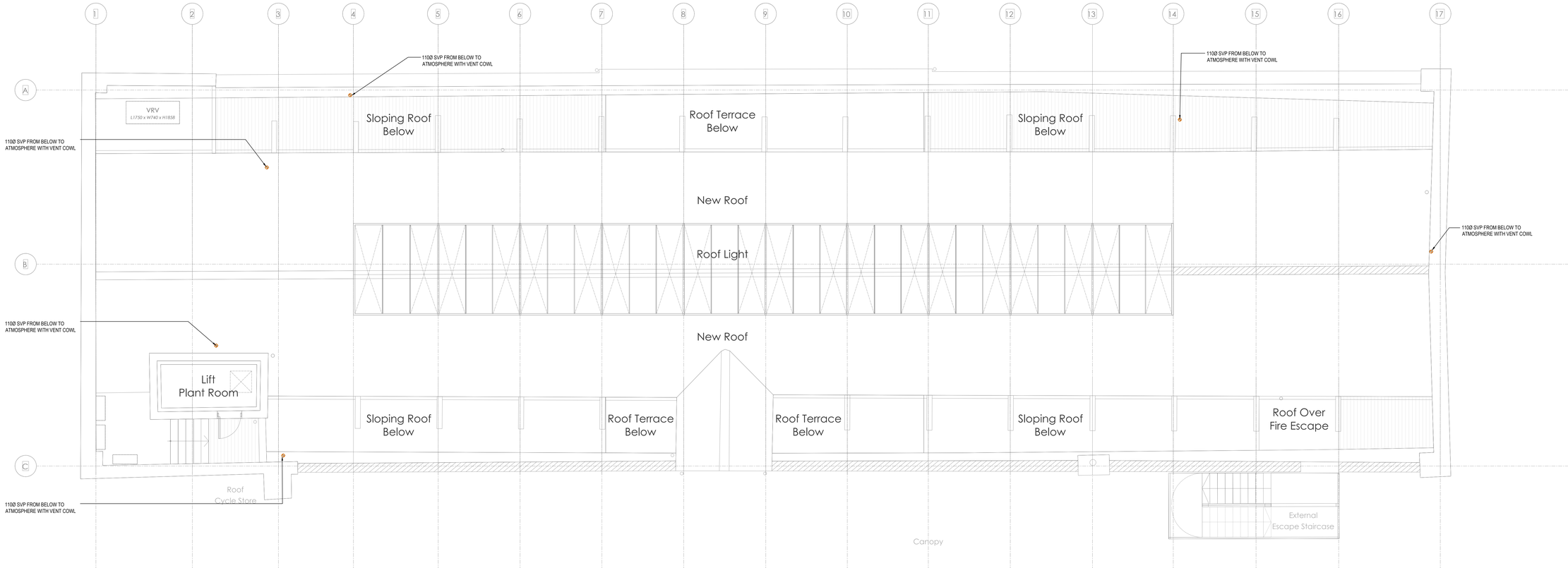



**LEGEND**

- SOIL PIPEWORK
- CONDENSATE PIPEWORK
- DRY RISER PIPEWORK

SVP SOIL & VENT PIPE
WVP WASTE AND VENT PIPE
VP VENT PIPE
RFB RISE FROM BELOW
RTA RISE TO ABOVE
DFA DROP FROM ABOVE
DTB DROP FROM BELOW
DTLL DROP TO LOW LEVEL
FG FLOOR GULLY
RE RODDING EYE
SS STUB STACK
AAV AIR ADMITTANCE VALVE

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DRAWING NOTES:

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.

ABOVE GROUND DRAINAGE GENERAL NOTES

1. ALL SVP TO BE 110oId UPVC, UNLESS OTHERWISE STATED.
2. THIS DRAWING SHALL BE READ IN CONJUNCTION WITH ANY RELEVANT STRUCTURAL, ARCHITECTURAL AND CONSULTANTS DRAWINGS. DO NOT SCALE FROM THIS DRAWING.
3. ALL DIMENSIONS STATED IN mm.
4. ALL SINGLE WHB STUB STACKS TO BE 500 WASTED, WITH 32Ø WASTE TRAPS.
5. ALL WC MANIFOLD SOIL PIPES C/W UP TURNED RODDING ARMS.
6. ALL CONDENSATE WASTE PIPE CONNECTIONS TO STACKS VIA HIGH LEVEL BOSS CONNECTIONS SERVING HEAT PUMPS AND HRUs CONDENSATE DRAINAGE TUNDISH AND SUITABLY SIZED WASTE VALVE.
9. ALL HEAT PUMP AND HRU CONDENSATE DRAINS TO BE INSTALLED IN 40Ø PIPEWORK.
10. ALL SVP PIPE TERMINATION THROUGH ROOF STRUCTURE SHALL FITTED WITH WEATHERING APRON AND VENT COWLS
11. ALL STUB STACKS SHALL BE 110mmØ C/W AAAV
12. ALL VERTICAL DROPS ARE 110mm UPVC

GENERAL NOTES:

