



Accessibility Review Report – DA Review

Project Title: Proposed Residential Development
142 Ocean St, Narrabeen

Job Number: 21120

Date: 15 June 2021

Prepared For: Trio Industries

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ACCESSIBILITY • ESSENTIAL FIRE SAFETY SERVICES

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Contents

1.0	INTRODUCTION	3
1.1	Project Information & Classification	3
1.2	Purpose of the Report.....	3
1.3	Report Scope.....	3
1.4	Limitations of the Report	4
2.0	ACCESSIBILITY DESIGN REVIEW.....	5
	BCA Part D3 – ACCESS FOR PEOPLE WITH DISABILITIES	6
	<i>Cl. D3.1: General building access requirements.....</i>	6
	<i>Cl. D3.2: Access to Buildings</i>	7
	<i>Cl. D3.3: Parts of buildings to be accessible.....</i>	7
	<i>Cl. D3.4: Exemptions</i>	8
	<i>Cl. D3.5: Accessible carparking</i>	8
	<i>Cl. D3.6: Signage</i>	9
	<i>Cl. D3.7: Hearing augmentation</i>	9
	<i>Cl. D3.8: Tactile indicators</i>	9
	<i>Cl. D3.9: Wheelchair seating spaces in Class 9b assembly buildings.....</i>	10
	<i>Cl. D3.10: Swimming pools</i>	10
	<i>Cl. D3.11: Ramps.....</i>	10
	<i>Cl. D3.12: Glazing on an accessway.....</i>	10
	BCA Part E3 – LIFT INSTALLATIONS.....	10
	<i>Cl. E3.6: Passenger lifts</i>	10
	BCA Part F2 – SANITARY AND OTHER FACILITIES.....	11
	<i>Cl. F2.4: Accessible sanitary facilities.....</i>	11
4.0	ACCESSIBILITY COMPLIANCE STATEMENT	12
5.0	REVIEW PROVIDED BY.....	12

Report	Revision	Date	Details
Draft	1.0	15/04/21	Draft for comment/review
Final	1.1	08/06/21	Final Issue for DA Submission
Updated Final	1.2	15/06/21	Minor updated for Final

ACCESSIBILITY DESIGN REVIEW

PROJECT: Proposed Residential Development

ADDRESS: 142 Ocean St, Narrabeen

1.0 INTRODUCTION

This report provides an Accessibility Design Review of the proposed Proposed Residential Development located at 142 Ocean St, Narrabeen.

1.1 Project Information & Classification

The proposed development consists of a multi-storey residential development over a common carpark at the subject site.

It is understood the following Building Code of Australia 2019 building classification(s) apply to the subject building / building part (to be confirmed by the BCA Consultant / PCA) –

Level/Building Part	Building Classification	Use
Lower Ground Floor	Class 7a	Carpark
Ground Floor	Class 2	Residential
First Floor	Class 2	Residential
Second Floor	Class 2	Residential

1.2 Purpose of the Report

Trio Industries engaged the services of ABE Consulting as Accessibility Consultants for this project to undertake an assessment of the proposed design documentation in relation to the accessibility related requirements as identified in Part 1.3 of this report for submission to the Local Council as part of the Development Application documentation.

1.3 Report Scope

This report provides an Accessibility Design Review of the relevant project architectural documentation in the context of the following –

- Part D3, Clause F2.4 and Clause E3.6 'deemed-to-satisfy' (DtS) requirements of Building Code of Australia 2019 Amendment 1 (BCA);
- The Disability (Access to Premises - Buildings) Standards 2010.

This Accessibility Design Review is based on –

- Architectural design documentation prepared by PopovBass, Project No. 0586 as follow –

Dwg#	Title	Date – Issue
DA102	Lower Ground & Ground Floor Plan	WIP - 03
DA103	Level 01 & Roof Plan	01/06/21 - 02
DA104	Elevations	01/06/21 - 02

- The Building Code of Australia 2019 Amendment 1 (BCA) prepared by the Australian Building Codes Board.

