

Boyer Planning

Crowthorne House
Nine Mile Ride
Wokingham
Berkshire
RG40 3GZ

Our ref: 20180831_4301_JWFP01.docx

31/08/2018

FAO: Lucy Anderson

Dear Lucy

Re: 108 London Street, Reading

Further to our recent telephone conversation and following your email of 22/08/18, we provide our comment in response to the additional information items requested by Reading Borough Council's Environmental Protection Officer accordingly. For ease of reference our comments are provided as blue text immediately after the LPA's comments, as below.

"I have reviewed the noise assessment (Paragon Acoustics ref 20180710_4184_ENA_001). I have a number of queries regarding this assessment which need to be addressed before I can make any recommendations. These are as follows:

- *Can the acoustic consultant confirm that the After Dark club was operating during the assessment (at least on Friday or Saturday night).*

I can advise that I attended site on Friday 16th March at approx. midnight and the After Dark club was hosting an event at the time.

- *Was any of the survey attended and if so what was the subjective noise climate during the night time?*

Subjectively, noise breakout from the club observed immediately external to the premises was barely audible above the prevailing ambient noise climate.

- *Please provide 5 minute LAeq levels for the period 11 pm – 3 am on a night when The After Dark was operating. I appreciate the usual approach is to use an 8 hour LAeq for night time, however in this case it would be useful to also consider the night time LAeq during the time when the After Dark is open to ensure that the level of disturbance isn't masked by quieter levels in the latter part of the night once the After Dark is closed.*

It is understood that the full measurement data set has been submitted to the LPA, following my email of 03/01/.

- *Can some assessment be carried out of the low frequency content of the noise from the After Dark to assess whether the proposed insulation specification will be adequate.*

Facade sound insulation calculations sheets are given in Appendix B of our report 20180710_4184_ENA_001.docx dated 10/07/2018. The second calculation sheet therein sets out predicted indoor L_{Fmax} noise levels within a typical bedroom space in respect of noise ingress from the After Dark Club.

As a frame of reference, the equivalent NR value corresponding to the WHO indoor night noise level criterion (45 dB L_{AFmax}) is NR 35 dB and this has been used as the starting point for design of façade mitigation measures for bedrooms.

Assuming adoption of the mitigation measures proposed, predicted spectral noise levels expressed as 1/1 octave band L_{Fmax} NR values in the low frequency bands (31.5 Hz and 63 Hz) are calculated to be 14 dB and 27 dB respectively. The maximum value is calculated to occur at 250 Hz and mitigation has been specified so as to achieve a reasonably “flat” internal spectrum.

- *The glazing specification for the rear façade is for acoustic glazing – can it be clarified whether the windows would have trickle vents and if not this should be specified.”*

Windows would not have trickle vents as MVHR ventilation has been proposed, this is covered at Section 8.0 of the 10/07/2018 report.

I trust the foregoing is of assistance, however please call should you have any queries or require further information.

Yours Sincerely



Patrick Shortt MSc MIOA

For and on behalf of
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