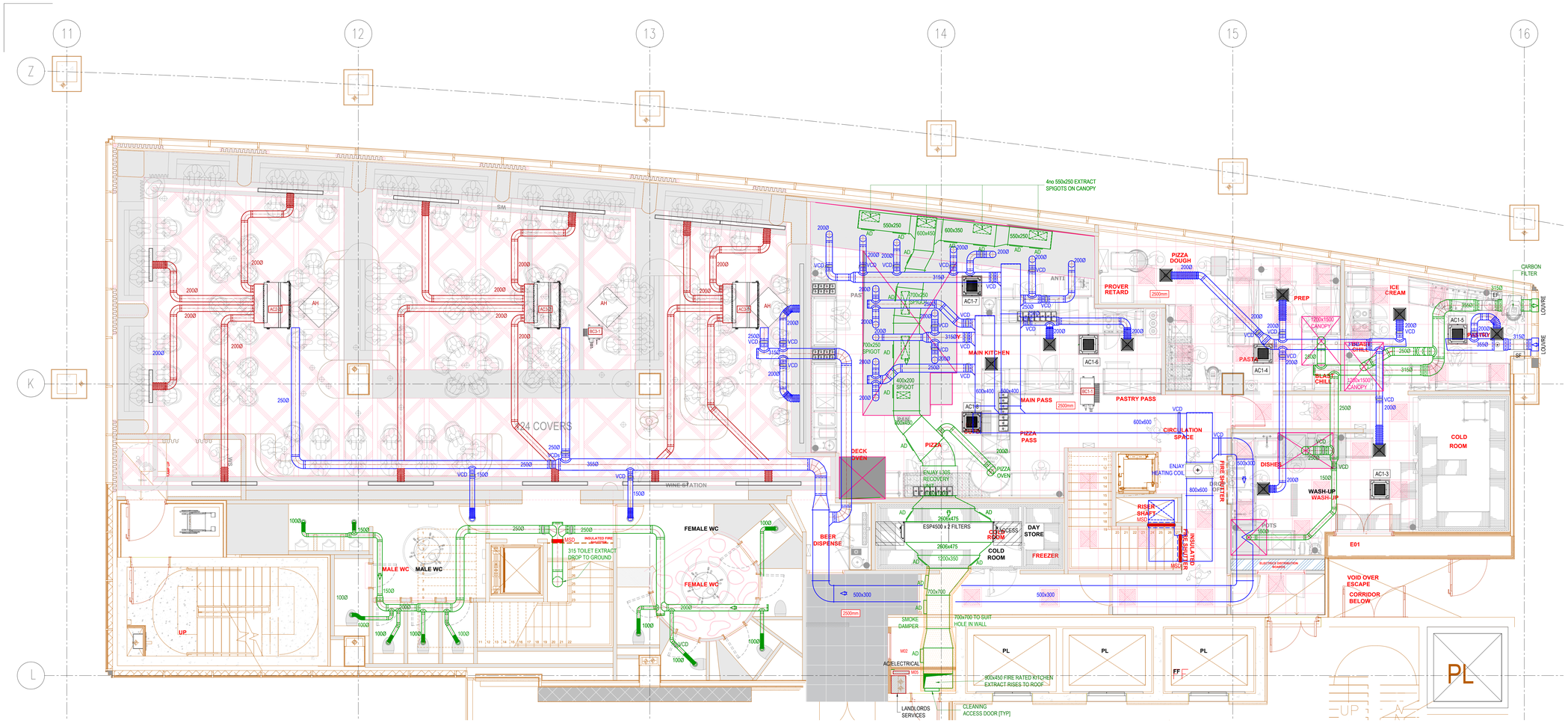
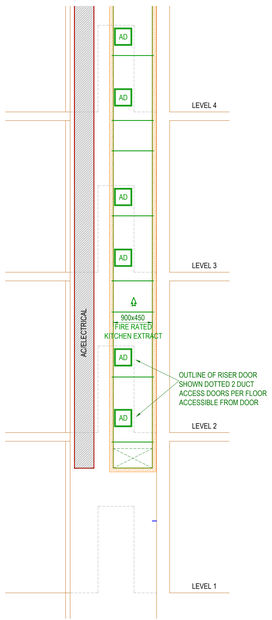
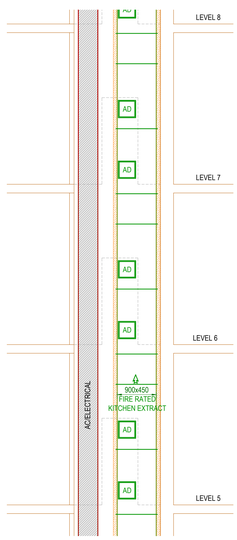
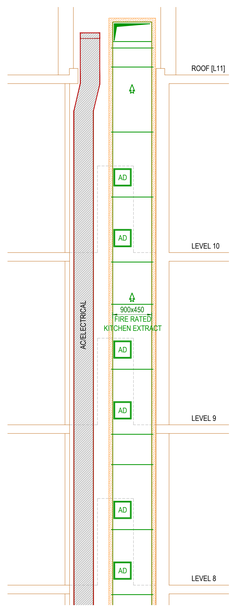




RISER ELEVATION LEVELS 1-4



RISER ELEVATION LEVELS 4-8



RISER ELEVATION LEVEL 8-ROOF

General notes:

1. Positions of all equipment, ductwork and fittings are indicative only.
2. Contractors shall confirm the sequence of installation works to ensure safe access is maintained.
3. Attention is drawn to health & Safety issues. Liaise with the main contractor to ensure that installation works are programmed to minimise H&S risks and optimise accessibility.
4. All dimensions / duct sizes are in millimetres unless otherwise stated.
5. This drawing was produced using CAD and should not be amended by hand.
6. All dimensions shown are for reference and should be checked on site prior to commencement of work.