- The Guide to the BCA 2019 Amendment 1, prepared by the Australian Building Codes Board.
- The Disability (Access to Premises – Building) Standards 2010.
- Australian Standards AS 1428.1-2009 - Design for Access and Mobility - Part 1: General requirements for access - New building work.
- Australian Standards AS/NZS 1428.4.1-2009 - Design for Access and Mobility - Part 4.1: Means to assist the orientation of people with vision impairment – Tactile ground surface indicators.

1.4 Limitations of the Report

The Disability Discrimination Act (DDA - 1992) is Federal Government legislation enacted in 1993 that seeks to ensure all new building infrastructure, refurbishments, services and transport projects provide functional, equitable and independent accessibility. The DDA is complaints based legislation, which is administered by the Australian Human Rights Commission (AHRC). For any built environment the key requirement of the DDA is to ensure functionality, equity and independence of movement by people with disabilities, their companions, family and carer givers.

A key component of compliance to the DDA is the use of the Disability (Access to Premises - Buildings) Standards 2010, Part D3, Clause F2.4 and Clause E3.6 of the Building Code of Australia 2011 (BCA) and the relevant referenced standards primarily being Australian Standards Suite AS1428 and Australian Standards AS2890.6 – Off-street parking for people with disabilities. The AS 1428 series details technical requirements related to design for access and mobility.

The Building Code of Australia adopted key accessibility and DDA legislation into the 2011 BCA. In particular adherence to the Access to Premises Standard (2010); AS1428.1 2009; AS1428.4.1 2009 and AS2890.6 2009 has become mandatory. However, compliance with these elements does not necessarily result in compliance with the Disability Discrimination Act if the elements of equality, independence and functionality remain compromised within an environment.

This report does not include or assess the following –

- The provisions of the BCA not directly referenced in Part 1.3 of this report;
- Standards not directly referenced in this report; including AS4299-1995 (Adaptable Housing) unless otherwise explicitly specified in Part 1.3 of this report;
- Disability Discrimination Act 1992 (as explored earlier);
- Federal / State / Local planning policies and/or guidelines unless otherwise explicitly specified in Part 1.3 of this report;
- Work Health & Safety considerations or Work Cover Authority requirements;
- This report does not provide any performance based assessments (Performance Solutions) of the BCA;
- This report does not provide any exemptions from the requirements of the BCA.
- This report is not a Part 4A compliance certificate under the Environmental Planning & Assessment Act 1979 or Regulation 2000;
- Review or specification of slip-resistance classification(s) for floor surface finishes / materials. We recommend surface finish advice be sought from an independent specialist slip safety consultant.

2.0 ACCESSIBILITY DESIGN REVIEW

The following tables provide an assessment of the architectural design documentation in relation to the DtS provisions of the BCA / Premises Standards in the context as outlined in Part 1 of this report.

The tables identify each of the relevant assessment outcomes into six (6) main categories, as follows –

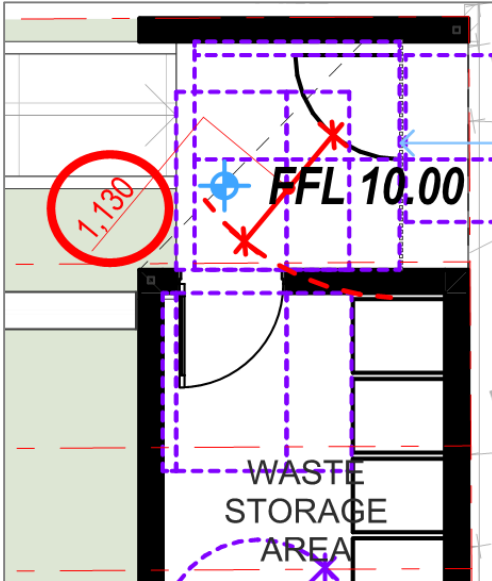
<u>Capable of Complying (CoC) –</u>	Spatial allowance has been made to accommodate compliance where the specification provided has been satisfied.
<u>Compliance Departure (CD) –</u>	A compliance departure with the DtS provisions of the BCA.
<u>Design Detail (DD) –</u>	A detail commentary/specification is offered within the report.
<u>Performance Solution (PS) –</u>	A Performance Solution Report is being pursued to justify the compliance departures
<u>Not Applicable (N/A) –</u>	Not applicable or not relevant to the project. Commentary provided.
<u>Informational (Info) –</u>	Provided for informational purposes

