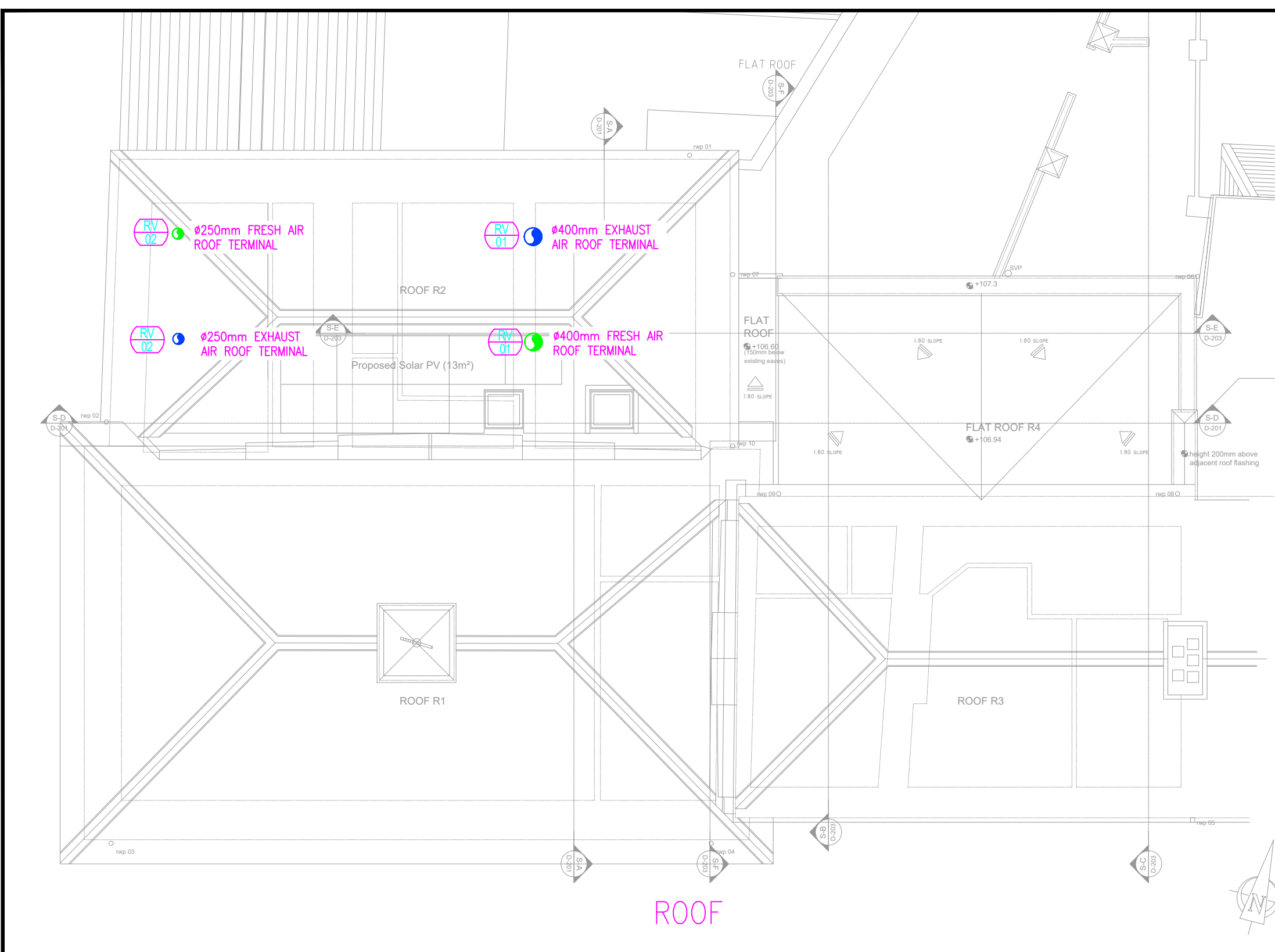
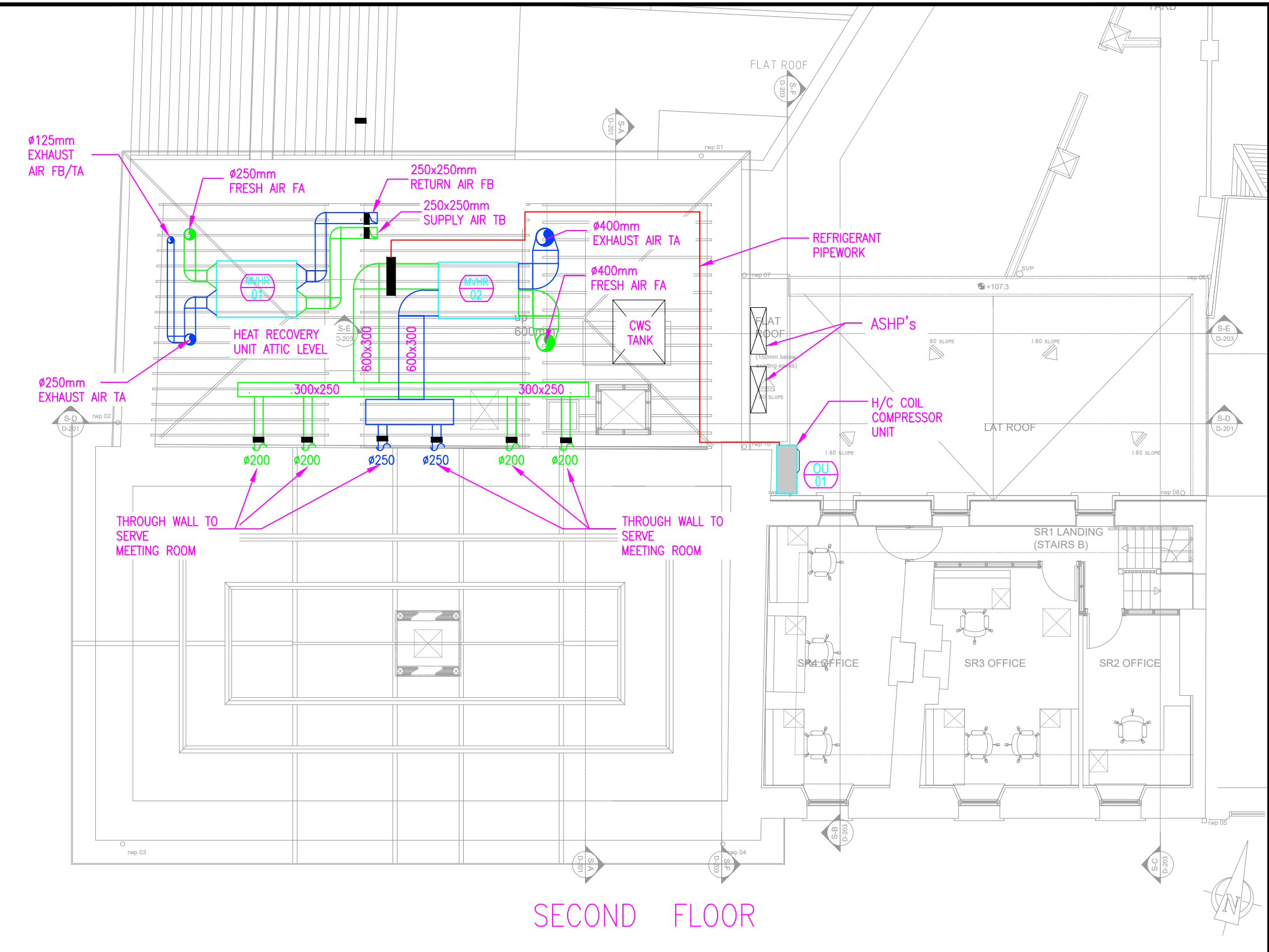
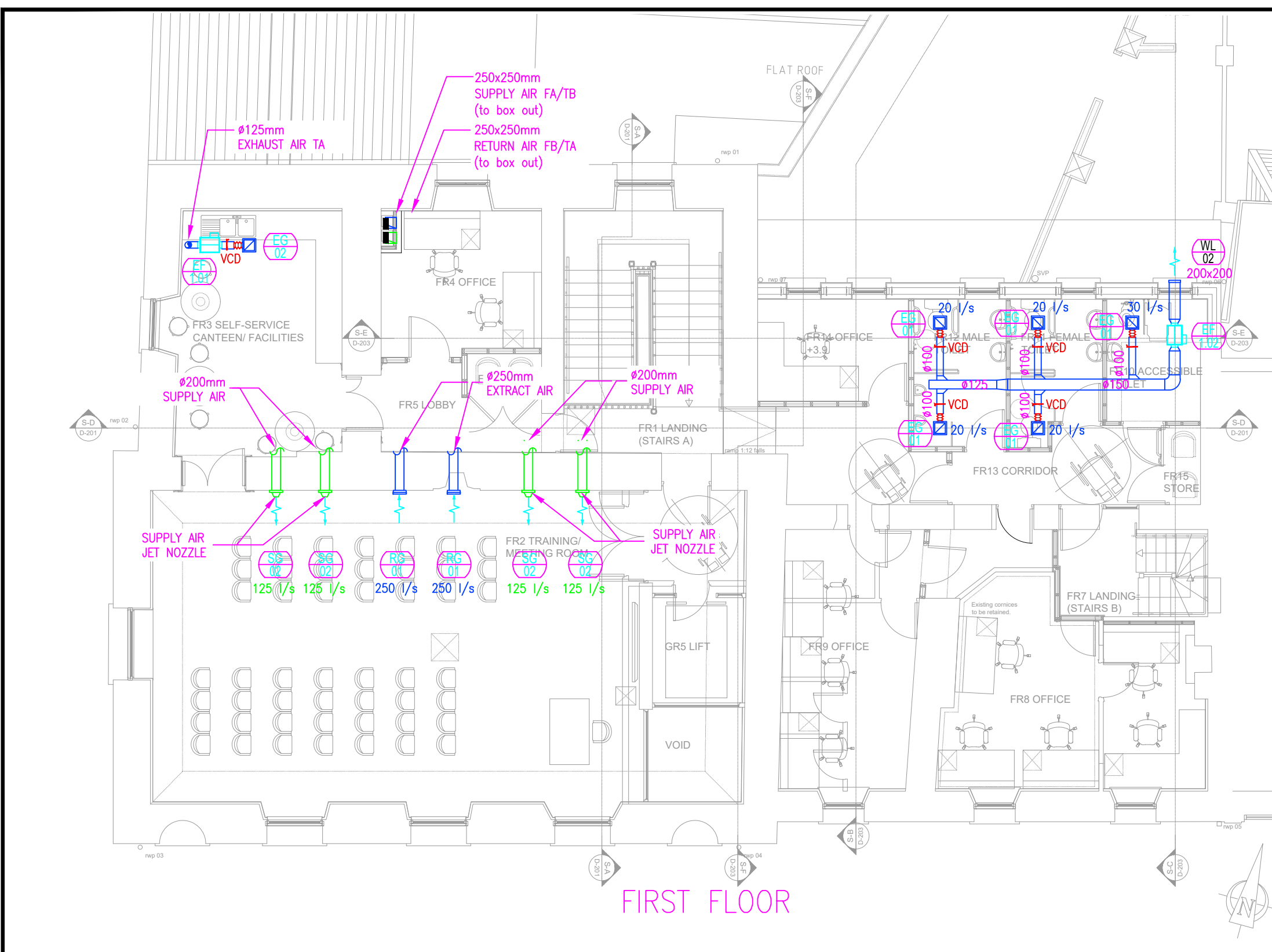
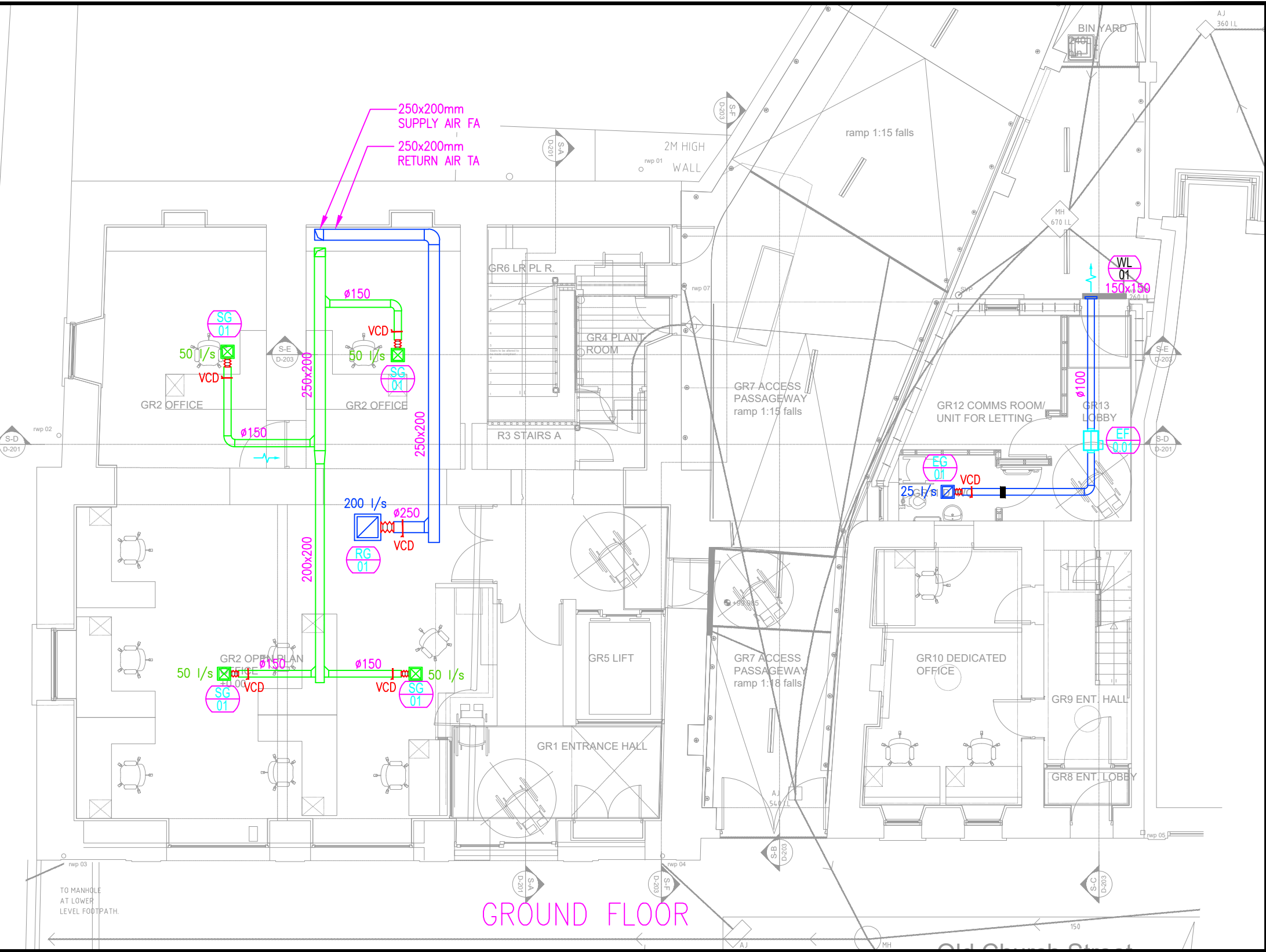
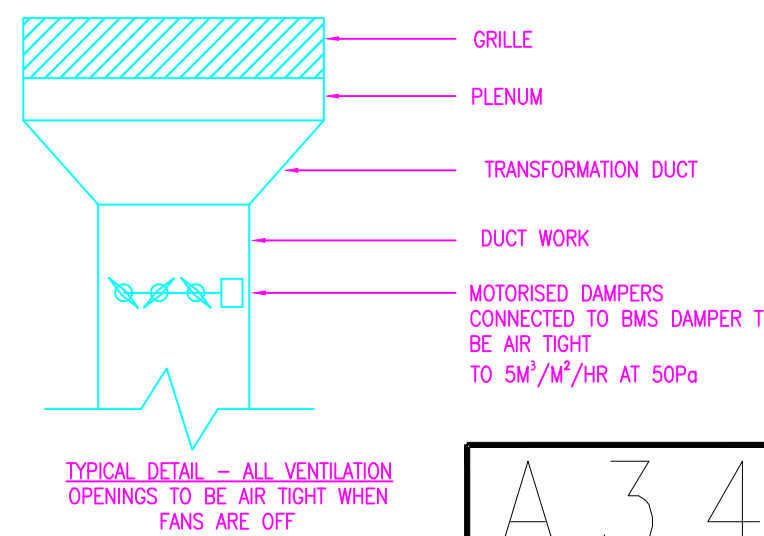




- LEGEND
- FIRE BLANKET
 - 5KG Co2
 - 2KG Co2
 - 5KG ABC DRY POWDER
 - 6 LITRE FOAM
 - 6 KG AUTOMATIC DRY POWDER
 - EXTRACT GRILLE REFERENCE
 - SUPPLY GRILLE REFERENCE
 - EXTRACT FAN REFERENCE
 - LOUVRE REFERENCE
 - SUPPLY GRILLE
 - EXTRACT GRILLE
