



## Notes

1. This drawing shall be read in conjunction with all Mechanical and Electrical drawings, Schedules and Specification.
2. Contractor to allow for on site coordination with the structure and other services and the production of fully dimensioned working drawings prior to installation.
3. All equipment to be installed in accordance with the manufacturers instructions.
4. All Apartment ventilation installations shall be installed in accordance with the building regulations in particular Parts B, F&L41, NHEC, BS5588, BS 5925, BS EN 13465.
5. All Apartment ventilation ductwork shall comprise white coloured rigid PVC ducting and components in standard sizes of 220x20mm or 204x20mm (which correspond to 150mm2 and 100mm2 respectively, flat duct systems shall be interchangeable with white coloured rigid PVC circular ducting via appropriate adapters.
6. All changes of direction shall utilize 45° bends wherever possible in order to reduce system resistance and where due to turbulence, i.e. 90° bends are utilized they shall not be installed in close proximity to each other and double bend sets shall be avoided. All ductwork shall be secured to the structure via the appropriate channel clips or brackets.
7. Connections to external louvers shall be via bespoke transition pieces manufactured from either rigid PVC sections or galvanneal sheet steel, ensuring angle of lap is not greater than 30° and includes at least one internal lap to seal air flow across full face of louver. All louver transitions must be thermally insulated and vapour sealed.
8. All ductwork component joints shall be solvent welded, socket & spigot arrangements using a suitable PVC solvent adhesive, being secured completely airtight with white coloured silicone duct sealant and having duct tape applied around the full joint / seam upon completion. All ductwork must be installed to 'Class A' pressure classification as stipulated in HVCA Specification DW144 and achieve an 'Intermediate Level' cleanliness standard as defined in HVCA Specification DW122, being tested upon completion and prior to commissioning.
9. Ensure that any rectangular or circular rigid PVC duct, passing through a designed barrier is provided with an airtight seal, being secured completely airtight with white coloured silicone duct sealant and having duct tape applied around the full joint / seam upon completion. The sealers shall be installed within the opening using the appropriate structure to provide lateral support on all sides in operation. All openings for the sleeves & collars shall be made good with insumacast duct sealant ensuring gaps are completely filled to their full depth or thickness.
10. Kitchen specialist to supply and fit kitchen extract canopy with sufficient duct to meet Part F Building Regulations.
11. All kitchen and supply ductwork to be internally acoustically treated with foam in accordance with the requirements of the acoustic consultant.
12. All supply & extract ductwork from the MVR unit to atmosphere shall be insulated.
13. All penetrations through FCU return air plenum are to be internally sealed.

## Legend

- |  |     |   |   |
|--|-----|---|---|
|  | ATT | - | Attenuator                                    |
|  | EG  | - | Extract grille                                |
|  | EF  | - | Extract fan                                   |
|  | EL  | - | Extract louvre                                |
|  | FOU | - | Fan coil unit                                 |
|  | FHR | - | Fan coil unit regeneration heat recovery unit |
|  | LSO | - | Linear slot grille                            |
|  | SD  | - | Set down                                      |
|  | SG  | - | Supply grille                                 |
|  | SL  | - | Supply louvre                                 |
|  | SU  | - | Set up  |
|  |     | - | Supply ductwork                               |
|  |     | - | Extract ductwork                              |
|  |     | - | Fan coil unit                                 |
|  |     | - | Exhaust ductwork                              |
|  |     | - | Insulated ductwork                            |
|  |     | - | Devices boundary of ceiling void plenum       |
|  |     | - | Devices ductwork to be acoustically lined     |
|  |     | - | Supply air path                               |
|  |     | - | Return air path                               |
|  |     | - | Residential apartment                         |

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DO NOT scale from this drawing - site measure only.

The logo for MONTA NVIL is displayed. It features the word "MONTA" in white, with the "O" and "N" in a light blue color. Below "MONTA" is the word "NVL" in white. The entire logo is set against a dark blue background.

KIDDERPORE AVENUE  
LONDON

Drawing Title

## TOWNHOUSE 1

## VENTILATION LAYOUT

MKP CONSULTANTS

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