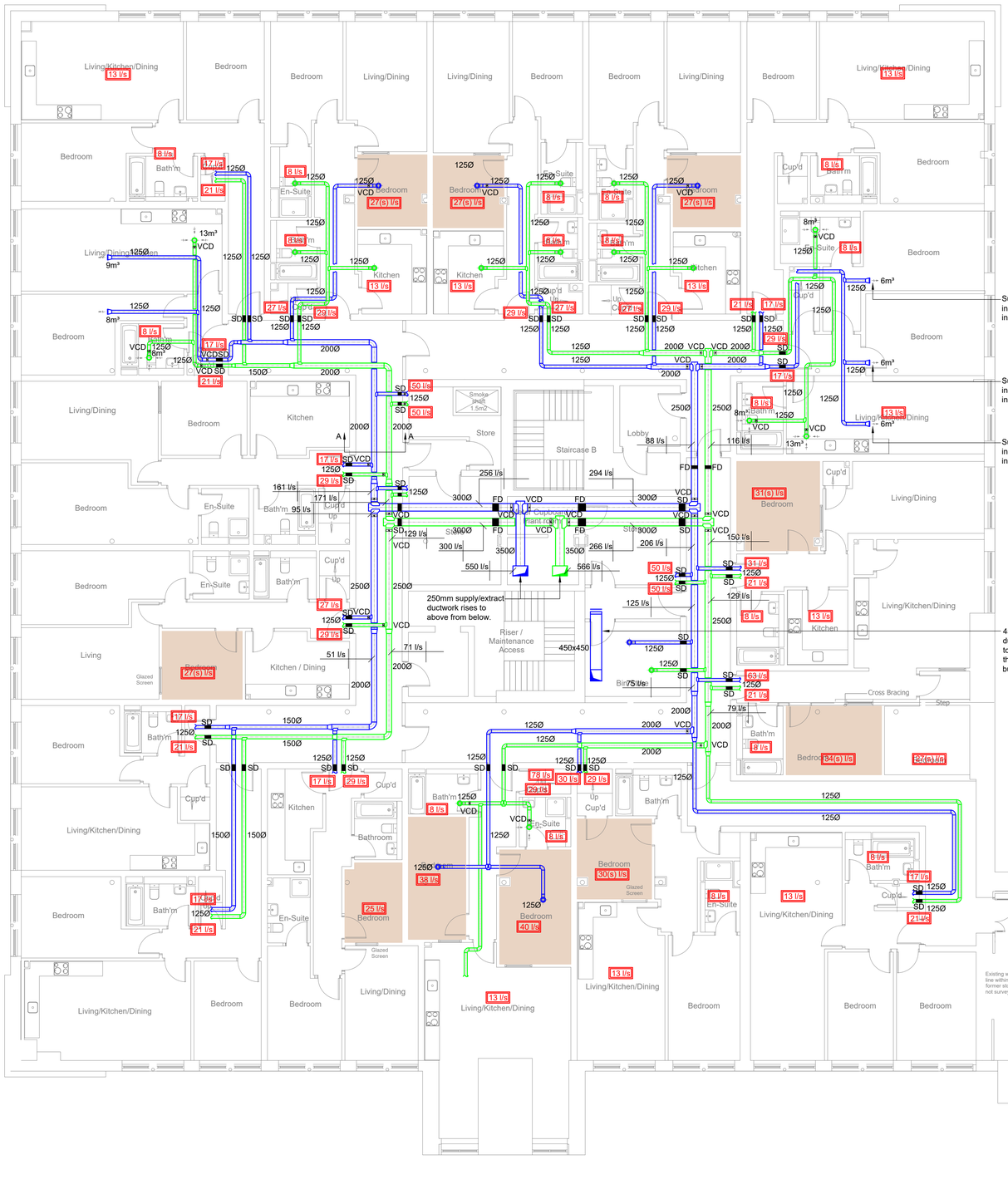
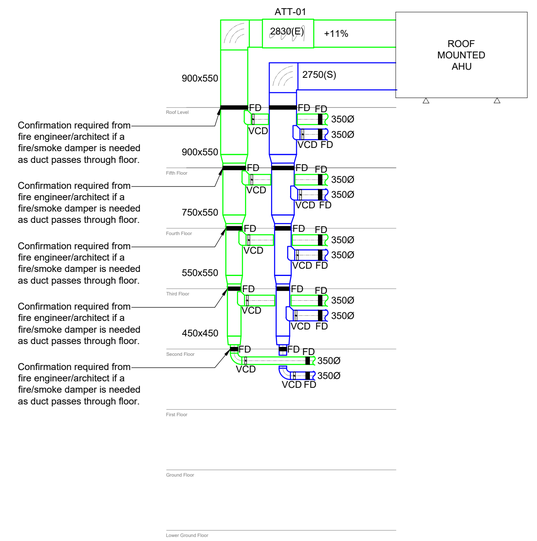
| Job No. | Drawing No. | Rev |
|---|---|---|
| PA1484 | VMM-TCE-XX-05-DR-M-57001 | C3 |




