NOTES

1. DO NOT SCALE FROM THIS DRAWING
2. ALL DIMENSIONS TO BE CHECKED ON SITE BY THE CONTRACTOR PRIOR TO PREPARATION OF SHOP DRAWINGS, FABRICATION OF PARTS, ORDERING MATERIALS OR COMMENCING WORKS
3. THIS DRAWING IS TO BE READ IN CONJUNCTION WITH ALL OTHER CONSULTANTS DRAWINGS, SPECIFICATIONS AND SCHEDULES.
4. ANY PENETRATION THROUGH FLOOR, SEEK STRUCTURAL ENGINEERS APPROVAL BEFORE COMMENCEMENT.
5. ALL PLANT AND EQUIPMENT SHALL BE INSTALLED FULLY IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS.

VENTILATION INSTALLATION

1. ALL FAN INSTALLATIONS TO BE COMPLETE WITH ALL ACCESSORIES, CONTROLS AND FITTINGS TO PROVIDE A COMPLETE AND FUNCTIONAL INSTALLATION
2. ALL VENTILATION SYSTEMS AND COMPONENTS TO BE INSTALLED, TESTED AND COMMISSIONED IN ACCORDANCE WITH BUILDING REGULATIONS APPROVED DOCUMENT 'F'.
3. ALL DUCTWORK SHALL BE INSTALLED RIGID PVC UNLESS OTHERWISE STATED.
4. ALL DUCTWORK TO BE MANUFACTURED AND INSTALLED IN ACCORDANCE WITH DW144.
5. CONTRACTOR TO ENSURE CORE OUTS THROUGH JOISTS ARE SUITABLE TO ACCOMMODATE THE DUCTWORK.
6. ALL DUCT RUNS ASSUME CLEAR PATHS THROUGH CEILING VOIDS AND HAVE NOT ALLOWED FOR DEVIATION THROUGH JOISTS.
7. FLEXIBLE DUCTING HAS BEEN ALLOWED FOR THE FINAL UNIT CONNECTION, NO MORE THAN 300mm PER LEG SHOULD BE USED AS PER SPEC GUIDANCE.
8. ATTENUATION AND FIRE PROTECTION HAS BEEN EXCLUDED AS WE ARE NOT IN RECEIPT OF A FIRE STRATEGY OR ACOUSTIC REPORT AT THIS STAGE.
9. CONDENSATE DRAIN PIPEWORK WILL BE REQUIRED IN 21.5mm. THIS IS TO BE SUPPLIED BY THE CONTRACTOR. ALL CONDENSATE PIPEWORK IS TO BE INSULATED WITHIN A COLD SPACE AND HAVE A MINIMUM FALL OF 1° DEGREES.
10. ALL DUCTING WITHIN AN UNHEATED SPACE MUST BE INSULATED IN ACCORDANCE WITH PART 'L' OF THE 2019 BUILDING REGULATIONS. FRESH AIR INTAKE AND EXHAUST AIR LEGS ARE TO BE FULLY INSULATED BACK TO THE UNIT.
11. A MINIMUM DISTANCE OF 500mm IS REQUIRED BETWEEN EACH SPIGOT OFF THE UNIT AND ANY DUCTWORK FITTING. FLEXIBLE DUCT SHOULD BE PULLED TAUGHT WITH SMOOTH BENDS ONLY.
12. PLEASE NOTE TO COMPLY WITH CURRENT BUILDING REGULATIONS MANUAL BOOST SWITCHES ARE TO BE PROVIDED TO EACH WC AREA, THESE ARE TO BE PROVIDED AND FITTED BY THE CONTRACTOR.
13. SUPPLY AND EXTRACT VALUES SHALL BE COMMISSIONED / TRIMMED AT THE GRILLE TO ENSURE THE CORRECT FLOW RATE IS ACHIEVED.
14. BETWEEN EACH RISE AND FALL BETWEEN FLOOR LEVELS, ALL MECHANICAL & ELECTRICAL CONTRACTORS SHALL ALLOW FOR OFFSETS DURING INSTALLATION.
16. WORKSPACE OFFICES SUPPLY AND EXTRACT GRILLES SHALL BE FIXED TO THE SIDES OF RISERS WITHIN THE SPACE VIA FIRE RATED GRILLES C/W FIRE/SMOKE DAMPER.

LEGEND

- EXTRACT DUCTWORK
- SUPPLY DUCTWORK
- ADJUSTABLE AIR VALVE
- FC FIRE COLLAR
- EXTERNAL LOUVRE / ARBROK TERMINAL (TBC BY ARCHITECT)
- RECIRCULATING COOKER HOOD, MODEL TBC BY ARCHITECT / INTERIOR DESIGNER
- DOOR TRANSFER GRILLE
- LINEAR SLOT DIFFUSER

ABBREVIATIONS

L/L	- LOW LEVEL
RTA	- RISE TO ABOVE
FB	- FROM BELOW
CV	- CEILING VOID
DTLL	- DROP TO LOW LEVEL
DFA	- DROP FROM ABOVE

FOR COMMENT
NOT FOR SITE USE

Date	Description	Rev	Drn	Chd
09.03.23	UNIT D KITCHEN SUPPLY AND EXTRACT	T6	JH	RG
11.04.22	TENDER ISSUE	T5	LM	RG
07.02.22	TENDER ISSUE	T4	LM	AF
23.11.21	BUILDING LAYOUT UPDATED VENTILATION AMENDED TO SUIT	T3	IB	AF
02.04.21	TENDER ISSUE	T2	IB	AF
21.05.21	TENDER ISSUE	T1	IB	AF

Revision Description

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LONDON ROAD FIRE STATION
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MANCHESTER, M1

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MECHANICAL SERVICES
SECOND FLOOR
VENTILATION LAYOUT

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DRAWING TO BE READ WITH CONSOLUX SPECIFICATION

XREF Updated on: 04.11.21

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