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20120682.1/0802A/R0/BW

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**211-223 Pacific Highway, North Sydney - Condition of Consent C20
Modification**

The consent for this project includes a condition (Condition C20) that is intended to limit impact noise from one apartment to another. The North Sydney Council DCP for acoustic privacy states the following:

"All walls and floors separating units must have ... an impact isolation less than L_{DB} 55 above habitable areas"

From the reading of this condition, L_{DB} is intended to be an impact isolation requirement over and above the requirements of the Building Code of Australia. However, there is no guideline or standard that presents a description or explanation of the L_{DB} requirement. The term is not known within the acoustic industry and therefore certification of this condition becomes impossible.

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For this reason, it is therefore proposed that an alternative impact isolation requirement be adopted by Council that is consistent with the intent of the current condition and high quality residential developments.

It is proposed that Council modify this condition to one of the following:

*"All walls and floors separating units must have a weighted sound reduction index (R_w) of not less than 55, and an impact isolation class (IIC) of **not** less than 50 excluding wet areas"*

"All walls and floors separating units must have a weighted sound reduction index (R_w) of not less than 55, and an impact isolation of less than 60 L_{nw} excluding wet areas"

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

Yours faithfully,



Acoustic Logic Consultancy Pty Ltd
Ben White