



Access Assessment Report

Richmond Centre of Excellence



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EXECUTIVE SUMMARY

This document provides an assessment of the architectural design drawings for the proposed school development at Richmond Centre of Excellence, against the Deemed-to-Satisfy provisions of the provisions relating to Access for Persons with a Disability.

Part 2 'Matters for Further Consideration' of this report outlines the identified compliance issues that require further information or consideration and/or assessment as Performance Solutions at Detailed Design stage.

Item	Description	BCA Provision
Performance Solutions Required		
1.	None proposed at this stage.	
Further Information Required – to be reviewed Detailed Design Stage		
1.	Confirm external accessways are provided to all accessible buildings with suitable gaps between timber boards if proposed	D3.2
2.	Block B/C/D: Architect to nominate accessible entry doors and pathways within buildings	D3.2
3.	Block F: Which common room/s will be used by students and therefore require accessible door & turning space?	D3.3

The Annexures of this Report provide detailed assessments of the proposal against all compliance requirements.

1 BASIS OF ASSESSMENT

1.1. Location

The building development, the subject of this report, is located at Richmond Centre of Excellence in Agricultural Education. The development is for the construction and operation of a new Centre of Excellence (CoE) in Agricultural Education on leased land (11.37 Hectares) within the Western Sydney University (Hawkesbury Campus) site, Richmond. The CoE will provide new agricultural / STEM teaching facilities with general learning and administration spaces to be utilised by rural, regional, metropolitan and international students.

The school development consists of the following single storey buildings:

- Block A Administration
- Block B/C/D Learning
- Block E Dining/Conference Hall
- Block F Accommodation
- Block G&H Farming

1.2. Purpose

The purpose of this report is to assess the proposed building against the documents and their relevant Deemed to Satisfy requirements. The report is intended to clearly outline those areas where compliance is not achieved and provide recommendations to achieve compliance:

- > Disability (Access to Premises – Buildings) Standards 2010 (Premises Standards);
- > Building Code of Australia 2019 (BCA2019) Volume 1 Amendment 1 – Part D3 and Clauses E3.6 and F2.4;
- > Applicable Australian Standards AS1428.1:2009, AS/NZS1428.4.1:2009 and AS/NZS2890.6:2009.

1.3. Limitations

This report is limited to an assessment of the access and amenity provisions for people with a disability against the documents as outlined in 1.2 above. It is not an assessment of the proposal against all provisions of the BCA2019 and if this is required, a separate report will be necessary.

This report does not include nor imply any detailed assessment for design, compliance or upgrading for:

- > The structural adequacy or design of the building;
- > The inherent derived fire-resistance ratings of any existing or proposed structural elements of the building (unless specifically referred to); and
- > The design basis and/or operating capabilities of any existing or proposed electrical, mechanical or hydraulic fire protection services.

This report does not include, or imply compliance with:

- > The Disability Discrimination Act (it cannot be guaranteed that that a complaint under the DDA will not be made, however should the building comply with BCA2019 and the Premises Standard then those responsible for the building cannot be subject to a successful complaint);
- > BCA2019 Sections B, C, E, F, G, H, I, J, Parts D1 and D2 – refer separate BCA report prepared by BCA Logic Pty Ltd;
- > Demolition Standards not referred to by the BCA2019;

- > Work Health and Safety Act;
- > Construction Safety Act;
- > Requirements of other Regulatory Authorities including, but not limited to, Telecommunications Supply Authority, Water Supply Authority, Electricity Supply Authority, Work Cover, Roads and Maritime Services (RMS), Local Council, ARTC, Department of Planning and the like;
- > Conditions of Development Consent issued by the Local Consent Authority; and
- > This report does not assess the safety of the particular aspects of the building but merely the minimum standards called up by the documents outlined in Part 1.2 of this report.

1.4. Federal Disability Discrimination Act (DDA)

Disability is broadly defined and includes disabilities which are physical, intellectual, psychiatric, neurological, cognitive or sensory (a hearing or vision impairment), learning difficulties, physical disfigurement and the presence in the body of disease-causing organisms.

All organisations have a responsibility, under the DDA, to provide equitable, dignified access to goods and services and to premises used by the public. Premises are broadly defined and would include all areas included within the subject development.

The DDA applies nationally and is complaint based. While the Disability (Access to Premises – Buildings) Standards 2010 and the BC2019 are recognised as a design standard to satisfy certain aspects of the DDA, compliance with the BCA2019 and the referenced standards does not guarantee that a complaint will not be lodged.

