

20221426.2/0812A/R0/JHT

8/12/2023

Roche Group Pty Ltd
365 New South Head Road
DOUBLE BAY NSW 2028

Attn: Wes van der Gardner

469-483 Balmain Road, Lilyfield - Acoustic Addendum

This document has been prepared in response to Inner West Council's request for additional information for the proposed development to be located at 469-483 Balmain Road, Lilyfield. Acoustic Logic has previously provided a noise impact assessment (document reference: 20221426.1/1005A/R3/JHT, dated 10/05/2023) which was part of the development application package lodged to Council (DA/2023/0467). The following item relevant to acoustics has been raised by Council in response to the submitted noise impact assessment:

"Part 4H – Acoustic Privacy

The proposal has located bedroom windows from apartments A206 and B201 (and the apartments with the same configurations on the levels above) adjoining the communal open space. In this regard, further refinement and reconfiguration is required to ensure noise transfer is minimise through the siting of buildings and building layout. In addition, it is noted that external louvres appear to be relied upon to ensure the internal visual privacy of these apartments are maintained which compromises the internal amenity of these units. The interface of these units in the communal open space needs to be further refined to ensure adequate privacy is provided whilst maintaining good internal amenity."

Acoustic Logic have reviewed the updated architectural documentation prepared by Chrofi (Project Number: 21049, dated 28/11/2023) and provide the following clarifications:

- The updated plans provided by Chrofi dated 28/11/2023 have removed the outdoor communal space between A206 and B201. These have been replaced with private external balconies which are expected to provide more acoustic and visual privacy than previously noted.
- The Apartment Design Guideline (ADG) outlines recommended principles for acoustic design. Typical considerations outlined which are designed to reduce acoustic impacts include:
 - Adequate building separation is provided within the development and from neighbouring/adjacent uses.

- Window and door openings are generally orientated away from noise sources.
- Noisy areas within building including building entries and corridors should be located next to or above each other and quieter areas next to or above quieter areas.
- Storage, circulation areas and non-habitable rooms should be located to buffer noise from external sources.
- The number of party walls (walls shared with other apartments) are limited and are appropriately insulated.
- Noise sources such as garage doors, driveways, service areas, plant rooms, building services, mechanical equipment, active communal open spaces and circulation areas should be located at least 3m away from bedrooms.

Based on the updated documentation provided to Acoustic Logic, it can be confirmed that appropriate adjustments to the configurations and interfaces have been made between communal outdoor spaces and residential receivers. Where practicable, any further adjustments to the reconfigurations should be made in accordance with the design guidelines outlined within the ADG to ensure acoustic amenity is maintained.

We trust this information is satisfactory. Please contact us should you have any further queries.

Yours faithfully,

A handwritten signature in black ink, appearing to read 'J King', with a horizontal line extending to the left.

Acoustic Logic Pty Ltd
James Ting