 - RIISING DUCT
 - EXTRACT FAN (SEE DATA SHEETS)
 - FLEXIBLE DUCT
 - FIRE DAMPER (SEE DATA SHEETS)
 - VOLUME CONTROL DAMPER
 - PASSIVE INFRARED DETECTOR - LINKED TO FAN
 - CANOPY
 - T.A. TO ABOVE
 - FAN SPEED CONTROLLER

- NOTES:
- ALL FIRE DAMPERS/COLLARS TO BE IN ACCORDANCE WITH APPROVED ARCHITECTS FIRE SAFETY CERTIFICATE DRAWINGS.
 - ALL FIRE DAMPERS MUST BE CLASSIFIED ACCORDING TO LATEST ADDITION OF EN 13501-3 AND TESTED ACCORDING TO THE LATEST ADDITION OF EN 1366-2, AS REQUIRED BY THE CE MARK. PERFORMANCE OF DAMPER IN THESE TESTS MUST BE CLEARLY DISPLAYED ON THE PRODUCT.
 - THE MECHANICAL CONTRACTOR SHALL ENSURE THAT ALL DUCTWORK SUPPLIED AND INSTALLED UNDER THE MECHANICAL CONTRACT COMPLIES WITH DW144.
 - THE MECHANICAL CONTRACTOR SHALL ALLOW FOR ALL DUCT TRANSITIONS REQUIRED FOR CONNECTION TO FANS, ROOF COWLS ETC.
 - UNLESS OTHERWISE STATED THE MECHANICAL CONTRACTOR SHALL SUPPLY AND INSTALL ALL DUCTWORK, FANS, ETC. UNDER THE MECHANICAL CONTRACT.