1.5. Disability (Access to Premises – Buildings) Standards 2010 (Premises Standards)

The aim of the Premises Standards is to provide the building and design industry with detailed information regarding the required access provisions associated with the design and construction of new buildings and upgrade to existing buildings.

The Premises Standards intend to provide certainty for the building industry in relation to meeting the requirements for access in new and upgraded buildings. They only apply to elements addressed within the Standards. All other elements related to premises will still be subject to the existing provisions of the DDA.

The Premises Standards generally align with the BCA2019 and reference a range of Australian Standards relating to access and other associated matters.

1.6. Design Documentation

This report has been based on the Design plans and Specifications listed in Annexure A of this Report.

1.7. Definitions

Accessible

Having features to enable use by people with a disability.

Accessway

A continuous accessible path of travel (as defined in AS 1428.1) to, into or within a building.

Continuous Accessible Path of Travel

An uninterrupted path of travel to, into or within a building providing access to all access facilities.

Luminance Contrast

The light reflected from one surface or component, compared to the light reflected from another surface or component.

Ramp

An inclined surface on a continuous accessible path of travel between two landings with a gradient steeper than 1 in 20 but not steeper than 1 in 14.

Tactile Indicators

Tactile Ground Surface Indicators (TGSIs)

Truncated cones and/or bars installed on the ground or floor surface, designed to provide pedestrians who are blind or vision-impaired with warning or directional orientation information

2 KEY COMPLIANCE CONSIDERATION

2.1. General

The following is a summary of all the individual elements that relate directly to the ability of a person with a disability to access all the portions of the building required to be accessible.

Accessibility has been assessed against the documents outlined in Part 1.2 of this Report. The Annexures to this report provides a detailed assessments of the proposal against ALL relevant Deemed-to-Satisfy Provisions and prescriptive requirements

Note: It is important that the Annexures are read in conjunction with the items below, as some matters may not have had sufficient information provided to allow a detailed assessment to be undertaken.

2.2. Classification

Under the provisions of Parts A6 of BCA2019 and Part A4 of the Access Code, the building has been classified as follows:

Table 1. Building Classification

Class	Level	Description
5	Block A	Administration
9b	Block B/C/D/E	School Buildings
9b	Block E	Dining/Conference
3	Block F	Student Accommodation
7b	Block G&H	Farming / Storage
10b	School Site	Covered awnings to walkways

2.3. Dimensions and Tolerances

The Premises Standards and BCA contains the minimum standards for building construction and safety, and therefore generally stipulates minimum dimensions which must be met. BCA Logic's assessment of the plans and specifications has been undertaken to ensure the minimal dimensions have been met.

The designer and builder should ensure that the minimum dimensions are met onsite, and consideration needs to be given to construction tolerances for wall set outs, applied finishes and skirtings to corridors and bathrooms for example, tiling bed thicknesses and the like which can adversely impact on critical matters such as access for people with disabilities, stair and corridor widths and balustrade heights.

2.4. Performance Based Design – Performance Solutions

There are specific areas throughout the development where strict Deemed-to-Satisfy Premises Standards and BCA Compliance will not be achieved by the proposed design and site constraints. These matters will need to be address in a detailed Performance Solution Report to be prepared for this development under separate cover:

Table 2. Performance Solutions

Item	Description of Performance Solution	DTS Provision
1.	None proposed at this stage	

2.5. Residential Sole Occupancy Units

The following table summarises the required accessible features for the proposed Block F Residential SOUs. This is based upon the Premises Standards Access Code and BCA2019;

Table 3. Residential Sole Occupancy Units

Unit Type	SOU's
Accessible SOU	BCA Table D3.1 requires two (2) accessible SOU's: BF.09, BF.10 & BF.18 are identified and designed as Accessible SOU's.

2.6. Areas Required to be Accessible

The following areas of the building are required to be accessible:

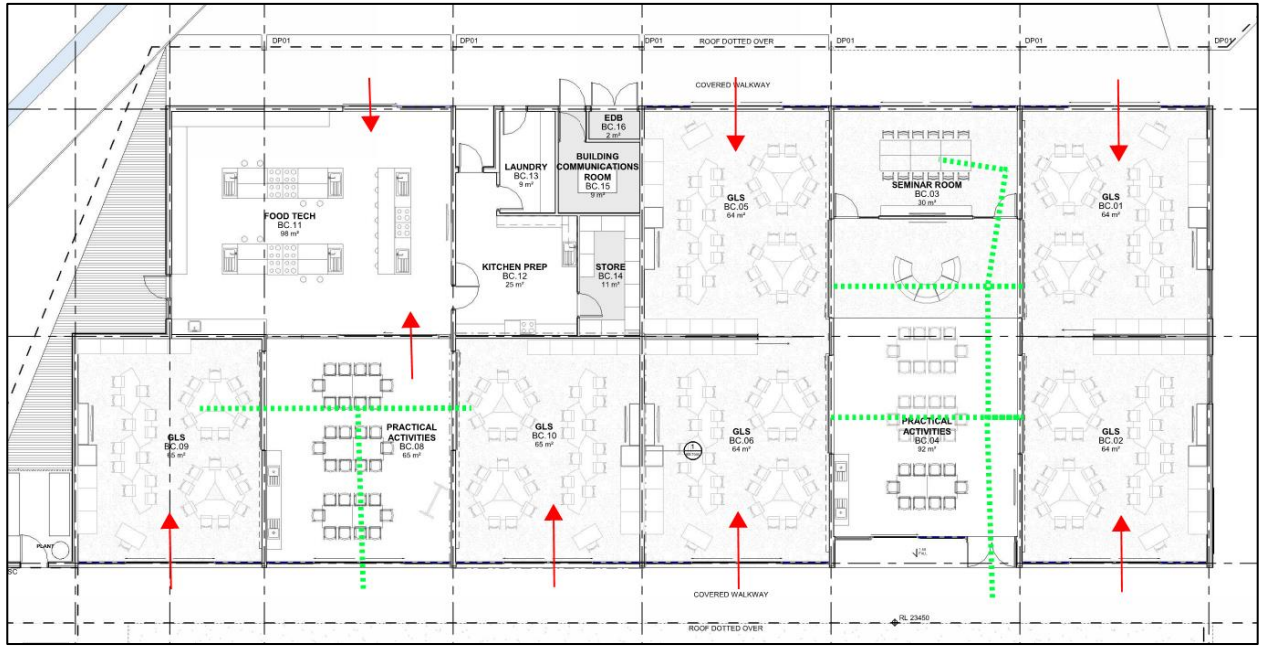
Table 4. Areas Required to be Accessible

Area / Room	Description
Block F Class 3 Accommodation	Common areas and rooms of Block F and the three (3) accessible SOU's
Block A Administration	To and within all areas normally used by the occupants
Block G&H Farming	To and within all areas normally used by the occupants
Block B/C/D/E School Buildings	To and within all areas normally used by the occupants at the school

Note: The limitations and exemptions of Clauses D3.2, D3.3 and D3.4 of the BCA2019 and Access Code been considered where applicable in the process of developing the above table.

2.7. Design Items Requiring Attention

- (a) Accessible entry / doorways into each Block: Design team to consider and identify the accessible entry doors into each block and the accessible doors between learning spaces within each Block.
- Block C is an example below/
 - Is accessway provided into Practical Activities then via internal accessible sliding doors into each GLAS? Refer Green lines below.
 - External sliding doors have challenges to being accessible: must have flush thresholds and have no more than 20N opening force. Weather protection at thresholds?
 - Internal sliding doors can generally be hung from top rail for flush thresholds and more likely to achieve no more than 20N opening force for top hung doors with the correct sliding door hardware. Although, these internal doors are large, and consideration should be given how to achieve 20N opening force.
 - Architect to nominate accessible entry doors and pathways within buildings.



Annexure A – Design Documentation

This report has been based on the following design documentation by NBR Architecture, dated 09/04/2021.

Sheet List			
Drawing No.	Drawing Name	Issue	Date
SD-0000	Cover Page	7	09/04/2021
SD-0001	Drawing List & Areas	7	09/04/2021
SD-0050	Concept	7	09/04/2021
SD-0053	Spatial Flow Diagram	6	09/04/2021
SD-0101	Climate Analysis	6	09/04/2021
SD-0102	Proposed Site Plan	13	09/04/2021
SD-0103	Proposed Roof Plan	3	09/04/2021
SD-0104	Demolition Plan	7	09/04/2021
SD-0105	Site Circulation Plan	2	09/04/2021
SD-0106	Site Security/ Fence Plan	4	09/04/2021
SD-0107	Fire Compartments	3	09/04/2021
SD-0108	DfMA Grid Diagram	6	09/04/2021
SD-1000	Ground Floor Plan Part 1	8	09/04/2021
SD-1001	Ground Floor Plan Part 2	8	09/04/2021
SD-1003	Ground Floor Plan Part 3	8	09/04/2021
SD-1010	Block A Plan	8	09/04/2021
SD-1011	Block B Plan	8	09/04/2021
SD-1012	Block C Plan	8	09/04/2021
SD-1013	Block D Plan	8	09/04/2021
SD-1014	Block E Plan	8	09/04/2021
SD-1015	Block F Plan	8	09/04/2021
SD-1016	Block G & H Plans, Roof Plans and RCPs	8	09/04/2021
SD-1017	Aboriginal Enterprise Plans	2	09/04/2021
SD-1018	Block C-D Walkways Plans	1	09/04/2021
SD-1019	Block E-F Walkways Plans	1	09/04/2021
SD-1020	Block A Roof Plan	2	09/04/2021
SD-1021	Block B Roof Plan	2	09/04/2021
SD-1022	Block C Roof Plan	2	09/04/2021
SD-1023	Block D Roof Plan	2	09/04/2021
SD-1024	Block E Roof Plan	2	09/04/2021
SD-1025	Block F Roof Plan	2	09/04/2021
SD-2000	Block A RCP	2	09/04/2021
SD-2001	Block B RCP	2	09/04/2021
SD-2002	Block C RCP	2	09/04/2021
SD-2003	Block D RCP	2	09/04/2021
SD-2004	Block E RCP	2	09/04/2021

