Document Control

Job No: 217122

Principal Author:	Issue.	Revision	Date
Michael Moutrie	-	Original for DA	28-12-2017
Verified:	А	Revised Design	19-12-2018
Howard Moutrie			

report

Statement of Compliance Access for People with a Disability

Proposed Mixed Use Development

55 Kalang Rd Elanora Heights

Accessible Building Solutions 124 Upper Washington Drive

Bonnet Bay NSW 2226

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Accredited Access Consultant Howard Moutrie ACAA No 177



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Report

Statement of Compliance - BCA Access Provisions **Report Type: Development:** 55 Kalang Rd Elanora Heights

Introduction:

This report has been prepared to accompany a Development Application and has been based on the following drawings prepared by Ray Fitz-Gibbon Architects:

Floor Plan Levels 1 & 2 DA 02 Floor Plan Levels 3 & 4 DA 03

Limitations and Copyright information:

This report is not to be used for any other purpose than its original intention. The assessment is based on the provided drawings and compliance relies upon the implementation of all the recommendations listed in this report and the works constructed in accordance with AS1428.1-2009 and other latest, relevant standards and regulations applicable at the time of construction.

Assessment is based on the classification/use of the building. If the Class of the building changes to any other building Class, this access report will have to be updated accordingly.

All dimensions mentioned in the report are CLEAR dimensions and are not be reduced by projecting skirting, kerbs, handrails, lights, fire safety equipment, door handles less than 900mm above FFL (finished floor level) or any other fixtures/fit out elements. Only some numerical requirements from relevant AS (Australian Standards) have been noted in the report, however for further details and for construction purposes refer to the relevant AS, a copy of which can be purchased from SAI Global.

This report and the drawings in this report are a copyright of Accessible Building Solutions and can only be used for the purposes of this particular project. This document may also contain Standards Australia Ltd copyrighted material which may not be reproduced.

This report does not assess compliance matters related to WHS, Structural design, Services design, Parts of DDA other than those related to APS or Parts of BCA or Parts of Australian Standards other than those directly referenced in this report.

ABS gives no warranty or guarantee that this report is correct or complete and will not be liable for any loss arising from the use of this report. We are not to be held responsible if LHA comes to a different conclusion about compliance with the Liveable Housing Guidelines. At this point of time only LHA is able to confirm whether a project has met all the requirements needed to be awarded a particular Quality Mark.

We have no ability to check for slip resistance of surfaces. All wet areas, parking areas, pavement markings shall have the appropriate slip resistance for the location. We also have no ability to check for wall reinforcements once the walls have already been constructed. The builder is to take full responsibility that these requirements are met as a part of construction being as per requirements of AS1428.1/AS4299 / AS2890.6/AS3661/AS4586

A report issued for DA (development application) is not suitable for use for CC (construction certificate application).

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Assessment:

Assessment Criteria DA

This assessment has been undertaken to the extent necessary to issue development consent under the Environmental Planning and Assessment Act. Generally, assessment has been in regard to the capability of the proposal to achieve compliance where there is insufficient information to fully assess if compliance has been achieved. The project documentation should incorporate the requirements as listed in this report to ensure compliance.

Compliance is required with the following:

- The Access provisions of the BCA
- The Access To Premises Standard
- AS1428 suite of Standards
- AS2890.6 for car parking
- AS1735.12 for lifts
- SEPP 65 Part 4Q
- Council's DCP relating to Access for People with a Disability

<u>Assessment</u>

The building comprises of basement carparking, ground floor retail and residential units above

Under the BCA the building is classified as follows,

- Class 2 (building containing more than 2 SOUs i.e. sole-occupancy units)
- Class 6 (shops, sale of goods and services by retail)
- Class 7a (car park)

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The following tables assess compliance with the relevant parts of the BCA and Standards <u>BCA Assessment</u>

