

VENTILATION SCHEDULE	VU-2
MANUFACTURER	NJAJRE
MODEL	MRXBOX-ECO5 w/ Acoustic Enclosure

EXTRACT VENTILATION RATES				Flat 2
ROOM	TRICKLE (l/s)	BOOST 1 (l/s)	PURGE (l/s)	
KITCHEN	10	13	74	
BATHROOM	4	8	32	
TOTAL	14	21	106	
RATES TO BUILDING REGS DOCUMENT F TABLES 5.1a & 5.1b				

SUPPLY VENTILATION RATES				Flat 2
ROOM	TRICKLE (l/s)	BOOST 1 (l/s)	PURGE (l/s)	
LIVING ROOM	11	14	79	
BEDROOM	5	9	37	
TOTAL	16	23	116	
RATES TO BUILDING REGS DOCUMENT F TABLES 5.1a & 5.1b				

VENTILATION SCHEDULE	VU-1
MANUFACTURER	NJAJRE
MODEL	MRXBOX-ECO2 w/ Acoustic Enclosure

EXTRACT VENTILATION RATES				Flat 1
ROOM	TRICKLE (l/s)	BOOST 1 (l/s)	BOOST 2 (l/s)	
KITCHEN	11	13	26	
BATHROOM	7	8	20	
TOTAL	18	21	46	
RATES TO BUILDING REGS DOCUMENT F TABLES 5.1a & 5.1b				

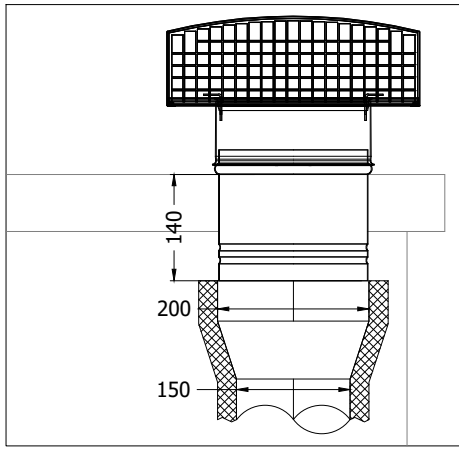
SUPPLY VENTILATION RATES				Flat 1
ROOM	TRICKLE (l/s)	BOOST 1 (l/s)	BOOST 2 (l/s)	
LIVING ROOM	11	13	26	
BEDROOM 1	5	5	14	
BEDROOM 2	4	5	10	
TOTAL	20	23	50	
RATES TO BUILDING REGS DOCUMENT F TABLES 5.1a & 5.1b				

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- GENERAL SERVICES NOTES**
- Electrical services shown for coordination purposes only. Refer to electrical drawings for electrical services information.
 - Before commencing work on site, please read Design Risk Management Information.
 - All manufacturer's instructions to be reviewed prior to installation.
 - This drawing is to be read in conjunction with all schematics, details and specification documents.
 - Dimensioned setting out details to be confirmed by architect.
 - All discrepancies are to be queried with WMP before works commence.

- GENERAL VENTILATION NOTES**
- Where non-fire rated ductwork passes through a fire compartment element (such as protected hallway) the duct is to be fitted with a fire collar with a rating to match the wall being penetrated. The fire collar must be installed in line with manufacturer's requirements.
 - Doors within dwellings need to be cut short by 10mm to allow air to pass under the door and to satisfy Part F1 of the Building Regulations.
 - Where flexible duct work must be used, it must be installed at 90% of its maximum length, be no longer than 300mm in each instance and follow a slow radius bend.
 - Where ductwork passes through an unheated space it shall be insulated.
 - Where ducts need to drop/rise within the ceiling void, this must be done in a manner that does not form low points where condense can collect.
 - Duct work shall be insulated wherever there is a risk of condensation forming.
 - Where duct work is insulated, it shall be with 25mm of 0.04w/mk or equivalent.
 - Ventilation unit to be installed with anti-vibration mounts.
 - Where flexible duct work is used it is to be tough PVC coated glass cloth fabric (or vinyl) supported by encapsulated high tensile steal wire helix. Traditional domestic PVC flexible duct work is acceptable.

DIFFUSER DIAMETER (mm)	DIFFUSER TYPE	MANUFACTURER	PRODUCT CODE
125	Supply	Brooke Air	KE125
	Extract	Brooke Air	KK125
150	Supply	Brooke Air	KE150
	Extract	Brooke Air	KK150
150	Supply	Brooke Air	MRA 6
	Extract	Brooke Air	MRA 6



Detail A: Ø200mm Roof Terminal.

Intake from above requires roof terminal Ø200mm (Refer to Detail A) - Airflow 90001352 / 90001353

Controls:
VU-1: MVHR Boost Controller is to be placed in the kitchen to allow manual boost activation. A PIR sensor is to be installed in the bathroom to enable automatic Boost mode.
VU-2: MVHR Boost Controller is to be placed in the kitchen to allow for manual boost/purge activation. A PIR sensor is to be installed in the bathroom to enable automatic Boost mode

VCDs and Supply/Extract Valves used for Commissioning the Flow Rates

C5	06.10.2025	Revised to comments	JH	AJ
C4	26.09.2025	Revised to comments	JH	AJ
C3	04.09.2025	Revised to positively charge ventilation	AJ	DS
C2	09.05.2025	Revised to comments	AJ	DS
C1	25.09.2024	Construction issue.	JC	DS
Rev.	Issue Date	Details of Revision	Drawn	Ch'kd.