1. THIS DRAWING SHALL BE READ IN CONJUNCTION WITH ANY RELEVANT STRUCTURAL, ARCHITECTURAL AND CONSULTANTS DRAWINGS.
2. THIS DRAWING SHALL BE READ IN CONJUNCTION WITH THE SERVICES DRAWINGS
3. DO NOT SCALE FROM THIS DRAWING.
4. ALL DIMENSIONS STATED IN mm.
5. ABOVE GROUND DRAINAGE SOIL, VENT AND WASTE VENT PIPE SHALL BE CARRIED OUT IN PVC TO BS5252-10427, 100 SERIES SOLVENT WELD PIPE AND FITTINGS TO BS EN 1329-1:2000 KITEMARK CERTIFIED.
6. WASTE PIPEWORK AND FITTINGS SHALL BE CARRIED OUT IN PVC TO BS EN 1566- 1:2000 200 SERIES SOLVENT WELD PIPE AND FITTING KITEMARK CERTIFIED.
7. PLASTIC PIPEWORK AND FITTING JOINTING SHALL BE GENERALLY SOLVENT WELD WITH RING SEAL JOINTS TO ACCOMODATE EXPANSION.
8. TRAP AND PAN CONNECTOR SHALL BE TO BS 3943 KITEMARKS CERTIFIED, SERIES 400.
9. THE INSTALLATION SHALL CONFORM TO BS EN 12056 PART 1 TO 5, BUILDING REGULATION APPROVED DOCUMENT AND THE LOCAL AUTHORITY BUILDING CONTROL OFFICER.
10. PVC PIPEWORK PASSING THROUGH WALLS OR SLABS SHALL BE SLEEVED AND SEALED.
11. THE INSTALLATION WHERE SUSPENDED IN CEILING VOID SHALL BE FRAMED WITH 25mm THICK FOIL FACED INSULATION FOR THE PREVENTION OF CONDENSATION AND NOISE BREAK OUT.
12. M/E/P SUB-CONTRACTOR TO CO-ORDINATE ALL FINAL ABOVE GROUND DRAINAGE CONNECTIONS BETWEEN FF&E ITEMS AND DRAIN STACKS.
13. FOR DETAILS OF RAIN WATER OUTLETS SEE ARCHITECTS DRAWINGS.
14. ALL SVP's FITTED WITH ACCESS DOOR 1100mm ABOVE FFL, ALL STACKS ALL LEVELS.
15. THE ARCHITECT TO CONFIRM ALL STACK RISER POSITIONS AND PROVIDED BOXING DETAILS AS NECESSARY.
16. ALL PLASTIC 500 AND ABOVE TO BE FITTED WITH FIRE COLLAR AT ALL FIRE COMPARTMENT WALLS AND FLOORS.
17. THERMAL STRESS RELIEF UNITS AND NECESSARY ANCHORS MUST BE PROVIDED IN ACCORDANCE WITH MANUFACTURERS RECOMMENDATIONS.
18. MEP CONTRACTOR TO CO-ORDINATE ALL RISER POSITIONS AND REQUIREMENTS WITH ARCHITECT AND STRUCTURAL ENGINEERS.
19. MEP CONTRACTOR TO CO-ORDINATE ALL ACCESS REQUIREMENTS THROUGH CEILINGS, BULKHEADS ETC., WITH ARCHITECT BASED ON INSTALLATION DRAWINGS.
20. ALL 40Ø CONDENSE WASTE PIPES SERVING HRUs, WHICH CONNECT TO SVP STACKS / AND WASTE STACKS SHALL BE VIA BOSS CONNECTION, TUNDISH & WASTE VALVE ARRANGEMENT.
21. ALL SERVICES LAYOUTS ARE INDICATIVE ONLY, TO REPRESENT THE DESIGN PRINCIPLES. THE MEP CONTRACTOR SHALL IN CONJUNCTION WITH THE ARCHITECT & CONSULTANT TO DETERMINE ALL FINAL ROOM LAYOUTS AND FF&E REQUIREMENTS AND INCORPORATE WITHIN THEIR FINAL DESIGN
22. ANY DRAINAGE PIPEWORK ON SHOW SHALL BE WHITE IN COLOUR.
23. ALL ABOVE GROUND DRAINAGE WILL BE INSULATED FOR REDUCTION IN SOUND BREAKOUT NOISE.
24. EACH VERTICAL STACK WILL BE FITTED WITH AN EXPANSION JOINT TO ALLOW FOR PIPEWORK EXPANSION.
25. ALL VRV AIR CONDITIONING UNITS TO BE FITTED WITH HEPZO VALVES.
26. CONDENSATE DRAINAGE TO BC BOXES. FAN COIL UNITS ETC TO BE DEVELOPED BY THE CONTRACTOR.
27. KITCHEN DRAINAGE POINTS AND POSITIONS TO BE CORDINATED ONCE KITCHEN LAYOUT IS CONFIRMED

| REV | DESCRIPTION | DATE | BY | CHKD |
|---|---|---|---|---|
| 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
DRY RISER & DRAINAGE LAYOUT
ROOF LEVEL

DRAWN BY: F.C. CHECKED BY: M.B APPROVED BY: -

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

STATUS: DESCRIPTION:
S3 SUITABLE FOR REVIEW/COMMENT

DRAWING No: 5031691-RDG-XX-RF-D-M-520000.dwg

| PROJECT: | ORG | FUNCTION | SPATIAL | FORM | DISCIPLINE | NUMBER | REV |
|---|---|---|---|---|---|---|---|
| 5031691 | RDG | XX | RF | D | M | 520000 | P02 |

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SCALE 1:50