



Abbreviations

AHU	AIR HANDLING UNIT
EF	EXTRACT FAN
FCU	FAN COIL UNIT
FD	FIRE DAMPER
MCD	MOTORIZED CONTROL DAMPER
VCD	VOLUME CONTROL DAMPER
SG	SUPPLY GRILLE
EG	EXTRACT GRILLE
TG	TRANSFER GRILLE
OSG	OUTDOOR SUPPLY GRILLE
OES	OUTDOOR EXTRACT GRILLE
CBM	CHILLED BEAM
ATT	ATTENUATOR
HSD	MEASURING DEVICE

H/L	HIGH LEVEL
L/L	LOW LEVEL
F/B	FROM BELOW
T/B	TO BELOW
T/A	TO ABOVE
F/A	FROM ABOVE
SU / SD	SET UP / SET DOWN

Vent Legend

—	Fresh Air Intake
—	Exhaust Air
—	Supply Air
—	Return Air

- Notes**
- If in doubt, ask the Project Lead.
 - Do not scale this drawing.
 - All dimensions are in millimetres unless stated otherwise.
 - This drawing is to be read in conjunction with all other relevant drawings and specifications.
 - All Proprietary items to be installed in strict compliance with manufacturers instructions and recommendations.
- Ventilation Notes**
- The ventilation ductwork installation shall comply with the Mechanical Specification and all relevant legislation.
 - All ductwork exceeding 1:4 ratio (depth:width) will require splitters.
 - Location of access door in ductwork to comply with DW144 Table 20 (page 92) and TR19 Table 3 (page13). As a minimum to be provided adjacent all fire dampers, volume control dampers and heater batteries, either side of bends and at maximum 12m intervals on ductwork runs.
 - All ductwork to be identified in accordance with BS 1710.
 - All supply & return air ductwork running in risers, ceiling voids and plant spaces will be insulated with the exception of extract ductwork from which heat is not recovered and supply ductwork carrying tempered air in open spaces it is serving and associated return air ductwork will not be insulated.
 - All louvres will be provided with bird mesh. Access panels provided to be installed in connecting ductwork to allow cleaning.
 - Flexible connections to be provided on either side of each fan.
 - All supply diffusers and extract grilles are to be supplied with side entry plenums.
 - Final connections to diffusers/grilles are to be flexible and to be a maximum 1000mm in length.
 - All ductwork to be manufactured, installed, tested and commissioned in compliance with BESA DW144, DW143, DW172 and CIBSE commissioning codes.
 - Refer to the appropriate electrical layout drawing for location of sensors and switches.
 - Please refer to Window schedule for louvre location unless otherwise stated.

Construction Design and Management Regulations 2015

The Contractors attention is drawn to the abnormal risks identified below, annotated on the drawing and explained in the associated design risk registers.

Legend

- ⊘ You Must Not Do
- ⚠ Hazard or Danger
- ! You Must Do
- ! Caution

Abnormal Risks Identified:

- Asbestos may be present.
- Existing live services may be present.

1 Ventilation - Level B1 - Sheet 1
1:50

PO1	RIBA Stage 3 Issue	EJ	16.04.2025
Rev	Amendments	Rev'd By	Date
Client			
GMIK Kirklees COUNCIL Queensberry			
Project			
The George Hotel Radisson RED Huddersfield			
Title			
Ventilation Services Layout Level B1 - Basement Level Sheet 1 of 1			
Drawing Number (Project, Originator, Volume, Level, Type, Role & Sheet No.)			
L054 - WAL - 57 - BA-B1-D-M-57001			
Internal Project Reference			
230087			
Suitability / Suitable For			
S4 - Suitable for Stage Approval			
Scale			
As indicated @ A0			
Created			
31.03.25			
Revision			
P01			
Project Lead			
LM			
Drawn			
DF			
Checked			
EJ			
Reviewed			
JN			
Approved			
LM			
For Issue			

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