Sheet List			
Drawing No.	Drawing Name	Issue	Date
SD-2005	Block F RCP	2	09/04/2021
SD-3000	Block A Elevations	3	09/04/2021
SD-3001	Block B Elevations	3	09/04/2021
SD-3002	Block C Elevations	3	09/04/2021
SD-3003	Block D Elevations	3	09/04/2021
SD-3004	Block E Elevations	3	09/04/2021
SD-3005	Block F Elevations	3	09/04/2021
SD-3006	Block G & H Elevations & Sections	3	09/04/2021
SD-4000	Block A & B Sections	3	09/04/2021
SD-4001	Block C & D Sections	3	09/04/2021
SD-4002	Block E & F Sections	3	09/04/2021
SD-5000	Typical Details		
SD-5020	Typical Wet Area Mounting Heights		
SD-6000	Typical External Stair Details		
SD-6001	Typical Internal Stair Details		
SD-6010	Typical External Ramp		
SD-6100	Typical Balustrades/Handrails		
SD-7000	Typical GLS	2	09/04/2021
SD-7001	Typical Science Lab	2	09/04/2021
SD-7002	Typical PAA	2	09/04/2021
SD-7003	Typical Accommodation	2	09/04/2021
SD-8000	CoE Colour Palette Board	2	09/04/2021
SD-8001	Exterior Finishes	5	09/04/2021
SD-8100	Window Schedule		
SD-8101	Window Schedule		
SD-8102	Window Elevations		
SD-8103	Window Elevations		
SD-8104	Window Elevations		
SD-8200	Door Schedule		
SD-8201	Door Elevations		
SD-8300	Wall Types Schedule		
SD-8500	Signage		
SD-10000	Render	2	26/02/2021
SD-10001	Render	2	26/02/2021
SD-10002	Render	2	26/02/2021

Annexure B - Premises Standards & BCA Assessment

N/A	Not Applicable. The Deemed-to-Satisfy clause is not applicable to the proposed design.
Complies	The relevant provisions of the Deemed-to-Satisfy clause have been satisfied by the proposed design.
CRA – Refer Annexure D	'COMPLIANCE READILY ACHIEVABLE'. It is considered that there is not enough information included in the documentation to accurately determine strict compliance with the individual clause requirements. However, with further design development, compliance can readily be achievable. This item is to be read in conjunction with the BCA Specification included within Annexure C of this report.
FI	Further Information is necessary to determine the compliance potential of the building design.
PS	Performance Solution with respect to this Deemed-to-Satisfy Provision is necessary to satisfy the relevant Performance Requirements.
DNC	Does Not Comply.
Noted	BCA Clause simply provides a statement not requiring specific design comment or confirmation.

Building Code of Australia 2019 Assessment Summary (BCA2019) / Premises Standards (Access Code)