Client:
Kalvinder Sandher

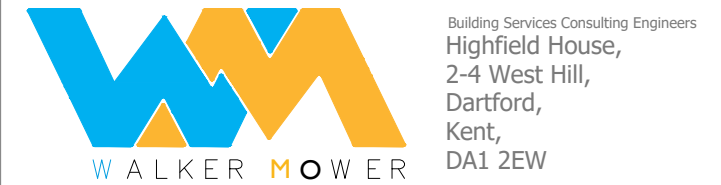
Project:
25-26 Milton Road

Title:
Mechanical Services
First Floor
Ventilation Layout

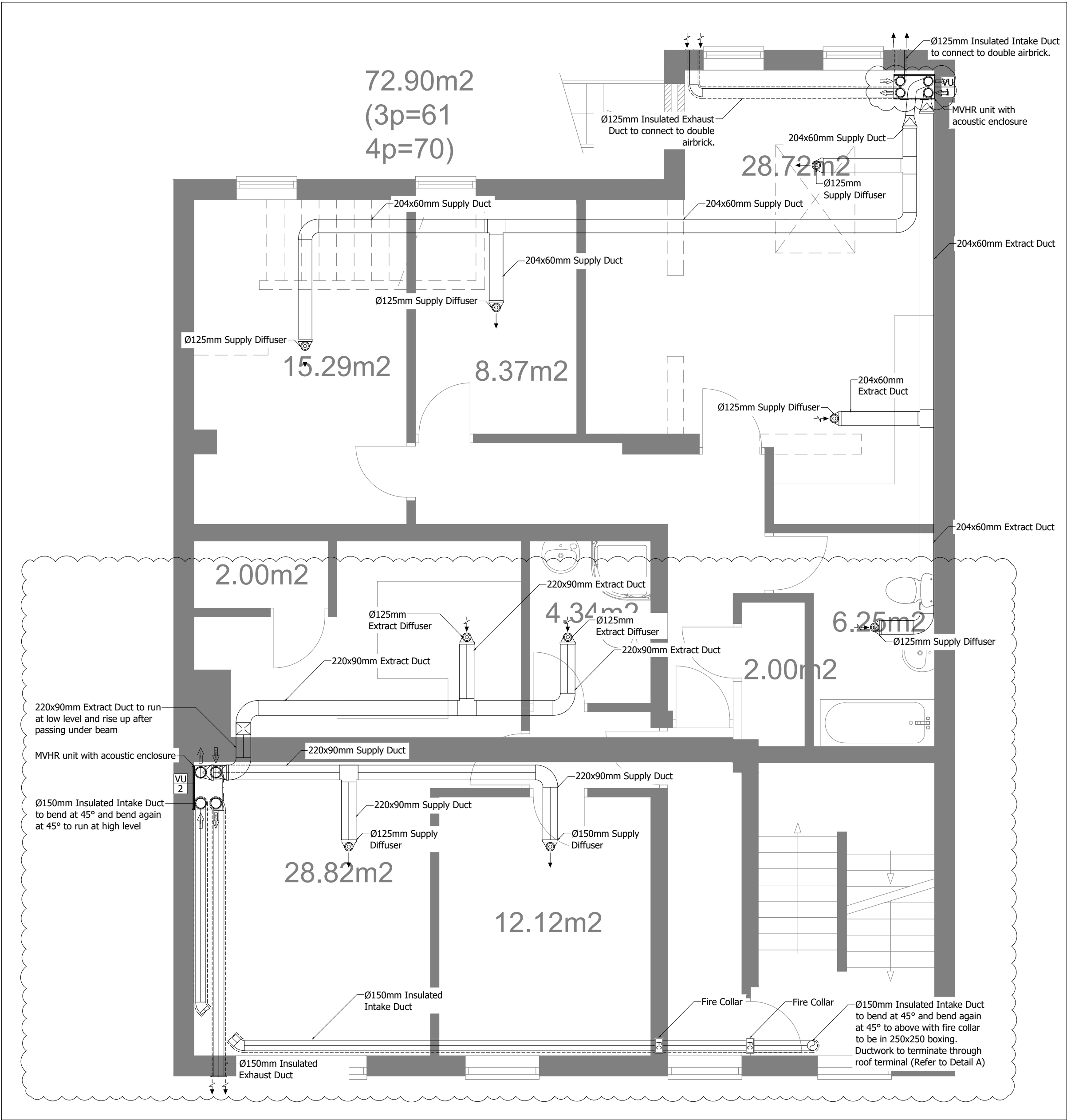
Drawn:	Checked:	Scale:	Date:
JC	DS	1:50 Original Size: A1	25.09.2024

Drawing:
WMP.2721.DWG.X.01.M.2000

Revision:
C5



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VENTILATION LAYOUT:
1:50 SCALE