





SAFETY, HEALTH & ENVIRONMENTAL INFORMATION

For details of site wide and general risks to be read in conjunction with these notes, refer to the following documents:

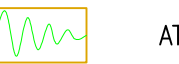
In addition to the hazards/risks normally associated with the types of work detailed on this drawing, note the following:
Construction and Manufacture

Maintenance, Cleaning and Operation

Decommissioning and Demolition

It is assumed that all work associated with this drawing will be carried out by competent operatives working, where appropriate, to an approved method statement.

LEGEND



ATTENUATOR



EXTRACT GRILLE



SUPPLY GRILLE



FLOOR GRILLE



FIRE DAMPER



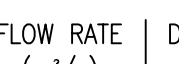
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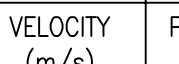
VOLUME CONTROL DAMPER



HEATER BATTERY



EXTRACT FAN



FLOW RATE
(m³/s)



DUCT SIZE
(mm)



VELOCITY
(m/s)



PRESSURE
(Pa/m)

- NOTES
1.

SUPPLY & GENERAL EXTRACT DUCTWORK WILL BE INSTALLED IN ACCORDANCE WITH DW144.
2.

DUCTWORK ACCESS HATCHES WILL BE PROVIDED FOR INSPECTION/SERVICING & CLEANING IN ACCORDANCE WITH TR19, TABLE 3, BY THE DUCTWORK CONTRACTOR ONLY
3.

FINAL CONNECTIONS TO GRILLES MAY BE FLEXIBLE UP TO MAXIMUM LENGTH OF 500mm. FLEXIBLE DUCTWORK ON SUPPLY DUCTWORK SHALL BE PRE-INSULATED
4.

ALL GRILLES SHALL HAVE A POWDER COATED FINISH TO A STANDARD MANUFACTURERS COLOUR TO BE AGREED WITH THE ARCHITECT.
5.

FIRE DAMPERS WITH ACCESS DOORS SHALL BE PROVIDED WHERE DUCTWORK PASSES THROUGH FIRE RATED CONSTRUCTION. REFER TO ARCHITECTS FIRE STRATEGY DRAWING FOR DETAILS.
6.

ALL VENTILATION SYSTEMS SHALL BE TESTED IN ACCORDANCE WITH CIBSE COMMISSIONING CODE A.
7.

INTERNAL DIAMETER OF THE FLEXIBLE DUCTWORK SHOULD BE EQUAL TO THE EXTERNAL DIAMETER OF THE RIGID DUCTWORK.
8.

ALL SUPPLY DUCTWORK SHALL BE INSULATED IN ACCORDANCE WITH BS 5422.
9.

EXTRACT AIR BELLMOUTHS TO INCLUDE WIRE MESH TO PREVENT DEBRIS ENTERING SYSTEM.
10.

DUCTWORK TO BE INSTALLED WITHIN 500mm OF FIRE PARTITIONS.
11.

MULTI-BLADE VCD'S TO BE USED ON DUCTWORK 300mm AND ABOVE
12.

DUCTWORK TO BE INSTALLED IN LINE WITH DW144



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Client
Manchester Metropolitan University

Contract
MMU Science & Engineering
99 Oxford RD
Manchester M1 7EL

Design Manager
NGB

Checked By
J Bejsluk

Drawn By
R Paterson

Title
Ventilation Schematic
AHU-01/02
Dining Area/Seminar Rooms

Issue Date
06/07/22

Scale
A1 - Approved & Accepted
NTS

Sheet Size
A0

Rev
C01

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