Table 5. BCA 2019 Summary

Clause	Clause Requirements	Comment	Status
Section D: Access and Egress			
Part D3 – Access for People with a Disability			
D3.0: Deemed-to-Satisfy Provisions	Informational		Noted
D3.1: General Building Access Requirements	<p>Choose the applicable building classes:</p> <p>An accessway complying with AS1428.1 is required to the following:</p> <p>Class 3 –</p> <p>From a pedestrian entrance to at least 1 floor containing SOU's, to the entrance doorway of each SOU located on that level, and any other level served by a passenger lift or an accessible ramp.</p> <p>To and within not less than 1 of each type of room or space for use in common by the residents (e.g. cooking facility, storeroom, laundry, etc.)</p> <p>To at least two (2) accessible SOU's.</p> <p>Class 5 –</p> <p>To and within all areas normally used by the occupants.</p> <p>Class 7 –</p> <p>To and within any level containing accessible carparking spaces.</p> <p>Class 9b –</p> <p>To and within all areas normally used by the occupants of the school.</p>	<p>Block F Class 3: Three (3) accessible SOUs are provided. Access will be provided to the common use rooms and the entrance doorway of each SOU.</p> <p>Block A: Access will be provided to and within all areas normally used by the occupants.</p> <p>Block G&H: Access will be provided to and within all areas normally used by the occupants.</p> <p>Block B/C/D/E: Access will be provided to and within all areas normally used by the occupants.</p>	<p>CRA Refer Annexure D</p>

Section D: Access and Egress			
D3.2: Access to Buildings	<ul style="list-style-type: none"> (a) An accessway must be provided to a building required to accessible – <ul style="list-style-type: none"> (i) from the main points of a pedestrian entry at the allotment boundary; and (ii) from another accessible building connected by a pedestrian link; and (iii) from any required accessible carparking space on the allotment. (b) In a building required to be accessible, an accessway must be provided through the principal pedestrian entrance, and – <ul style="list-style-type: none"> (i) through not less than 50% of all pedestrian entrances including the principal pedestrian entrance; and (ii) in a building with a total floor area more than 500 m², a pedestrian entrance which is not accessible must not be located more than 50 m from an accessible pedestrian entrance, <p style="margin-left: 40px;">except for pedestrian entrances serving only areas exempted by D3.4.</p> (c) Where a pedestrian entrance required to be accessible has multiple doorways— <ul style="list-style-type: none"> (i) if the pedestrian entrance consists of not more than 3 doorways — not less than 1 of those doorways must be accessible; and (ii) if a pedestrian entrance consists of more than 3 doorways — not less than 50% of those doorways must be accessible. (d) For the purposes of (c)— <ul style="list-style-type: none"> (i) an accessible pedestrian entrance with multiple doorways is considered to be one pedestrian entrance where— 	<p>Primary pedestrian entrance is off Vines Drive to the security fence which will main entry gates adjacent to Block A. There will also be an accessway to front entry of Block A.</p> <p>Accessway will be provided as connection between all buildings on site used for school purposes, including accessway provided to Block G&H in accordance with AS 1428.1:2009.</p> <p>Accessway will be provided from accessible parking spaces adjacent Block F to main pathways in accordance with AS 1428.1:2009.</p> <p>Accessway will be provided from accessible parking spaces opposite Block A to Block A pedestrian entry and to main pathways in accordance with AS 1428.1:2009.</p> <p>Block A: Staff entry door and both Reception doors will be accessible.</p> <p>Block B&C: Access is to be assessed and determined by design team /client on whether access into GLS rooms is via external or internal sliding doors – to be advised during detailed design stage.</p> <p>Block D: Access is to be assessed and determined by design team /client on whether access into Science Labs is via external or internal sliding doors – to be advised during detailed design stage.</p> <p>Block E: Both double doors to COLA will be accessible entry doors.</p> <p>Block F: Access will be provided through the security gates for each 4-bed unit to allow access to the entry doorway of each SOU. Each door into an accessible SOU will comply with AS 1428.1, however the sliding screen between beds is not required to be considered an accessible doorway. Common rooms will be accessible.</p>	<p>CRA</p> <p>Refer Annexure D</p>

