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# ARUP

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12 March 2017

Dear Sir/Madam

## Wanda Sydney DA – Tower B Rooftop Bar Noise

We write responding to comments received on 24 February 2017 from City of Sydney Council (Letter ref. 2017/093556), relating to the acoustic assessment for Wanda Sydney.

The specific comment related to the Tower B rooftop bar noise, as follows:

### *Rooftop bar noise*

*The rooftop bar on level 24 (37 patrons) and level 25 (35 patrons) is expected to comply with noise requirements, however this is based on no background or amplified music. If music is proposed for this area an acoustic report should be submitted. Without this information, the terrace is likely to be subject to condition of consent prohibiting the use of speakers and outdoor music in this area.*

In response, we confirm that a full acoustic assessment of the rooftop bar was included in report "Acoustic Assessment for Entertainment Noise of Wanda Sydney Tower B", submitted with the application, and is set out in Section 4.2 Entertainment Noise Break-out. The acoustic assessment report presented the following:

- Establishment of appropriate assessment noise criteria.
- Assumptions including the expected occupancy (137 patrons on Level 24 and 35 patrons on Level 25), sound power levels (including octave band spectrum) for crowd noise and sound power levels (including octave band spectrum) for amplified music.
- Noise predictions to the nearest residential receivers (i.e. apartments in Wanda Sydney Tower A) are presented which conclude compliance by either:
  - a) no amplified music in the outdoor area; or
  - b) provision of acoustic mitigation in the form of a **retractable roof**.

The retractable roof has been designed to be a solid roof system with acoustic seal; thus the outdoor bar area will be enclosed when the retractable roof is extended (i.e. cover the outdoor area). It is anticipated to provide adequate noise reduction to enable amplified music in the outdoor area. In addition, adjustments/control of amplified music volume

could be conducted as an additional measure to further reduce the noise, if necessary. We trust this is satisfactory to comply with noise requirements.

It has been confirmed that the retractable roof system has been included in the DA architectural drawings and therefore amplified music should not be prohibited in the area.

We trust this clarifies the findings of the acoustic assessment and proposed mitigation measures as submitted in the subject development application.

Yours faithfully



Harvey Yang  
Acoustic Consultant