Interpretation Note(s) –

- Readily moveable furniture has been treated as indicative only unless otherwise noted within the report as it is not considered to form part of the building as addressed by the BCA.

BCA Part D3 – ACCESS FOR PEOPLE WITH DISABILITIES

Cl. D3.1: General building access requirements

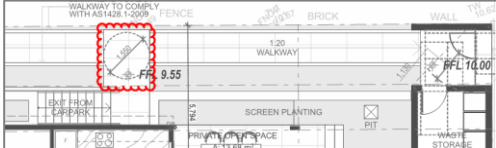
DtS Provision	Comment(s)/Recommendation(s)	Status
<p>Buildings and parts of the building must be accessible as required by Table D3.1, unless exempted by D3.4. Table D3.1 requires that access is provided –</p> <p><u>Class 2 –</u></p> <ul style="list-style-type: none"> From a pedestrian entrance required to be accessible to at least 1 floor containing sole-occupancy units and to the entrance doorway of each sole-occupancy unit located on that level. To and within not less than 1 of each type of room or space for use in common by the residents, including a cooking facility, sauna, gymnasium, swimming pool, common laundry, games room, individual shop, eating area, or the like. Where a ramp complying with AS 1428.1 or a passenger lift is installed— <ul style="list-style-type: none"> a) to the entrance doorway of each sole-occupancy unit; and b) to and within rooms or spaces for use in common by the residents, located on the levels served by the lift or ramp. <p><u>Class 7a –</u></p> <p>To and within any level containing accessible carparking spaces.</p>	<p>Access is generally proposed throughout the required portions of the building as prescribed by Cl. D3.1 of the BCA.</p> <p><u>Doorways</u></p> <p>All doorways along an accessway are required to have a clear door opening width no less than 850mm clear and be provided with door circulation spaces as prescribed by AS1428.1-2009.</p> <p><u>Performance Solution –</u></p> <p>A Performance Solution is proposed to address the reduced 1,450mm distance between successive doors in the area indicated below –</p>  <p>Compliance is readily achievable with minor design development and/or specification at the Detailed Design Stage.</p>	DD & PS

Cl. D3.2: Access to Buildings

DtS Provision	Comment(s)/Recommendation(s)	Status
<p>An accessway must be provided to a building required to be accessible –</p> <ul style="list-style-type: none"> from the main points of pedestrian entry at the allotment boundary; and from another accessible building connected by a pedestrian link; and from any required accessible carparking space on the allotment. <p>In a building required to be accessible, an accessway must be provided through the principal pedestrian entrance, and –</p> <ul style="list-style-type: none"> through not less than 50% of all pedestrian entrances including the principal pedestrian entrance; and in a building with a floor area more than 500m², a pedestrian entrance which is not accessible must not be located more than 50m from an accessible pedestrian entrance. <p>except for pedestrian entrances serving only areas exempted by D3.4.</p>	<p>1x main point of pedestrian entrance is proposed to the building and is readily capable of complying.</p> <p>Compliance is readily achievable with minor design development by removing the gate to the bin room.</p>	DD

