



*Building Code of Australia 2019 Amendment 1*

# DDA ASSESSMENT REPORT



New Primary School at Gregory Hills  
28 Wallarah Circuit, Gregory Hills NSW 2557

Prepared for: SINSW | Issue date: 5 October 22

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## Authorisation

Revision	Comment / Reason for Issue	Issue Date	Prepared by	Reviewed by
06	Revised Report for SSDA Issue	05 Oct 22		
			Annika Green	Joel Lewis

## Revision History

Revision	Comment / Reason for Issue	Issue Date	Prepared By
01	Draft Concept Report	31 May 22	Annika Green
02	Final Concept Report	02 Jun 22	Annika Green
03	Revised Concept Report	02 Sep 22	Annika Green
04	Revised Schematic Report	16 Sep 22	Annika Green
05	DDA Report for SSDA Issue	29 Sep 22	Annika Green
06	Revised Report for SSDA Issue	05 Oct 22	Annika Green

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# 1 Executive Summary

MBC Group as the appointed DDA Consultant for the proposed development, have reviewed architectural design documents prepared by Bennett and Trimble (refer appendix A) for compliance with the National Construction Code - Building Code of Australia Volume One 2019 Amendment 1.

## 1.1 Design Details Required

The assessment of the design documentation has revealed that the following areas require further details to demonstrate compliance with the prescriptive provisions of the BCA – refer to Section 3.9 for further information.

The documentation will need further detailing such as door hardware, construction specifications, services design and manufacturer's details as the design progresses towards Building Approval.

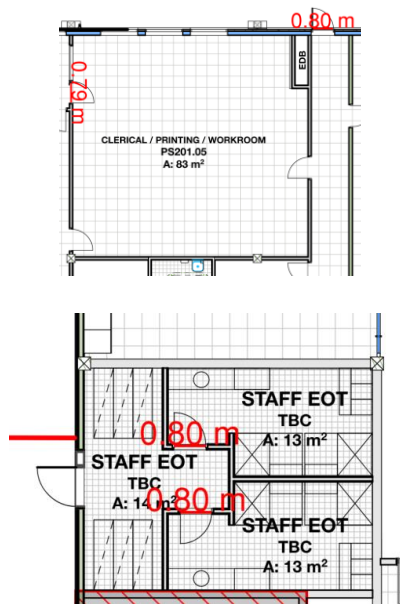
The application for Crown Works Certificate shall be assessed under the relevant provisions of the Environmental Planning & Assessment Act 1979 (As Amended) and the Environmental Planning & Assessment Regulation 2021.

DTS Clause	Clause Description
D3.1, AS1428.1- 2009 Clauses 13.2 and 13.3	<b><u>General Building Access Requirements –</u></b> Buildings and parts of buildings must be accessible as required by Table D3.1, except where exempted by D3.4 as follows <ul style="list-style-type: none"><li>• Class 5 – to an within all areas normally used by the occupants</li><li>• Class 6 – to an within all areas normally used by the occupants</li><li>• Class 7b – to an within all areas normally used by the occupants</li><li>• Class 9b schools and assembly buildings – to and within all areas normally used by the occupants</li></ul>

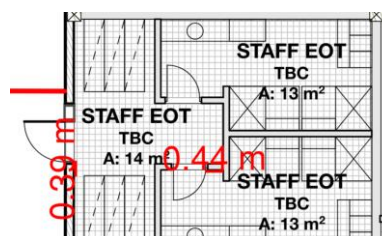
The following commentary is provided:

### **Block A and B**

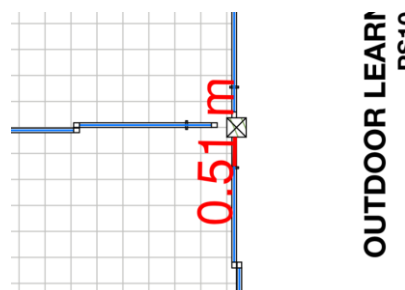
- Doorways within Blocks A and B were typically noted as being scaled at 750mm – 800mm. As this building is required to be accessible, all doorways are required to be a minimum 850mm wide. Architect to note and ensure this detail is provided in the next iteration of design.



- Inadequate latchside door circulation spaces were noted in a few locations to be less than 510mm (when door is swinging away from the user) and 530mm (when the door is swinging towards the user). Architect to note the below locations and ensure that all door circulation spaces comply with the relevant requirements of AS1428.1-2009



Architect to note that door hardware is to be a minimum 530mm out from any internal corner.





## D3.2

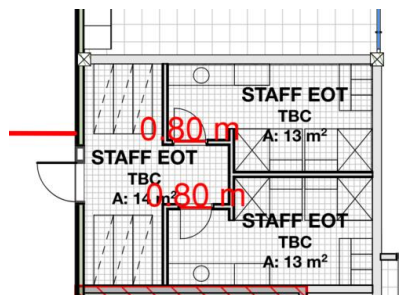
### Access to Buildings

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 850mm in accordance with AS1428.1.

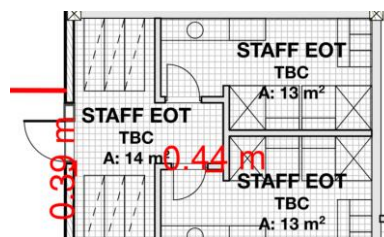
The following commentary is provided:

#### Block A and B

- Doorways within Blocks A and B were typically noted as being scaled at 750mm – 800mm. As this building is required to be accessible, all doorways are required to be a minimum 850mm wide. Architect to note and ensure this detail is provided in the next iteration of design.