	BCA Part D3 Access for People with a Disability BCA D3.1 Requirements for Access for people with a disability SOU refers to Sole Occupancy Unit
Requirement	 Class 2 From a required accessible pedestrian entrance to at least 1 floor with SOUs and till the entry of doors of each SOU on that level. To and within 1 of each type of room or space in common use. Where floor is accessed by an AS1428.1 ramp or lift, all SOUs on that level till the entry door and to and within all common use areas on that level.
Compliance Comments	Complies. Access has been provided from the main pedestrian entry to the entry doors of all SOUs on all levels by means of a lift. Details to be verified at CC stage of works.
Requirement	Class 5, 6, 7b, 8, 9a, 9b- Schools and early childhood centres To and within all areas that are normally used by the occupants.
Compliance Comments	Complies. Details to be verified at CC stage of works.
Requirement Compliance	Class 7a To and within any level containing accessible carparking spaces. Complies.
Comments	Access has been provided to the level containing the accessible car parking spaces by means of a lift. Details to be verified at CC stage of works.
Requirement	 In areas required to be accessible, the following is to be provided: Width of accessways shall be min 1M clear, and to be increased for door circulation, turning areas and passing areas as required by AS 1428.1 Doors shall provide a clear opening of 850mm with a step free threshold and the required circulation spaces, hardware and luminance contrast as required by AS 1428.1 Door mats, floor grates and the abutment of different finishes shall comply with BCA and AS 1428.1 In accessible sole occupancy units, the light switches shall be 30x30mm min size at a height to match the door handles. GPOs shall be located between 600 and 1100mm above the floor and 500mm from an internal corner.
Compliance	Capable of compliance.
Comments	All of the above listed requirements are achievable and to be assessed for compliance at verified at CC stage of works.

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	BCA Part D3.2 Access to buildings
Requirement	 Accessway is required from; Main pedestrian entry at the site boundary for new buildings
	 Main pedestrian entry at the site boundary for new buildings Main pedestrian entry door for existing buildings
	 Any other accessible building connected by a pedestrian link Accessible car parking spaces
Compliance	Complies.
Comments	Level access has been provided from the main pedestrian entry at the site boundary.
	Access has been provided from accessible car parking spaces by means of a lift. Details to be verified at CC stage of works.
Requirement	Accessway is required through:
	 Main entry and Not less than 50% of all pedestrian entrances and in building with floor area over
Compliance	500m ² , non-accessible entry and accessible entry to be not more than 50M apart. Capable of compliance.
Comments	The development has only 1 main entry which has been designed to be accessible. Details to be verified at CC stage of works.
Requirement	Where Accessible pedestrian entry has multiple doorways
	 At least 1 to be accessible if 3 provided At least 50% to be accessible, if more than 3 provided
	Where doorway has multiple leaves, at least 1 leaf is to have clear opening of 850mm
Compliance	(excluding automatic doors). Capable of compliance.
Comments	Where multiple leaf doorways have been used, at least 1 operable leaf is required to
	provide a clear opening of 850mm with the door circulations spaces as per AS1428.1. Where single hinged doors have been used, the door leaf is required to provide a clear opening of 850mm with the door circulations spaces as per AS1428.1.
	This is achievable and the door selections are to be verified at CC stage of works.
Requirement	BCA Part D3.3 Parts of buildings required to be accessible Every Ramp (excluding fire-isolated ramp) to be compliant with AS1428.1 and slip
-	resistance of ramp and landings compliant with BCA Table D2.14
Compliance Comments	N/A No ramps have been identified in the development.
Requirement Compliance	Every Walkway to be compliant with AS1428.1 Capable of compliance.
Comments	Detailed features of the walkways will be assessed with the requirements of AS1428.1
	at the CC stage of works.
	Note: all walkways shall have a barrier or continue for a further 600mm in a different material on each side of the walkway.
Requirement	Step / Kerb ramp if provided is to be compliant with AS1428.1 and Slip resistance of ramp and landings compliant with BCA Table D2.14
Compliance	N/A No step / kerb ramps have been identified in the development.
Comments	
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Requirement	Every Stairway (excluding fire-isolated stairway) is to be compliant with AS1428.1 and
-	slip resistance of treads, landings and nosing strips compliant with BCA Table D2.14
Compliance	Capable of compliance.
Comments	Where non-fire-isolated stairways have been provided, the features of the stairway will be assessed with the requirements of AS1428.1 at the CC stage of works.
Requirement	Every Fire-isolated Stairway is to be compliant with the relevant sections of AS1428.1 & slip resistance of treads, landings and nosing strips compliant with BCA Table D2.14
Compliance	Capable of compliance.
Comments	Where fire-isolated stairways have been provided, the features of the stairway will be assessed with the relevant requirements of AS1428.1 at the CC stage of works.
Requirement	Passing spaces requirement It is a requirement to provide passing spaces in accessways complying with AS1428.1 at maximum 20 M intervals, where a direct line of sight is not available. Space required is width of 1800mmx2800mm (in the direction of travel). Chamfer of 400x400mm is permitted at corners.
Compliance	N/A
Comments	There are no accessways over 20 M lengths in the development where a direct line of sight is not available.
Requirement	Turning spaces requirement
	It is a requirement to provide turning spaces in accessways complying with AS1428.1 within 2M of the end of accessways where it is not possible to continue travelling and at every 20M intervals. Space required is width of 1540mm x 2070mm (in the direction of travel).
Compliance	Complies.
Comments	Adequate turning spaces have been provided. Details to be verified at CC stage of works.
Requirement	Carpet specifications Carpet if used in areas required to be accessible are to be provided with pile height or thickness not more than 11mm and carpet backing not more than 4mm bringing the total height to a maximum of 15mm.
Compliance	Capable of compliance
Comments	Only applies to carpets provided in the common use areas and commercial use areas.
	Carpet selections generally take place at CC stage of works. Selection of carpets as specified above will lead to compliance and these selection details are to be verified at CC stage of works.
Requirement	BCA Part D3.4 Exemption Access is not required to be provided in the following areas :
. logan on lon	 where access would be inappropriate because of the use of the area
	where area would pose a health and safety risk
Compliana	any path which exclusively provides access to an exempted area
Compliance	For information only.
Comments	Areas such as lift machine rooms, fire services room, and mechanical rooms in the development are exempted from providing access under this clause due to WHS concerns.

