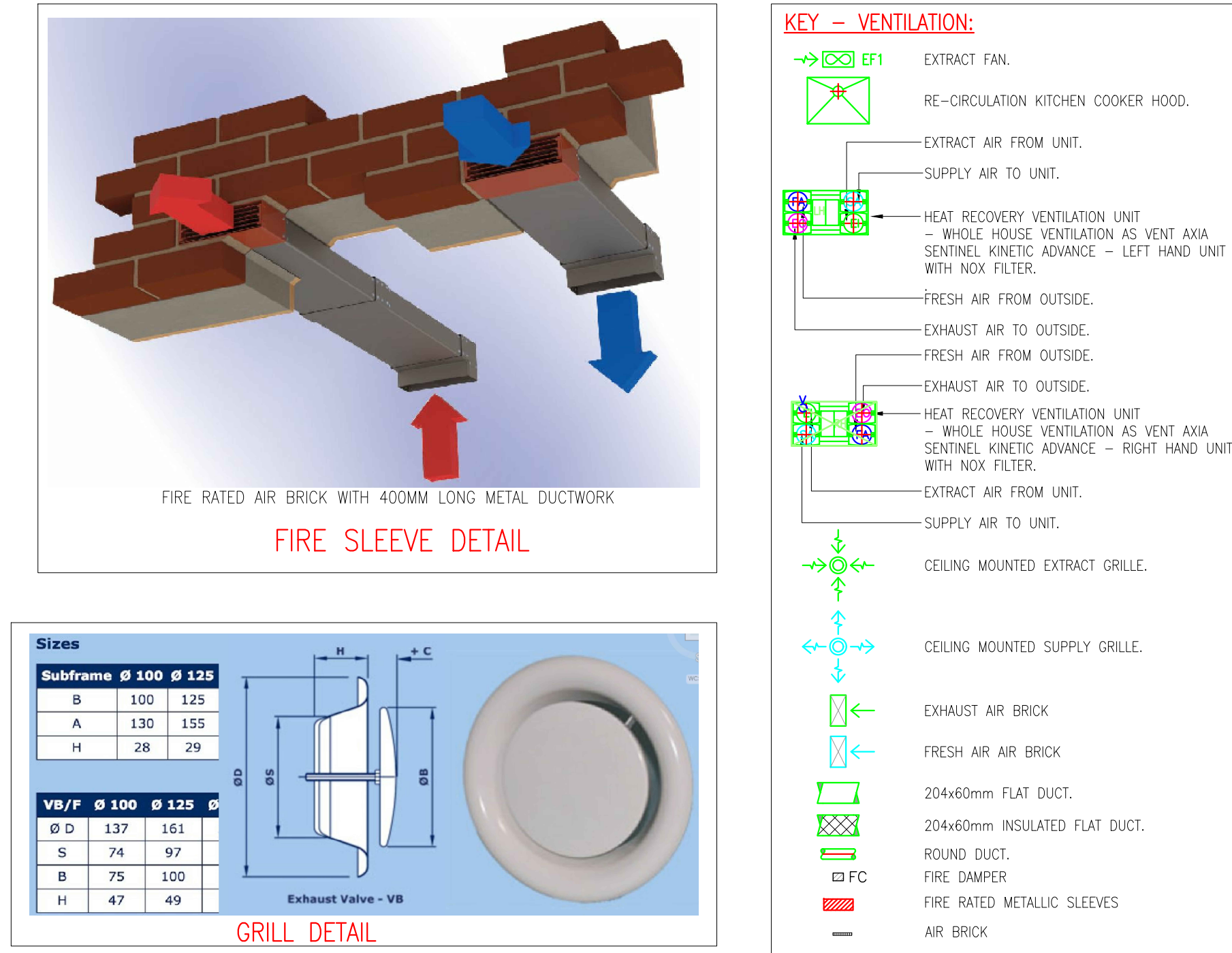
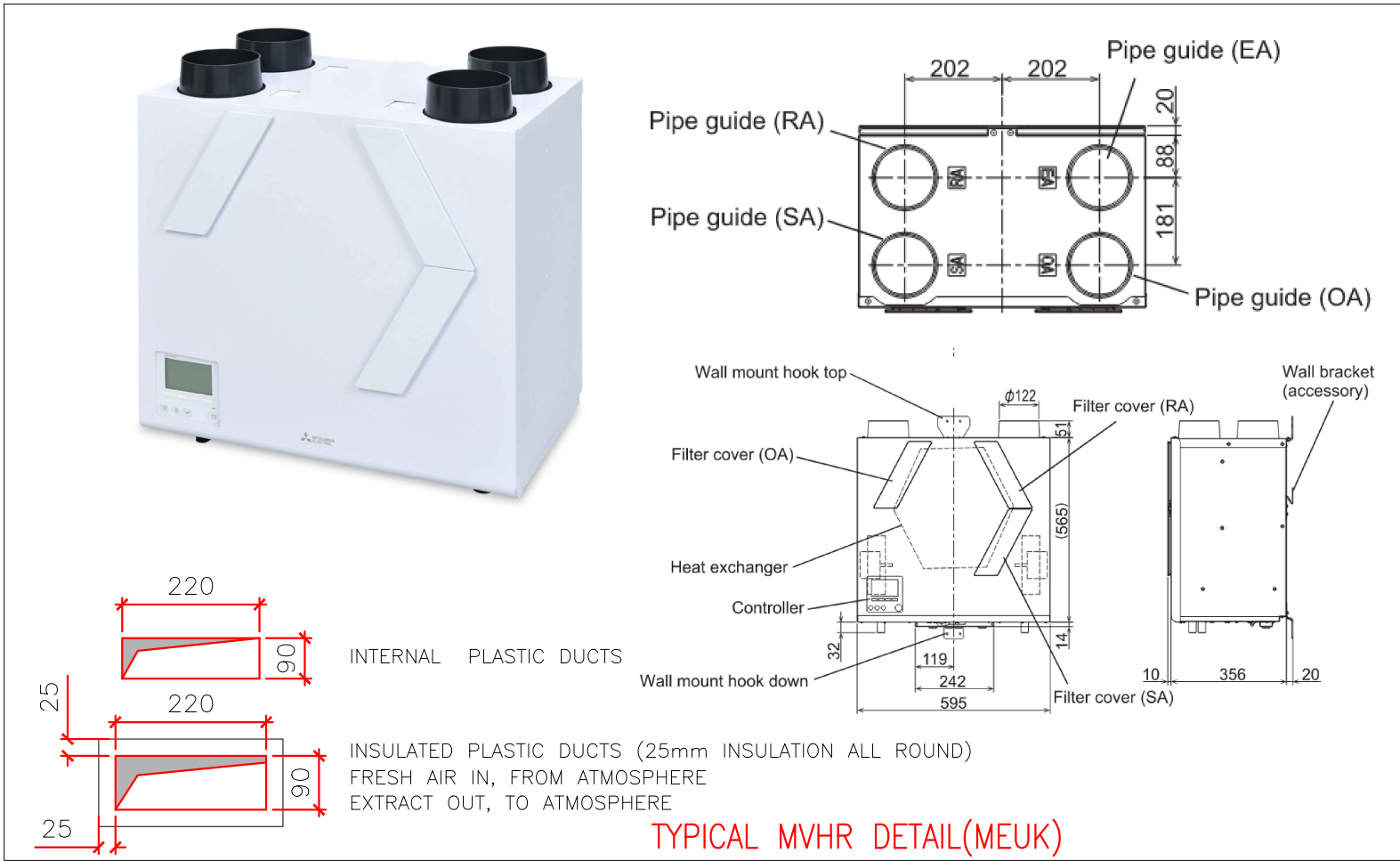




