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20120410.1/1503A/R0/BW

15/03/2016

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ATTN: MR JUSTIN CLARK

The Ribbon - Review of Council Comments

This letter confirms that an acoustic review of the council comments based on the Noise Impact Assessment conducted for the Ribbon project as detailed in their letter with reference SSD 7388, which includes the following regarding acoustics:

Noise Impacts

- A revised noise impact assessment is required assessing:
 - the noise impacts of existing, surrounding commercial premises (including entertainment venues and night clubs), and large events on the proposal; and
 - the noise impact of the proposed hotel bar, function centre, retail or IMAX uses on the hotel accommodation and serviced apartment uses within the building.

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Comments regarding the above include the following:

1. Surrounding environment noise levels – During the assessment attended noise measurements and unattended noise logging was undertaken at the site to assess noise impacting the site. Based on the levels recorded at the site the predominant noise source impacting the site is traffic noise from the western distributor. Based on the noise levels which will impact the future facades of the building traffic noise is significantly greater than any other noise source which will impact the building, that is 74 dB(A) L_{eq} 1 hour during the day and 73 dB(A) L_{eq} 1 hour during night time periods.

The recorded traffic noise levels include significantly high levels and for there to be an additional contribution to the resulting noise at the future building facade from any other entertainment source within the surrounding area would require a magnitude of noise which would significantly exceed Council and OLGR criteria for the entertainment establishment. For there to be an additional contribution of noise as recorded at the façade an external noise level in excess of 95 dB(A) would be required externally at an entertainment area which is not plausible.

Based on the above the conduct acoustic assessment is accurate for the site and includes recommended façade treatments which would ensure all relevant internal noise levels criteria is archived.

2. Internal noise sources – The proposed development includes the IMAX theatre which is contained within the building and will operate with similar acoustic conditions as currently successfully operating within the existing building.

The future building also includes a number of function areas and retail areas within the building. Based on the proposed building constructions and the exiting noise sources (including the significant background noise from the western distributor) there will be no additional noise contribution from the operations of the future building at any surrounding receiver and compliance with the City of Sydney Councils DCP will easily be achieved.

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

Yours faithfully,



Acoustic Logic Consultancy Pty Ltd
Ben White