 - EXACT LOCATION OF EACH FIRE EXTINGUISHER AND SIGNAGE TO BE AGREED ON SITE WITH THE CONSULTANT ENGINEER AND ARCHITECT PRIOR TO INSTALLATION.
 - THE MECHANICAL CONTRACTOR SHALL SUPPLY AND INSTALL ALL FIXINGS DEEMED NECESSARY BY THE ENGINEER TO PROPERLY SECURE EACH EXTINGUISHER TO THE WALL OR FLOOR ETC.
 - ALL EXTERNAL LOUVRES SHALL BE MANUFACTURED FROM ANODISED ALUMINIUM.
 - THE EXTRACT FANS SERVING THE TOILETS AREAS ARE TO BE ACTIVATED BY OCCUPANCY SENSORS, 5 MINUTE RUN-ON TIMER EXCEPT WHERE TOILET IS INTERNAL IN WHICH CASE THEY SHALL BE 15 MINUTE RUN-ON & HAVE OVER RIDING LOCAL SWITCHES LOCATED OVER LIGHT SWITCHES.
 - ALL EXTRACT FANS TO HAVE DAMPERS WHICH SHUT OFF WHEN THE FAN IS NOT IN USE. NON-RETURN BACKDRAUGHT DAMPERS TO BE PROVIDED ON ALL DUCTS 150mm OR LESS IN DIAMETER, MOTORISED DAMPERS ON LARGER DUCTS.
 - THE CONTRACTOR SHALL ENSURE ALL SERVICES ARE CO-ORDINATED.