- VENTILATION INSTALLATION NOTES**
- ALL DUCTWORK FROM THE EXTRACT FAN UNITS, WITHIN THE FLATS, SHALL IN GENERAL BE FLAT DUCT. USE FLAT DUCTING COMPLETE WITH 90-DEG SPIGOT CONNECTOR, BENDS, GRILLES, MOUNTING STRIPS, AIRBRICK ADAPTOR AND AIRBRICK COLOUR TO BE CONFIRMED BY THE ARCHITECT. CONNECTIONS TO FANS WILL BE BY FLEXIBLE DUCTWORK WITH A MAXIMUM LENGTH OF 300MM. ALL EXHAUST/AIR INTAKE DUCTWORK IN DWELLINGS WITH 2 OR MORE BEDROOMS SHALL BE TERMINATED AT DOUBLE AIR BRICKS. A HIGH PERFORMANCE SINGLE BRICK CAN BE USED FOR 2-BEDROOM FLATS.
 - THE DUCTS SHALL BE 220MM BY 90MM DEEP. WHERE SERVICES CROSS OVER A SHALLOWER 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 VENTILATION UNITS 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 ROOMBOX DUCTWORK OR EQUAL AND APPROVED.
 - FOR ALL EXTRACT GRILLE POSITIONS SEE ARCHITECTS DRAWINGS.
 - FIRE MASP OR FIRE DAMPER IS TO BE INSTALLED WHEREVER DUCTWORK PASSES THROUGH A FIRE RATED PARTITION (GENERALLY HALLWAYS). IN ADDITION TO THIS AND DUCT WORK TERMINATED TO THE EXTERNAL WALL SHALL BE FIRE STOPPED OR HAVE 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 AND 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 (MAHR) UNIT WILL BE MOUNTED IN THE DWELLINGS, AS SHOWN IN MAH 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, HCs, 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 LEAVES OR AIR BRICKS MAIN AT THE EXTERNAL WALL.
 - A COOKER RECIRCULATION HOOD ABOVE THE COOKER SHALL BE INSTALLED TO REMOVE COOKING ODOURS, 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 M² 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/SECMINIMUM HIGH RATE TO BE DETERMINED FROM TOTALING FLOW RATES FROM WET ROOMS:
 - KITCHENS 13 L/SEC
 - UTILITIES 8 L/SEC
 - BATHROOMS 8 L/SEC
 - TOILETS 6 L/SEC
 - UTILITY CUPBOARDS 8 L/SEC



KEY PLAN

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PROJECT NAME

152-154 UXBRIDGE ROAD, HAYES

Title

**GROUND FLOOR
VENTILATION LAYOUT**

Discipline

VENTILATION

Status

TENDER

Designed By

GS

Checked By

SK

Approved By

SK

Project No.

27078

Date

27-04-2025

Scale

1:75 (at A0)

Drawing No.

20078-M-ST-00

Revision

T1

0 10 20 30 40 50 60 70 80 90 100mm