



## MEMO

**TO:** Angela Kavanagh  
**FROM:** Mark Randle – Vertical Transportation Lead  
**SUBJECT:** WMQ – Childcare Lift Design  
**OUR REF:** 25012021–VT-Memo-Rev3  
**DATE:** 25 January 2021

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Dear Angela,

In response to the Planning, Industry and Environment Letter dated 14/12/2020 (Reference: Waterloo Metro Quarter State Significant Developments (SSD-10437, SSD-10438, SSD-10439, SSD-10440 and SSD-10441); specifically, clause 7 b, WSP confirms the following:

1. The proposed design for the Childcare lift has a maximum capacity of 1275kg, equating to a size of 1400mm wide by 2000mm deep. This complies with the NCC requirements, allows for adequate transportation of parents with prams, with sufficient size allowance for a maximum 15-persons per trip or two adjacent prams and potentially four adults.
2. Based on a child occupancy of 150 children the arrival rate would be equivalent to 300 persons (parent and child) over an anticipated 2-hour period. This equates to approximately 13 persons per 5-minute period, in a single direction.
3. The use of the prominent staircase by patrons will further reduce the demand on the lift, providing an overall excess in lift capacity.

Based on the above, we confirm that the single lift has the capacity to meet the childcare centre demand.

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