

## **VENTILATION NOTES:**

STRUCTURE.

OF GALVANISED STEEL

STRATEGY DRAWINGS.

6. ALL DUCTWORK SHALL BE

DUCT ROUTES.

COMMISSIONED IN STRICT

5. FLEXIBLE VENTILATION DUCTWORK SHALL ONLY BE USED FOR THE FINAL

4. THE CONTRACTOR IS RESPONSIBLE FOR FIRE-STOPPING OF ALL

MECHANICAL SERVICES PENETRATIONS

THROUGH FIRE COMPARTMENTS IN

SPECIFICATION. THE CONTRACTOR SHALL PROVIDE FIRE DAMPERS,

ACCORDANCE WITH THE MECHANICAL

COMPLETE WITH BUILT-IN FRAMES FOR

FIXING TO THE BUILDING STRUCTURE

AS REQUIRED, IN ACCORDANCE WITH THE CURRENT ARCHITECTS FIRE

CONNECTIONS TO THE GRILLES. ALL

EXCESS FLEXIBLE DUCTWORK SHALL

BE CUT BACK TO A MINIMUM OF 500MM

MANUFACTURED, INSTALLED, TESTED &

ACCORDANCE WITH DW144, DW143, DW151, DW171, DW/TM2, DW/TM3, TR/17 & CIBSE COMMISSIONING

WHEN MAKING FINAL CONNECTIONS.

CONSTRUCTION.

- THIS DRAWING SHALL BE READ IN CONJUNCTION WITH THE M&E SPECIFICATIONS, SCHEDULES AND AL OTHER DRAWINGS.
- DRAWINGS FORMING PART OF THIS CONTRACT, OR THE SPECIFICATION / BILLS OF QUANTITIES MUST BE 2. THE CONTRACTOR IS RESPONSIBLE CLARIFIED BEFORE COMMENCEMENT OF ANY WORK OR ORDERING OF ANY MATERIALS. FOR CO-ORDINATION OF ALL MECHANICAL SERVICES WITH ALL PLEASE CONSULT THE AUTHOR OR PROJECT MANAGER OTHER SERVICES AND THE BUILDING
- SHOULD THE READER REQUIRE CLARIFICATION ON ANY PART OF THIS DRAWING. 3. ALL DUCTWORK ABOVE CEILINGS TO BE

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,

ANY DISCREPANCY BETWEEN THIS DRAWING, OTHER

SPECIFICATIONS AND DOCUMENTS AS PART OF A

SINGLE PROJECT PACKAGE.

THE COPYRIGHT OF THE DRAWING AND DESIGN IS THE PROPERTY OF THE COMPANY. THIS INFORMATION HAS BEEN ISSUED UNDER SPECIFIC TERMS FOR THIS PROJECT AND MAY ONLY BE USED AND REPRODUCED ACCORDINGLY.

- ALL EXISTING DUCTWORK TO BE CLEANED, TESTED AND RECOMMISSIONED BY THE CONTRACTOR.
- 2. ALL POSITIONS OF GRILLES SHOWN ARE INDICATIVE & SUBJECT TO VALIDATION BY THE CONTRACTOR.
- 3. PROPOSED NEW GRILLES ARE TO BE POSITIONED IN THE SAME LOCATION AS EXISTING.
- 4. CONTRACTOR TO CHECK DUCTWORK INSTALLATION AND DUCTWORK SIZES REQUIRED FOR ALL NEW CEILING
- GRILLES AND VALVES. 5. CONTRACTOR TO PROVIDE AND INSTALL SUITABLE SIZED PLENUM
- CODES. 7. ACCESS DOORS SHALL BE PROVIDED ADJACENT ALL FIRE DAMPERS, VOLUME LEGEND: CONTROL DAMPERS AND HEATER BATTERIES, EITHER SIDE OF AIR TURNS & AT LEAST 4M INTERVALS ON
- 8. ALL BRANCH CONNECTIONS SHALL BE PROVIDED WITH VCDS TO FACILITATE BALANCING IN ACCORDANCE WITH AL RELEVANT CIBSE CODES AND GOOD PRACTICES.
- 9. ALL FANS AND VENTILATION UNITS SHALL BE INSTALLED WITHIN ACCESSIBLE LOCATIONS WITH DUE REGARD TO THE MANUFACTURER'S MAINTENANCE SPACE RECOMMENDATIONS.
- 10. THESE DRAWINGS ARE TECHNICAL DESIGN DRAWINGS. FINAL SETTING OUT DIMENSIONS, FIXING BRACKETS, SUPPORTS ETC. ARE TO BE SHOWN ON THE CONTRACTORS INSTALLATION DRAWINGS.
- 11. ALL DUCTWORK TO BE IDENTIFIED IN ACCORDANCE WITH BS1710.
- 12. 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.
- 13. ALL LOUVRES AND ROOF COWLS SHALL
  BE FITTED WITH BIRD MESH AND
  Rev Date By Chk Apr Comment 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 ARCHITECTS SPECIFICATION. EXACT LOCATIONS OF AIRBRICKS/LOUVRES TO BE AGREED WITH ARCHITECT.
- 14. THE CONTRACTOR SHALL PROVIDE ALL VENTILATION SYSTEM ATTENUATION AS REQUIRED IN ACCORDANCE WITH THE ACOUSTIC RECOMMENDATIONS.

BOXES.



NATURAL VENTILATION

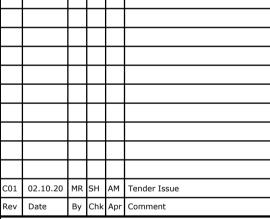
SUPPLY GRILLE



EXTRACT GRILLE



EXTRACT VALVE



FRANKHAM Frankham Consultancy Group Limited

E: enquire@frankham.com www.frankham.com

D OFFICE Wootton Business Park Irene Hous Five Arches Business Par Besselsleigh Road Wootton, Abingdon Oxfordshire OX13 6FD T: 01865 322500 EVENAGE OFFICE Suite 237, Second Floor Kings Court Business Centre Third Floor Baird House 15-17 St Cross Street London EC1N 8UW T: 020 7651 0790 London Road, Stevenage Hertfordshire SG1 2NG T:020 3714 7063



Project Title:

LFB - Euston Fire Station -Heating Replacement

Drawing Title:

Mechanical Services First Floor Proposed Ventilation Layout

TENDER ISSUE

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

Job No/ File Ref Originator Zone Level 227637 FCG 01 MB Type Discipline Number Suitability Revision DR M 5703 D2 C01