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CPB Contractors Pty Limited
Level 18
177 Pacific Highway
NORTH SYDNEY NSW 2060

Attn: Kara McCormick

Royal Prince Alfred Hospital Redevelopment (RPAH Redevelopment) - REF6 - EW3 Molecular Imaging Plant Room

This report has been prepared to review the noise and vibration impacts for the Molecular Imaging Plant Room Extension works at the Royal Prince Alfred Hospital. The plant expansion is required to provide compliance upgrade and new infrastructure capacity for the hospital campus to serve ongoing and projected growth for the Emergency Department.

The works included as part of the proposal are summarised below:

- Removal of the existing Level 6 Mechanical Plant and making good to extent shown on drawings
- Penetrations for new services within the plant room
- Waterproofing of existing slab
- Building interface works to the existing adjacent campus buildings where impacted
- Construction of new structure for lightweight steel roof, gutter, and fascia works
- Construction of new façade enclosure to plant room with a steel frame and metal stud framing.
- New façade system with the inclusion of a solid aluminium cassette cladding and acoustic louvres
- New construction of fire rated walls
- Finishes within plant area as required.

With regards to the proposed upgrade works, we note the following:

- An *Acoustic Assessment Report* has previously been prepared by Arup for the Molecular Imaging Extension and B63/64 lift (RPA-ACO-ARP-RPT-EW-03E, dated 03/08/2022).
- The report details surrounding noise sensitive receivers, baseline noise monitoring results, and assessment criteria for construction and operational noise & vibration sources. These remain applicable to the proposed activity described above and as detailed on the architectural drawings.
- Primary impacts associated with the works are related to the potential for noise emissions from mechanical plant located within the plant area.
- There are no changes between the concept presented in the previously prepared acoustic report and that currently proposed which would impact acoustic performance parameters for the proposed plant room. Based on this we can confirm that, with respect to noise and vibration impacts, the alterations do not impact the assumptions or outcomes of the report.
- Where required, acoustic attenuation measures and controls will be implemented and iterated throughout the design and construction phases in order to sufficiently attenuate noise and vibration to acceptable levels in line with the requirements of the above documents.
- Appropriate management and mitigation strategies for the construction noise and vibration impacts of the proposed modification works will be developed as the construction methodology is formalised, in order to appropriately control the impacts of this activity on the surrounding sensitive receivers.
- The construction impacts associated with the works of the modification are to be assessed to the relevant noise management levels, and vibration criteria, or as these limits are updated throughout the construction process for the development in consultation with affected stakeholders and surrounding sensitive receivers.

Based on the above, the noise and vibration impacts associated with the Molecular Imaging Plant Room Extension should be considered acceptable with respect to acoustics.

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 'Alex Washer', is positioned above the printed name.

Acoustic Logic Pty Ltd
Alex Washer