Ventilation Riser Detail

AHU - 3.11m³/SE 3.02m³/s (S) 600pa Ext air off 21° deg C recuperator or thermal wheel air off coil 21° deg.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## Ventilation Notes

1. This drawing shall be read in conjunction with all other services, Architectural drawings, project specifications and contract documentation.
2. All ductwork to DW144/DW154 (where applicable).
3. Flex to be used only straight-all bends to be rigid.
4. Fire collars to be located in accordance with fire strategy drawing requirements.
5. All diffusers and grilles to be supported by structure.
6. In positions of restricted headroom, ducts may be supported with flat bar formed to duct shape with fixings at sides on bent lugs.
7. All references to specific manufacturers are made for design specification purposes, installed equipment should be of equal standard and approved.
8. All Heat Recovery Units to be fitted with 22mm condensate drains.
9. The mechanical ventilation heat recovery unit shall be arranged with interlocks, to initiate a 'boosted' level of ventilation as follows:
   - A switch interlock in each kitchen and a built in humidistat located as part of the central fan. The humidistat will monitor the air in the extract ducts and operate automatically as and when the air quality requires changing. This is to run on for a pre-programmed period of time once the switch has been switched off.
10. The fan unit shall be complete with a local wall mounted isolator, located conveniently within the storage cupboard.
11. A minimum of 4ach/hr shall be provided to provide purge ventilation in line with Part F of the building regulations.

## Ventilation Legend

| | |
|---|---|
| | Supply Air Flow |
| | Extract Air Flow |
| PIR | PIR Detector |
| VCD | Volume control damper (M = Motorised) |
| FD | Fire damper |
| ATT | Attenuator (CT = Cross talk) |
| C | Controller for heat recovery units |
| | Internal Bedrooms - 4 air changes/hour |

| Rev | By | Date | Description |
|---|---|---|---|
| C3 | NG | 20.05.21 | Contract Issue. |
| C2 | NG | 15.04.21 | Contract Issue. |
| C1 | NG | 19.03.21 | Contract Issue. |
| P3 | JM | 15.03.21 | Preliminary Issue. |
| P2 | JM | 26.02.21 | Preliminary Issue. |
| P1 | JM | 15.01.21 | Preliminary Issue. |


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FRP Advisory

Project
Victoria Mill Manchester

Drawing Title
Proposed Ventilation Layout
Fifth Floor

| Drawn | Date | Cad File |
|---|---|---|
| JL | 11.02.21 | VMM-TCE-XX-05-DR-M-57001 Rev C3.dwg |
| Checked | Date | External Ref. |
| JM | xx.xx.21 | - |
| Approved | Date | Scale |
| JM | xx.xx.21 | 1:100 at A1 |

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