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BCA Part D3.5 Accessible Carparking
Parking Service Accessible carparking space need not be provided when a parking service is provided and direct access to any of the carparking spaces is not available to the public.
N/A
Accessible car parking spaces shall have pavement marking in accordance with AS 2890.6.
Complies.
Note: the pavement marking shall have the appropriate slip resistance for the location.
In situations where not more than 5 carparking spaces have been provided The car parking space need not be designated, so as to restrict the use of the carparking space only for people with a disability.
N/A
Class 2 There are no carparking requirements for a Class 2 under the BCA. If adaptable housing has been mandated by the Council, carparking spaces will be required under the requirements of AS4299- Adaptable housing
N/A
The parking for the adaptable units is assessed later in this report.
Class 5, 7, 8 or 9c - 1 space per 100 carparking spaces Class 6 - 1 space per 50 carparking spaces (up to 1000 spaces) and additional 1 space per additional 100 spaces provided
Complies.
Total number of spaces provided = 6 Total number of Accessible car parking spaces required= 1 Total number of Accessible car parking spaces provided= 1 Car parking spaces are to comply with the requirements of AS2890.6. This is to be verified at the CC stage of works.

BCA Part D3.6 Signage

	BCA Part D3.0 Signage
Requirement	Braille and Tactile signage is required to identify Accessible Sanitary facilities, Fire
	Exits and the location of accessible entrances and toilets
Compliance	Capable of compliance.
Comments	Verify at CC.

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	BCA Part D3.8 Tactile indicators (TGSIs)
Requirement	 TGSIs are required when approaching; Stairways other than fire-isolated stairways and stairways within a SOU of a Class 2 building or a non-accessible SOU of a Class 3 building Escalators / passenger conveyor / moving walk Ramp (other than fire-isolated ramps / kerb or step or swimming pool ramps) Under an overhead obstruction of <2M if no barrier is provided When accessway meets a vehicular way adjacent to a pedestrian entry (if no kerb / kerb ramp provided at the location) Compliance is required with AS1428.4.1 including Luminance contrast and slip resistance requirements for all TGSIs.
Comments	In the proposal, TGSIs are required in the following locations:
Commune	 At top and bottom landings of stairways and 1:14 ramps, <u>600-800mm</u> depth or min 12 discrete cones are required at 300+/-10mm from edge of hazard At mid landings of stairway and 1:14 ramp, <u>300-400mm</u> depth or min 6 discrete cones are required <u>only where handrails are not continuous</u> or landing is more than 3M
	 Where accessway meets a vehicular way, 600-800mm depth or min 12 discrete cones are required at 300+/-10mm from edge of hazard. Under the stairway to warn of overhead obstruction, 600-800mm depth or min 12 discrete cones are required at 300+/-10mm from edge of hazard
	Details to be verified at CC stage of works.
	BCA Part D3.11 Limitations on Ramps
Requirement	A series of connecting ramps cannot have a vertical height of 3.6M
Compliance	A landing for a step ramp cannot overlap a landing for another ramp N/A
Comments	No ramps have been provided in the development.
Requirement	BCA Part D3.12 Glazing on Accessways Glazing requirements- 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 are required to have a glazing strip as per requirements of AS1428.1
Compliance	Capable of compliance
0	
Comments	Applies to full length glazing used in common use areas such as lift lobbies and common passageways and in all commercial use areas. Glazing strip selections generally take place at CC stage of works. Selection of glazing strips as specified above will lead to compliance and these selection details are to be verified at CC stage of works.
Comments	common passageways and in all commercial use areas. Glazing strip selections generally take place at CC stage of works. Selection of glazing strips as specified above will lead to compliance and these

