

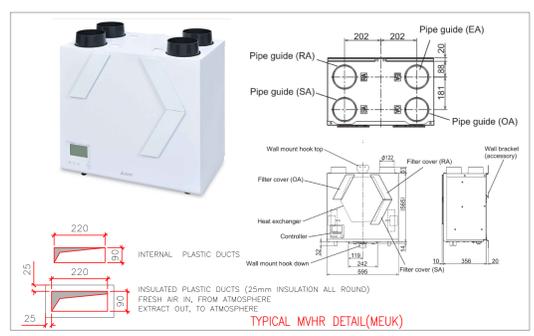
**Sizes**

Subframe	Ø 100	Ø 125
B	100	125
A	120	155
H	28	29

VR/V	Ø 100	Ø 125
B	137	181
S	74	97
B	75	100
H	47	49

- VENTILATION INSULATION NOTES**
- ALL DUCTWORK FROM THE EXTRACT FAN UNITS WITHIN THE FLATS SHALL IN GENERAL BE FLAT DUCT. USE FLAT DUCTING COMPLETE WITH 90-DEG SPOUT CONNECTOR, BRIDGE CLIPPING STRIPS, AIRBRICK ADAPTOR AND AIRBRICK. COLOUR TO BE CONFIRMED BY THE ARCHITECT. CONNECTIONS TO FANS WILL BE BY FLEXIBLE DUCTWORK WITH A MINIMUM LENGTH OF 300MM. ALL EXHAUST/AIR INTAKE EXTRACTORS IN DWELLINGS WITH 2 OR MORE BEDROOMS SHALL BE TERMINATED TO EXHAUST AIR BRICKS. A HIGH PERFORMANCE SINGLE BRICK CAN BE USED FOR 2-BEDROOM FLATS.
  - THE DUCTS SHALL BE 200MM BY 90MM DEEP. WHERE SERVICES CROSS OVER A SMALLER DUCT CAN BE USED SO LONG AS THE VELOCITY IN THE RUN OF DUCT IS NOT INCREASED BEYOND THE CRITERIA BELOW:  
BRANCH CONNECTIONS TO AIR VALVES 1.25M/S  
DISTRIBUTION IN CEILING VOIDS 3.0M/S  
FINAL CONNECTION TO AIR VALVES 4.0M/S
  - AT EXTERNAL WALL INSTALL SYSTEM HIGH FLOW AIRBRICK. COLOUR BY ARCHITECT.
  - GRILLES TO BE PLASTIC OR OTHER MATERIAL COLOUR TO BE CONFIRMED BY ARCHITECT.
  - RESIDENTIAL FLAT DUCT WORK SYSTEM IS INSULATED THE ENTIRE LENGTH OF THE DUCT TO AND FROM THE MAIN UNIT. DUCTS CONNECT EXTERNALLY WITH 20mm FLOORBOARD DUCTWORK OR EQUAL AND APPROVED.
  - FOR ALL EXTRACT GRILLE POSITIONS SEE ARCHITECTS DRAWINGS.
  - FIRE BRICK OR FIRE DAMPER IS TO BE INSTALLED WHEREVER DUCTWORK PASSES THROUGH A FIRE RATED PARTITION (GENERALLY WALLS). IN ADDITION TO THIS AND DUCT WORK TERMINATED TO THE EXTERNAL WALL SHALL BE FIRE BRICKED OFF WITH A FIRE DAMPER IN PLACE. THIS SHOULD BE CONFIRMED ON SITE WITH BUILDING CONTROL, WITH REFERENCE TO THE ARCHITECTS' FIRE STRATEGY SERIES OF DRAWINGS. THE COMPLETE INSTALLATION SHOULD COMPLY WITH THE DOMESTIC VENTILATION COMPLIANCE GUIDE.
  - THE RESIDENTIAL VENTILATION INSTALLATION SHALL BE MAINTAINING SUPPLYING AIR TO ALL BEDROOMS AND LIVING ROOMS AND EXTRACTING FROM ALL BATHROOMS, KITCHENS AND UTILITY ROOMS. THESE WILL BE PROVIDED TO EACH DWELLING TO MEET THE REQUIREMENTS OF APPROVED DOCUMENTS PART F AND PART L OF THE BUILDING REGULATIONS.
  - DWELLINGS WITH MAHR
    - SUPPLY AND EXTRACT VENTILATION TO BE PROVIDED TO THE MINIMUM AIR FLOW RATES AS STATED BY APPROVED DOCUMENT PART F OF THE BUILDING REGULATIONS.
    - A MECHANICAL VENTILATION AND HEAT RECOVERY (MVHR) UNIT WILL BE LOCATED IN THE DWELLINGS, AS SHOWN IN MV DRAWINGS. THE INSTALLATION MUST CONSIDER THE MANUFACTURERS' REQUIREMENTS FOR MAINTENANCE.
    - SUPPLY VENTILATION WILL BE PROVIDED TO THE LIVING/KITCHEN/DINING ROOM AND THE BEDROOMS.
    - KITCHENS, W.C. BATHROOMS AND UTILITY CUPBOARDS SHALL HAVE EXTRACT VENTILATION ONLY. THE EXHAUST AIR WILL BE DUCTED TO OUTSIDE.
    - DUCTWORK SHALL TERMINATE WITH CEILING MOUNTED GRILLES WITHIN THE FLATS, AND AT EXTERNAL LOUNGES OR AIR BRICKS WHEN AT THE EXTERNAL WALL.
    - A COOKER RECIRCULATION HOOD ABOVE THE COOKER SHALL BE INSTALLED TO REMOVE COOKING COLOURS, BY OTHERS.
  - PROVISION OF VENTILATION TO DWELLINGS SHOULD COMPLY WITH APPROVED DOCUMENT F 2010 AND AIR VOLUMES ARE AS FOLLOWS:  
MINIMUM LOW RATE TO BE 0.3 L/SEC PER SQ FLOOR AREA OR DETERMINED FROM DWELLING SIZE AS FOLLOWS, WHICHEVER IS THE GREATER:  
 • 1 BED UNITS 19 L/SEC  
 • 2 BED UNITS 25 L/SEC  
 • 3 BED UNITS 31 L/SEC  
 MINIMUM HIGH RATE TO BE DETERMINED FROM TOTALING FLOW RATES FROM SET ROOMS:  
 • KITCHENS 13 L/SEC  
 • UTILITIES 8 L/SEC  
 • BATHROOMS 8 L/SEC  
 • TOILETS 6 L/SEC  
 • UTILITY CUPBOARDS 8 L/SEC



**NOTES:**

Rev	Date	Description	Drawn By	Check
T1	27-04-2025	TENDER ISSUE	GS	SK

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**PROJECT NAME:**  
152-154 UXBRIDGE ROAD, HAYES

**Title:**  
FIRST FLOOR VENTILATION LAYOUT

Discipline	Status
VENTILATION	TENDER
Designed By	Checked By
GS	SK
Approved By	Approved By
SK	SK
Project No:	Date
20078	27-04-2025
Scale	1:75 (H A0)
Drawing No:	Revision
20078-M-57-01	T1