Cl. D3.3: Parts of buildings to be accessible

DtS Provision	Comment(s)/Recommendation(s)	Status
<p>In a building required to be accessible every ramp and stairway, except for ramps and stairways in areas exempted by D3.4, must comply with –</p>		
<ul style="list-style-type: none"> for a ramp, except a fire-isolated ramp, clause 10 of AS 1428.1; and 	<p>All non-fire-isolated ramps are required to comply with AS1428.1-2009.</p> <p>Compliance is readily achievable with minor design development and/or specification at the Detailed Design Stage.</p>	DD
<ul style="list-style-type: none"> for a stairway, except a fire-isolated stairway, clause 11 of AS 1428.1; and 	<p>All non-fire-isolated stairways are required to comply with AS1428.1-2009.</p> <p>Compliance is readily achievable with minor design development and/or specification at the Detailed Design Stage.</p>	DD
<ul style="list-style-type: none"> for a fire-isolated stairway, clause 11.1(f) and (g) of AS 1428.1; and 	<p>N/A – no fire-isolated stairways are proposed</p>	N/A

<p>Accessways must have—</p> <ul style="list-style-type: none"> • passing spaces complying with AS 1428.1 at maximum 20 m intervals where a direct line of sight is not available • turning spaces complying with AS 1428.1 at 20m intervals or within 2m of the termination of an accessway. 	<p>Compliance is readily achievable with minor design development and/or specification at the Detailed Design Stage.</p> <p><u>Performance Solution –</u></p> <p>A Performance Solution may be prepared to justify the provision of a slightly reduced 180° turning space in the area indicated below where compliance cannot be achieved –</p> 	DD Or PS
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Cl. D3.4: Exemptions

DtS Provision	Comment(s)/Recommendation(s)	Status
<p>The following areas are not required to be accessible –</p> <ul style="list-style-type: none"> • An area where access would be inappropriate because of the particular purpose for which the area is used. • An area that would pose a health or safety risk for people with a disability. • Any path of travel providing access only to an area exempted by (a) or (b). 	<p>Exemptions are to be reviewed on a case by case basis. We highlight that the following parts of the building have been offered an access exemption (not exhaustive) –</p> <ul style="list-style-type: none"> • Plant & equipment room(s) 	Info

Cl. D3.5: Accessible carparking

DtS Provision	Comment(s)/Recommendation(s)	Status
<p>Accessible carparking spaces are to be provided in accordance with Table D3.5 of the BCA in a Class 7a building and a carparking area on the same allotment as a building required to be accessible.</p> <p>Accessible carparking spaces –</p> <ul style="list-style-type: none"> • are to comply with AS2890.6-2009. • need not be provided in a Class 7a building or a carparking area where a parking service is provided and direct access to any of the carparking spaces is not available to the public • need not be designated where there is a total of not more than 5 carparking spaces, so as to 	<p><u>Class 2 –</u></p> <p>The BCA does not prescribe the provision of accessible carparking spaces for Class 2 buildings.</p>	Info

restrict the use of the carparking space only for people with a disability		
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Cl. D3.6: Signage

DtS Provision	Status
<p>In a building required to be accessible signage complying with Spec. D3.6, AS1428.1-2009 and incorporating the appropriate recognised symbol (as appropriate) for persons with disability must be provided as follows –</p> <ul style="list-style-type: none"> • braille and tactile signage must identify each sanitary facility and space with hearing augmentation; • braille and tactile signage must identify each door required by E4.5 to be provided with an exit sign and state “Exit” and “Level” followed by the floor level number; • signage must be provided within a room containing a hearing augmentation system identifying; the type of system, the area covered within the room and if receivers are being used and where the receivers can be obtained; • signage must be provided for accessible unisex sanitary facilities to identify if the facility is suitable for left or right handed use; • signage to identify an ambulant accessible sanitary facility must be located on the door of the facility; • directional signage where a pedestrian entrance is not accessible. • directional signage where a bank of sanitary facilities are not provided with an accessible sanitary facility. 	DD

Cl. D3.7: Hearing augmentation

N/A – No areas requiring the provision of a hearing augmentation system are proposed.

