

Access Design Report

DISABILITY DISCRIMINATION ACT 1992 (DDA) ASSESSMENT DISABILITY (ACCESS TO PREMISES-BUILDINGS) STANDARDS 2010 NCC-BCA 2022

1 TRACEY AVENUE CARLINGFORD NEW SOUTH WALES



REPORT PREPARED FOR:
DBG
PROPOSED EARLY LEARNING CENTRE

DEVELOPMENT APPLICATION STAGE

REF# ADR2023.102B MAY 2023



REVISION/VERIFICATION HISTORY

Report	Name	Signature	Date
Developed by	Adrian Gotlieb Qualified Access Consultant Associate member of ACAA	fell.	July. 5 th 2023
Authorised by	Doron Levy	Herry	July. 5 th 2023

Revision.	Remarks	Author	Authorised by	Issue Date
ADR2023.102A	Draft issue for information	Adrian Gotlieb	Doron D. Levy	May 2023
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1 INTRODUCTION

1.1 BACKGROUND

Fahrenheit global was commissioned by DBG to prepare an Access Design Report for the Development Application stage for a proposed Early Learning Centre that will be located at 1 Tracey Ave, Carlingford NSW.

The building comprises 2 storeys above basement parking level. Reception, children's rooms and outdoor playgrounds are located on ground floor. First floor level will also contain children's room with outdoor play area, administration office, staff areas, sanitary facilities and kitchen.

1.1 DISCLAIMER

This report was prepared for the purpose set out herein. Whilst this report is accurate to the best of our knowledge and belief, Fahrenheit Global cannot guarantee completeness or accuracy of any descriptions or information supplied to them during design meetings.

1.2 PURPOSE OF THE REPORT

This report has been undertaken in regard to the capability of the proposal to achieve the spatial requirements deemed necessary to issue a construction certificate consent under the Environment Planning and Assessment Act. based on the drawings prepared by DBG as follow:

Drawings	Description	Author	Issue Date
DA2002-A	Basement Plan	DBG	29/03/2023
DA2003-A	Ground Floor Plan	DBG	29/03/2023
DA2003-A	First Floor Plan	DBG	29/03/2023
DA 3005- A	Section A-A	DBG	29/03/2023

Table 1: Design Plans

1.3 REFERENCED DOCUMENTS

Compliance is required in accordance with the access provisions of:

- 1. Disability (Access to Premises-Buildings) Standards 2010 (Premises Standards)
- 2. NCC-BCA 2022 Part D4 Access for People with a Disability
- 3. NCC-BCA 2022 Part E3D8 Lift Installations
- 4. NCC-BCA 2022 Part F4D5 Sanitary Facilities
- 5. Australian Standards AS1428.1-2009 Design for access and mobility Part 1
- 6. Australian Standards AS1735.12-1999 Lift, escalators and moving walks Part 12
- 7. Australian Standards AS2890.6-2009 Off street parking for people with disabilities



2 NCC/BCA2019 COMPLIANCE ASSESSEMENT

2.1 SECTION D ACCESS AND EGRESS

This section reviews the provision of access for people with a disability, appropriate signage and controls installed to comply with local Legislation and the Building Code of Australia.

BCA Clause	Requirement	Compliance	Comments			
PART A6 BUILDING CLASSIFICATION						
A6G10	CLASS 9 BUILDING					
	A Class 9 building is a building of a public nature that includes one or more of the following subclassifications: Class 9a — a health-care building including any parts of the building set aside as laboratories, and includes a health-care building used as a residential care building. Class 9b — an assembly building including a trade workshop or laboratory in a primary or secondary school. Exemption 1: A6G10(2)(b)excludes any parts of the building that are of another Class. Class 9c — a residential care building.	Yes	CLASS 9b: ASSEMBLY BUILDING / CHILDCARE CENTRE			
A6G8	CLASS 7 BUILDING					
	A Class 7 building is a storage-type building that includes one or more of the following subclassifications: (1) Class 7a — a carpark. (2) Class 7b — a building that is used for storage, or display of goods or produce for sale by wholesale.	Yes	CLASS 7a: CARPARK			
D3D22	(1) Except for handrails referred to in D3D23, and subject to (2), handrails must— (c) in a Class 9b building used as a primary school or a building that contains an early childhood centre— (i) have one handrail fixed at a height of not less than 865 mm; and (ii) in addition to (i), have a handrail— (A) fixed at a height between 665 mm and 750 mm in a primary school; and (B) with a cross-sectional dimension not less than 16 mm and not greater than 45 mm as measured in any direction across its centre, fixed at a height between 450 mm and 700 mm in a Class 9b early childhood centre; and (d) in any other case, be fixed at a height of not less than 865 mm; and (e) be continuous between stair flight landings and have no obstruction on or above them that will tend to break a hand-hold; and (f) in a required exit serving an area required to be accessible, be designed and constructed to comply with clause 12 of AS 1428.1, except that clause 12(d) does not apply to a handrail required by (1)(c)(ii). (2) The height required by (1)(c) and (d) is measured above the nosings of stair treads and the floor surface of the ramp, landing or the like	Yes	Architect to note			