 - THE MECHANICAL CONTRACTOR SHALL SUPPLY ALL INSTRUMENTS, TOOLS AND DEVICES NECESSARY FOR THE TESTING OF DUCTWORK SYSTEM. THE CONTRACTOR SHALL BE RESPONSIBLE FOR CARRYING OUT ALL TESTS. ALL DUCTING AIR LEAKAGE TESTING SHALL BE IN ACCORDANCE WITH THE CURRENT EDITION OF HVCA DW144.
 - VENTILATION DUCTWORK SHALL BE COMMISSIONED IN ACCORDANCE WITH CIBSE SERIES 'A' FOR AIR SYSTEMS. TEST HOLES FOR INSTRUMENTS SHALL BE PROVIDED IN THE LOCATIONS, WHERE FAN DUTIES ARE TO BE TESTED, AND PERFORMANCE OF REGULATING DAMPERS IS TO BE ASSESSED. ALL TEST HOLES SHALL BE 25mm DIAMETER AND PROVIDED WITH AN EFFECTIVE SEAL. ALL DUCTING TEST HOLES ARE TO BE SEALED WITH RUBBER GROMMETS WHEN ALL COMMISSIONING IS COMPLETE AND VERIFIED.
 - ALL INTERNAL SURFACES OF DUCTING MUST BE CLEAN ON DELIVERY TO THE SITE AND MUST BE MAINTAINED CLEAN DURING AND AFTER INSTALLATION. THE MECHANICAL CONTRACTOR IS RESPONSIBLE FOR KEEPING THE DUCTING SYSTEM CLEAN, FREE FROM GRIT, GREASE ETC.; IF DUCTING IS FOUND TO BE UNCLEAN THEN THE MECHANICAL CONTRACTOR WILL BE RESPONSIBLE FOR CLEANING OUT SUCH DUCTWORK.
 - ALL DUCTED SERVICES SHALL BE LABELLED CLEARLY WITH COLOUR CODED BANDS WHICH IDENTIFIES CONTENT, FUNCTION, DESTINATION, SOURCE OF SUPPLY AND FLOW DIRECTION. ALL PLANT ITEMS SHALL BE CLEARLY LABELLED WITH WHITE TRAFFOLITE LABELS.
 - THE CONTRACTOR IS TO ALLOW FOR THE SUPPLY AND INSTALLATION OF WALL BRACKETS FOR MOUNTING OF PORTABLE FIRE EXTINGUISHERS AND FIRE BLANKETS. IDENTIFICATION PLATES ALSO TO BE PROVIDED IN ACCORDANCE TO I.S. 291.
 - FIRE EXTINGUISHERS SHOULD BE LOCATED IN ACCORDANCE WITH IS291 AND THEIR INSTALLATION SHOULD BE CERTIFIED.
 - THE MECHANICAL CONTRACTOR IS TO ALLOW FOR THE SUPPLY AND INSTALLATION OF WALL BRACKETS FOR MOUNTING OF PORTABLE FIRE EXTINGUISHERS AND FIRE BLANKETS IDENTIFICATION PLATES ALSO TO BE PROVIDED.



- NOTES:
- GENERAL NOTES:
- THIS DRAWING TO BE READ IN CONJUNCTION WITH ALL RELEVANT ARCHITECTS, C&S ENGINEERS DRAWINGS & SPECIFICATIONS.
 - ALL WORKS TO BE CARRIED OUT IN ACCORDANCE WITH THE RELEVANT BUILDING REGULATIONS.
 - DO NOT SCALE - WORK TO FIGURE DIMENSIONS ONLY.



Referenced drawings	
Dwg No.	Dwg Title

Issue register				
Rev.	Date	Description	Dwn.	Chkd.
T1	06/03/26	TENDER	PP	PP
T1	18/03/26	TENDER UPDATED	AH	PP
T1	01/04/26	TENDER UPDATED	PP	PP

Client: TIPPERARY COUNTY COUNCIL		
Job Description: CAHIR DIGITAL HUB		
Status: TENDER		
Drawing Title: VENTILATION SERVICES LAYOUT		
Project No: 21ME006	Drawing Ref: M-200	Rev: T1
Date: 06/03/26	Scale: 1:100 @ A1 (1:200@A3)	
Drawn By: AH	Checked By: PP	Approved By: PP

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Scale 1:100 @ A1 (1:200@A3)