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	BCA Part F Accessible Sanitary Facilities BCA F2.4 Accessible sanitary facilities
Requirement	 Accessible unisex toilet is to be provided in accessible part of building such that; It can be entered without crossing an area reserved for 1 sex only Where male and female sanitary facilities are provided at different locations, Accessible unisex toilet is only required at one of the locations Even distribution of LH and RH facilities If no lift is required to be provided to a level, then accessible facility is not required on that level.
Compliance	Capable of compliance
Comments	To be verified at CC stage of works.
Requirement Compliance	Accessible unisex toilet are to be designed in accordance with AS1428.1 Capable of compliance
Comments	The width and length requirements depend on selected fixtures.
	Minimum size of an accessible toilet is required to be 1.9M x 2.7M after tiling works. To be verified at CC stage of works.
Requirement	Ambulant use male / female toilets are to be provided if an additional toilet to the Accessible unisex toilet is provided.
Compliance	N/A.
Comments	No sanitary facilities in addition to the accessible toilet have been provided in the development.
Requirement	BCA F2.4(a) Accessible unisex sanitary compartments Class 2
-	At least 1 when sanitary compartments are provided in common areas.
Compliance	N/A
Comments	No common use sanitary facilities have been proposed in the development.
Requirement Compliance	Class 5, 6, 7, 8 or 9 (excluding ward area of 9a health-care) 1 on every storey containing sanitary compartments. Where more than 1 bank of sanitary compartments on a level, at 50% of banks
Comments	Capable of compliance To be verified at CC stage
Comments	

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	BCA Part E Lift Installations
Requirement	In an accessible building, every passenger lift must comply with Tables E3.6(a) and E3.6(b).
Compliance	Capable of compliance
Comments	 Lift floor dimensions (excluding stairway platform lift) are listed below. Lifts traveling 12M or under, floor size, 1100mm wide x 1400mm deep Lifts travelling more than 12M, floor size 1400mm wide x 1600mm deep Details to be verified at CC stage of works.
Requirement	If the effective height of the building is over 12M, at least one of the lifts is required to be a stretcher lift, which is to accommodate a raised stretcher with clear space of not less than 600 x 2000mm long x 1400mm high above FFL.
Compliance	Capable of compliance
Comments	Details to be verified at CC stage of works.

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DCP Requirements

Pittwater Council requires 20% of units to satisfy the requirements of Silver Level of the Livable Housing Guidelines. This also responds to SEPP 65 Part 4Q. Units 3 & 6 comply with the guidelines in the table below.

Design Element	Requirements	Compliance / Comments
1 Dwelling Access	 (a) Provide a safe and continuous pathway from: (i) front site boundary or (ii) associated carparking space, if provided, which may include the driveway on the site, to a step-free entrance (not applicable to sites steeper than 1:14) 	Complies
	 (b) The path to be 1M clear, step-free, even, firm, slip-resistant with a crossfall of not more than 1:40. Landings of 1.2M to be every 9M for 1:14 and every 15M for 1:20 (c) Step ramp can be provided for max height of 190mm, max grade of 1:10, min width of 1M and max length of 1900mm. 	Complies N/A
	Note: Level landings of 1200mm required exclusive of the swing of the door or gate and to be provided at the head and foot of the ramp.	N/A
2 Dwelling entry	 (a) Dwelling Entry should provide an entrance door with (i) min clear opening width of door to be 820mm (ii) Step free threshold of max 5mm with rounded or bevelled lip (iii) Sheltered 	Capable of compliance. Verify at CC
	 (b) Level landing of 1200x1200mm at step-free entrance door (c) Max permissible threshold is 56mm where provided with a threshold ramp. (d) Entrance to be connected to a pathway (specified under Element 1) 	
	Note: The entrance to incorporate waterproofing and termite management requirements as specified in the NCC	
3 Car parking	 (a) Where the parking forms part of the dwelling access, the space to be (i) Min 3.2m wide and 5.4m long (ii) even, firm and a slip resistant surface and (iii) level with 1:40 max gradient (1:33 for bitumen) 	
	Note: Does not apply to Class 2 buildings.	
4 Internal doors and corridors	 (a) Doors to rooms on the entry level used for living, dining, bedroom, bathroom, kitchen, laundry and bathroom to be (i) 820mm clear opening and (ii) provided with a level threshold of max 5mm between abutting surfaces with rounded or bevelled lip 	Capable of compliance. Verify at CC
	(b) Internal corridors and passageways to doorway to be min 1M clear.	Complies
5 Toilet	 (a) Toilet to be provided on the ground or entry level with (i) Min 900mm between walls if located in separate room (ii) Min 1200mm clear space in front of the WC pan exclusive of door swing. 	Complies
	(b) If toilet is located in bathroom, toilet pan should be located in corner of the room to enable installation of grabrails.	Capable of compliance. Verify at CC