BCA Clause	Requirement	Compliance	Comments
SECTION D	PERFORMANCE REQUIREMENTS		
OLO HON B	- EN GRANGE REGUNERIUS		
D1P1	ACCESS FOR PEOPLE WITH DISABILITY		
	Access must be provided, to the degree necessary, to enable— (a)people to— (i)approach the building from the road boundary and from any accessible carparking spaces associated with the building; and (ii)approach the building from any accessible associated building; and (iii)access work and public spaces, accommodation and facilities for personal hygiene; and (b)identification of accessways at appropriate	Yes	Accessible pedestrian access is proposed from Tracey Ave
D4D4	locations which are easy to find		
D1P4	EXITS		
	Exits must be provided from a building to allow occupants to evacuate safely, with their number, location and dimensions being appropriate to— (a)the travel distance; and (b)the number, mobility and other characteristics of occupants; and (c)the function or use of the building; and (d)the height of the building; and (e)whether the exit is from above or below ground level.	Yes	
D1P6	PATH OF TRAVEL TO EXITS		
	So that occupants can safely evacuate the building, paths of travel to exits must have dimensions appropriate to— (a)the number, mobility and other characteristics of occupants; and (b)the function or use of the building.	Yes	
D1P8	CARPARKING FOR PEOPLE WITH A DISABILITY		
	Carparking spaces for use by people with a disability must be— (a)provided, to the degree necessary, to give equitable access for carparking; and (b)designated and easy to find. Limitation: DP8 does not apply to a building where— (a)a parking service is provided; and (b)direct access to any carparking spaces by the general public or occupants is not available.	Yes	1 accessible carspace is provided on Basement parking Level
D1P9	COMMUNICATION SYSTEMS FOR PEOPLE WITH HEARING IMPAIRMENT		
	An inbuilt communication system for entry, information, entertainment, or for the provision of a service, must be suitable for occupants who are deaf or hearing impaired.	It may comply	Architect to confirm. It may comply
PART D3 AC	CCESS FOR PEOPLE WITH A DISABILITY		
D4D1	DEEMED TO SATISFY PROVISIONS		
	(1) Where a <i>Deemed-to-Satisfy Solution</i> is proposed, <i>Performance Requirements</i> D1P1 to D1P6, D1P8 and D1P9 are satisfied by complying with— (a) D2D2 to D2D23, D3D2 to D3D30 and D4D2 to D4D13; and (d) for additional requirements for Class 9b buildings, Part I1;		Architect to note