Cl. D3.8: Tactile indicators

DtS Provision	Comment(s)/Recommendation(s)	Status
<p>Tactile ground surface indicators complying with sections 1 and 2 of AS/NZS 1428.4.1.:2009 must be provided to warn people who are blind or have a vision impairment that they are approaching –</p> <ul style="list-style-type: none"> • a stairway, other than a fire-isolated stairway; • an escalator/moving walk; • a ramp other than a fire-isolated ramp, step ramp, kerb ramp or swimming pool ramp; • in the absence of a suitable barrier an overhead obstruction less than 2 m and where an accessway meeting a vehicular way adjacent to any pedestrian entrance to a building. 	<p>TGSIs are to be provided to –</p> <ul style="list-style-type: none"> • a ramp other than a fire-isolated ramp, step ramp, kerb ramp or swimming pool ramp; • all stairway landings other than where handrails are continuous at mid landings and fire-isolated stairways; • any overhead obstruction less than 2m above floor level. • where an accessway meeting a vehicular way adjacent to any pedestrian entrance to a building. 	DD

Cl. D3.9: Wheelchair seating spaces in Class 9b assembly buildings

N/A – Not a Class 9b building.

Cl. D3.10: Swimming pools

N/A – No common area swimming pool with a perimeter >40m is proposed.

Cl. D3.11: Ramps

N/A – No ramps are proposed.

Cl. D3.12: Glazing on an accessway

DtS Provision	Comment(s)/Recommendation(s)	Status
Where there is no chair rail, handrail or transom, all frameless or fully glazed doors, sidelights and any glazing capable of being mistaken for a doorway or opening, must be clearly marked in accordance with AS 1428.1.		DD

BCA Part E3 – LIFT INSTALLATIONS

Cl. E3.6: Passenger lifts

DtS Provision	Comment(s)/Recommendation(s)	Status
Every passenger lift must – <ul style="list-style-type: none">• be one of the types identified in Table E3.6a, subject to the limitations on use specified in the Table; and• have accessible features in accordance with Table E3.6b; and• not rely on a constant pressure device for its operation if the lift car is fully enclosed.	The proposed passenger lifts shall have the following features – <ul style="list-style-type: none">• Handrail complying with the mandatory handrail provisions of AS1735.12,• Lift floor dimensions not less than 1,100mm x 1,400mm where the lift vertical travel is less than 12m,• Lift floor dimensions not less than 1,400mm x 1,600mm where the lift vertical travel is more than 12m,• Minimum clear door opening complying with AS1735.12,• Passenger protection system complying with AS1735.12,• Lift landing doors at the upper landing,• Lift car and landing control buttons complying with AS1735.12,• Lighting in accordance with AS1735.12,• Automatic audible/visual information within the lift car and at the landings as prescribed,• Emergency hands-free communication, including a button that alerts a call centre of a problem and a light to signal that the call has been received.	CoC

	<p>A design compliance certificate is be obtained from the lift designer to confirm compliance with the relevant provisions of the BCA and Australian Standards.</p> <p>Ensure lift landing controls are provided no less than 500mm from an internal corner.</p>	
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BCA Part F2 – SANITARY AND OTHER FACILITIES

Cl. F2.4: Accessible sanitary facilities

N/A – No common area sanitary facilities are proposed.

3.0 ACCESSIBILITY COMPLIANCE STATEMENT

This report has provided a review of the relevant project design documentation to determine the compliance status of the proposed development against Part D3, Clause F2.4 and Clause E3.6 'deemed-to-satisfy' (DtS) requirements of the Building Code of Australia 2019 Amendment 1 (BCA), The Disability (Access to Premises - Buildings) Standards 2010 and the pertinent Australian Standards.

Following this review and with the adoption of the recommendations/Performance Solutions proposed, ABE Consulting are able to confirm that at the Development Application stage of design, the development can readily achieve compliance with the aforementioned BCA provisions.

4.0 REVIEW PROVIDED BY

<p>Prepared by:</p>  <p><u>Aleksandar Stevanovic</u> Senior Accessibility Consultant B. Construction Management (Hons)</p>	<p>Reviewed by:</p>  <p><u>Abe Strbik</u> Director Member - Association of Consultants in Access Australia # 405</p>
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