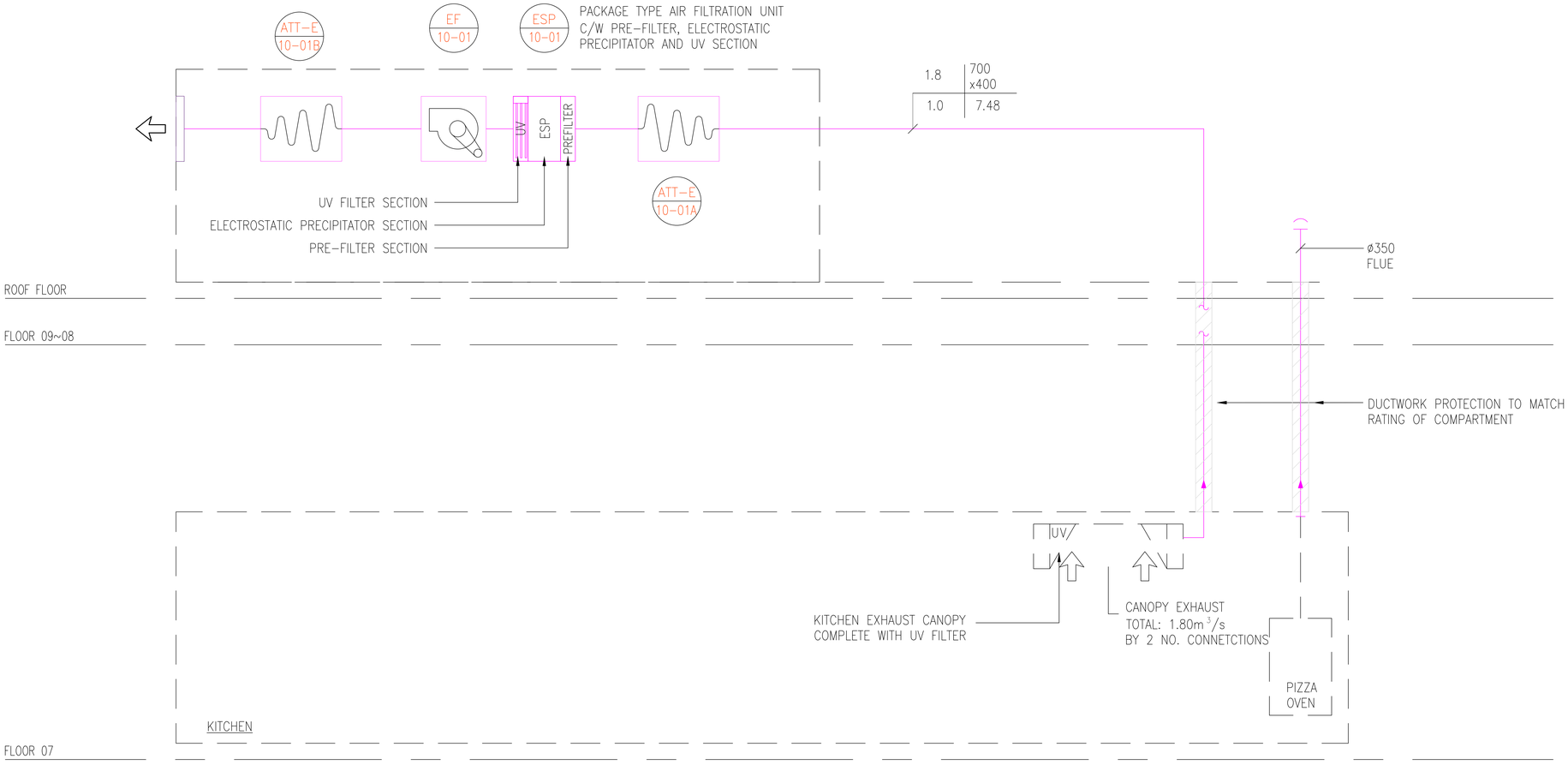

LEVEL07 KITCHEN EXTRACT SYSTEM SCHEMATIC

LEGEND
- SUPPLY DUCTWORK
- SUPPLY TERMINAL
- FRESH AIR LOUVRE
- EXTRACT DUCTWORK
- EXTRACT VALVE
- EXHAUST AIR LOUVRE
- VCD — VOLUME CONTROL DAMPER
- ATT — ATTENUATOR
- FD — FIRE DAMPER
- HEAT RECOVERY VENTILATION UNIT
- AIR HANDLING UNIT
- m³/s — AIR VOLUME
- mm — DUCT DIMENSIONS
- m/s — VELOCITY
- Pa/m — PRESSURE DROP