BCA Clause	Requirement	Compliance	Comments
D4D2	GENERAL BUILDING ACCESS REQUIREMENTS		
	(8)Class 9b (a) Schools and early childhood centres — to and within all areas normally used by the occupants	Yes	
D4D3	ACCESS TO BUILDINGS		
	(1) An accessway required to be accessible must be provided from (a) The main pedestrian entry points at the allotment boundary (b) Any other accessible building connected by a pedestrian link (c) any required accessible carparking space on the allotment	Yes	Accessible pedestrian access is proposed from Tracey Ave. Due to the site topography and building height setting a platform lift will link footpath level and Ground Floor level.
	(2) In a building required to be accessible an accessway must be provided through the principal pedestrian entrance and (a) Not less than 50% of all pedestrian entries including main entrance (b) In a building >500sqm a non-accessible entry must be <50m from an accessible pedestrian entrance	N/A	
	(3) Where a pedestrian entrance required to be accessible has multiple doorways (a) If the pedestrian entrance consists of not more than 3 doorways, not less than 1 of those doorways must be accessible, and (b) If a pedestrian entrance consists of more than 3 doorways, not less than 50% of those doorways must be accessible	N/A	
	(4) For the purposes of (3)— (a) an accessible pedestrian entrance with multiple doorways is considered to be one pedestrian entrance where— (i) all doorways serve the same part or parts of the building; and (ii) the distance between each doorway is not more than the width of the widest doorway at that pedestrian entrance; and (b) a doorway is considered to be the clear, unobstructed opening created by the opening of one or more door leaves.	N/A	
	(5) Where a doorway has multiple door leaves, unless it is auto opening, at least 1 leaf must have a clear opening of 850mm	N/A	
D4D4	PARTS OF BUILDING TO BE ACCESSIBLE		
	In a building required to be accessible –		
	(a) every ramp and stairway, except for ramps and stairways in areas exempted by D3.4, must comply with: (i) Every ramp which is not fire isolated must comply with Clause 10 of AS 1428.1	Yes	



BCA Clause	Requirement	Compliance	Comments
	(ii) For a stairway which is not fire isolated must comply with Clause 11 of AS 1428.1 (iii)For a fire isolated stairway must comply with Clause 11.1(f)&(g) of AS 1428.1		
	(b)Every passenger lift must comply with E3.6	Yes	To Section E 'Service and Equipment'
	(c) Accessways must have- (i) Passing bays must be provided at max 20m intervals where a direct line of sight is not available. (ii) Turning spaces – (A) within 2m of a dead-end passage (B)must be provided at max 20m intervals along passageway (d) An intersection of accessways satisfies the spatial requirements for a passing and turning space; (e) A passing space may serve as a turning space;	N/A	
D4D5	EXEMPTIONS		
	It is not necessary to provide access to (a). An area which would be inappropriate because of its particular use (b). An area that would pose a health or safety risk for people with a disability (c). A path of travel to a space exempted in (a) or (b).	Noted	
D34D6	ACCESSIBLE PARKING		
D4D7	Accessible carparking spaces— (a)subject to (b), must be provided in accordance with (2)(d) Class 9b building:1 accessible space for every 100 carparking spaces or part thereof in— (i)a Class 7a building required to be accessible; and (ii)a carparking area on the same allotment as a building required to be accessible; and (b)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; and (c)subject to (d), must comply with AS/NZS 2890.6; (d) need not be identified with signage where there is a total of not more than 5 carparking spaces, so as to restrict the use of the carparking space only for people with a disability. SIGNAGE	Yes	1 accessible parking is provided on Basement Level
D4D <i>1</i>	(1) In a building required to be accessible—	It may	Architect to note
	(a) braille and tactile signage complying with Specification 15 must— (i) Incorporate the international symbol of access or deafness, as appropriate, in accordance with AS 1428.1 and identify each— (A)sanitary facility, except a sanitary facility associated with a bedroom in a Class 1b building or a sole- occupancy unit in a Class 3 or Class 9c building; (B)space with a hearing augmentation system; (ii) identify each door required by E4D5 to be provided with an exit sign and state— (A)"Exit"; (B)"Level"; and (C) the floor level number; or a floor level descriptor; or a combination of the two. (b) signage including the international symbol for deafness in accordance with AS 1428.1 must be provided within a room containing a hearing augmentation system identifying— (i) the type of hearing augmentation;	comply	Exit Signs and Accessible toilets to have 'International Symbol of Access' Exit Level 1 Ground & First Floor Level



