

10th June 2021



Stefan Chalouhi
ADCO Constructions
level 2, 7-9 West Street
North Sydney
NSW, 2060

Dear Stefan

1. Multi Storey Car Park, Liverpool Hospital and Academic Precinct – SSDA Modification Submission – Traffic Design Statement

ptc. has been engaged by ADCO Constructions to provide a traffic design statement to accompany the SSDA modification submission, for the proposed installation of solar panels on Level 7 of the proposed Multi Storey Car Park at Liverpool Health and Academic Precinct.

This letter has been prepared to assess whether the proposed parking layout would comply with the requirements of AS2890.1:2004 Off Street Parking Facilities.

2. Design Statement

With reference to plan SW-2833A/PTC-010 Rev 1, prepared by **ptc.**, dated 9th February 2021, (refer to Attachment 1), with the solar panel support columns located and sized as shown, an assessment of the principal component of the car park and the requirements of the standards are presented in the following table.

Component	Requirement	Provided	Compliance	Notes
Class 3 Short term city & town centre parking, hospital & medical centres				
Space Length	5.4m	5.4m	✓	
Space Width	2.6m	2.6m	✓	
Aisle Width	5.8m	Min. 5.8m	✓	
Grades	1:20 (max) measured parallel to angle of parking 1:16 (max) in any other direction	1:20 (max)	✓	
Height Clearance	2.2m	N/A	✓	Open air car park
Motorcycle Parking (AS2890.1)				
Space Length	2.5m	2.5m	✓	
Space Width	1.2m	1.2m	✓	
General Car Park Requirements				
Door Opening Area	300mm	300mm	✓	
Ramp Grade	1 in 4 for up to 20m (max)	1 in 8	✓	
Transition Grade	1 in 8 for 2.0m (min)	N/A	✓	
Aisle End-Treatment	1m extension	1m extension	✓	

3. Conclusion

Based on our assessment, we confirm that the proposed car park and access arrangements have been designed in accordance with AS2890.1 or have been assessed on a performance basis to be fit for purpose.

If you require any additional information, please do not hesitate to contact me.

Kind Regards



Steve Wellman
Project Director

Document Control: Prepared by *SW* on *10 June 2021*. Reviewed by *SW* on *10 June 2021*.

Attachment 1 Car Park Review