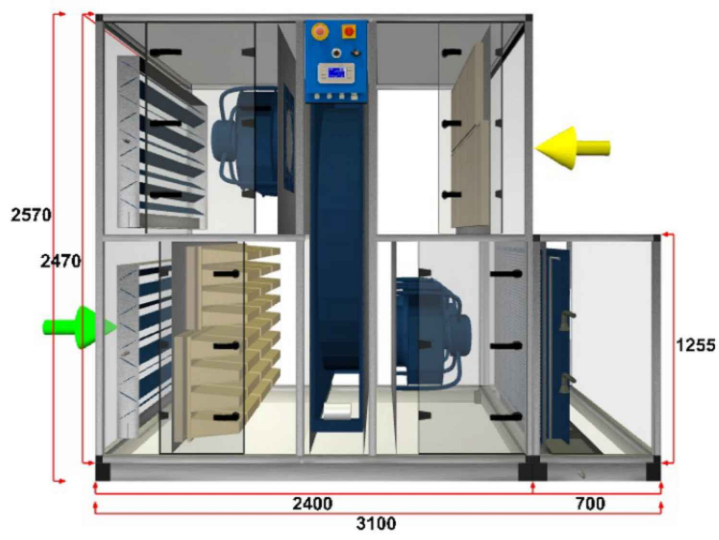
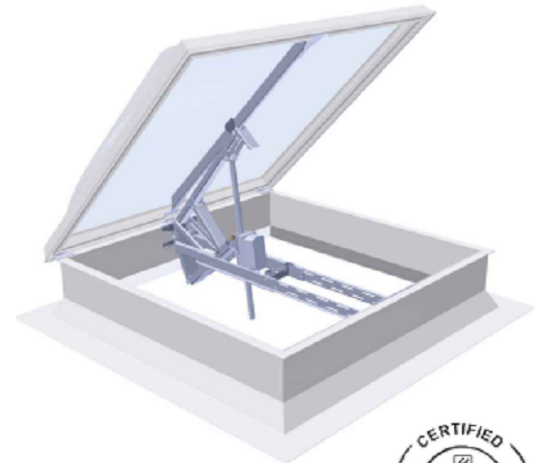




'Detail A' 450x450 Roof Terminal



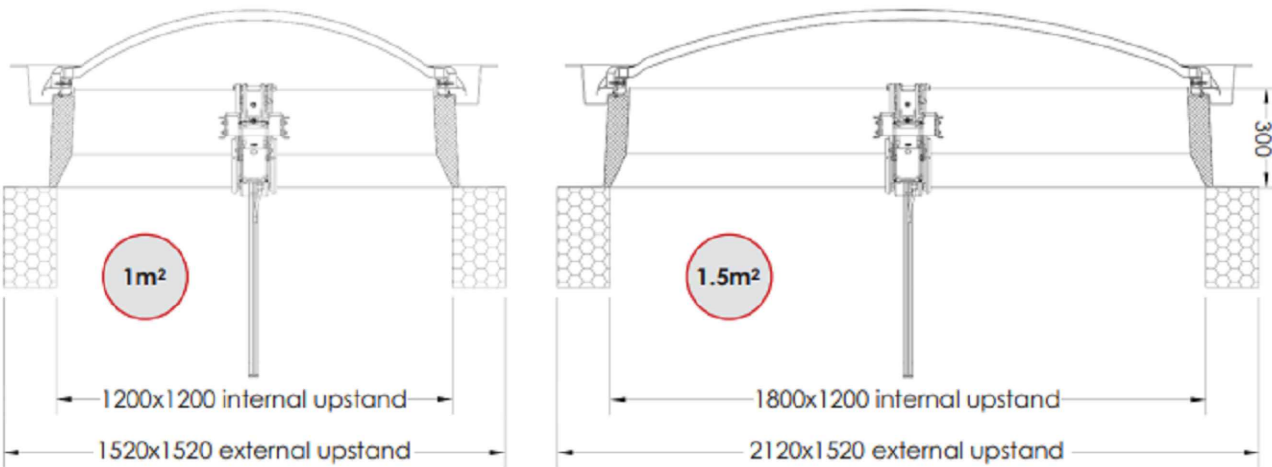
Air Handling Unit



Smoke Vent Opening

Product dimensions - standard sizes (mm)

1m² and 1.5m² Geometric Free Area shown below. A wide range of alternative sizes are available.



