

- NOTES
- DO NOT SCALE FROM THIS DRAWING
 - ALL DIMENSIONS TO BE CHECKED ON SITE BY THE CONTRACTOR PRIOR TO PREPARATION OF SHOP 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, SIDE STRUCTURAL ENGINEERS APPROVAL BEFORE COMMENCEMENT.
 - ALL PLANT AND EQUIPMENT SHALL BE INSTALLED FULLY IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS. VENTILATION 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 BS444.
 - CONTRACTOR TO ENSURE CODE CUTS THROUGH JOISTS ARE SUITABLE TO ACCOMMODATE THE DUCTWORK.
 - ALL DUCT RIGID ASSEMBLY CLEAR PATHS THROUGH CEILING VOIDS ARE NOT ALLOWED FOR ELEVATION THROUGH JOISTS.
 - FLEXIBLE DUCTING HAS BEEN ALLOWED FOR THE FINAL UNIT CONNECTION TO MORE THAN 100mm PER LEG SHOULD BE USED AS PER SPEC GUIDANCE.
 - ATTENTION AND FIRE PROTECTION HAS BEEN EXCLUDED AS WE ARE NOT IN RECEIPT OF A FIRE STRATEGY OR ACUSTIC REPORT AT THIS STAGE.
 - CONDENSATE DRAIN PIPING WILL BE REQUIRED IN 25mm. 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% TO DREGES.
 - ALL DUCTING WITHIN AN UNHEATED SPACE MUST BE INSULATED IN ACCORDANCE WITH PART 'F' OF THE 2019 BUILDING REGULATIONS. FRESH AIR INTAKE AND EXHAUST ARE LESS ARE TO BE FULLY INSULATED BACK TO THE UNIT.
 - A MINIMUM DISTANCE OF 500mm IS REQUIRED BETWEEN EACH SPOT OF THE UNIT AND ANY DUCTWORK FITTING. FLEXIBLE DUCT SHOULD BE PULLED TIGHTLY WITH SMOOTH BENDS ONLY.
 - PLEASE NOTE TO COMPLY WITH CURRENT BUILDING REGULATIONS. MANUAL EXIST SWITCHES ARE TO BE PROVIDED TO EACH RET AREA. THESE ARE TO BE PROVIDED AND FITTED BY THE CONTRACTOR.
 - SUPPLY AND EXTRACT VALVES SHALL BE COMMISSIONED / TRIMMED AT THE GRILLE TO ENSURE THE CORRECT FLOW RATE IS ACHIEVED.
 - BETWEEN EACH RISE AND FALL BETWEEN FLOOR LEVELS, ALL MECHANICAL & ELECTRICAL CONTRACTORS SHALL ALLOW FOR OFFSETS DURING INSTALLATION.
 - WORKSPACE OFFICES SUPPLY AND EXTRACT GRILLES SHALL BE USED TO THE SIZES OF ROOMS WITHIN THE SPACE. UN- FIRE RATED GRILLES C/W FIRE/RADIANE DAMPER.

- LEGEND
- EXTRACT DUCTWORK
 - SUPPLY DUCTWORK
 - ADJUSTABLE AIR VALVE
 - FC FIRE COLLAR
 - EXTERNAL LOUVER / AIRBRICK TERMINAL (B/C BY ARCHITECT)
 - RECYCLATING COOKER HOOD MODEL (B/C BY ARCHITECT / INTERIOR DECORATOR)
 - DOOR TRANSFER GRILLE
 - LINEAR SLOT DIFFUSER
- ABBREVIATIONS
- L/L - LOK LEVEL
 - R/A - RISE TO ABOVE
 - FS - FROM BELOW
 - CY - CEILING VOID
 - D/L - DROP TO LOW LEVEL
 - D/A - DROP FROM ABOVE

FOR COMMENT
NOT FOR SITE USE

09.03.21	UNIT D KITCHEN SUPPLY AND EXTRACT	16	JH	RG
11.04.21	TENDER ISSUE	15	LAW	RG
07.02.22	TENDER ISSUE	14	LAW	AF
20.07.21	TENDER ISSUE	13	CH	AF
02.06.21	TENDER ISSUE	12	BB	AF
21.05.21	TENDER ISSUE	11	BB	AF

Date	Description	Rev	Drawn	Check
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Revision Description

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

Drawing Title
**MECHANICAL SERVICES
GROUND FLOOR
VENTILATION LAYOUT**

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

Issue Status
TENDER

Drawing Number 647-M(57)-00-01	Rev 16
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