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UTS Graduate School of Health - Internal Noise Levels

This letter confirms that an acoustic review of the proposed UTS Graduate School of Health project has been undertaken, specifically the resulting internal noise levels within the project.

Based on the location of the building on Broadway there is the potential for environmental noise levels, specifically from traffic noise, which may impact on the future UTS Graduate School of Health. Based on the base buildings acoustic specifications the maximum internal noise levels within the commercial areas of the building should not exceed 45 dB(A).

Based on the requirements of the Australian Standard AS2107:2016 internal noise levels within a teaching space should be no more than 40dB(A).

It is noted that the specified noise level of 45 dB(A) is a upper maximum noise level and the future internal noise will be less than 45 dB(A) and can be tested once the building's façade is completed. It is possible that the resulting internal noise levels may be less than 40 dB(A) in which case no additional acoustic treatments will be required to ensure internal noise levels comply with AS2107:2016 requirements.

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In the event future noise levels are found to be in excess of the of the required Australian Standard noise level there are two possible additional acoustic treatments which are possible to the building constructions to ensure internal noise levels are less than 40 dB(A), I these include the following:

1. Install an additional lining to the inside of the building including a removable skin such as Magnetite lining.
2. Install an additional jockey's sash to the buildings face including a construction with 4mm glass.

The resulting internal noise levels from environmental sources will be significantly reduced by either of the 2 options above and ensure that the future internal noise levels within the UTS Graduate School of Health will comply with the AS2107:2016 requirement of 40dB(A) and will be acoustically acceptable for use as a teaching or education space.

It is noted that the recommended internal noise levels within the Australian Standard AS2107:2016 are recommended noise levels only and are not a BCA or legislative requirement. Based on the proposed layouts of the UTS Graduate School of Health there a significant areas which are defined as areas with a recommended internal noise levels of 45 dB(A) or greater.

If areas where AS2107:2016 recommended a noise level of 40 dB(A) the following is discussed:

1. The proposed construction of the building may include treatments which exceed minimum requirements and internal noise levels may be less than 40dB(A) once the building is completed.
2. In the event the building construction comply with the 45 dB(A) noise level only, the resulting internal noise levels within the space would remain fit for the proposed purposes within the UTS Graduate School of Health and will not impact on the proposed uses to be conducted within the future fit out.

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

Yours faithfully,



Acoustic Logic Consultancy Pty Ltd
Ben White