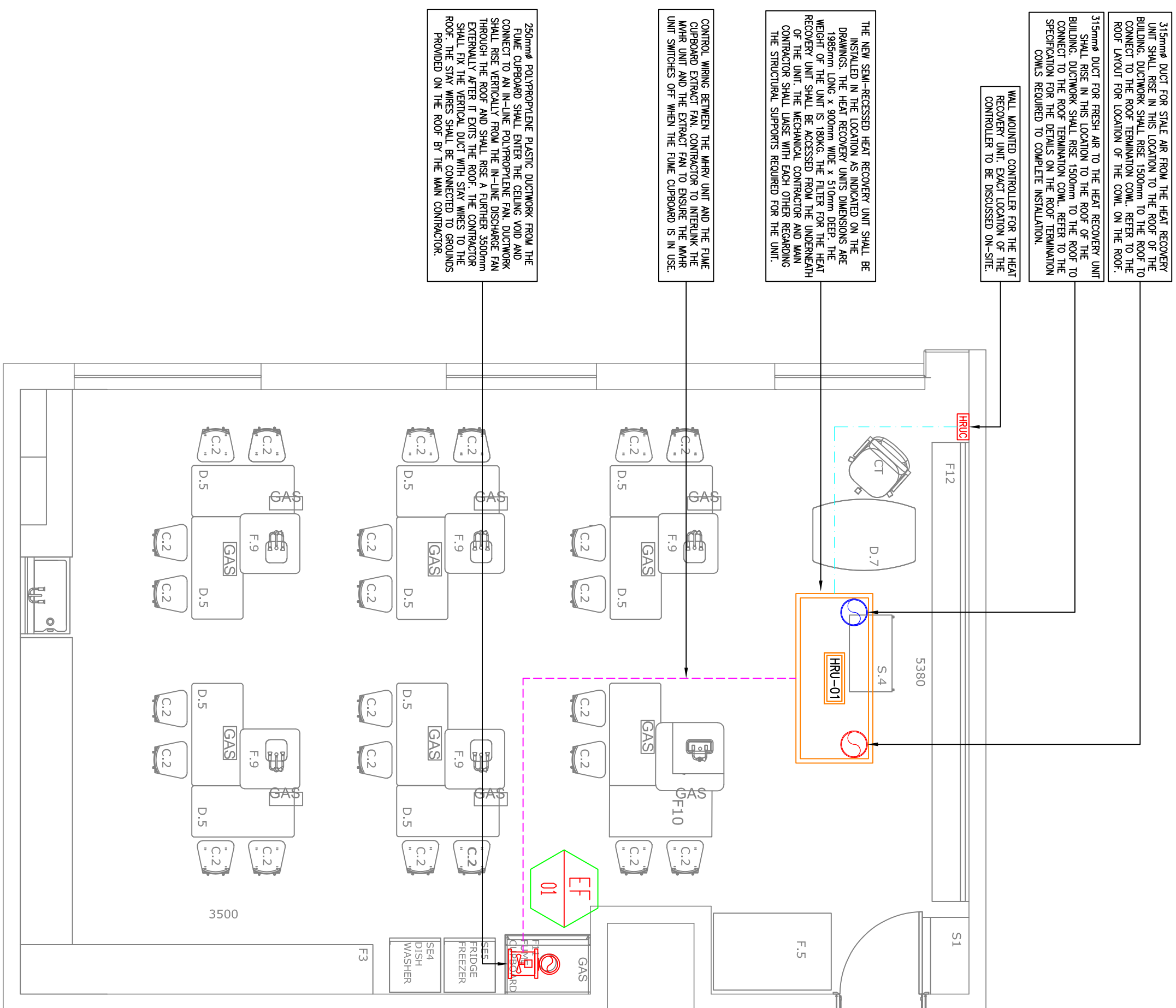




VENTILATION SERVICES INSTALLATION LAYOUT (SCALE 1:50)

VENTILATION LEGENDS AND SYMBOLS

CONTROL WIRING BETWEEN DEVICES

SEMI-RECESSED HEAT RECOVERY UNIT INSTALLED IN THE SCIENCE ROOM (* DENOTES NUMBER OF THE HEAT RECOVERY UNIT)

HRUC
WALL MOUNTED CONTROLLER FOR THE HEAT
RECOVERY UNIT.