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	Image: Construction of panel of the pan	
	900 Req. wall reinforcement Shower to be in a corner Shower to be	
6 Shower	(a) One bathroom to have a slip resistant hobless (step free) shower. Shower screens are permitted as long as they can be easily removed at a later date.	Complies
7 Reinforce ment of toilet & bathroom walls	 (b) Shower to be located in the corner of the room (a) Bathroom walls shall be constructed of masonry or provided with wall reinforcement to allow the later fixing of grabrails around the shower, bath (if provided) and toilet. 	Capable of compliance. Verify at CC
	 (b) The fastenings, wall reinforcement and grabrails combined must be able to withstand at least 1100N of force applied in any position and in any direction. Builder to photograph the wall before the sheeting (c), (d) and (e) The walls around toilet / bath and shower to be via: (i) noggings with a thickness of at least 25mm (ii) sheeting with a thickness of at least 12mm Refer to reinforcement diagrams as demonstrated in the Livable Housing Guidelines Document by LHA 	Capable of compliance. Verify at CC
8 Internal Stairways	(a) Where an internal stair rises more than 1M, a continuous handrail must be provided on 1 side.	N/A No internal stairway in units.

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Statement of Compliance

On the basis of the above assessment, I am satisfied that the proposal can achieve compliance with the access provisions of the BCA and SEPP 65.

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Statement of experience





Howard Moutrie

Qualifications: B. Arch (Hons) Registered Architect ARB Reg. No 4550 ACAA Accredited Access Consultant Reg. No. 177 OHS Induction Training, OHS - Monitoring a Safe Workplace Registered Assessor of Livable Housing Australia (License no 10054)

Howard has been or is a member of the following: Standards Australia ME/64 Committee (Access Standards) Sutherland Council Design Review Panel Sutherland Council Access Committee City of Sydney Access Panel 2010 Building Professionals Board Access Advisory Panel ACAA NSW Network of Access Consultants Management Committee

Howard Moutrie is an architect with over 30 years of experience. Howard is an experienced practicing access consultant and has previously spent 10 years on the Standards Australia Disabled Access Committee ME/64, providing input into the AS 1428 suite of Standards and the Adaptable Housing Standard. Howard has provided comment to numerous Councils on their Access Policy and acted as an expert witness in the Land & Environment Court.

Howard maintains a high level of continuing education programs and has presented at numerous seminars and training sessions including ACAA National Conference, ACAA State Network Seminars, RAIA Network Seminars, Building Designers Association Seminars.

Accredited Membe Farah Madon



Farah Madon, is an experienced practicing access consultant and a Sub-Consultant of Accessible Building Solutions. Farah is a:

- Registered Architect (ARB Reg. No 6940) with 17 years of experience
- ACAA Accredited Access Consultant (Reg. No. 281)
- Registered Assessor of Livable Housing Australia (License no 10032)



Farah also participates on the following committees:

- Penrith City Council's Access Committee Member
- National Management Committee member of ACAA
- Management Committee member of ACAA NSW Network of Access Consultants
- Member of the RAIA's National Access Work Group



Livable

Farah Madon

Michael Moutrie is an access consultant. Combined with his training as a travel agent he has reviewed the accessibility of popular tourist areas around the world. Michael has:

- a Certificate IV in Access Consulting,
- completed the Livable Housing Assessor course
- completed the OHS Construction Induction Training Certificate.
- is an associate member of ACAA (No 581).

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