

Josh Moore
Moreland & Co
93 Bell Lane
London
NW4 2 AR

Date: 21st March 2023
Reference: R9987-1 Rev 0

Dear Josh

RE: 1 – 7 HARGRAVE PLACE – NOISE ASSESSMENT

I am pleased to confirm the results of the sound insulation review regarding noise from the ground floor commercial unit affecting the proposed fourth floor apartments at the above property.

1.0 INTRODUCTION

- 1.1 Planning consent was granted in 2014 for the construction of a four-story building at 1-7 Hargrave Place, London (reference: 2014/3714/P). The building is complete and comprises a light industrial unit (Class B1 (c)) to the ground floor and six apartments to the upper floors.
- 1.2 It is proposed to provide an additional story to the building, to comprise residential apartments.
- 1.3 The local authority has requested an assessment of noise from the ground floor light industrial unit affecting the proposed fourth floor extension.
- 1.4 With reference to the building's sound insulation test results and certified building control certificate, 24 Acoustics has undertaken a review of the existing buildings sound insulation performance and likelihood of noise disturbance from the ground floor light industrial use.

2.0 ASSESSMENT

Light Industrial Noise

- 2.1 Light industrial use (Class E (g iii)) is defined as "*any industrial process, being a use, which can be carried out in any residential area without detriment to the amenity of that area by reason of noise, vibration, smell, fumes, smoke, soot, ash, dust or grit*".
- 2.2 Given the existing residential properties above the commercial unit, it is unlikely that noise from the ground floor light industrial use would be a cause of disturbance at the proposed fourth floor extension.

Sound Insulation Review

- 2.3 The sound insulation test report, by KP Acoustics in 2016 (reference: 13834.SI.01), outlines the sound insulation performances of walls and floors to the building's first and second floors. The report formed part of the Building Control requirements and subsequent Final Certificate (Reference: NN79035). A summary of the airborne test results is shown in Table 1.

Element	Criteria	Test Result
Walls	$\geq 45 \text{ dB } D_{nT,w} + C_{tr}$	52 to 53 dB $D_{nT,w} + C_{tr}$
Floors	$\geq 45 \text{ dB } D_{nT,w} + C_{tr}$	56 to 59 dB $D_{nT,w} + C_{tr}$

Table 1 Airborne Test Results

- 2.4 The above results are significantly better than the minimum requirements of Approved Document E.
- 2.5 Based on the sound insulation tests results, noise from the ground floor light industrial unit is highly unlikely to present a source of disturbance to future residents in the proposed fourth floor extension.

3.0 CONCLUSION

- 3.1 In light of the site's Building Control sign off record and sound insulation test results by others, it is highly unlikely that the ground floor light industrial use would present a source of disturbance to future residents in the proposed fourth floor extension. Furthermore, the definition of light industrial use permitted on the ground floor is such that noise will not cause detriment to residential amenity.

I trust the above is in order. Please call if you have any questions.

Yours Sincerely,
For 24 Acoustics Ltd

Kiel Edwards BSc AMIOA
Consultant