



Project Reference: QRXG 62615a / AJ / CS.

Project: Haverstock Hill & Prince of Wales Road.

Date: 17 June 2016.

Proposed Mechanical Extract Ventilation System.

Incorporating Heat Recovery.

F.A.O. Mr Clifton Gordon



VentfiltersRus Ltd

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Dear Mr Gordon

Further to your enquiry regarding the above project, we are pleased to submit the following proposal;

To reduce the effect of condensation and meet the fresh air requirement for this type of dwelling, we propose a Mechanical Ventilation System which complies with Approved Document F1 Means of ventilation, 2010 edition.

We propose the installation of our XCell QVI range of MVHR units installed as indicated on the drawings provided. The units selected are Document 'L' compliant, with highly efficient EC motors.

The unit selected will achieve an air extract rate in accordance with the requirements of Tables 5.1b and 5.1c & 5.2d calculations of 'Document F' at boost speed.

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The units will be controlled by 'Ventmiser' controllers, with current sensors in the kitchen & utility (assumes electric appliances), and hot water temperature sensors in the bathrooms and en-suites. Each kitchen, utility, bathroom, en-suite and WC will also have 'momentary boost' switches for manually increasing ventilation.

The intake and discharge ducts to atmosphere will terminate through roof cowls (plots A and B) and double airbrick wall grilles (plot C – to the rear) as indicated on the drawings provided. It is recommended that there should be a minimum separation of 2 metres between the intake and discharge terminals to avoid recirculation.

Humid air will be extracted from kitchens, utilities, bathrooms, en-suites, and WCs by ceiling-mounted adjustable circular 125mm \varnothing diffusers connected to a combination of 125/150 \varnothing circular, and profile 60 & 90 rectangular ducting and fittings.

Warmed fresh air will be supplied by similar ducting to the living areas and bedrooms, terminating with ceiling-mounted adjustable 125 \varnothing circular supply diffusers.

All ducting located in loft spaces, roof voids etc. which are unheated, must be insulated, together with the duct runs from the unit to atmosphere. Please contact your local Building Control for guidance with regard to the Building Regulations Part B – Fire Safety for further information.

The Heat Recovery Unit condensate drain must be connected to the dwellings drainage system via a suitable insulated (in unheated areas) waste pipe containing a water trap, in accordance with Building Regulation H1.

We have enclosed the following information:-

1. Proposal Summary.
2. Drawing showing the proposed ventilation system duct runs.
3. Details of assumptions and exclusions.

The above proposal is based on the information provided, due to site conditions precise lengths of ducting are difficult to calculate and it may be necessary to alter the duct runs and external discharge/intake terminations to suit, in these circumstances additional ducting and fittings may be required.

We trust this proposal, drawings and information sheets enclosed will meet with your approval and we look forward to discussing this project in more detail.

Yours sincerely,

Alex James

Whole House Ventilation Sales Manager – South & Midlands

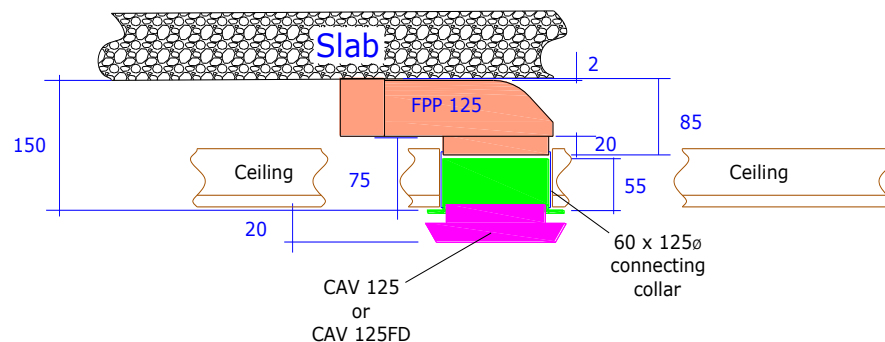
07813 871 879

Enc.



Project: Haverstock Hill & Prince of Wales Road.**Assumptions**

1. This proposal is based on the information provided:-Drawing N^{o(s)} Various.
2. The component parts necessary to complete the systems are as listed. These include the MVHR unit, ducting, bends, connectors, worm drive clips, balancing diffusers and wall terminations, with the exception of components specifically itemised under exclusions
3. A full list of materials will be made available on receipt of an order.
4. Any materials in addition to those itemised on the proposal parts list will be at extra cost.
5. A fire damper diffuser has been included on the Kitchen extract point.
6. We have assumed that the ceiling will act as the fire barrier in the Hallway area.
7. **Part B (Fire Spread) of the Building Regulations.**
Whilst every effort is made to ensure that the proposal is in compliance with the above requirements, we recommend that this proposal is submitted to the Building Control.
8. We have assumed that all ducting will be installed to comply with the 'Domestic Ventilation Guide 2010'.
9. This proposal assumes that the minimum ceiling dimension of 150mm is available as detailed below and void spaces are sufficient to allow for ducting.



10. We have assumed that provision has been made for a rapid extract system in the kitchen area (e.g. a cooker hood over the cooking range).
11. We have assumed that the installation balancing and commissioning of the ventilation systems will be to BPEC standards.
12. It has been assumed that provision has been made by others for a separate air supply to fixed equipment such as wood burning stoves and cooking ranges, to comply with the manufacturers recommendations and the current addition of Document 'J' of the Building Regulations.

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1. Installation, balancing and commissioning the equipment.
2. Any builders work (cutting holes for ductwork and terminations through internal & external masonry and timberwork) and boxing in or making good.
3. Any associated electrical work or testing in accordance with Current Edition of I.E.E. wiring regulations.
4. All condensate drainage and final connection of condensate drainage pipe work to building waste system including condensate pump if required.
5. Please contact your local Building Control office for guidance with regard to the Building Regulations Part B – Fire Safety. If fire collars are required other than those noted, above, they will be supplied at additional cost.
6. We have not allowed for any supports other than metal support banding, alternative supports are available on request. Screws/fasteners are to be supplied by others.
7. Any sealants, duct tape etc. have not been included but are available if required.

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For the supply & delivery of the MVHR systems to suit above project:-

Drawing N ^o	Maisonette	Unit Price	N ^o off	Sub Total
-1	A	£2,009.89	1	£2,009.89
-2	B	£1,596.06	1	£1,596.06
-3	C	£1,935.49	1	£1,935.49

3 Maisonettes Total =	£5,541.45
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All prices exclusive of VAT at the applicable rate.