

15 November 2017

TJ754-01F03 Commerical Plantroom Relocation Letter (r1)

Erin Steinhauer
Taylor
Level 13, 157 Walker St
North Sydney NSW 2060

Dear Erin,

Site 9 - Boomerang Tower, Sydney Olympic Park - Relocation of Commercial Premises Plantroom - Acoustic Letter

The air conditioning condensers servicing the commercial premises are currently located in a plantroom on Level 8 that discharges exhaust air vertically into the podium level (Level 9) above. The plantroom discharge openings are situated approximately 2 to 3m from nearest apartment balconies on Level 9 of the residential building.

Apartment balconies on Level 9 and above that overlooks the plantroom exhaust will be adversely affected by mechanical plant noise due to proximity of the discharge openings and total number of condensers in the plantroom (10 Daikin VRV condensers). This would require extensive acoustic treatment to the individual condensers and plantroom, which may impede on plant efficiency, in order to attenuate discharge noise to an acceptable level.

It is our understanding that Air Conditioning Engineering Services has proposed to relocate the condensers to northern end (Grid 1) of the podium roof which positions the plant equipment at least 45m from the nearest apartment balcony. At this new location, minimal acoustic treatment will be required to prevent any potential noise impacts to nearest commercial or residential receptors. For this reason, we endorse the relocation of commercial premises plantroom as advised in the letter prepared by ACES dated 30/10/2017.

Should you require any additional information please don't hesitate to contact me.

Regards,



Tony Wong
Senior Engineer

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