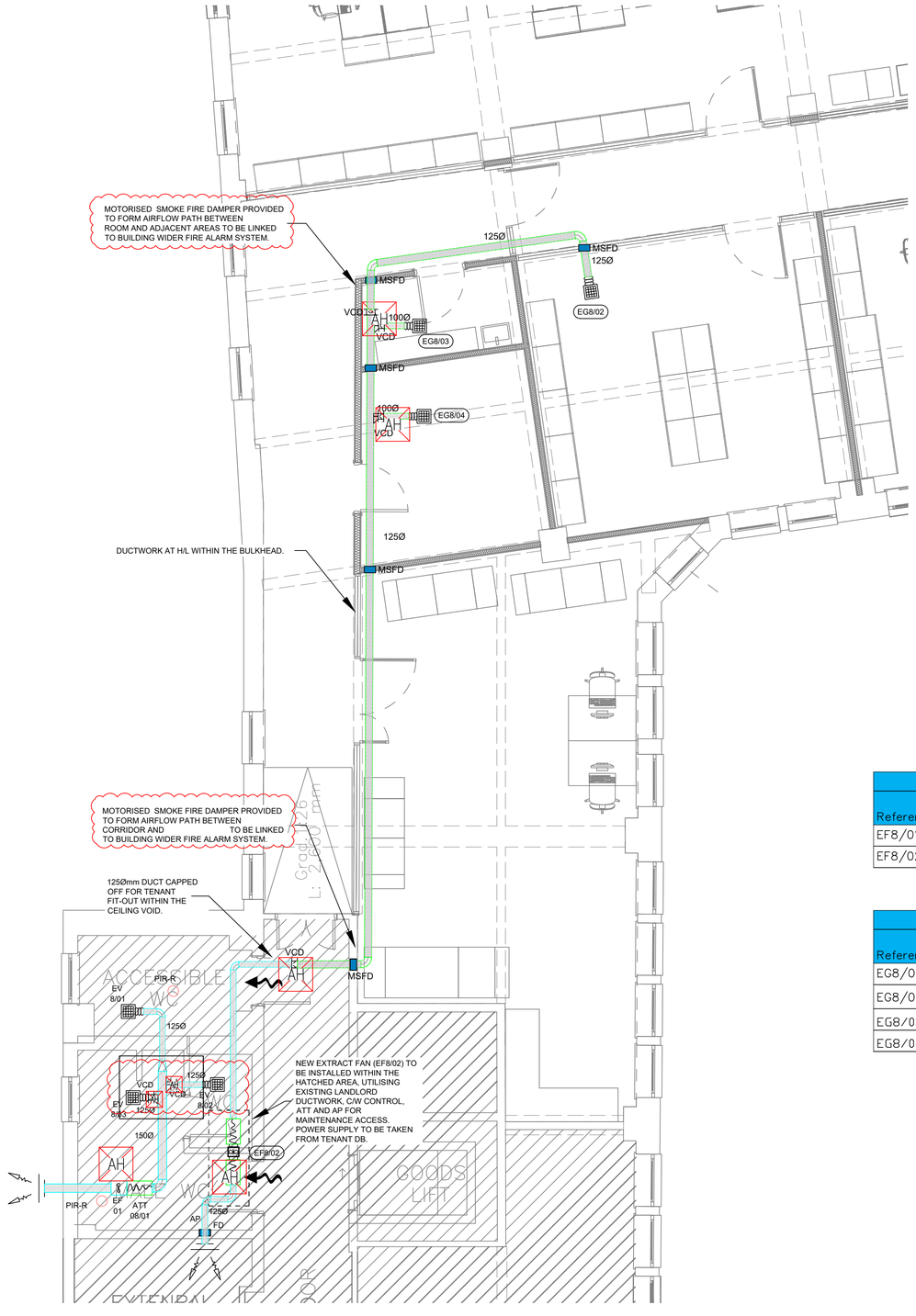
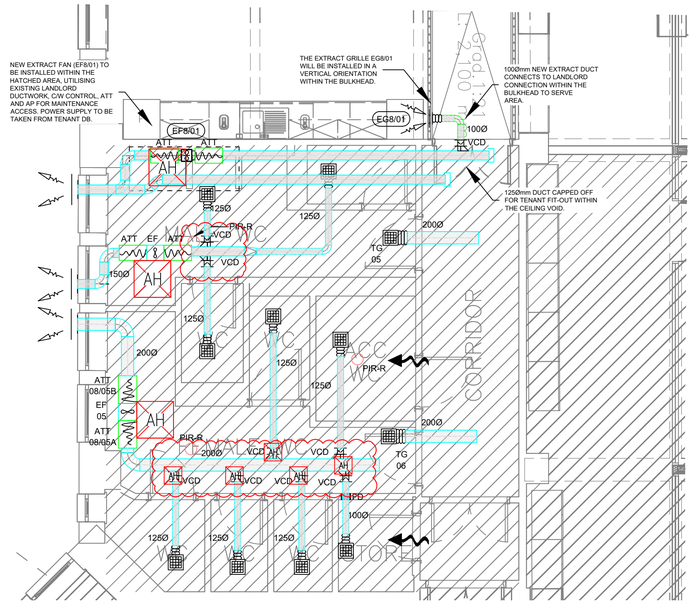


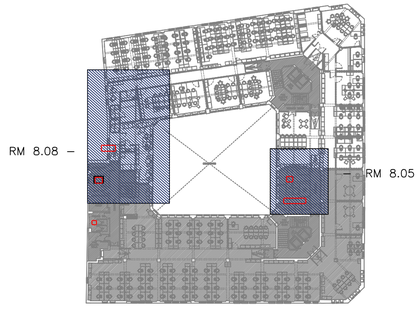
PROPOSED AND EXISTING VENTILATION LAYOUTS
RM 8.08 – CCU STORE
RM 8.10 – CLEANERS STORE
RM 8.11 – COMMS ROOM