POLYPROPYLENE PLASTIC DUCTWORK FOR FUME CUPBOARD EXTRACT (DUCTWORK SHALL RISE FROM THE FUME CUPBOARD UP TO THE CEILING VOID ABOVE THE CEILING)

 POLYPROPYLENE IN-LINE FAN FOR FUME CUPBOARD

 EXTRACT FAN (* DENOTES NUMBER)

H/L	HIGH LEVEL
L/L	LOW LEVEL
T.B.	TO BELOW
F.B.	FROM BELOW
T.A.	TO ABOVE

GENERAL NOTES:

1. THIS DRAWING IS TO BE READ IN CONJUNCTION WITH ALL MECHANICAL, ELECTRICAL, ARCHITECTURAL AND STRUCTURAL DRAWINGS & SPECIFICATIONS.
2. THE MECHANICAL CONTRACTOR SHALL CO-ORDINATE FULLY WITH ALL OTHER TRADES BEFORE COMMENCING WORK. THE MECHANICAL CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING ALL THE NECESSARY INFORMATION TO ALLOW THE MAIN CONTRACTOR TO CO-ORDINATE ALL SERVICES.
3. ON SITE EXTRA COSTS INCURRED DUE TO THE CO-ORDINATION EXPENSE NOT BEING COMPLETED WILL NOT BE ASCERTAINED BY THE ENGINEER.
4. DO NOT SCALE THIS DRAWING. ALL DIMENSIONS TO BE TAKEN ON SITE.
5. THE MECHANICAL CONTRACTORS SHALL ALLOW FOR THE SUPPLY AND INSTALLATION OF ALL MECHANICAL SERVICES INDICATED ON THIS DRAWING.

VENTILATION SERVICES NOTES:

11. THE CONTRACTOR SHALL ALLOW FOR THE SUPPLY AND INSTALLATION OF ALL HEAT RECOVERY UNITS, DUCTWORK, SUPPORTS, INSULATION ETC. NECESSARY FOR THE BUILDING FOR THE SUCCESSFUL INSTALLATION OF THE VENTILATION SYSTEM AS INDICATED ON THE DRAWINGS.
12. FINAL LOCATION OF ALL TYPES OF PLANT/EQUIPMENT/FREWORK ROUTES, ETC. SHALL BE AGREED ON SITE WITH THE EMPLOYERS REPRESENTATIVE AND THE CLIENT.
13. REFER TO ALL OTHER DRAWINGS FOR SPECIFIC LAYOUT OF REQUIRED SERVICES THROUGHOUT THE BUILDING.
14. THE CONTRACTOR SHALL ALLOW FOR ALL NECESSARY LABOR, MEANS AND ATTENDANCES IN COMPLETING ALL THE VENTILATION WORKS AS INDICATED ON THE DRAWINGS AND SPECIFICATIONS.
15. FINAL LOCATIONS OF ALL DUCTS TO BE CO-ORDINATED ON SITE WITH LIGHTING LAYOUTS.
16. ALL DUCTWORK INDICATED ON THE DRAWINGS (STEEL & FRESH AIR) SHALL BE INSTALLED IN GALVANIZED SHEET METAL.
17. ALL BRISKS & CHANGES IN DIRECTION TO BE AS PER DM 144.
18. ALL DUCTING AND ASSOCIATED VENTILATION WORKS SHALL BE CARRIED OUT BY THE MECHANICAL CONTRACTOR.
19. ALL DUCTWORK LOCATED AT HIGH LEVEL, WITHIN ATTIC SPACE.

21. VENTILATION ACCESS PANELS WITH BOLL-TORN COVERS SHALL BE PROVIDED IN THE DUCTWORK TO PROVIDE ACCESS TO FIRE DAMPERS.
22. THE SATURATED AIR SYSTEM SHALL BE DESIGNED TO PROVIDE A MINIMUM OF 100% EXHAUST OF THE AIR FROM THE SYSTEM WITH A RESEALABLE LATCH AND LOCK MECHANISM AND VISUAL POSITION INDICATOR. THEY SHALL BE A MINIMUM OF 600MM BY 600MM.
23. THE CONTRACTOR SHALL ALLOW FOR THE COMMISSIONING AND BALANCING OF THE VENTILATION SYSTEMS IN THE BUILDING ONCE ALL THE DUCTWORK HAS BEEN COMPLETED AND INSTALLED.
24. THE CONTRACTOR SHALL PROVIDE ONE (1) FOLLOWING DUCTWORK TO BE INSTALLED IN THE RITC SPACE (REFER TO SPECIFICATION FOR DETAILS ON INSTALLATION)
 - ALL FRESH SUPPLY AIR DUCTWORK TO THE HEAT RECOVERY UNIT FROM EXTERNAL.
 - ALL EXHAUST AIR DUCTWORK FROM THE HEAT RECOVERY UNIT TO EXTERNAL.
 - ALL STIAL AIR DUCTWORK FROM THE HEAT RECOVERY UNIT TO EXTERNAL.

- [illegible]

T2	08.07.2026	J. MARTIN	G. BENNDORF		
T1	04.06.26	J. MARTIN	G. BENNDORF		
REV DATE		PREPARED BY/PROJECT ENGINEER	QUALITY CHECK BY:		

M&E CONSULTANT



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Drawing Status

Job title
CBS JAMES STREET,
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Drawing Title

NEW VENTILATION SERVICES
TO BE INSTALLED IN THE
SCIENCE ROOM.

Architectural

Architect
McLaughlin Architecture
Unit 4B, Elm House,
Millennium Park,
Naas, Co. Kildare

Drawing no: 57(M001)

Job No.	Drawn by:	Scale:	Rev.
26-028	J.M	1:50 on A1	T2