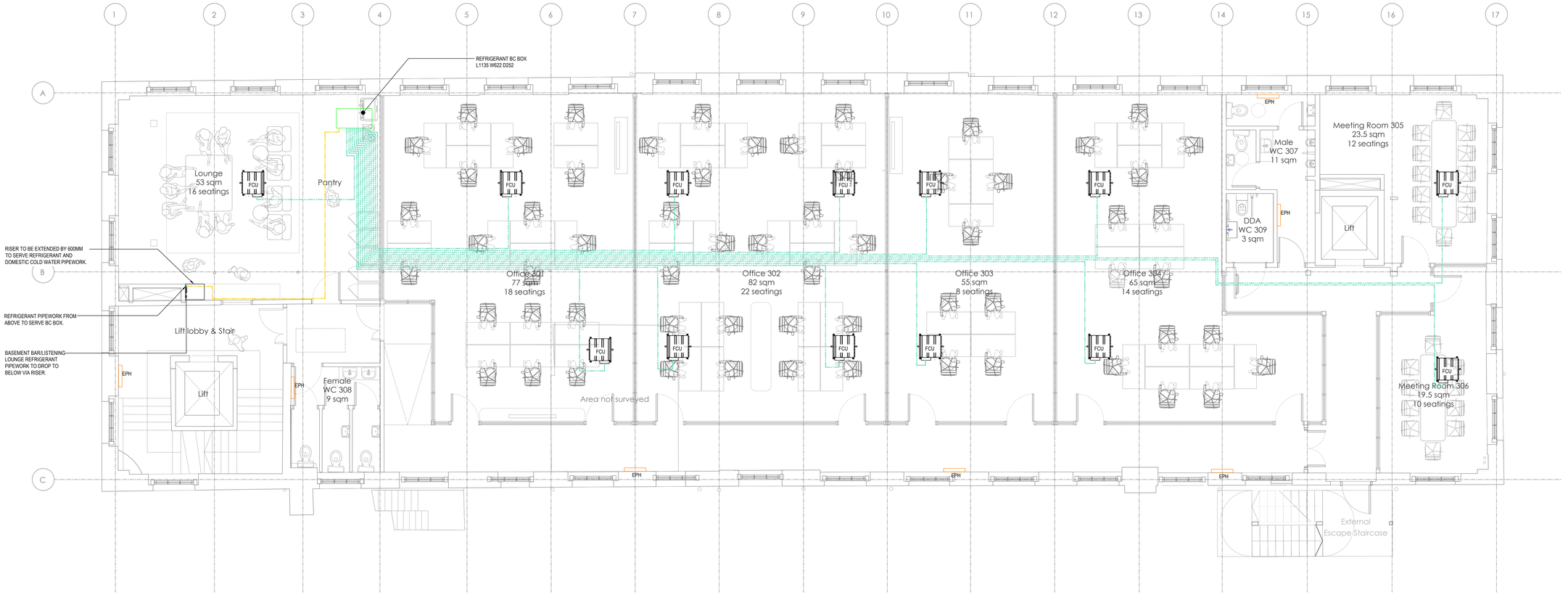


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CDM REGULATIONS 2015
SIGNIFICANT OR NON-OBVIOUS RISKS AND RISKS WHICH ARE DIFFICULT TO MANAGE ARE IDENTIFIED ON THIS DRAWING USING THE FOLLOWING SYMBOL, IDENTIFIED TO THE RIGHT WITH BRIEF ACCOMPANYING TEXT. FOR FURTHER DETAILS OF THE RISKS IDENTIFIED BY DESIGNERS, REFERENCE SHOULD BE MADE TO CDM HAZARD REGISTER.

LEGEND

- PRIMARY HEATING & COOLING REFRIGERANT PIPEWORK
- SECONDARY HEATING & COOLING REFRIGERANT PIPEWORK
- H/L FAN COIL UNIT (FCU)
- FCU — FLOOR MOUNTED FAN COIL UNIT (FCU)
- ELECTRIC PANEL HEATER (EPH)
- MECHANICAL VENTILATION WITH HEAT RECOVERY UNIT (MVHR)
- BRANCH CONTROLLER BOX (BC BOX)
- COOLING WALL MOUNTED UNITED