PROPOSED AND EXISTING VENTILATION LAYOUTS
RM 8.05 – REFRESHER AREA

Extract Fan Schedule									
Reference	Manufacturer	Model	Required Air Duty (L/s)	Speed Setting	Length (mm)	Width (mm)	Height(mm)	Weight (kg)	Electrical (Ph/V/Hz)
EF8/01	Vent–Axia	ACM–100	15	Low	298	178	220	2.6	1/230/50
EF8/02	Vent–Axia	ACM–150	74	High	350	200	256	2.6	1/230/50

Extract Grille Schedule									
Reference	Room	Air Volume (M^3/s)	Face size W (mm)	Face size H (mm)	Neck Size (mm)	Type	dBA	Duct Connection (mm)	Velocity (M/s)
EG8/01	Refresh Area	0.015	150	150	100	GECA + SEB	<20	100	1.5
EG8/02	CCU Store	0.036	200	200	125	GECA + SEB	<20	100	1.5
EG8/03	Cleaners Store	0.016	150	150	100	GECA + SEB	<20	100	1.5
EG8/04	Comms Room	0.022	150	150	100	GECA + SEB	<20	100	1.5



ALL DIMENSIONS ARE IN MILLIMETRES UNLESS OTHERWISE INDICATED.

DO NOT SCALE FROM THIS DRAWING. IF IN DOUBT ASK.

THIS DRAWING SHALL BE READ IN CONJUNCTION WITH THE PROJECT SPECIFICATION AND ALL OTHER PROJECT DOCUMENTATION.

VENTILATION NOTES:

1. THIS IS A TENDER ISSUE DRAWING ONLY.
2. THE MECHANICAL SUB-CONTRACTOR SHALL PREPARE HIS OWN CONSTRUCTION/WORKING DRAWINGS BASED UPON THIS AND OTHER ARCHITECTURAL AND STRUCTURAL ENGINEERING DRAWINGS (AVAILABLE FROM OTHERS).
3. ALL PLANT AND EQUIPMENT SHALL BE INSTALLED IN ACCORDANCE WITH THE MANUFACTURES INSTRUCTIONS.
4. ALL DUCTWORK SHALL BE MANUFACTURED AND INSTALLED IN ACCORDANCE WITH HVCA DW144.
5. DUCTWORK SHALL HAVE ACCESS PANELS IN ACCORDANCE WITH THE REQUIREMENTS OF DW144. THE CONTRACTOR SHALL INCLUDE FOR THE INSTALLATION OF ACCESS DOORS AS NECESSARY TO AID DUCTWORK CLEANING. (SEE NOTE 11 BELOW).
6. FIRE DAMPERS/SMOKE DAMPERS SHALL BE PROVIDED WHERE DUCTWORK PASSES THROUGH ANY FIRE RATED STRUCTURE. ACTIONAIR FIRE SHIELD/ACTIONAIR SMOKE SHIELD TYPE WITH BLADES OUT OF THE AIRSTREAM. (REFER TO SPECIFICATION FOR DETAILS).
7. ALL VENTILATION INSTALLATIONS SHALL COMPLY WITH THE REQUIREMENTS OF BUILDING REGULATIONS PART F.
8. DUCTWORK INSTALLATION SHALL BE TO BESA/TR19 PROTECTION, DELIVERY AND INSTALLATION (PDI) (ADVANCED) CLEANLINESS QUALITY CLASS (MEDIUM).
9. CONTRACTOR TO INCLUDE FOR DUCTWORK CLEANING IN ACCORDANCE WITH HVCA/TR19 BY AN APPROVED SPECIALIST CONTRACTOR & CERTIFIED ACCORDINGLY.
10. ALL FIRE & SMOKE DAMPERS TO BE INSTALLED STRICTLY IN ACCORDANCE WITH DW145

LEGEND:

- EXISTING DUCTWORK
- NEW EXTRACT DUCTWORK
- EGGCRATE EXTRACT GRILLE
- SUPPLY AIR DIFFUSER
- EXTRACT FAN
- FLEXIBLE DUCT
- VOLUME CONTROL DAMPER
- MECH CONTROLLER
- INTAKE/ EXHAUST LOUVRE
- ACCESS HATCH

Revision	Date	Description
P05	03.07.2026	CLIENT COMMENTS FOR TENDER ISSUE
P04	29.05.26	UPDATED TENDER ISSUE
P03	17.04.26	TENDER ISSUE
P2	20.03.2026	PRELIMINARY
P1	17.03.2026	PRELIMINARY

Client & Site
SUNLIGHT HOUSE
LITTLE QUAY STREET
MANCHESTER
M3 3HP

Title
PROPOSED AND EXISTING VENTILATION LAYOUT
8TH FLOOR

SHEET 4 OF 4

Steven A. Hunt & Associates
Hangar 9, De Havilland Drive, Liverpool L24 8RN
T 0151 427 8009
W www.stevenhunt.com E info@stevenhunt.com

Scale: 1:50 Size: A1 Drawn: AH Chkd: NB

ISO19650 Compliant
Drawing No.
Project Origin Zone Level File Type Role Number Suitability Rev:
4745·SHA·XX·08·DR·M·3001· S2 P05

PRELIMINARY

Y:\4745 - Sunlight House\8 Drawings\1 Mechanical Engineering\4000 Ventilation.dwg
Plot Date: 3 Jul 2026 Layout Name: ▼P05-A1H-SHA-XX-DR-M-3001 Paper Size: ISO (A1 (594.00 x 841.00mm))