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1. DO NOT SCALE FROM THIS DRAWING
2. ALL DIMENSIONS ARE MILLIMETRES U.N.O.
3. ALL LEVELS ARE IN METRES ABOVE ORDNANCE DATUM U.N.O.
4. THIS DRAWING IS TO BE READ IN CONJUNCTION WITH ALL RELEVANT ARCHITECTS AND ENGINEERS DRAWINGS AND SPECIFICATIONS.

5. THE MECHANICAL CONTRACTOR IS RESPONSIBLE FOR FINAL CO-ORDINATION AND INSTALLATION OF ALL MECHANICAL SERVICES WITH ALL OTHER SERVICES AND THE BUILDING STRUCTURE.
6. ALL DUCTWORK SHALL BE MANUFACTURED, INSTALLED, TESTED & COMMISSIONED IN STRICT ACCORDANCE WITH DW144, DW143, DW151, DW171, DW/TM2, DW/TM3, TM/17 & CIBSE COMMISSIONING CODES.
7. 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.
8. ALL DUCT RUNS & DIFFUSER POSITIONS MUST BE CHECKED & SET OUT AGAINST FULLY DETAILED CEILING AND FLOOR LAYOUTS, STRUCTURAL ENGINEERING & ELECTRICAL SERVICE DRAWINGS. PRIOR TO THE INSTALLATION BEING EXECUTED. THE CONTRACTOR WILL BE EXPECTED TO CO-ORDINATE THE DUCTWORK & PIPED SERVICES WITH ALL OTHER TRADES.
9. ALL DUCTWORK TO BE IDENTIFIED IN ACCORDANCE WITH BS1710. DUCTWORK TO BE RAL 5024.
10. 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.
11. ALL BRANCH CONNECTIONS SHALL BE PROVIDED WITH VCDs TO FACILITATE BALANCING IN ACCORDANCE WITH ALL RELEVANT CIBSE CODES AND GOOD PRACTICES.
12. ALL LOUVERES AND ROOF COWLS SHALL BE FITTED WITH BIRD MESH AND INSECT SCREENS. ACCESS PANELS TO BE INSTALLED IN CONNECTING DUCTWORK TO ALLOW CLEANING. ALL LOUVERES SHALL BE SUITABLE FOR INTEGRATION INTO COMPOSITE ARCHITECTURAL PANELS - AS ARCHITECTS SPECIFICATION. EXACT LOCATIONS OF AIRBRICKS/LOUVERES TO BE AGREED WITH ARCHITECT
13. THE CONTRACTOR SHALL PROVIDE FIRE DAMPERS, COMPLETE WITH BUILT-IN FRAMES FOR FIXING TO ACCORDANCE WITH THE CURRENT ARCHITECTS FIRE STRATEGY DRAWINGS.
14. THE CONTRACTOR SHALL AGREE ALL PENETRATIONS THROUGH SLABS ETC WITH THE STRUCTURAL ENGINEER.
15. THE CONTRACTOR SHALL PROVIDE ALL VENTILATION SYSTEM ATTENUATION AS REQUIRED IN RECOMMENDATIONS
16. ALL DOOR TRANSFER GRILLES AND DOOR UNDERCUTS TO BE PROVIDED AS NECESSARY FOR VENTILATION RETURN AIR PATH. THE CONTRACTOR WILL NEED TO TAKE IN CONSIDERATION OF ACOUSTIC AND FIRE STRATEGY REPORT TO SATISFY ALL REQUIREMENTS. DOOR UNDERCUTS SHALL BE A MINIMUM OF 10MM AND SHALL NOT EXCEED A MAXIMUM OF 15MM.
17. ALL DUCTWORK TO BE OF GALVANISED STEEL CONSTRUCTION.
18. 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.
19. ALL FANS AND VENTILATION UNITS SHALL BE INSTALLED WITHIN ACCESSIBLE LOCATIONS WITH DUE REGARD TO THE MANUFACTURERS MAINTENANCE SPACE RECOMMENDATIONS.
20. EXISTING NON-CONFORMING BRICK DUCTWORK IS TO BE MODIFIED TO INCLUDE SUITABLE FIRE STOPPING BETWEEN COMPARTMENTS IN-LINE WITH BUILDING CONTROL REQUIREMENTS.
21. DUOMO CO2MC OR EQUAL AND APPROVED CO2 MONITOR WITH TRAFFIC LIGHT DISPLAY FOR MANUAL USER CONTROL OF VENTILATION OPENINGS U.N.O.

REV	DESCRIPTION	DATE	CHK	APP
T01	TENDER	16/11/2018	DL	AC

TENDER

MUSEUM OF OXFORD  
HIDDEN HISTORIES



tel 0117 929 5200  
info@ramboll.co.uk  
www.ramboll.co.uk

MECHANICAL SERVICES  
GROUND FLOOR  
VENTILATION LAYOUT

Project No:	1620002535	Scale ( @ A1):	1 : 100	Date:	09/05/18	Drawn:	DL	Rev:	T01
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