Dear Janene,

SUBJECT PREMISES: Wicks Park, 182-198 Victoria Rd Marrickville NSW 2204

JHA has modelled lift No.4 to be located in the subject premises with simulation using Elevate traffic analysis software and can confirm performance results were satisfactory assessed using the below industry standard criteria;

Handling Capacity (HC%) = the percentage of the building population transported by the lift system in a five minute period.

Average Waiting Time (AWT) = the average period of time in seconds from when a passenger either registers a landing call, or joins a queue, until the responding lift begins to open its doors at the boarding floor.

Average Time to Destination (ATTD) = the average period of time in seconds from when a passenger either registers a landing call, or joins a queue, until the responding lift begins to open its doors at the destination floor.

Where design guidance targets for performance results are measured in range below;

HC% = 6 – 8

AWT (secs) = 30 – 40 secs range for luxury development & 40 – 65 secs for all others

ATTD (secs) = ≤ 100 secs

The traffic profile used is morning residential peak where pattern = 15% of the building population incoming and 85% of the building population outgoing. For the purpose of this building passenger distribution is 60% bias to ground floor and 40% bias to B1 & B2 car parking levels.

This lift serves Level B1, B2, G & Levels 1 – 10 inclusive for total travel of 39600 mm.
Based on the assessed criteria this lift achieved the following results with 100% occupancy of 121 people (1.5 person / bedroom):

\[ HC\% = 6\% \]
\[ AWT = 41 \text{ seconds} \]
\[ ATTD = 80 \text{ seconds} \]

The current State Environmental Planning Policy No.65 - Design Quality for Residential Apartment Development (SEPP 65) references the Apartment Design Guide July 2015 for consistent planning and design standards for apartment development throughout NSW.

The Apartment Design Guide is designed as a tool for councils, planners, architects and developers who are planning residential apartments, designing a building, or assessing applications.

Within the Apartment Design Guide, the design criteria for vertical transportation services in a building 10 storeys and over is referenced in Objective 4F-1 on page 97 of the ADG which states;

2. For buildings of 10 storeys and over, the maximum number of apartments sharing a single lift is 40

Vertical Transportation services are designed to achieve a defined performance specific to building layout, usage and overall population, as building design is varied so is the Vertical Transportation service requirement.

The application of a ratio only methodology is not used by industry professionals to define the required quantity of lifts for a specific building design as it may result in the over provision or under provision of lifts in some instances.