BCA Clause	Requirement	Compliance	Comments
	(ii) the area covered within the room; (iii)if receivers are being used and where the receivers can be obtained; (c) signage in accordance with AS 1428.1 must be provided for accessible unisex sanitary facilities to identify if the facility is suitable for left or right-handed use; (d) signage to identify an ambulant accessible sanitary facility in accordance with AS 1428.1 must be located on the door of the facility; (e) where a pedestrian entrance is not accessible, directional signage incorporating the international symbol of access, in accordance with AS 1428.1 must be provided to direct a person to the location of the nearest accessible pedestrian entrance; (f) where a bank of sanitary facilities is not provided with an accessible unisex sanitary facility, directional signage incorporating the international symbol of access in accordance with AS 1428.1 must be placed at the location of the sanitary facilities that are not accessible, to direct a person to the location of the nearest accessible unisex sanitary facility; (2) in a building subject to F4D12, directional signage complying with Specification 15 must be provided at the location of each— (a) bank of sanitary facilities; and (b)accessible unisex sanitary facility, other than one that incorporates an accessible adult change facility.		Unisex Toilet RH First Floor Level Ambulant Toilet Unisex Ambulant Toilet Ground Floor Level Ambulant Toilet Basement, Ground & First Floor Level
D4D8	HEARING AUGMENTATION (1) A hearing augmentation system must be provided where an inbuilt amplification system, other than one used only for emergency warning, is installed— (a) in a room in a Class 9b building; or (b) in an auditorium, conference room, meeting room or room for judicatory purposes; or (c) at any ticket office, teller's booth, reception area or the like, where the public is screened from the service provider. (2) If a hearing augmentation system required by (1) is— (a) an induction loop, it must be provided to not less than 80% of the floor area of the room or space served by the inbuilt amplification system; or (b) a system requiring the use of receivers or the like, it must be available to not less than 95% of the floor area of the room or space served by the inbuilt amplification system, and the number of receivers provided must not be less than— (i) if the room or space accommodates up to 500 persons, 1 receiver for every 25 persons or part thereof, or 2 receivers, whichever is the greater; and (ii) if the room or space accommodates more than 500 persons but not more than 1000 persons, 20 receivers plus 1 receiver for every 33 persons or part thereof in excess of 500 persons; and	It may comply	Architect to note



BCA Clause	Requirement	Compliance	Comments
	1000 persons but not more than 2000 persons, 35 receivers plus 1 receiver for every 50 persons or part thereof in excess of 1000 persons; and (iv) if the room or space accommodates more than 2000 persons, 55 receivers plus 1 receiver for every 100 persons or part thereof in excess of 2000 persons. (3) The number of persons accommodated in the room or space served by an inbuilt amplification system must be calculated according to D2D18. (4) Any screen or scoreboard associated with a Class 9b building and capable of displaying public announcements must be capable of supplementing any public address system, other than a public address system used for emergency warning purposes only		
D4D9	TACTILE INDICATORS		
	(1) For a building required to be accessible, tactile ground surface indicators must be provided to warn people who are blind or have a vision impairment that they are approaching— (a) a stairway, other than a fire-isolated stairway; (b) an escalator; (c)a passenger conveyor or moving walk; and (d)a ramp other than a fire-isolated ramp, step ramp, kerb ramp or swimming pool ramp; and (e)in the absence of a suitable barrier— (i)an overhead obstruction less than 2 m above floor level, other than a doorway; (ii)an accessway meeting a vehicular way adjacent to any pedestrian entrance to a building, excluding a pedestrian entrance serving an area referred to in D4D5, if there is no kerb or kerb ramp at that point, except for areas exempted by D4D5. (2)Tactile ground surface indicators required by (1) must comply with sections 1 and 2 of AS/NZS 1428.4.1. (3) A hostel for the aged, nursing home for the iged, a residential aged care building, Class 3 iccommodation for the aged, Class 9a health-care uilding or a Class 9c aged care building need not comply with (1)(a) and (d) if handrails incorporating a raised dome button in accordance with AS/NZS 428.4.1 are provided to warn people who are blind or have a vision impairment that they are approaching a stairway or ramp.	It may comply	Architect to note: TGSI to main pedestrian stairs and stairs connecting Basement, Ground Floor & First Floor Level.
D4D12	RAMPS		
D4D13	On an accessway: (a) A series of connected ramps must not have a combined vertical rise of > 3.6m (b) A landing for a step ramp must not overlap a landing for another ramp or step ramp GLAZING ON AN ACCESSWAY	N/A	
	On an accessway, where there is no chair rail, handrail or transom, all fully glazed or frameless doors, sidelights and any glazing capable of being mistaken for a doorway or opening must be clearly marked in accordance with AS 1428.1	Yes	Architect to note: Confirm fixed and openable glazing area



