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<u>Access Review Report for</u> <u>1 Station Lane, Penrith, NSW</u>

Prepared by

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1. Introduction

Loka Consulting Engineers Pty Ltd has been engaged by Antoine J. Saouma Architect to provide accessibility assessment for the proposed residential flat building development located at 1 Station Lane, Penrith, NSW.

An accessibility assessment report has been based on the following drawings prepared by Antoine J. Saouma Architect:

No	Title	Drawing No.	Revision	Date
1	Lower Basement Plan	01	Α	May 2018
2	Upper Basement Plan	02	Α	May 2018
3	Ground Floor Plan	03	Α	May 2018
4	Level 1 Plan	04	Α	May 2018
5	Level 2 Plan	05	Α	May 2018
6	Level 3 Plan	06	Α	May 2018
7	Level 4 Plan	07	Α	May 2018
8	Level 5 Plan	80	Α	May 2018
9	Adaptable Units	19	A	May 2018

2. Purpose of the Report

The purpose of this report is to provide an accessibility review of the subject development to ascertain whether the development is consistent with access and adaptable housing requirements for a proposed residential flat building development.

3. Assessment Criteria

The assessment based on the following legislation, planning instruments and standards pertaining to access for people with disabilities:

1- Australian Standard AS4299 (1995) Adaptable housing

For those instances of "Deemed to Satisfy (DTS) non-compliance", a detailed analysis and commentary is provided. Where items are nominated as 'Compliance Achievable" it is considered that the existing plans are capable of achieving compliance subject to implementation of the requirements in the construction phase of the development.

4. Proposed Development

4.1.Development summary

- The development proposes a residential flat building consisting 2 basement levels, 1 ground level, and 5 upper levels.
- Both basement levels will be used primarily as car parking. There will be a sum of 14 car parking spaces in total, which include 2 accessible parking spaces
- The accessible parking spaces include minimum 2400mm wide spaces adjoining 2400mm wide shared areas.
- The development proposes 2 principal site entrances from Station Lane.
- The development proposes 2 units (3, 7) to be Category C of Adaptable Housing (AS 4299).

4.2. Building Details

- Class 2 the residential flat building
- Class 7a the car parking

5. Australian Standard AS4299 (1995) Adaptable housing

The following assessment summarises the compliance status of the design documentation with reference to AS4299:

Item	Requirement	Compliance	Comments/
			Recommendation
DRAWINGS	Provision of drawings showing the housing unit in its pre-adaptation and post-adaptation stages	Yes Further detailing at CC stage	Pre and post adaptation plans are provided for U3 & U7.
SITING	A continuous accessible path of from street frontage and vehicle parking to entry complying with AS 1428.1	Yes Further detailing at CC stage	There is a continuous accessible path from the 2-basement accessible car parking spaces to the adaptable units via the lift. There is also a continuous accessible path from Station Lane into the building and the 2 adaptable units via the lift.

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LETTERBOXES IN ESTATE DEVELOPMENTS PRIVATE CAR	Letter boxes to be on hard standing area connected to accessible pathway Car parking space or	Yes Further detailing at CC stage	There are letterboxes connected to the accessible entry at ground floor. Accessible car parking
ACCOMMODATION	garage min. area 6.0 m * 3.8 m 5.4 * 3.8 if sheltered	Further detailing at CC stage	spaces comply with AS2890.6. This is also acceptable.
ACCESSIBLE ENTRY	Accessible entry Accessible entry to be level (i.e. max. 1:40 slope) Threshold to be low- level Landing to enable wheelchair manoeuvrability Accessible entry door to have 850 mm min. clearance Door lever handles and hardware to AS 1428.1	Yes Further detailing at CC stage	There are accessible entrances. Ensure accessible entrances are level or at max. 1:40 slope. Ensure the threshold to be low-level. There are landings to enable wheelchair manoeuvrability. Both building entry doors on ground floor and both unit entry doors have 780mm clear width. 850mm proposed at CC stage Ensure door lever handles and hardware comply with AS 1428.1.
INTERIOR: GENERAL	Internal doors to have 820 mm min. clearance Internal corridors min. width of 1000 mm Provision for compliance with AS 1428.1 for door approaches	Yes Further detailing at CC stage	All internal doors have 780mm clear width. 820mm (850mm for accessible rooms) proposed at CC stage. All internal corridors have min. 1000 mm clear width.
LIVING ROOM & DINING ROOM	Provision for circulation space of min. 2250 mm diameter	Yes Further detailing at CC stage	Provision shall be made for circulation space to enable a 360° wheelchair turn after the furniture has been placed (an area of min. 2250 mm diameter).

