

VENTILATION NOTES:

- THIS DRAWING SHALL BE READ IN CONJUNCTION WITH THE M&E SPECIFICATIONS, SCHEDULES AND ALL OTHER DRAWINGS.
- THE CONTRACTOR IS RESPONSIBLE FOR CO-ORDINATION OF ALL MECHANICAL SERVICES WITH ALL OTHER SERVICES AND THE BUILDING STRUCTURE.
- ALL DUCTWORK ABOVE CEILINGS TO BE OF GALVANISED STEEL CONSTRUCTION.
- THE CONTRACTOR IS RESPONSIBLE FOR FIRE-STOPPING OF ALL MECHANICAL SERVICES PENETRATIONS THROUGH FIRE COMPARTMENTS IN ACCORDANCE WITH THE MECHANICAL SPECIFICATION. THE CONTRACTOR SHALL PROVIDE FIRE DAMPERS, COMPLETE WITH BUILT-IN FRAMES FOR FIXING TO THE BUILDING STRUCTURE AS REQUIRED, IN ACCORDANCE WITH THE CURRENT ARCHITECTS FIRE STRATEGY DRAWINGS.
- FLEXIBLE VENTILATION DUCTWORK SHALL ONLY BE USED FOR THE FINAL CONNECTIONS TO THE GRILLES. ALL EXCESS FLEXIBLE DUCTWORK SHALL BE CUT BACK TO A MINIMUM OF 500MM WHEN MAKING FINAL CONNECTIONS.
- ALL DUCTWORK SHALL BE MANUFACTURED, INSTALLED, TESTED & COMMISSIONED IN STRICT ACCORDANCE WITH DW144, DW143, DW151, DW171, DW/TM2, DW/TM3, TR/17 & CIBSE COMMISSIONING CODES.
- ACCESS DOORS SHALL BE PROVIDED ADJACENT ALL FIRE DAMPERS, VOLUME CONTROL DAMPERS AND HEATER BATTERIES, EITHER SIDE OF AIR TURNS & AT LEAST 4M INTERVALS ON DUCT ROUTES.
- ALL BRANCH CONNECTIONS SHALL BE PROVIDED WITH VCDs TO FACILITATE BALANCING IN ACCORDANCE WITH ALL RELEVANT CIBSE CODES AND GOOD PRACTICES.
- ALL FANS AND VENTILATION UNITS SHALL BE INSTALLED WITHIN ACCESSIBLE LOCATIONS WITH DUE REGARD TO THE MANUFACTURER'S MAINTENANCE SPACE RECOMMENDATIONS.
- THESE DRAWINGS ARE TECHNICAL DESIGN DRAWINGS. FINAL SETTING OUT DIMENSIONS, FIXING BRACKETS, SUPPORTS ETC. ARE TO BE SHOWN ON THE CONTRACTORS INSTALLATION DRAWINGS.
- ALL DUCTWORK TO BE IDENTIFIED IN ACCORDANCE WITH BS1710.
- ALL SUPPLY AIR (AND EXTRACT WHERE ON A HEAT RECOVERY SYSTEM) DUCTWORK WITHIN RISERS AND PLANT SPACES AND CEILING VOIDS TO BE INSULATED. INTAKE AND EXHAUST DUCTWORK TO BE INSULATED AND VAPOUR SEALED AGAINST CONDENSATION WHERE LOCATED IN HEATED / INTERNAL SPACES.
- ALL LOUVRES AND ROOF COWLS SHALL BE FITTED WITH BIRD MESH AND INSECT SCREENS. ACCESS PANELS TO BE INSTALLED IN CONNECTING DUCTWORK TO ALLOW CLEANING. ALL LOUVRES SHALL BE SUITABLE FOR INTEGRATION INTO COMPOSITE ARCHITECTURAL PANELS - AS ARCHITECT'S SPECIFICATION. EXACT LOCATIONS OF AIRBRICKS/LOUVRES TO BE AGREED WITH ARCHITECT.
- THE CONTRACTOR SHALL PROVIDE ALL VENTILATION SYSTEM ATTENUATION AS REQUIRED IN ACCORDANCE WITH THE ACOUSTIC RECOMMENDATIONS.

ALL DIMENSIONS, LEVELS AND CLEARANCES TO BE CHECKED ON SITE PRIOR TO WORKS COMMENCING

THIS DRAWING SHOULD BE READ IN CONJUNCTION WITH ALL OTHER PROJECT RELATED DRAWINGS, SPECIFICATIONS AND DOCUMENTS AS PART OF A SINGLE PROJECT PACKAGE

ANY DISCREPANCY BETWEEN THIS DRAWING, OTHER DRAWINGS FORMING PART OF THIS CONTRACT, OR THE SPECIFICATION / BILLS OF QUANTITIES MUST BE CLARIFIED BEFORE COMMENCEMENT OF ANY WORK OR ORDERING OF ANY MATERIALS.

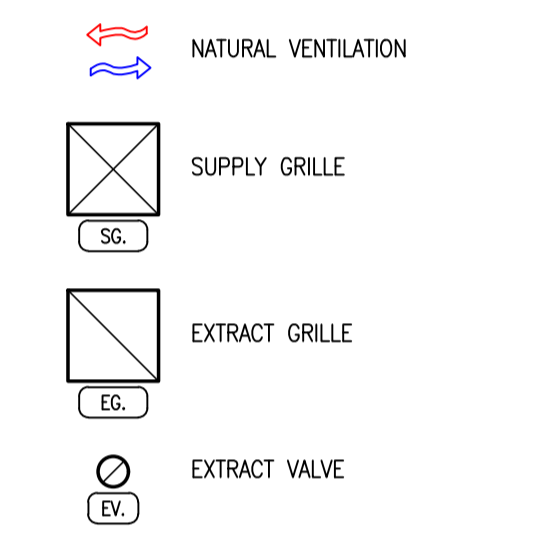
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NOTES

- ALL EXISTING DUCTWORK TO BE CLEANED, TESTED AND RECOMMISSIONED BY THE CONTRACTOR.
- ALL POSITIONS OF GRILLES SHOWN ARE INDICATIVE & SUBJECT TO VALIDATION BY THE CONTRACTOR.
- PROPOSED NEW GRILLES ARE TO BE POSITIONED IN THE SAME LOCATION AS EXISTING.
- CONTRACTOR TO CHECK DUCTWORK INSTALLATION AND DUCTWORK SIZES REQUIRED FOR ALL NEW CEILING GRILLES AND VALVES.
- CONTRACTOR TO PROVIDE AND INSTALL SUITABLE SIZED PLENUM BOXES.

LEGEND:



Rev	Date	MR	SH	AM	Tender Issue
C01	02.10.20	MR	SH	AM	Tender Issue

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Client:

**LFB**

LONDON FIRE BRIGADE

Project Title:

LFB - Euston Fire Station - Heating Replacement

Drawing Title:

Mechanical Services  
Third Floor  
Proposed Ventilation Layout

Status:

TENDER ISSUE

Drawn By:	Designed By:	Checked By:	Approved By:
BD	MR	SH	AM
Original Issue Date:	Scale @ A1:		
02/10/2020	1:50		

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			C01