

Ryan Lidgard

From: Scott East <scott.east@schindler.com>
Sent: Monday, 1 September 2025 9:35 AM
To: Ryan Lidgard
Cc: Nick Brien
Subject: RE: [EXTERNAL] Lift Requirements - 3-5 Help St, Chatswood

Hi Ryan,

The traffic simulations completed for this project comply with ISO8100-32, this is the global standard for traffic simulations which stipulates the requirements and maximum average wait times at each entrance.

I'm happy to add another lift in, but the building does not require it for ISO8100-32 compliance.

ISO8100-32 requirements.

Table 3 — Typical design criteria for simulation method, depending on building type

Building type and traffic mix	Required handling capacity $\%C_{h,req}$ % of population per 5 min	Required average waiting time $t_{aw,req}$ s
Office: — uppeak traffic (100 % incoming); or — mixed uppeak traffic (85 % incoming, 10 % outgoing, 5 % interfloor); and — lunch traffic (40 % incoming, 40 % outgoing, 20 % interfloor); or — lunch traffic (45 % incoming, 45 % outgoing, 10 % interfloor)	 ≥ 12 % ≥ 12 % ≥ 11 % ≥ 11 %	 ≤ 30 ≤ 35 ≤ 40 ≤ 40
Hotel: — two-way traffic (50 % incoming, 50 % outgoing) NOTE Hotel chains can have their own design criteria.	 ≥ 12 %	 ≤ 40
Residential: — two-way traffic (50 % incoming, 50 % outgoing)	 ≥ 7 %	 ≤ 60

NOTE 1 For an example of use, see [Annex E](#).

The values shown above accommodate standard designs.

NOTE 2 Other values can be used provided they are documented with reasons. The values given can change depending on national and cultural norms, building usage, etc. For example, for luxury residential buildings, the average waiting time should be less than 40 s.

Traffic simulation results.

Summary

This report was carried out in accordance with ISO8100-32.

Residential lifts -

3 x 1275kg units @ 2.5m/s with 1000mm wide doors result in a average wait time of 53.1s @ 7%HC5 which exceeds ISO8100-32 requirements.

Office lifts -

2 x 1179kg units @ 1/s with 1000mm wide doors result in an average wait time of 6s @12%HC5, which exceed the PCA Grade B requirements.

1 Residential. 3 x 1275kg @2.5m/s								
Lifts: 3 Conventional, 1275 kg, 2.50 m/s								
Traffic Situation	Floors	Population	P5	HC5	WT	DT	IS	LW
Two-Way Residential	B6..B2, LG, 3..33	422	30	7.0 %	53.1 s	113.5 s	2.1	16.9 %
			34	8.0 %	60.7 s	126.9 s	2.7	22.7 %
2 Commercial. 2 x 1179kg @ 1m/s								
Lifts: 2 Conventional, 1179 kg, 1.50 m/s								
Traffic Situation	Floors	Population	P5	HC5	WT	DT	IS	LW
Up-Peak	B1..1	179	22	12.0 %	6.0 s	25.9 s	0.3	0.0 %
			23	13.0 %	6.4 s	27.0 s	0.4	0.0 %
Lunch (Multi-Tenant)	B1..1	179	20	11.0 %	8.4 s	26.2 s	0.1	0.0 %
			22	12.0 %	9.0 s	27.1 s	0.2	0.0 %

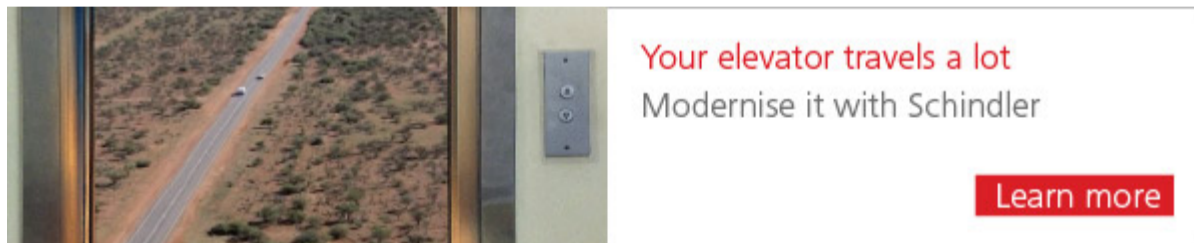
Legend	
Setup	Abbreviations
Traffic Situation: See Section 2	P5: Persons transported on average within 5 minutes
Floors: Floors served by lifts	HC5: P5 relative to group population
Population: Population served by lifts	WT: Average waiting time per passenger
	DT: Average destination time per passenger
	IS: Average number of intermediate stops per passenger
	LW: Passengers waiting more than 90 seconds [%]

Best regards,



Schindler

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From: Ryan Lidgard <rlidgard@loftexproperty.com>
Sent: Tuesday, August 26, 2025 1:53 PM
To: Scott East <scott.east@schindler.com>
Cc: Nick Brien <NBrien@loftexproperty.com>
Subject: RE: [EXTERNAL] Lift Requirements - 3-5 Help St, Chatswood

Hi Scott,

Hope you are well.

We have received a response from the DPHI in relation to our SSDA – see below extract:

- Vertical Circulation: Provide further details on the type of lifts to be used and confirm they can adequately service the proposed number of dwellings, noting that the proposed lifts do not meet the ADG requirements of 1 lift per 40 dwellings.

Could you please provide a cover letter responding to this comment so we can issue to the DPHI.