

SANDY BROWN

Consultants in Acoustics, Noise & Vibration

Memo: M001-A

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Project: 19051

Pages: 1

From: Richard Muir

Reviewer: Rob Conetta

55 Tottenham Street

Additional ASHP's

Sandy Brown prepared a noise and vibration assessment for the above project detailed in our report dated 22 June 2020 reference 19051-R01-C. The assessment was based upon a single external Air Source Heat Pump (ASHP) located at roof level and the proposed unit was to be located in an acoustic enclosure which, in principle, would provide more than the minimum required attenuation to meet the environmental noise limits in line with Camden Council's requirements.

Since this original report was prepared the energy strategy has changed to replace the gas boilers with air source heat pumps in all flats for hot water provision. Therefore, there is proposed to be three additional ASHPs to be located on each of the balconies. The balconies will be closer to the nearest properties and there will also be a cumulative effect from these units.

Assuming all of the external units are located in acoustic enclosures that provide 25 dB noise reduction as is proposed for the original rooftop unit then the overall noise limits are still likely to be achieved because of the additional attenuation provided by the enclosure. A detailed assessment has not been conducted but this note is simply to provide an indication of the noise implications associated with the change in energy strategy.