Section D: Access and Egress			
	<p>(A) all doorways serve the same part or parts of the building; and</p> <p>(B) the distance between each doorway is not more than the width of the widest doorway at that pedestrian entrance (see Figure D3.2); and</p> <p>(ii) a doorway is considered to be the clear, unobstructed opening created by the opening of one or more door leaves (see Figure D3.2).</p> <p>(e) Where a doorway on an accessway has multiple leaves, (except an automatic opening door) one of those leaves must have a clear opening width of not less than 850 mm in accordance with AS 1428.1.</p>		
D3.3: Parts of Buildings to be Accessible	<ul style="list-style-type: none"> > Walkways and ramps must comply with clause 10 of AS 1428.1-2009. > Non-fire-isolated stairways must comply with Clause 11 of AS 1428.1-2009. <p>The accessways must be provided with:</p> <ul style="list-style-type: none"> > Passing spaces (1800x2000mm) complying with AS1428.1 at 20m max. intervals where direct line of sight is not available. > Turning spaces (1540x2070mm) complying with AS1428.1 within 2m of the end of accessways (including corridors or the like); and at 20m max. intervals along an accessway. > An intersection of accessways satisfies the spatial requirements for a passing and turning space. <p>Note: The Access to Premises Standards to not provide the concessions provided in sub-cluses (g) and (h) in this clause, hence compliance with the Access to Premises Standards will require the floor covering in the accessible</p>	<p>Walkways and ramps must comply with clause 10 of AS 1428.1-2009.</p> <p>Non-fire-isolated stairways must comply with Clause 11 of AS 1428.1-2009.</p> <p>Block B/C/D/E: Accessway to and within learning rooms within each block will be further assessed and detailed during design phase. Accessible doorways will be identified and designed accordingly to AS 1428.1.</p> <p>Block F: Will students use the storeroom? If yes it will need to accommodate turning space 1540 x 2070mm in front of allocated accessible storage units for accessible SOUs.</p> <p>Block F: Will students use the laundry? If yes it will need to be larger to accommodate turning space 1540 x 2070mm in front of appliances?</p> <p>Block F: Accessible SOUs – the sliding doors to the bedrooms are not provided with 530mm latchside clearance from inside the bedrooms – to be reviewed during Detailed Design stage.</p>	<p>CRA Refer Annexure D</p>

Section D: Access and Egress			
	areas to strictly comply with Clause 7.4.1(a) of AS1428.1-2009.		
D3.4: Exemptions	Certain areas can be exempted under this clause if pose a health and safety risk for people with disability and /or access would be inappropriate because the particular purpose for which this area is used (e.g. plant rooms, service areas, heavy / toxic item storage, etc.)	<p>The following areas within this development have been identified as potential excepted areas, subject to certifier's approval:</p> <ul style="list-style-type: none"> > Block A – Main Comms Room, Cleaner Room. > School Buildings: All Comms and EDB rooms, Cleaners rooms. > Block C: Laundry, Storeroom. > Block E: Whilst the main cooking areas in the Canteen/Kitchen are not considered to require accessway around benches/appliances, the doorway into the room will be accessible for general access into the room. > Block G: Potting room > Block H: Animal Space area 	Noted
D3.5: Accessible Car Parking	<p>Accessible carparking spaces to be in compliance with this Clause, AS/NZS2890.6 and AS1428.1 in the proportion required by BCA2019.</p> <p>Accessible carparking spaces compliant with AS2890.6 will require 2400x5400mm plus an adjacent shared zone of 2400x5400mm. Bollard, demarcation and accessible signage to comply with AS/NZS2890.6.</p>	<p>One accessible parking space is provided at Block A entry area.</p> <p>Two accessible parking spaces are provided at parking area adjacent Block F.</p> <p>To be reviewed at detailed design phase.</p>	CRA Refer Annexure D
D3.6: Signage	<ul style="list-style-type: none"> > Braille and tactile signage complying with Specification D3.6 and incorporating the international symbol of access, or deafness as appropriate, must identify each: <ul style="list-style-type: none"> o sanitary facility; and o any space with a hearing augmentation system; and 	To be reviewed at detailed design phase.	CRA Refer Annexure D

Section D: Access and Egress			
	<ul style="list-style-type: none"> ○ identify each door required by E4.5 to be provided with an exit sign and state “Exit” and “Level” and either: <ul style="list-style-type: none"> (aa) the floor level number; or (bb) a floor level descriptor; or (cc) a combination of (aa) and (bb) > 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 – <ul style="list-style-type: none"> > the type of hearing augmentation; and > the area covered within the room; and > if receivers are being used and where the receivers can be obtained. > Signage to accessible sanitary facilities must identify if the facility is suitable for left or right handed use; and > Signage to identify an ambulant accessible facility in accordance with AS 1428.1 must be located on the door of the facility. > 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; <p>Where a bank of 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 facility.</p>		

Section D: Access and Egress			
<p>D3.7: Hearing Augmentation</p>	<p>(a) A hearing augmentation system must be provided where an inbuilt amplification system, other than one used only for emergency warning, is installed—</p> <ul style="list-style-type: none"> (i) in a room in a Class 9b building; or (ii) in an auditorium, conference room, meeting room or room for judicatory purposes; <p>or</p> <ul style="list-style-type: none"> (iii) at any ticket office, teller's booth, reception area or the like, where the public is screened from the service provider. <p>(b) If a hearing augmentation system required by (a) is—</p> <ul style="list-style-type: none"> (i) 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 (ii) 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— <ul style="list-style-type: none"> (A) 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 (B) 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 (C) if the room or space accommodates more than 1000 persons but not more than 2000 persons, 35 receivers plus 1 	<p>Confirm if an inbuilt amplification system is provided in Block E Hall which will require Hearing Augmentation system?</p> <p>Confirm if an inbuilt amplification system is provided in any other school building which will require Hearing Augmentation system?</p> <p>To be reviewed at detailed design phase.</p>	<p>FI</p>

