

VENTILATION NOTES

- UNLESS DENOTED OTHERWISE, ALL INTERNAL DUCTWORK TO BE RIGID PVC DUCTWORK
- FIRE WRAPS TO BE INSTALLED IN CONJUNCTION WITH THE FIRE STRATEGY
- ALL EXTERNAL VENTILATION TERMINATIONS TO HAVE A MAX FACE VELOCITY OF 3.5M/S, RAL COLOUR TO BE CONFIRMED BY THE ARCHITECTURAL TEAM
- THE FACADE AIR BRICK TERMINATIONS ARE TO PROVIDE A MINIMUM OF 11,000MM² FREE AREA
- ALL DUCTWORK PASSING THROUGH EXTERNAL CLADDING SHALL HAVE A SUITABLE FIRE WRAP INSTALLED TO ENSURE THE INTEGRITY OF THE CAVITY BARRIER IS NOT ADVERSELY AFFECTED BY THE INSTALLATION OF THE DUCT OR ITS TERMINATION
- COOKER EXTRACT TO BE VIA RE-CIRCULATION HOODS
- FINAL CONNECTIONS BETWEEN SOLID DUCTWORK & AIR VALVES TO BE VIA FLEXIBLE DUCTWORK TO ALLOW ON SITE FLEXIBILITY & TOLERANCE
- ALL SERVICES THAT PASS THROUGH A FIRE COMPARTMENT SHALL BE SEALED SO THAT THE INTEGRITY OF THE FIRE COMPARTMENT IS NOT DIMINISHED IN ANY WAY, BY USING A PROPRIETY SYSTEM/SEALANT THAT MATCHES THE FIRE RATING OF THE COMPARTMENT

AIR VALVE POSITIONS TO BE AS CLOSE AS PRACTICALLY POSSIBLE TO ARCHITECTS REFLECTED CEILING PLAN ARRANGEMENTS. FINAL POSITIONS SUBJECT TO ONSITE CONSTRAINTS.

MVHR TO BE INSTALLED WITH A HIGH GRADE AIR FILTER
EXTRACT FLOW RATES WITHIN BEDROOMS HAVE BEEN CALCULATED AT 85 % OF SUPPLY RATES TO MAINTAIN POSITIVE AIR PRESSURE

INTAKE & EXHAUST DUCT TO BE INSULATED WITH 25mm DUCT WRAP. AN ASSUMPTION HAS BEEN MADE TO FIRE COMPARTMENTS, ANYWHERE DUCTWORK PASSES THROUGH A FIRE COMPARTMENT WALL A DUCT WRAP MUST BE INSTALLED

ALL DUCTWORK TO BE ROUTED VIA THE CEILING VOID

LARGE AIR VOLUMES TO BEDROOMS ARE REQUIRED TO OVERCOME OVERHEATING RISK AS DETAILED WITHIN THE CIBSE TM59 DOCUMENT, AS REQUIRED BY APPROVED DOCUMENT "O" OF THE BUILDING REGULATIONS

- MVHR TO HAVE TWO METHODS OF OPERATION:
- STANDARD TRICKLE RATE WITH THE BOOST PROVIDED BY THE STANDARD 2ND POLE WITHIN A LIGHT/GRID SWITCH.
 - OVERHEATING BOOST WITH THE UNIT SET TO THE HIGH FLOW RATE REQUIRED TO OFFSET THE OVERHEATING, USING A DEDICATED MANUAL WALL SWITCH

GENERAL NOTES:

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- FOR SETTING OUT INFORMATION REFER TO ARCHITECTS DETAILS WHERE APPROPRIATE.
- PLEASE CONTACT MNE BUILDING SERVICES LTD IN THE EVENT OF DISCREPANCIES ON DRAWING.

LEGEND:

- MVHR UNIT
- MEV UNIT
- ACCESS HATCH
- EXTRACT CEILING GRILLE
- SUPPLY CEILING GRILLE
- FLAT EXTRACT DUCT
- FLAT SUPPLY DUCT
- FLAT EXTRACT DUCT (RISE / DROP)
- FLAT SUPPLY DUCT (RISE / DROP)
- EXHAUST TERMINATION
- SUPPLY TERMINATION
- FW FIRE WRAP
- VCD VOLUME CONTROL DAMPER

1500 DUCTWORK RISING FROM BELOW TO SERVE BEDROOM 2. FIRE WRAP TO BE INSTALLED IN LINE WITH THE FLOOR WHERE THE DUCT RISES FROM BELOW

DOMUS 150mm AIR VALVE TO BE LOCATED ON THE SIDE OF THE WALL AT HIGH LEVEL

DOMUS 150mm AIR VALVE TO BE LOCATED ON THE SIDE OF THE WALL AT HIGH LEVEL

1500 DUCTWORK RISING FROM BELOW TO SERVE BEDROOM 2 & TERMINATE ON THE SIDE OF THE WALL AT HIGHEST POINT. FIRE WRAP TO BE INSTALLED IN LINE WITH THE FLOOR WHERE THE DUCT RISES FROM BELOW

FALSE WALL TO BE INSTALLED TO CONCEAL THE DUCTWORK

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PRELIMINARY

CLIENT

MR RAJWINDER SINGH

PROJECT NAME

2 MILTON ROAD
GRAVESEND

DRAWING TITLE

VENTILATION SERVICES
LOFT PLAN LAYOUT

DRAWING REFERENCE		REV:
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