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19 April 2021

Billbergia  
Suite 101, 25 Angas St  
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Attention: Thomas Nader

Dear Thomas,

**RE: LIFT HEADROOM REQUIRMENTS 63-77 WEST PARADE WEST  
RYDE**

**JOB NO.: 190166**

**REVISION NO.: [A]**

All the lifts on this project will be designed to meet the requirements of the BCA, lift standards (AS 1735.1/EN 81-20), and OHS Act (WorkCover).

The headroom's purpose is for the lift car when serving the top floor and the fixed location of components related to the lift's motion—such as the motor and controller. The headroom height is calculated to accommodate the mechanical and personnel safety clearances whilst meeting the requirements of the abovementioned codes.

The original envelope was based on a concept and approved as part of the Part 3A. During the DA phase, VT Consultant (JHA) was engaged to develop the lift design. This process involves analysing the lift traffic, using simulation software, based on the building's specific parameters (estimated population, floor heights, car park levels, and car park spots) against the required lift performance. The proposed lift design now requires a headroom greater than allowed in the concept which did not consider this level of detail; consequently, breaching the existing height plane.

During the Design Development phase, the lift design was progressed with detailed discussions with the developer, design team, and lift contractors to incorporate suggestions and requirements specific to the project. The result is to finalise the lift design making it achievable and minimising or eliminating any further changes to the design. The finalised lift design still requires a headroom that is greater than what was allowed in the concept.

I trust this clarifies the increased headroom requirement.

Yours sincerely,

George Petropoulos

**Vertical Transportation Group Manager**