Section D: Access and Egress			
	<p>receiver for every 50 persons or part thereof in excess of 1000 persons; and</p> <p>(D) 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.</p> <p>(c) The number of persons accommodated in the room or space served by an inbuilt amplification system must be calculated according to D1.13.</p> <p>(d) 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,</p> <p>(e) other than a public address system used for emergency warning purposes only.</p>		
<p>D3.8: Tactile Indicators</p>	<p>(a) 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—</p> <p>(i) stairway, other than a fire-isolated stairway; and</p> <p>(ii) an escalator; and</p> <p>(iii) a passenger conveyor or moving walk; and</p> <p>(iv) a ramp other than a fire-isolated ramp, step ramp, kerb ramp or swimming pool ramp; and</p> <p>(v) in the absence of a suitable barrier—</p> <p>(A) an overhead obstruction less than 2 m above floor level, other than a doorway; and</p> <p>(B) an accessway meeting a vehicular way adjacent to any pedestrian entrance to a building, excluding a pedestrian entrance serving an area referred to in</p>	<p>TGSIs may be required at set-down area adjacent Block F as there is an accessway meeting a vehicular way adjacent to any pedestrian entrance to a building where they may not be a kerb or kerb ramp at that point.</p> <p>TGSIs are required at all external stairs.</p> <p>To be reviewed at detailed design phase.</p>	<p>FI</p>

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	<p>D3.4, if there is no kerb or kerb ramp at that point,</p> <p>except for areas exempted by D3.4. (b)</p> <p>(b) Tactile ground surface indicators required by (a) must comply with sections 1 and 2 of AS/NZS 1428.4.1.</p> <p>Class 3 aged care, Class 9a & 9c not listed above</p> <p>TGSI's to be provided in compliance with this Clause, AS1428.1, AS1428.4.1 and AS4586/HB198 at bottom and top of stairs / ramps (except fire-isolated).</p> <p>Ensure installed full tread width, colour contrasting with adjacent surface, slip resistance and 300mm from the ramp edge of stair riser.</p>		
D3.9: Wheelchair seating spaces in Class 9b Assembly Buildings		Not applicable	N/A
D3.10: Swimming Pools		Not applicable	N/A
D3.11: Ramps	On an accessway a series of connected ramps must not have a combined vertical rise of 3.6m and a landing for a step ramp must no overlap a landing for another step ramp or ramp.	To be reviewed at detailed design phase.	CRA Refer Annexure D
D3.12: Glazing on an Accessway	On an accessway, 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.	To be reviewed at detailed design phase.	CRA Refer Annexure D
Specification D3.6 – Braille and Tactile Signs			
1. Scope	Informational		Noted

Section D: Access and Egress				
2.	Location of Braille and Tactile Signs	The location of braille and tactile signs shall be in accordance with AS1428.1 and Specification D3.6.	To be reviewed at detailed design phase.	CRA Refer Annexure D
3.	Braille and Tactile Sign Specification	All accessible signage to comply with this clause and AS1428.1. Tactile characters to be raised in sentence case with matt finish.	To be reviewed at detailed design phase.	CRA Refer Annexure D
4.	Luminance-contrast	All accessible signage to comply with this clause and AS1428.1. The sign background to have at least 30% luminance contrast with the 5mm width border, tactile characters and braille. Luminance contrast to be measured on the location once installed.	To be reviewed at detailed design phase.	CRA Refer Annexure D
5.	Lighting	Braille and tactile signs to be appropriate illuminated, in complaint with this Clause and AS1428.1. The access pathway must have a minimum luminance contrast of 30%, in accordance with AS1428.1.	To be reviewed at detailed design phase.	CRA Refer Annexure D
6.	Braille	Braille must be in accordance with the criteria set out by the Australian Braille Authority.	To be reviewed at detailed design phase.	CRA Refer Annexure D

Section F: Healthy and Amenity				
Part F2 – Sanitary and Other Facilities				
F2.0:	Deemed-to-Satisfy Provisions	Informational		Noted
F2.4:	Accessible Sanitary Facilities (including Table F2.4)	In a building required to be accessible—	To be reviewed at detailed design phase. Block F: Accessible bathrooms appear sufficient size - To be reviewed at detailed design phase.	CRA Refer Annexure D