BCA Clause	Requirement	Compliance	Comments
A\$4429.4.4	ACCESS FOR PEOPLE WITH A DISABILITY		To warring strips on both doors and sidelights Nil warring strip shall be non-transported and have a 20% shanisance contrast to the floor or other surfaces when viewed through the glazing within a distance of 2 metres.
A51428.1 F	ACCESS FOR PEOPLE WITH A DISABILITY		
6.3	In areas required to be accessible, the following are to be considered: Width of access ways min 1m clear, and be increased for door circulation, turning areas and passing areas as required by AS 1428.1		
7.5	Grates shall comply with: (a) Circular openings shall be no greater than 13mm in diameter Slotted openings shall be no greater than 13mm wide and be orientated so that the long dimension is transverse to the dominant direction of travel in diameter	ТВС	The state of the s
10.2	Walkways shall comply with: (a)The floor or ground surface abutting the sides of the walkway shall provide a firm and level surface of a different material to that of the walkway at the same level of the walkway, follow the grade of the walkway and extend horizontally for a minimum of 600mm (Fig. A)unless one of the following is provided: (i)Kerb (Fig. B) (ii) Kerb rail and handrail	TBC	(d) Kerb located states and the states are states as the states are stat
13.3	Clause 13.3.2 Swinging doors The clear circulation space at doorways with swinging doors is based on the clear opening width of the doorway (D). The clear circulation space shall be not less than the dimensions specified in the tables of Figure 31 for the appropriate clear opening width.	Yes	clear door opening security of the contract of
15.5	Door controls	ТВС	(A) Compile of Levier Handle Design: (B) Compile of Levier Handle Leviers Times Tim
AS2890.6-	PARKING FACILITIES	1	- 4
	An angle parking space shall comprise a combination of areas as follows: A dedicated (non-shared) space as follows: 2400mm wide X 5400mm long A shared area on one side of the dedicated space as follows: 2400mm wide X 5400mm long A shared area 2400mm long A shared area 2400mm long X 2400mm wide at one end of the dedicated space. Bollards shall be provided in the shared area.	Yes	VISITOR ACCESSIBLE ZONE LUFT BY STORE LUFT B



2.2 SECTION E SERVICES AND EQUIPMENT

This section reviews the provision of firefighting equipment, Smoke hazard management, lift installations & visibility in an emergency installed to comply with local Legislation and the Building Code of Australia.

BCA	Requirement	Compliance	Comments
Clause			
PART	E3D8 PASSENGERS LIFT		
	In an accessible building every passenger lift must have the following features where applicable: Electric passenger lift - No limitation on use Electrohydraulic passenger lift - No limitation on use	Yes	LIFT Ground Floor Lift
(a)	A handrail complying with the provisions for a mandatory handrail in AS 1735.12 for all lift except- (i) a stairway platform lift (ii) low rise platform lift	Yes	
(b)	Lift floor dimension of not less than 1400 mm wide x 1600 mm deep which travel more than 12m	N/A	
(c)	Lift floor dimensions of not less than 1100mm wide x 1400mm deep when lift travel not more than 12m except a stairway platform lift	Yes	Architect to note & confirm
(d)	Lift floor dimensions of not less than 810 mm wide x 1200 mm deep for a stairway platform lift.	N/A	
(e)	Minimum clear door opening complying with AS 1735.12 for all lifts except a stairway platform lift.	Yes	Architect to note & confirm
(f)	Passenger protection system complying with AS1735.12, all lifts with a power operated door.	Yes	Architect to note & confirm
(g)	Lift landing doors at the upper landing for all lifts except a stairway platform lift	Yes	Architect to note & confirm
(h)	Lift car and landing control buttons complying with AS 1735.12 for all lift except- (i) a stairway platform lift (ii) low rise platform lift	Yes	Architect to note & confirm
(i)	Lighting in accordance with AS 1735.12 for all enclosed cars	Yes	Architect to note & confirm
(j)	For all lifts serving more than 2 levels- (i)Automatic audible information within the lift car to identify the level each time the car stops - (ii)audible and visual indication at each lift landing to indicate the arrival of the lift car- (iii)audible information and audible indication required by (i) and (ii) is to be provided in a range of between 20–80 dB(A) at a maximum frequency of 1 500 Hz.	Yes	Architect to note & confirm
(k)	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, for all lift except stairway platform lift	Yes	Architect to note & confirm



2.3 SECTION F HEALTH AND AMENITY

This section reviews the provision of damp and weatherproofing, sanitary and other facilities, room heights, light and ventilation, sound transmission and insulation installed to comply with local Legislation and the Building Code of Australia.

