



Townmore Construction Ltd

26-28 Lytton Road

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For the attention of Mr Jon Thompson

RE: Newton Road – Air vent ducts and noise assessment

Dear Sirs

We write in support of the submitted application to Westminster City Council to amend the rooftop air vent ducts of the recent extension to the Newton Medical Centre.

The air vent ducts are required to bring in fresh air to the waiting area of the new building on the ground floor to meet building standards as well as for health purposes.

The system uses a Daikin VAM650 air handling unit (see attached brochure) within the ceiling void of the waiting area inside the building which provides for the required 4no air changes per hour. This unit has an integral noise filter fitted so as to make it all but silent inside the building. There is therefore no noise from the unit disseminating to outside the building.

In order to provide the required 4no air changes per hour, the ducts need to supply a combined total of 333 litres of air per second. This equates to an air velocity of 4m/2 through the duct.

As the air vents are simply drawing in air into the building (i.e. they are intake ducts), they emit little to no noise based on the background noise of the site and its associated plant. The noise emitted is well within the parameters set out in the Noise Impact Assessment reference PC-22-0054-RP1 Rev B. The proposed changes to the air vent duct endings will not affect the noise emitted, remaining the same.

Yours Sincerely

Gordon Roberts



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