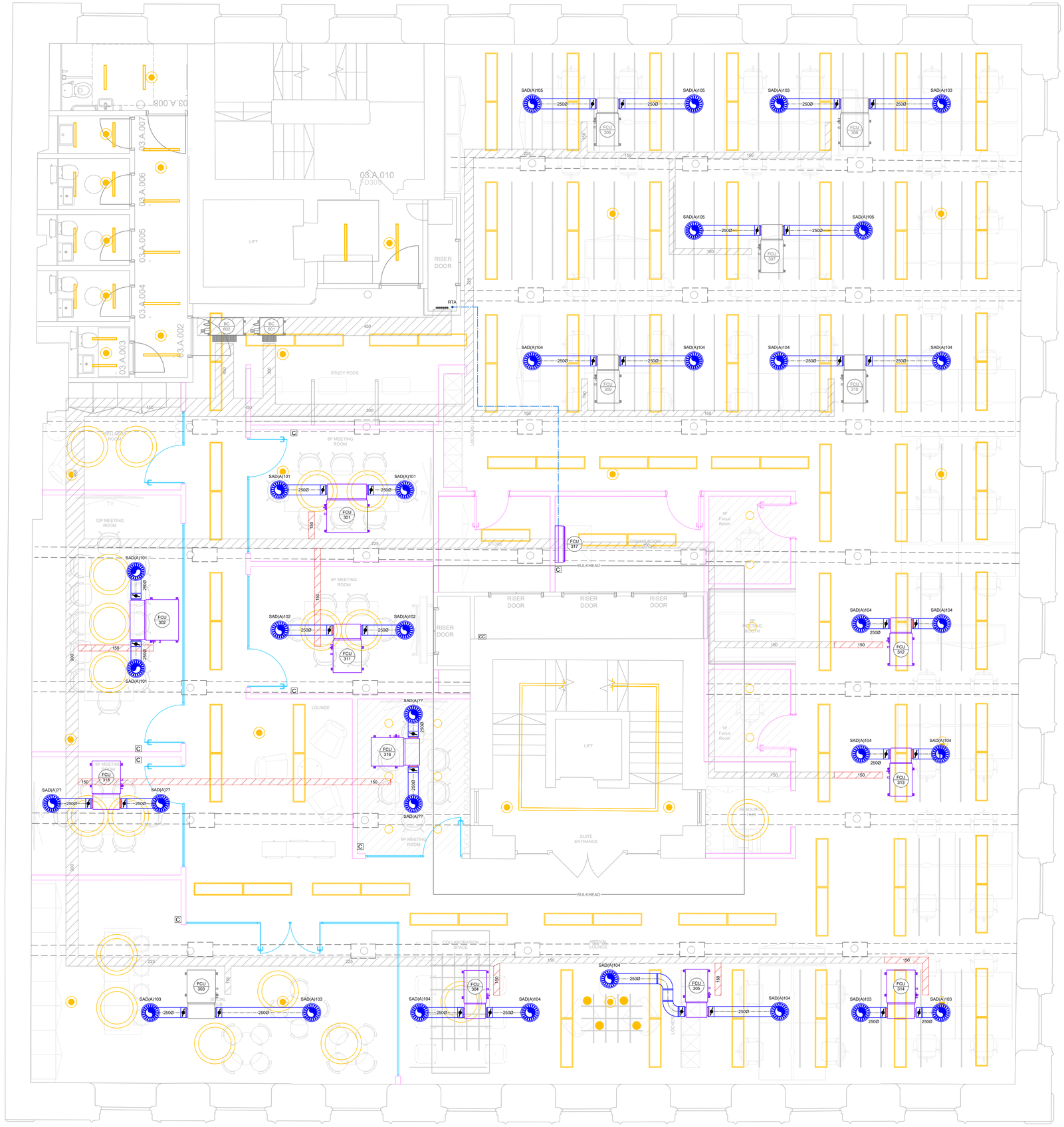
1:100 0 2m 4m 6m 8m 10m




VENTILATION NOTES:

1. BEFORE COMMENCEMENT OF WORK ASSOCIATED WITH THIS DRAWING REFER TO THE APPROPRIATE METHOD STATEMENTS AND RISK ASSESSMENTS.
2. THIS DRAWING SHALL BE READ IN CONJUNCTION WITH ALL OTHER RELEVANT PROJECT DOCUMENTATION.
3. DO NOT SCALE FROM THIS DRAWING. USE FIGURED DIMENSIONS ONLY UNLESS OTHERWISE STATED. ALL DIMENSIONS ARE GIVEN IN MILLIMETERS OR METERS. ALL DIMENSIONS TO BE CHECKED ON SITE BY INSTALLERS PRIOR TO COMMENCEMENT OF WORKS.
4. ALL FIXINGS, SUPPORTS & GUIDES ARE TO BE APPROVED BY THE MAIN CONTRACTOR, PRIOR TO INSTALLATION AS PER THE MANUFACTURED GUIDANCE.
5. ALL DUCTWORK SHALL BE MANUFACTURED, INSTALLED, TESTED & COMMISSIONED IN STRICT ACCORDANCE WITH DW144, DW143, DW151, DW171, DWTM2, DWTM3, TR/17 & CIBSE COMMISSIONING CODES.
6. ACCESS DOORS SHALL BE PROVIDED ADJACENT ALL FIRE DAMPERS, VOLUME CONTROL DAMPERS AND HEATER BATTERIES, EITHER SIDE OF AIR TURNS & AT LEAST 4M INTERVALS ON DUCT ROUTES.
7. ALL DUCT RUNS & DIFFUSER POSITIONS MUST BE CHECKED & SET OUT AGAINST FULLY DETAILED CEILING AND FLOOR LAYOUTS, STRUCTURAL ENGINEERING & ELECTRICAL SERVICE DRAWINGS. ALL DIMENSIONS MUST BE CHECKED OUT ON SITE PRIOR TO THE INSTALLATION BEING EXECUTED.
8. ALL SUPPLY AIR (AND EXTRACT WHERE ON A HEAT RECOVERY SYSTEM) DUCTWORK WITHIN RISERS AND PLANT SPACES AND CEILING VOIDS TO BE INSULATED. INTAKE AND EXHAUST DUCTWORK TO BE INSULATED AND VAPOUR SEALED AGAINST CONDENSATION WHERE LOCATED IN HEATED / INTERNAL SPACES.
9. ALL BRANCH CONNECTIONS SHALL BE PROVIDED WITH VCDS TO FACILITATE BALANCING IN ACCORDANCE WITH ALL RELEVANT CIBSE CODES AND GOOD PRACTICES.
10. ALL LOUVRES AND ROOF COWLS SHALL BE FITTED WITH BIRD MESH AND INSECT SCREENS UNLESS OTHERWISE SPECIFIED.
11. FIRE DAMPERS TO BE COMPLETE WITH BUILT-IN FRAMES FOR FIXING TO THE BUILDING STRUCTURE AS REQUIRED, IN ACCORDANCE WITH THE CURRENT ARCHITECTS FIRE STRATEGY DRAWINGS.
12. ALL DOOR TRANSFER GRILLES AND DOOR UNDERCUTS TO BE PROVIDED AS NECESSARY FOR VENTILATION RETURN AIR PATH. THE CONTRACTOR WILL NEED TO TAKE IN CONSIDERATION OF ACOUSTIC AND FIRE STRATEGY REPORT TO SATISFY ALL REQUIREMENTS.
13. ALL DUCTWORK TO BE OF GALVANISED STEEL CONSTRUCTION.
14. FLEXIBLE VENTILATION DUCTWORK SHALL ONLY BE USED FOR THE FINAL CONNECTIONS TO GRILLES. ALL EXCESS FLEXIBLE DUCTWORK SHALL BE CUT BACK TO A MINIMUM OF 500mm WHEN MAKING FINAL CONNECTIONS.
15. ALL FANS AND VENTILATION UNITS SHALL BE INSTALLED WITHIN ACCESSIBLE LOCATIONS WITH DUE REGARD TO THE MANUFACTURER'S MAINTENANCE SPACE RECOMMENDATIONS.
16. AS PER DW144 ALL PLENUM BOXES AND AIR TERMINALS SHALL BE INDEPENDENTLY SUPPORTED DIRECT TO SOFFIT.
17. ALL ROOF EQUIPMENT TO BE INSTALLED ON BIGFOOT SYSTEM ISOLATED FROM ROOF STRUCTURE.

HVAC LEGEND:

- SQUARE DIFFUSER
- EGGCRATE GRILLE
- SWIRL GRILLE
- CIRCULAR SWIRL GRILLE
- CIRCULAR AIR VALVE
- LINEAR DIFFUSER
- BELLMOUTH
- SPIRAL DUCTWORK
- RECTANGULAR DUCTWORK
- EXTERNAL LOUVRE
- DOOR UNDERCUT
- FIRE DAMPER
- DTB / RTA & DTLL / RTHL
- DTB / RTA & DTLL / RTHL
- VOLUME CONTROL DAMPER
- ATTENUATOR
- AC CONTROLLER
- CENTRAL CONTROLLER
- FAN CONTROLLER
- ACCESS HATCH
- IN LINE FAN
- HEAT RECOVERY UNIT
- FAN COIL UNIT
- AC CASSETTE
- WALL MOUNTED FAN COIL
- OUTDOOR CONDENSING UNIT
- BRANCH CONTROLLER
- ELECTRIC HEATER BATTERY
- PANEL HEATER / RADIATOR
- PIPEWORK CONTAINMENT
- BUILDERSWORK PENETRATION

LINETYPES:

- PRIMARY SUPPLY
- RETURN / EXTRACT
- SECONDARY SUPPLY
- DIRTY EXTRACT
- EXISTING
- STRIP-OUT / RELOCATE

| REV | DESCRIPTION | DATE |
|---|---|---|
| P01 | PRELIMINARY ISSUE. | 31.10.2025 |
| P02 | FCU REFERENCES CHANGED. | 21.11.2025 |
| P03 | SOCIAL HUB ROOM UPDATED ON GA & CONTROLLER MOVED. | 24.11.2025 |
| P04 | NEW LIGHTING LAYOUT ADDED & x1 WALL MOUNT REMOVED. | 25.11.2025 |
| P05 | NEW LIGHTING LAYOUT ADDED. | 10.12.2025 |

DRAWING STATUS

PRELIMINARY


CubicWorks
2nd Floor ll Spinnaker Court ll 31 Broadway
Manchester M50 2YR


| | |
|---|---|
| PROJECT MANAGER: - | DESIGN: LIAM CRORKEN |
| SCALE @A1: 1:100 | DRAWN BY: LIAM CRORKEN |
| DATE: 31.10.2025 | |

PROJECT

FREE TRADE
FREE TRADE HALL
PETER STREET
MANCHESTER
M2 5GB

DRAWING TITLE

THIRD FLOOR
AIR CONDITIONING LAYOUT

| DRAWING NO. | REV |
|---|---|
| 0000-CUB-XX-03-DR-M-5501 | P05 |