GENERAL NOTES

1. DO NOT SCALE FROM THIS DRAWING.
2. THE ENGINEERING SERVICES INSTALLATIONS SHALL BE IN COMPLIANCE WITH THE CURRENT BUILDING REGULATION STANDARDS (ENGLAND).
3. THIS DRAWING IS TO BE READ IN CONJUNCTION WITH ALL OTHER PROJECT DRAWINGS, SCHEMATICS & SCHEDULES TO ENSURE EFFECTIVE COORDINATION.
4. LAYOUTS ARE INTENDED TO BE USED AS A GUIDE ONLY & DO NOT SHOW ALL SYSTEM COMPONENTS, REFER TO SCHEMATIC (WHERE PROVIDED) FOR FULL DETAILS WHERE APPROPRIATE.
5. ALL FITTINGS, PLANT & EQUIPMENT TO BE INSTALLED, REGULATED & TESTED IN ACCORDANCE WITH THE MANUFACTURER'S PRINTED INSTRUCTIONS.
6. SERVICES REQUIRING ACCESS FOR COMMISSIONING OR MAINTENANCE PURPOSES WILL HAVE ADEQUATE ACCESS WITHIN THE CEILING.
7. ALL PENETRATIONS THROUGH FIRE COMPARTMENT LINES ARE TO BE FIRE STOPPED.
8. DRAINCOCKS ARE TO BE FITTED AT ALL SYSTEM LOW POINTS AND AIR VENTS TO BE FITTED AT ALL SYSTEM HIGH POINTS.
9. ALL PIPEWORK TO BE INSULATED. EXPOSED PIPEWORK TO BE BOXED IN.
10. ALL BRANCH PIPEWORK TO BE PROVIDED WITH ISOLATION VALVES.
11. REFRIGERANT PIPEWORK SHALL BE INSTALLED WITH SLIP ON CLOSE CELL ELASTOMERIC PIPE INSULATION WITH FIRE PERFORMANCE CLASS.
12. FIXING OF ALL AIR CONDITIONING EQUIPMENT, INSTALL OF ALL REFRIGERATION PIPEWORK, AND THE COMMISSIONING OF THE SYTEMS SHALL BE PERFORMED BY A SPECIALIST.
13. THE REQUIREMENT OF THE REFRIGERATION PIPEWORK SHALL COMPLY WITH BSEN378.
14. THE CONTRACTOR SHALL ALLOW FOR ALL CONTROL WIRING ASSOCIATED WITH THE INSTALLATION.
15. GRAVITY CONDENSATE DRAIN SHOULD BE USED WHERE POSSIBLE.
16. THE CONTRACTOR SHALL ARRANGE FOR THE COMMISSIONING OF THE SYSTEMS TO BE INSPECTED BY THE MANUFACTURER.
17. AIR VENTS AND DRAIN POINTS SHALL BE INSTALLED AT ALL HIGH AND LOW POINTS.
18. ALL HTG AND REFRIGERANT PIPEWORK SHALL BE INSULATED.
19. ALL COLD WATER SERVICES PIPEWORK SHALL BE TRACE HEATED.

REV	DESCRIPTION	DATE	BY	CHKD
P04	STAGE 3 ISSUE - H&C PIPEWORK ROUTE AMENDED	04/06/2026	FC	MB
P03	STAGE 3 ISSUE - FCU ADDED	03/06/2026	FC	MB
P02	STAGE 3 ISSUE-UPDATED ARCHITECTS GA'S	26/05/2026	FC	MB
P01	STAGE 3 ISSUE	22/05/2026	FC	MB

ORIGINATOR www.ridge.co.uk

RIDGE

PROJECT NUMBER:

CLIENT:
MAKE DEVELOPMENTS

IN ASSOCIATION WITH:

PROJECT:
MARLSBRO HOUSE
MANCHESTER

TITLE:
MECHANICAL SERVICES
HEATING & COOLING LAYOUT
THIRD FLOOR

DRAWN BY: F.C. CHECKED BY: MB APPROVED BY: -

SCALE: 1:50 @ A0 DATE: 22/05/2026

STATUS: DESCRIPTION:
S3 SUITABLE FOR REVIEW/COMMENT

DRAWING No.: 5031691-RDG-XX-03-D-M-560000.dwg

PROJECT:	ORG	FUNCTION:	SPATIAL:	FORM:	DISCIPLINE:	NUMBER:	REV:
5031691	RDG	XX	03	D	M	560000	P04

0.5 0 0.5 1 1.5 2 2.5 m
SCALE 1:50