

# ACOUSTIC LOGIC CONSULTANCY

noise and vibration consultants  
abn 11 068 954 343

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MULTIPLEX

ATTN: MR TINO UCCHINO

## LONG BAY PRISON AND FORENSIC HOSPITAL – ACOUSTIC STATEMENT

### 1. INTRODUCTION

This letter discusses the various noise and vibration impacts and nimumates how each impact wil be managed.

### 2. BCA REQUIREMENTS

There are no BCA requirements related acoustics for the classification of this building (acoustic requirements are only required for Class2, 3 and 9C buildings).

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### 3. NOISE EMISSIONS DURING OPERATION

Noise emissions from the building would primarily potentially occur from plant and equipment associated with the development as most human activity occurs indoors with sealed glazing. Noise emissions from this plant will be assessed during the design of these systems and appropriate control methods recommended to control noise emissions to comply with the EPA Industrial Noise Policy Guidelines and the Protection of the Environment Operations Act.

Following are some of the methods that may be employed, as applicable:

- Appropriate selection of plant to minimise noise generation.
- Location of plant to maximise the distance attenuation or screening effects
- Installation of treatment, which may include the enclosure of plant, erection of barriers, lined ducting , silencers, etc.
- Time or capacity management to minimise noise emissions.

### 4. CONSTRUCTION NOISE AND VIBRATION

A construction noise and vibration plan will be developed with Multiplex before commencing work on the site. The management plan would:

- Nominate sensitive receivers around the site.
- Develop noise and vibration targets.
- Assess the impact of proposed construction activities may have on the sensitive receivers identified. Where noise targets are exceeded practical management or physical controls would be recommended to minimise impacts from noise and/or vibration.
- Nominate complaint handling procedures.
- Recommend noise and vibration monitoring.

As excavation and construction proceeds noise and vibration emissions will be monitored in accordance with the management plan and in response to any complaints received.

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

Yours faithfully,



ACOUSTIC LOGIC CONSULTANCY PTY LTD  
Victor Fattoreto