

1 Ventilation - Level 04 - Sheet 2
1 : 50

FOR CONTINUATION REFER TO DRAWING
L054-WAL-57-B1-04-D-M-5711

Abbreviations

AHU	AIR HANDLING UNIT
EF	EXTRACT FAN
FCU	FAN COIL UNIT
FD	FIRE DAMPER
MCD	MOTORISED CONTROL DAMPER
VCD	VOLUME CONTROL DAMPER
SG	SUPPLY GRILLE
EG	EXTRACT GRILLE
TG	TRANSFER GRILLE
OSG	OUTDOOR SUPPLY GRILLE
OEG	OUTDOOR EXTRACT GRILLE
CBM	CHILLED BEAM
ATT	ATTENUATOR
MSD	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

1. If in doubt, ask the Project Lead.
2. Do not scale this drawing.
3. All dimensions are in millimetres unless stated otherwise.
4. This drawing is to be read in conjunction with all other relevant drawings and specifications.
5. All Proprietary items to be installed in strict compliance with manufacturers instructions and recommendations.

Ventilation Notes

1. The ventilation ductwork installation shall comply with the Mechanical Specification and all relevant legislation.
2. All ductwork exceeding 1:4 ratio (depth:width) will require splitters
3. Location of access door in ductwork to comply with DW/144 Table 20 (page 92) and TR/19 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.
4. All ductwork to be identified in accordance with BS 1710
5. 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.
6. All louvres will be provided with bird mesh. Access panels provided to be installed in connecting ductwork to allow cleaning.
7. Flexible connections to be provided on either side of each fan.
8. All supply diffusers and extract grilles are to be supplied with side entry plenums.
9. Final connections to diffusers/grilles are to be flexible and to be a maximum 1000mm in length
10. All ductwork to be manufactured, installed, tested and commissioned in compliance with BESA DW144, DW143, DW172 and CIBSE commissioning codes.
11. Refer to the appropriate electrical layout drawing for location of sensors and switches.
12. 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:
1. Asbestos may be present.
2. Existing live services may be present.

Rev	Amendments	By	Date
P01	RIBA Stage 3 Issue	EJ	16.04.2025

Client
GMI Construction Group PLC · Kirklees Council · Queensberry

Project
The George Hotel
Radisson RED
Huddersfield

Title
Ventilation Services Layout
Level 04 - Fourth Floor
Sheet 2 of 2

Drawing Number (Project, Originator, Volume, Level, Type, Role & Sheet No.)
L054 - WAL - 57 - 01-04-D-M-57012

Internal Project Reference
230087

Suitability | Suitable For
S4 - Suitable for Stage Approval

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Waldeck
Digital Strategy Consultancy Solutions
www.waldeckconsulting.com
Offices and Projects UK wide
AMP Technology Park
Brunel Way
Sheffield
S60 5WG
01142 994 077

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