Technical data - standard sizes

| Geometric Free Area                 | 1m²               | 1.5m²             |
|-------------------------------------|-------------------|-------------------|
| Certification                       | EN 12101-2        | EN 12101-2        |
| Aerodynamic free area (Aa)          | 1.08m²            | 1.62m²            |
| Reliability class (Re)              | 1000              | 1000              |
| Wind load class (WL)                | 1500 N/m²         | 1500 N/m²         |
| Snow load class (SL)                | 1202 N/m²         | 761 N/m²          |
| Resistance to heat                  | 8300 (300 °C)     | 8300 (300 °C)     |
| Low ambient temperature rating (LT) | -15°C             | -15°C             |
| Maximum opening angle               | 170°              | 170°              |
| Opening time                        | <60 seconds       | <60 seconds       |
| Voltage                             | 24v & 230v option | 24v & 230v option |
| Current consumption                 | 4 amp (24v)       | 4 amp (24v)       |
| Cable                               | 2.5m silicone     | 2.5m silicone     |

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Do NOT scale from this drawing, work only to figured dimensions.  
All dimensions in millimetres unless otherwise stated.

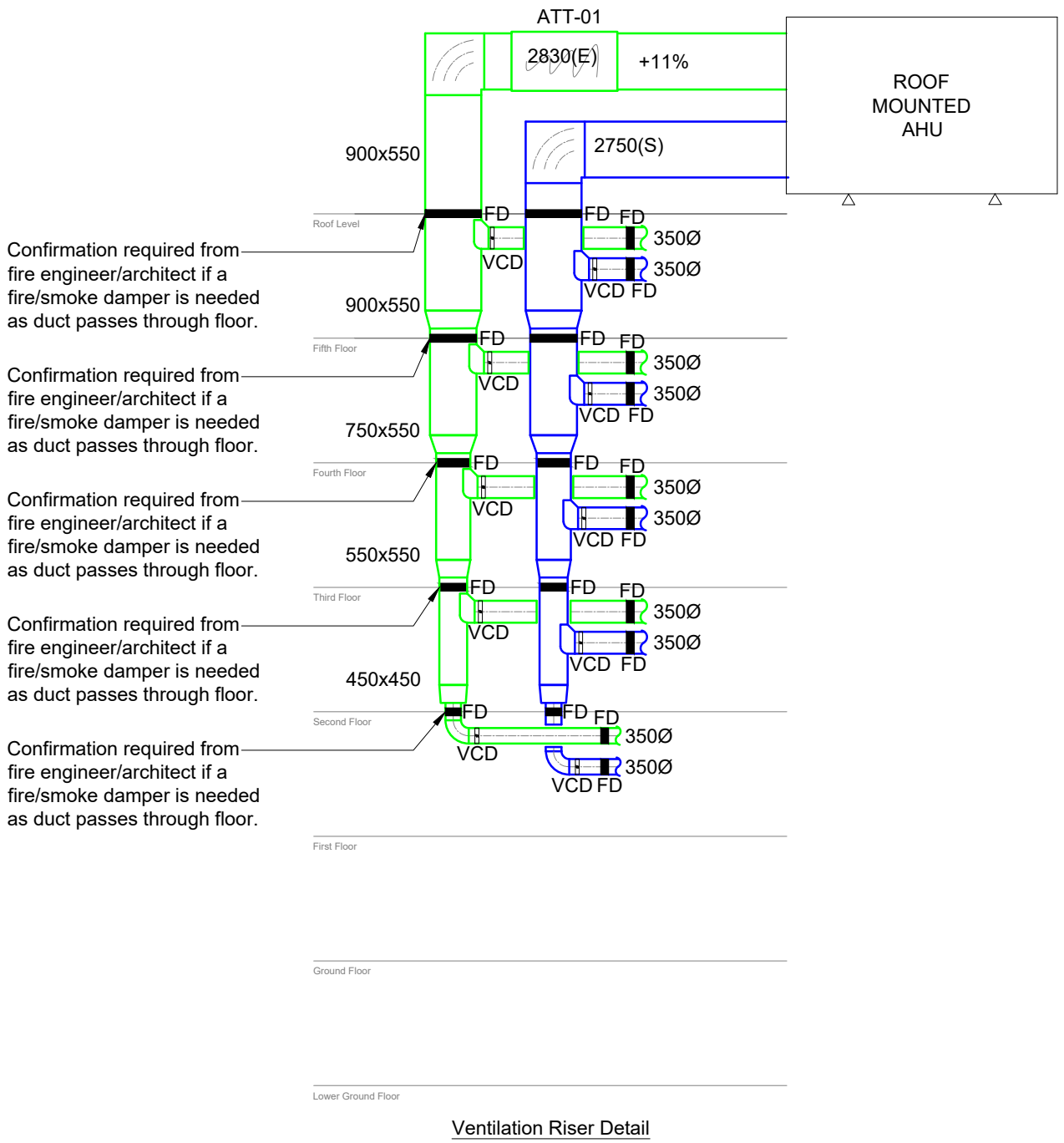
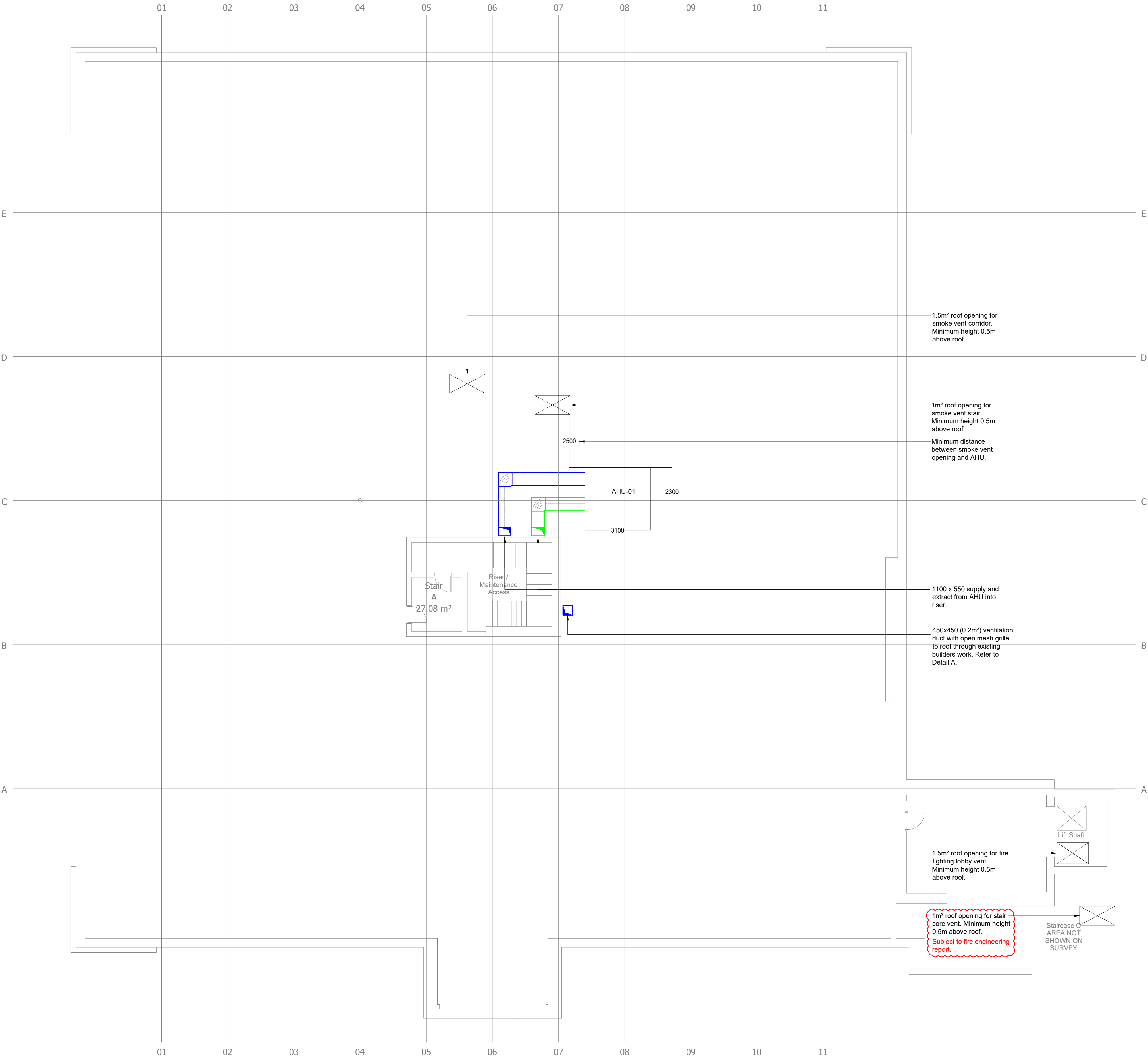
This drawing has been created electronically, do not modify by hand.