	7		1
	Telephone adjacent to GPO		Provide telephone adjacent
	10 01 0		to GPO.
			Ensure potential illumination
			level to be min.300 lux.
	Potential illumination		
	level min. 300 lux		
KITCHEN	Minimum width 2.7	Yes	All adaptable kitchens have
	m (1550 mm clear	Further detailing	min. 2.7 m width.
	between benches)	at CC stage	
	Provision for		There are no doors in all
	circulation at doors		adaptable kitchens.
	to comply with AS		All adoptable little and recent
	1428.1		All adaptable kitchens must
	Provision for		comply with the followings:
	benches planned to include at least one		Kitchen legs must be
	work surface of 800		adjustable that allow the
	mm length,		kitchen to be lowered
	adjustable in height		providing at least one work
	from 750 mm to 850		surface of 800 mm length,
	mm or replaceable.		adjustable in height between
	Refer to Figure 4.8		750-850 mm. Work surface
	Refrigerator adjacent		must be adjacent to
	to work surface		refrigerator, and oven. It
	Kitchen sink		must also be min. 800 mm
	adjustable to heights		adjacent to cooktop at same
	from 750 mm to 850		height.
	mm or replaceable		Kitchen sink must be
	Kitchen sink bowl		adjustable to heights
	max. 150 mm deep Tap set capstan or		between 750-850 mm or
	lever handles or		replaceable and the sink
	lever mixer		bowl must be max. 150 mm
	Tap set located		deep.
	within 300 mm of		
	front of sink		Tap set must be located
	Cooktops to include		within 300 mm of front of
	isolating switch side		sink and its type to be
	controls with raised		capstan or lever handles or lever mixer.
	cross bars		level IIIIAGI.
	Cooktops to include		Cooktops must include
	isolating switch		either front or side controls
	Work surface min.		with raised cross bars and
	800 mm length adjacent to cooktop		isolating switch.
	at same height		_
	Oven located		GPOs must comply with AS
	adjacent to an		1428.1 and at least one
	replaceable work		provided within 300 mm of
	adjustable height or	6	double GPO is to be provided within 300 mm of

MAIN PEDROOM	surface GPOs to comply with AS 1428.1. At least one double GPO within 300 mm of front of work surface GPO for refrigerator to be easily reachable when the refrigerator is in its operating position Slip-resistant floor surface	Voc	front of work surface. GPO for refrigerator must be easily reachable when the refrigerator is in its operating position. Ensure the floor surface is slip-resistant.
MAIN BEDROOM	At least one bedroom of area sufficient to accommodate queen size bed and wardrobe and circulation space requirements of AS 1428.2	Yes Further detailing at CC stage	Circulation spaces comply with AS1428.1 and bedroom comply with AS1428.2.
BATHROOM	Provision for bathroom area to comply with AS 1428.1 Slip-resistant floor surface Shower recess - no hob. Minimum size 1160*1100 to comply with AS 1428.1. (Refer Figures 4.6 and 4.7) Shower area waterproofed to AS 3740 with floor to fall to waste Recessed soap holder Shower taps positioned for easy reach to access side of shower sliding track Provision for adjustable, detachable hand held shower rose mounted on a slider grab rail or fixed hook (plumbing and wall - strengthening	Further detailing at CC stage	Toilet pan location is relocated for post-adaptation. Corresponding plumbing facilities are proposed to be capped off in pre-adaptation stage. Basin is overlapping with toilet pan circulation space. Bathroom layout complying with AS1428.1 is proposed at CC stage. Hobless shower is proposed at CC stage. Bathroom must have a firm, slip-resistant surface with a texture that is traversable by a wheelchair. Shower recesses for all adaptable units are too small. Shower area must be waterproofed to AS 3740 with floor to fall to waste.

	provision)		Soap holder must be
	Provision for grab		recessed.
	rail in shower (Refer		
	to Figure 4.7) to		Shower taps must be
	comply with AS		positioned for easy reach to
	1428.1		access side of shower
	Tap sets to be		sliding track.
	capstan or lever		The shower must have
	handles with single		strengthened walls at grab
	outlet Provision for		rail locations, and
	washbasin with		adjustable, detachable hand-
	clearances to comply		held shower rose mounted
	with AS 1428.1		on a slider grab rail or fixed
	Double GPO beside		hook.
	mirror		Type of tap sets must be
			capstan or lever handles with single outlet.
			Washbasin must be installed according to AS 1428.1
			The bothroom plumbing
			The bathroom plumbing
			must be in the same position as pre and post adaptation.
			A double GPO must be provided beside the mirror.
TOILET	Provision of either	Further detailing	Strengthened walls must be
	'visit able toilet' or	at CC stage	provided at grab rail
	accessible toilet		locations.
	Provision to comply		
	with AS 1428.1		The floor surface is slip-
	Location of WC pan		resistant.
	at correct distance		
	from fixed walls		
	Provision for grab		
	rail zone. (Refer		
	Figure 4.6) Slip resistant floor		
	surface. (Vitreous		
	tiles or similar)		
LAUNDRY	Circulation at doors		There is 1550mm circulation
	to comply with AS	Yes	space in front of the
	1428.1	Further detailing	appliances.
	Provision for	at CC stage	• •
	adequate circulation		Provide automatic washing
	space in front of or		machine.
	beside appliances		
	(m in. 1550 mm		There is no clothes line.
	depth)		A 1 11 0PO 11
	Provision for		A double GPO must be

	automatic washing machine Where clothes line is provided, an accessible path of travel to this Double GPO Slip-resistant floor surface		provided. These features are required for pre and post adaptation. Ensure the floor surface is slip-resistant.
GARBAGE		Yes Further detailing at CC stage	There is 1550mm circulation space in front of the garbage chute.
DOOR LOCKS	Door hardware operable with one hand, located 900– 1100 mm above floor	Yes Further detailing at CC stage	D-lever type doors handles must be provided at a height between 900-1100mm from the ground surface with sufficient grasping clearance.