

# ADVERTISED PLAN

13/04/2024

Dear Taite

I have been commissioned by Sweaty AF Pty Ltd to provide acoustic consultancy advice for the existing development at **Lot 183 Lydiard St, Ballarat** in response to the Development Application requirements. The existing business operating at this site is a gymnasium over ground floor commercial areas at this address. I have conducted the following activities in accordance with the scope of work. And to establish an applicable acoustic criterion to protect the amenity guests and adjoining commercial/ residential activity from noise emission in and from the site.

This will be achieved by taking before acoustic external building readings prior then during operation with sound system at a preset level. These readings will be taken over a 5-day period during peak usage times. All results will be logged and if required the sound system will be adjusted to ensure the levels do not affect surrounding users. My initial observations have identified that readings may be influenced by other activities at the facility as it is located at a railway station. And as a result, the noise level readings will be influenced by the noise of trains and patrons coming and going.

## Acoustic Readings

Existing traffic noise environment and peak traffic measurements were taken on 2/04/2024 to 7/04/2024 between 04:45am to 06:45am and 4.45pm to 6.15pm. The free-field noise level at 5 m from the building at each end of the northly aspect and the platform area of the train station. All readings were taken with the doors of the gym closed. The pre sound system activation noise levels varied from 64dB's to 91dB's pending on environmental activity at all test positions. On activation of the sound system there was minimal if any increase in noise level approximately 2dB's or less.

Given the inverse law of sound persons or users at greater distances from the gym would not be impacted by the music from the gym. It is worth noting that due to activity at the station especially when trains were in any noise from the gym was consumed by the other environmental noise.

Kind Regards

Jasper Davitt



Light & Sound Technician  
Advanced Diploma Live Production  
Theatre & Events.

**This copied document to be made available for the sole purpose of enabling its consideration and review as part of a planning process under the Planning and Environment Act 1987. The document must not be used for any purpose which may breach any copyright**