ABBREVIATIONS
ATT – ATTENUATOR

0 10 20 MILLIMETERS 100
LINEAR SCALE BAR

reference drawings

drawing number	rev	date	supplied by

Keyplan

notes

1. DO NOT SCALE FROM THIS DRAWING
2. THIS DRAWING IS FOR SPATIAL CO-ORDINATION PURPOSES ONLY. ALL CONTRACTORS TO CHECK THEIR SERVICES BEFORE PROCEEDING WITH SITE INSTALLATION. ANY DISCREPANCIES OR QUERIES PLEASE CONTACT THE CAD CO-ORDINATOR.
3. THIS DRAWING IS TO BE READ IN CONJUNCTION WITH ALL OTHER CONSULTANTS DRAWINGS, SPECIFICATIONS AND SCHEDULES. ANY DISCREPANCY TO BE BROUGHT TO ATTENTION OF VAUGHAN PRIOR TO INSTALLATION
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 HOT DIP GALVANISED AS PER DW144.
4. ALL DUCTWORK TO BE MANUFACTURED AND INSTALLED IN ACCORDANCE WITH DW144.
5. ALL DUCT RUNS ASSUME CLEAR PATHS THROUGH CEILING VOIDS AND HAVE NOT ALLOWED FOR DEVIATION THROUGH JOISTS.
6. FLEXIBLE DUCTING HAS BEEN ALLOWED FOR THE FINAL UNIT CONNECTION, NO MORE THAN 300mm PER LEG SHOULD BE USED AS PER BPEC GUIDANCE.
7. ATTENUATION AND FIRE PROTECTION HAS BEEN EXCLUDED AS WE ARE NOT IN RECEIPT OF A FIRE STRATEGY OR ACOUSTIC REPORT AT THIS STAGE.
8. CONDENSATE DRAIN PIPEWORK WILL BE REQUIRED IN 21.5mm. ALL CONDENSATE PIPEWORK IS TO BE INSULATED WITHIN A COLD SPACE AND HAVE A MINIMUM FALL OF 10 DEGREES.
9. 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.
10. 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.
11. PLEASE NOTE TO COMPLY WITH CURRENT BUILDING REGULATIONS MANUAL BOOST SWITCHES ARE TO BE PROVIDED TO EACH WET AREA. THESE ARE TO BE PROVIDED AND FITTED BY THE CONTRACTOR.
12. SUPPLY AND EXTRACT VALVES SHALL BE COMMISSIONED / TRIMMED AT THE GRILLE TO ENSURE THE CORRECT FLOW RATE IS ACHIEVED.
13. BETWEEN EACH RISE AND FALL BETWEEN FLOOR LEVELS, IT SHALL ALLOW FOR OFFSETS DURING INSTALLATION.
14. G4 & F7 FILTRATION SHALL BE UTILISED

C03	CW / 24/06/25	HL / 24/06/25	REVISED PER EHO COMMENT
C02	CW / 27/03/25	HL / 27/03/25	REVISED KITCHEN CANOPY DESIGN
C01	CW / 06/02/25	HL / 06/02/25	CONSTRUCTION ISSUE

status
FOR CONSTRUCTION

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client
BLUE SKY BUILDING

project
OLD GRANDA STUDIOS
ATHERTON STREET, MANCHESTER
M3 3GS

drg title
MECHANICAL SERVICES
VENTILATION SERVICES
LV 07 KITCHEN VENTILATION SCHEMATICS

drg no. **11080-VES-XX-ZZ-SC-M-05704K**

drawn	CW	date	06/02/25
checked	CW	date	06/02/25
scale	N.T.S.	contract	785

rev
C03

SERVICE INFORMATION ONLY TO BE TAKEN FROM THIS DRAWING. Where Architects details are shown these are Indicative and reference should be made to the relevant Architects drawing. To be read in conjunction with all Consultants drawings, specifications and regulations. USE FIGURE DIMENSIONS ONLY. DO NOT SCALE