Specific notes:

1. This drawing should be read in conjunction with all architectural, structural and drawings from other services (incl. mechanical, catering, electrical, sprinklers) along with contract documentation and specification for the works.
2. Before work, technical statements, sign offs and approvals are in place before proceeding with any works.
3. All works to be carried out in accordance with the current British Standards, B.S. codes of practice and building regulations.
4. The HVAC services works shall be carried out in full accordance with the client requirements, the specification, the contract documents and the manufacturer's recommendations.
5. Ductwork shall be installed in accordance with all current industry standard guidelines / regulations.
6. Flexible ductwork to be manufactured to DW144.
7. Ductwork sized in accordance with all current industry standard guidelines / regulations. Duct dimensions shown on drawing are clear internal dimensions (not including flanges and fixings).
8. Access doors required on kitchen extract duct every 1500mm for cleaning and before and after every change of direction. Access doors to be provided by main contractor in any solid ceilings where final requirements indicated by HVAC installation contractor.
9. Duct connections with fans and other equipment to be a manufactured canvas connection to prevent duct breakout noise and transmission of vibrations.
10. Volume control dampers to be installed on all branch tags and diffuser / grille terminals to facilitate commissioning.
11. Supply and secondary fan coil unit ductwork to be fully insulated.
12. The exact positions of ceiling diffusers shall be determined from these drawings. The exact positions shall be agreed with the client, architect and the main contractor and shall be shown accurately on the working / co-ordinated drawings.
13. Position of all grilles / air valves shown are in optimum positions for air flow. The grilles to be positioned as close as practicable to location shown and coordinated with other services and ceiling grids.
14. Fire dampers are to be shown on ductwork (excluding kitchen extract ducts) penetrating the compartment divides and shall incorporate certified fire dampers to BS EN 15650 and BS 9999 installed in accordance with the manufacturer and architects' fire strategy drawing to establish locations. Fire dampers are shown indicatively on these drawings.
15. Insulation to be fitted to ductwork where fire rated, shall match the fire rating of the wall in which it is installed.
16. Attenuation and anti-vibration measures shall be incorporated on all plant and equipment to ensure that noise and vibration transmission is minimised.
17. Access required to all plant equipment for maintenance and cleaning.
18. Refer to catering specialist layout to determine confirmed canopy sizes and location.
19. Condensate drain from AC condensers to be run to the nearest waste connection or to rooftop drain. Condensate drains from the FCU's to be run to the nearest drain point. Consult manufacturer and their requirements. Both shall be the equivalent plastic or copper sizes.
20. Install all mechanical equipment in accordance with manufacturers guidelines.
21. Ductwork dimensions shown are the minimum internal clear dimensions shown on CAD drawings to allow for provisioned space and access within the HVAC plant area.
22. Locations of all required floor, wall and roof openings shall be co-ordinated with all other trades involved.
23. No others load(s) (other services or man loading) shall be hung from ductwork supports.

METERAGE

SUPPLY DUCTWORK	0.0m
WC EXTRACT DUCTWORK	0.0m
AC PIPEWORK	0.0m

Quantities are for this sheet only

No.	Date	Rev By	Revision Description
H	5-5-25	KM	RECORD DRAWING
G	4-3-25	KM	KITCHEN EXTRACT REVISED AT RISER SHAFT TO SUIT EXISTING OPENING. 2 NEW CANOPIES ADDED BOH EXTRACT DUCTWORK REVISED TO SUIT
F	30-1-25	KM	CUSTOMER TOILET EXTRACT REVISED. MAIN KITCHEN EXTRACT HEAT RECOVERY UNIT REVISED MAIN KITCHEN SUPPLY LAYOUT TO CANOPIES REVISED. NEW SUPPLY AND EXTRACT SYSTEMS ADDED TO KITCHEN AREA AS LANDLORDS VAV BOXES REMOVED.
E	19-12-24	KM	MSD ADDED TO TOILET EXHAUST, VCDs ADDED. BS BOXES SHOWN. MSD ADDED TO KITCHEN SUPPLY, ENJAY HEAT RECOVERY AND HEATING COILS ADDED.
D	14-11-24	KM	TOILET AREA UPDATED TO SUIT LATEST ARCHITECTS LAYOUT. CANOPY REVISED TO LATEST CATERING DRAWINGS
C	8-11-24	KM	CANOPY REMOVED. UVO FILTERS REMOVED. PERIMETER GRILLES REVISED TO 2000L. FOH BACKGROUND UPDATED
B	26-9-24	KM	BACK OF HOUSE GRILLES AND AC UNITS RELOCATED TO SUIT LATEST RCP. ESPs ADDED TO KITCHEN EXTRACT DUCTWORK REVISED TO SUIT. SPACE PROVISION FOR FUTURE UVOs SHOWN AND ALTERATIONS TO LANDLORDS DUCTWORK SHOWN
A	24-6-24	KM	SUPPLY AND EXTRACT REVISED TO CONNECT TO EXISTING LANDLORDS VAVs. TOILET EXTRACT FAN EF2 RELOCATED AND DUCTWORK REVISED. EF3 DELETED. EXTRACT IN DINING DELETED AND DINING AREA AC & FAN COILS REVISED TO SUIT THE LATEST RCP

Client:

BIG MAMMA STUDIO

Project :

2306 - MANCHESTER

Drawing Title :

FIRST FLOOR
AIR CONDITIONING AND
VENTILATION LAYOUT

Drawing No.: 001-1204-02

Rev: RECORD

Scale: 1:50 @ A0 1:100 @ A2

Drawn By: KDM | Checked By: - | Date: 04.04.24

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