BCA Clause	Requirement	Compliance	Comments
PART I	F4D5 ACCESSIBLE SANITARY FACILITIES		
(a)	In a building required to be accessible - accessible unisex sanitary compartments must be provided in accessible parts of the building in Class 9b:	Yes	First Floor Unisex Accessible Toilet
	 (a) 1 on every storey containing sanitary compartments; and (b) where a storey has more than 1 bank of sanitary compartments containing male and female sanitary compartments, at not less than 50% of those banks. 	N/A	
(b)	Access. unisex showers must be provided in accordance to table F4D7	N/A	
(c)	At each bank of toilets where there are one or more toilets in addition to an accessible unisex sanitary compartment at that bank of toilets, a sanitary compartment suitable for a person with an ambulant disability in accordance with AS 1428.1 must be provided for use by males and females	Yes	
(d)	an accessible sanitary compartment must contain a closet pan, washbasin, shelf or bench top and adequate means of disposal of sanitary products; and	Yes	
(e)	The circulation spaces, fixtures and fittings of all accessible sanitary facilities provided in accordance with F4D6must comply with the requirements of AS 1428.1	Yes	
(f)	An accessible unisex sanitary facility must be located so that it can be entered without crossing an area reserved for one sex only	Yes	
(g)	where two or more of each type of accessible unisex sanitary facility are provided, the number of left and right-handed mirror image facilities must be provided as evenly as possible; and		
(h)	where male sanitary facilities are provided at a separate location to female sanitary facilities, accessible unisex sanitary facilities are only required at one of those locations; and	N/A	
(i)	an accessible unisex sanitary compartment or an accessible unisex shower need not be provided on a storey or level that is not required by D4D4(f) to be provided with a passenger lift or ramp complying with AS 1428.1.	N/A	



CONCLUSION

Fahrenheit Global has completed the above review, of the provided documentation, in order to assess if the proposal can achieve compliance with the minimum access requirements of the relevant codes and standards.

Following the review and the considerations we are satisfied that the appropriate level of accessibility based on the Disability (Access to Premises-Buildings) Standards 2010, NCC BCA 2022 & AS1428.1-2009 is achieved.

Adrian Gotlieb

Qualified Access Consultant Associate member of ACAA

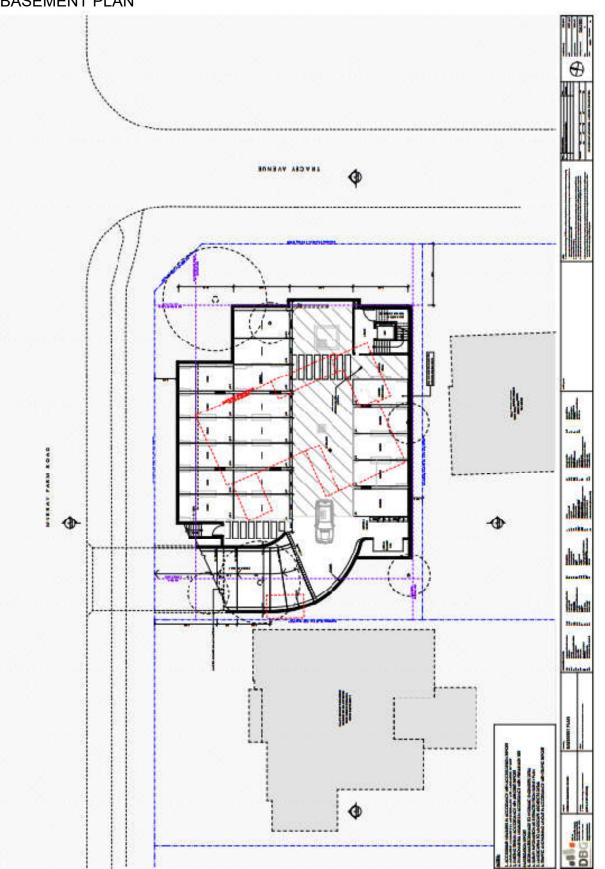
Association of Consultants in Access Australia





ANNEXURE 1

BASEMENT PLAN



Tel: +61 (0)2 83471233 admin@fahrenheitglobal.com Unit 407 77 Dunning Ave Rosebery NSW 2018



GROUND FLOOR PLAN





FIRST FLOOR PLAN