Ventilation Notes

- This drawing shall be read in conjunction with all other services, Architectural drawings, project specifications and contract documentation.
- All ductwork to DW144/DW154 (where applicable).
- Flex to be used only straight-all bends to be rigid.
- Fire collars to be located in accordance with fire strategy drawing requirements.
- All diffusers and grilles to be supported by structure.
- In positions of restricted headroom, ducts may be supported with flat bar formed to duct shape with fixings at sides on bent lugs.
- All references to specific manufacturers are made for design specification purposes, installed equipment should be of equal standard and approved.
- All Heat Recovery Units to be fitted with 22mm condensate drains.
- The mechanical ventilation heat recovery unit shall be arranged with interlocks, to shut down on fire.
- 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 Detector
- VCD Volume control damper (M = Motorised)
- FD Fire damper
- SD Smoke damper
- ATT Attenuator (CT = Cross talk)
- C Controller for heat recovery units



|     |    |          |                    |
|-----|----|----------|--------------------|
| C4  | NG | 10.06.21 | Contract Issue.    |
| C3  | NG | 20.05.21 | Contract Issue.    |
| C2  | NG | 21.04.21 | Contract Issue.    |
| C1  | NG | 19.03.21 | Contract Issue.    |
| P2  | JM | 15.03.21 | Preliminary Issue. |
| P1  | JM | 26.02.21 | Preliminary Issue. |
| Rev | By | Date     | Description        |



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Client

FRP Advisory

Project

Victoria Mill Manchester

Drawing Title

Proposed Ventilation Layout  
Part Roof

|          |                          |                                     |
|----------|--------------------------|-------------------------------------|
| Drawn    | Date                     | Cad File                            |
| NP       | 26.02.21                 | VMM-TCE-XX-RL-DR-M-57001 Rev C4.dwg |
| Checked  | Date                     | External Ref.                       |
| JM       | 26.02.21                 | -                                   |
| Approved | Date                     | Scale                               |
| JM       | 26.02.21                 | 1:100 at A1                         |
| Job No.  | Drawing No.              | Rev                                 |
| PA1484   | VMM-TCE-XX-RL-DR-M-57001 | C4                                  |