Section F: Healthy and Amenity		
	<ul style="list-style-type: none"> (a) accessible unisex sanitary compartments must be provided in accessible parts of the building in accordance with Table F2.4(a); and (b) accessible unisex showers must be provided in accordance with Table F2.4(b); and (c) at each bank of toilets where there is 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; and (d) an accessible unisex sanitary compartment must contain a closet pan, washbasin, shelf or bench top and adequate means of disposal of sanitary towels; and (e) the circulation spaces, fixtures and fittings of all accessible sanitary facilities provided in accordance with Table F2.4(a) and Table F2.4(b) must comply with the requirements of AS 1428.1; and (f) an accessible unisex sanitary facility must be located so that it can be entered without crossing an area reserved for one sex only; and (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; 	<p>Block A: One unisex accessible and Male & Female ambulant provided. Accessible bathroom appears sufficient size - To be reviewed at detailed design phase.</p> <p>Students: They are provided with two banks of toilets – at Block B and Block E. Each bank has one unisex accessible and Male & Female ambulant provided. Accessible & ambulant facilities appear sufficient size - To be reviewed at detailed design phase.</p> <p>Block H: A single toilet is provided due to the proximity of students from the main buildings with toilets. This toilet may be considered as a third bank, therefore having two banks with accessible toilets at Block B&E, this toilet is not required to be accessible as the school satisfies the 50% rule.</p>

Annexure C - AS 1428.1-2009 General Requirements for Access

Table 6. General Requirements Table

Clause	Clause Requirements	Comment	Status
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To be reviewed and updated within detailed design phase.

Annexure D - Compliance Specification

Design Certification

Further due to the level of detail provided at this stage the following items are to form part of a design statement or specification:

General

1. Tactile ground surface indicators will be installed at the top and bottom of stairways / ramps (other than fire isolated stairways / ramps); and where an overhead obstruction is less than 2 metres above the floor level. Tactile ground surface indicators will comply with Sections 1 and 2 of AS/NZS1428.4.1:2009 and AS1428.1-2009.
2. On an accessway where there is no chair rail, handrail or transom, all frameless or fully glazed doors, sidelights or glazing capable of being mistaken for a doorway or opening will be clearly marked and comply with Clause 6.6 of AS1428.1-2009. A solid non-transparent contrasting line not less than 75mm wide is to extend across the full width of the glazing panel. The lower edge of the contrasting line is to be located between 900-1000mm above the plane of the finished floor level. The contrasting line is to provide a minimum of 30% luminance contrast when viewed against the floor surface or surfaces within 2 metres of the glazing on the opposite side.
3. All accessible doorways will have a minimum luminance contrast of 30% in accordance with Clause 13.1 of AS1428.1-2009.
4. Fixtures and fittings in accessible sanitary facilities will be provided and installed in accordance Clause 15 of AS1428.1-2009.
5. Fixtures and fittings in ambulant facilities will be provided and installed in accordance Clause 16 of AS1428.1-2009.
6. Walkways will comply with Clause 10 of AS1428.1-2009.
7. For the walkways, the floor or ground surface abutting the sides of the walkway will be firm and level of a different material to that of the walkway at the same level and follow the grade of the walkway and extend horizontally for a minimum of 600mm or be provided with a kerb or kerb rail in accordance with Clause 10.2 of AS1428.1-2009.
8. Stairways will comply with Clause 11 of AS1428.1-2009.
9. Handrails will comply with Clause 12 of AS1428.1-2009.
10. Grabrails will comply with Clause 17 of AS1428.1-2009.
11. Accessible car spaces: Demarcation will be provided in the accessible car space and adjacent shared zone in accordance with Clause 3.1 and 3.2 of AS/NZS2890.6:2009. Bollards will be provided in the shared disabled car space area in accordance with Clause 2.2.1(e) of AS/NZS2890.6-2009.
12. Switches and power points will comply with Clause 14 of AS1428.1-2009.
13. Floor and ground floor surfaces on accessible paths and circulation spaces including the external areas will comply with Clause 7 of AS1428.1-2009. Any level difference between surfaces shall not exceed 3mm.
14. Braille and tactile signage will comply with BCA2019 Clause D3.6. Signage will to comply with Clause 8 of AS1428.1-2009.
15. The unobstructed height of a continuous accessible path of travel will be a minimum of 2000mm and 1980mm at doorways.
16. Door handles and the like, will be in accordance with Clause 13.5 of AS1428.1-2009.