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# Ian Sharland LIMITED

Noise & Vibration Control Specialists

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4 December 2016

Mr Jonathan Meek  
Keystone Consulting Engineers

By Email

Dear Jonathan

**RE: 15 PERCY STREET, LONDON - REPLACEMENT OF EXTERNAL CONDENSING UNITS**

Further to our recent email exchanges, please find below confirmation of our view on the impact of your proposed changes to the air conditioning equipment at the rear of 15 Percy Street. I understand that you are replacing two existing Fujitsu condensing units, with two new Daikin units - to serve a similar purpose and to be located in the same position.

The outgoing units are a Fujitsu AOY24LMAL and an AOY30LMAL. These both have an acoustic rating of 52 dB(A) @1m. The combined noise level at 1m distance would therefore be 55 dB(A).

The replacement condensers include a Daikin RZQG125L9V1 unit and a Daikin RXS50L unit. These are rated at 51 dB(A) and 48 dB(A) @1m, respectively. The cumulative emissions would be 53 dB(A) @1m.

On the understanding that the new units will operate in a similar fashion (timing of operation and duration when under load), it may be concluded that the new units will represent an improvement on the current conditions.

Thus, the proposed change will not in itself have any adverse acoustic impact on the amenity of noise sensitive neighbours.

I hope that this clarification is self-explanatory, but we of course remain available to clarify any further queries.

Yours sincerely



**RICHARD SHARLAND**

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