

NOTES

- DO NOT SCALE FROM THIS DRAWING.
 - ALL DIMENSIONS TO BE CHECKED ON SITE BY THE CONTRACTOR PRIOR TO INSTALLATION OF DUCT DRAWINGS. FABRICATION OF PARTS, ORDERING MATERIALS OR COMMENCING WORKS.
 - THIS DRAWING IS TO BE READ IN CONJUNCTION WITH ALL OTHER CONSULTANTS DRAWINGS, SPECIFICATIONS AND SCHEDULES.
 - ANY PENETRATION THROUGH FLOOR, SEE STRUCTURAL ENGINEERS APPROVAL BEFORE COMMENCEMENT.
 - ALL PLANT AND EQUIPMENT SHALL BE INSTALLED FULLY IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS.
- ## INSTALLATION
- ALL FAN INSTALLATIONS TO BE COMPLETE WITH ALL ACCESSORIES, CONTROLS AND FITTINGS TO PROVIDE A COMPLETE AND FUNCTIONAL INSTALLATION.
 - ALL VENTILATION SYSTEMS AND COMPONENTS TO BE INSTALLED, TESTED AND COMMISSIONED IN ACCORDANCE WITH BUILDING REGULATIONS APPROVED DOCUMENT 'F'.
 - ALL DUCTWORK SHALL BE INSTALLED RIGID PVC UNLESS OTHERWISE STATED.
 - ALL DUCTWORK TO BE MANUFACTURED AND INSTALLED IN ACCORDANCE WITH DM44.
 - CONTRACTOR TO ENSURE CORE CUTS THROUGH JOISTS ARE SUITABLE TO ACCOMMODATE THE DUCTWORK.
 - ALL DUCT RINGS ASSURE CLEAR PASSING THROUGH CEILING JOISTS AND HAVE NOT ALLOWED FOR DEVIATION THROUGH JOISTS.
 - FLEXIBLE DUCTING HAS BEEN ALLOWED FOR THE FINAL UNIT CONNECTION. NO MORE THAN 300mm FLEXIBLE DUCT SHOULD BE USED AS PER SPEC GUIDANCE.
 - ATTENUATION AND FIRE PROTECTION HAS BEEN EXCLUDED AS WE ARE NOT IN RECEIPT OF A FIRE STRATEGY OR ACOUSTIC REPORT AT THIS STAGE.
 - CONDENSATE DRAIN PIPING WILL BE REQUIRED IN 170mm THIS IS TO BE SUPPLIED BY THE CONTRACTOR. ALL CONDENSATE PIPING IS TO BE INSULATED WITHIN A COLD SPACE AND HAVE A MINIMUM FALL OF 1:100 TO DRAINAGE.
 - ALL DUCTING WITHIN AN UNHEATED SPACE MUST BE INSULATED IN ACCORDANCE WITH PART 'F' OF THE 2019 BUILDING REGULATIONS. FRESH AIR INTAKES AND EXHAUST AIR LINES ARE TO BE FULLY INSULATED BACK TO THE UNIT.
 - A MINIMUM DISTANCE OF 500mm IS REQUIRED BETWEEN EACH EXHAUST OFF THE UNIT AND ANY DUCTWORK FITTING. FLEXIBLE DUCT SHOULD BE FOLDED TIGHTLY WITH SMOOTH BENDS ONLY.
 - PLEASE NOTE TO COMPLY WITH CURRENT BUILDING REGULATIONS MANUAL ROOST SWITCHES ARE TO BE PROVIDED TO EACH MEET AREA. THESE ARE TO BE PROVIDED AND FITTED BY THE CONTRACTOR.
 - SUPPLY AND EXTRACT VALVES SHALL BE COMMISSIONED / TRIMMED AT THE URGE TO ENSURE THE CORRECT FLOW RATE IS ACHIEVED.
 - BETWEEN EACH FRESH AIR FALL BETWEEN FLOOR LEVELS. ALL MECHANICAL & ELECTRICAL CONTRACTORS SHALL ALLOW FOR OFFSETS DURING INSTALLATION.
 - WORKSPACE OFFICES SUPPLY AND EXTRACT GRILLES SHALL BE FIRED TO THE SIZES OF PRESSURE WITHIN THE SPACE. VA FIRE RATED GRILLES C/M FIRE/SMOKE DAMPER.

LEGEND

- EXTRACT DUCTWORK
 - SUPPLY DUCTWORK
 - ADJUSTABLE AIR VALVE
 - FIRE COLLAR
 - EXTERNAL LOUVER / AIRBRICK
 - TERMINAL (SPEC BY ARCHITECT)
 - REGULATING COOKER HOOD MODEL
 - SEE BY ARCHITECT / INTERIOR DESIGNER
 - DOOR TRANSFER GRILLE
 - LINEAR SLOT OFFUSER
- ## ABBREVIATIONS
- L/A - LOW LEVEL
 - H/A - HIGH LEVEL
 - FB - FROM BELOW
 - CV - CEILING VOID
 - D/L - DROP TO LOW LEVEL
 - D/A - DROP FROM ABOVE

**FOR COMMENT
NOT FOR SITE USE**

09.03.23	UNIT D KITCHEN SUPPLY AND EXTRACT	16	JA	RG
11.04.22	TENDER ISSUE	13	LM	RG
07.02.22	TENDER ISSUE	14	LM	AF
25.11.21	BUILDING LAYOUT UPDATED	13	BE	AF
02.06.21	TENDER ISSUE	12	BE	AF
21.05.21	TENDER ISSUE	11	BE	AF
Due	Description	Rev	Drawn	Chk

Revision Description

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Project:
**LONDON ROAD FIRE STATION
FIRE STATION, LONDON ROAD,
MANCHESTER, M1**

Drawing Title:
**MECHANICAL SERVICES
ROOF VOID LEVEL
VENTILATION LAYOUT**

Date	Design By	Drawn By	Scale
31.03.21	A.F.	UGB	1:100

Issue Status:
TENDER

Drawing Number:
647-M-157-RV-01

Rev: **16**

DRAWING TO BE READ WITH CONSOLUX SPECIFICATION

