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22/10/2021

Fabcot Pty Ltd
1 Woolworths Way
BELLA VISTA NSW 2153
AUSTRALIA

Attn: Michael Rumble

11-13 Percy Street, Auburn - Acoustic Review of Plan Modification

As part of the ongoing design development of the Woolworths Warehouse and Distribution Centre at 11-13 Percy Street, Auburn (SSD 10470), a modification to the approved plans is sought. With regard to acoustics, the primary alteration is the location of external plant rooms for the development.

The relevant consent condition relating to noise emissions from the site (including noise from mechanical plant items) within the development consent is detailed below.

Operational Noise Limits

B6. *The Applicant must ensure that noise generated by operation of the development does not exceed the noise limits in Table 2.*

Table 2 Noise Limits (dB(A))

<i>Location</i>	<i>Night $L_{Aeq(15\text{minute})}$</i>
NM1	62
NM2	47
NM3	50
NM4	47

The relevant noise monitoring locations identified in the above table are shown in Appendix 2 of the development consent (Noise Monitoring Locations and Sensitive Receivers).

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We can confirm that the relocation of the extent of plant area detailed on the modified plans does not impact the ability to comply with the above noise levels. The submitted acoustic report for the site included noise from plant room/mechanical plant locations consistent with the proposed plan modifications. The conclusions of the acoustic report are:

- Typical selections (ventilation fans with an SWL of 80dB(A), chillers/refrigeration plant with an SWL of 85dB(A)) would likely be acceptable without additional acoustic treatment.
- A detailed review of proposed mechanical plant be completed once the detailed design of equipment has been completed.

Whilst the detailed design and final selections of mechanical plant have not yet been completed, preliminary review of the proposed mechanical plant and equipment has been undertaken. In particular, mechanical plant located on the rooftop is generally limited to:

- Air handling units
- General ventilation fans
- Smoke exhaust fans (emergency operation only).

All of the above mechanical plant is able to be treated with standard acoustic treatments (internally lined ductwork, attenuators etc.) to reduce emitted noise levels to acceptable levels, in the event this is required. The detailed design of all mechanical plant associated with the facility, inclusive of proposed rooftop items, will ensure that noise levels from plant areas can meet the noise emission requirements of Condition B6.

Please contact us should you have any further queries.

Yours faithfully,



Acoustic Logic Pty Ltd
Alex Washer