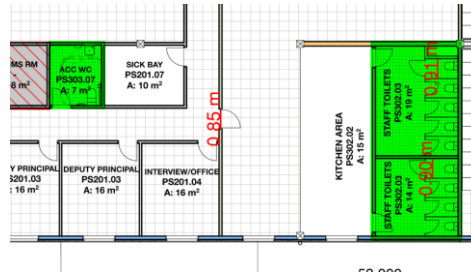


- Inadequate latchside door circulation spaces were noted in a few locations to be less than 510mm (when door is swinging away from the user) and 530mm (when the door is swinging towards the user). Architect to note the below locations and ensure that all door circulation spaces comply with the relevant requirements of AS1428.1-2009



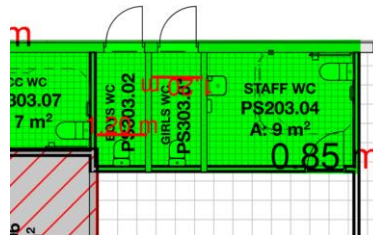
## F2.4 Accessible Sanitary Facilities

It is noted that the accessible sanitary facility is not located adjacent to the bank of toilets on the Ground floor level of Block A. Architect to note and amend the plans accordingly.



## F2.(c) Ambulant Sanitary Facilities

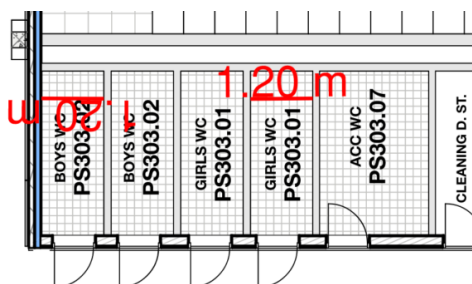
Proposed ambulant sanitary facilities (PS303.02 and PS303.01) in Block C were dimensioned at 1.2m in width. Architect to note that ambulant sanitary facilities are required to be between 900-920mm between side walls. Architect to note and amend the plans accordingly.



Additionally, the ambulant sanitary facilities in building B were typically dimensioned at 980mm between side walls in lieu of 900 – 920mm. Architect to note and amend the plans accordingly.



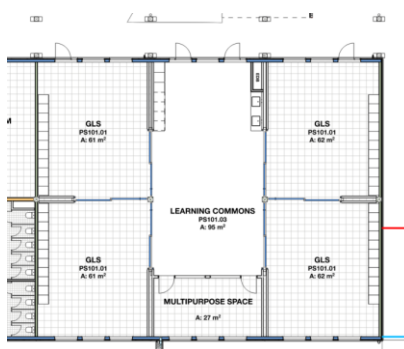
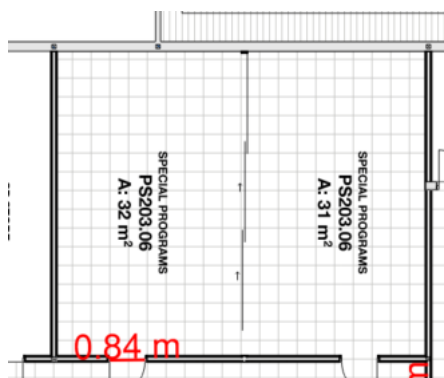
Architect to furthermore note that proposed ambulant sanitary facilities blocks within Block A were typically dimensioned at 1200mm in lieu of 900mm-920mm as per the requirements of AS1428.1-2009



AS1428.1-  
2009 Clause  
13.5

### Door Controls

Further details of the GLS sliding doors are required to be provided confirming that the 20N force will not be exceeded during operation





## 2 Introduction

MBC Group have been engaged as the appointed DDA Consultant for the development subject of this report by SINSW. This report is based upon a desktop review of architectural details (as listed in Appendix A), presently SSDA Issue form, against the applicable provisions of the National Construction Code - Building Code of Australia Volume One 2019 Amendment 1.

### 2.1 Purpose

The purpose of this report is to assess the current design proposal against the Deemed-to-Satisfy (DtS) provisions of the BCA.

### 2.2 Methodology

The methodology applied in undertaking this assessment has included: -

- A desktop review of architectural plans, as listed in Appendix A
- Assessment of Sections D3, E3 and F2 (as applicable / relevant) of the BCA
- Discussions with the design development team to gain an understanding of the development proposed.

### 2.3 Limitations

This report does not include or 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 proposed structural elements of the building (unless specifically referred to); and
- the design basis and/or operating capabilities of any proposed
  - electrical
  - mechanical
  - hydraulic
  - fire protection services.

This report does not include, or imply compliance with:

- the National Construction Code – Plumbing Code of Australia Volume 3
- The deemed to satisfy provisions of Sections C, D1, D2, E1, E2, E4, F1, F3, F4, G, H and J of BCA 2019 Amendment 1
- Demolition Standards not referred to by the BCA;
- Work Healthy and Safety Act 2011;
- An out of cycle change to the Building Code of Australia.
- Requirements of other Regulatory Authorities including, but not limited to, Telstra, Telecommunications Supply Authority, Water Supply Authority, Electricity Supply

Authority, Work Cover, Roads and Maritime Services (RMS), Roads and Transport Authority, Local Council, ARTC, Department of Planning and the like; and

- Conditions of Development Consent issued by the Local Consent Authority.

This report has been prepared by MBC Group in the capacity as the appointed DDA Consultant for the proposed development. This report is an assessment of the proposed development against the DtS provisions of the applicable BCA.

## 2.4 Current Legislation

The applicable legislation governing the design of buildings in NSW is the Environmental Planning and Assessment Act 1979.

### Applicable Building Code of Australia (BCA)

The proposed development will be subject to compliance with the relevant requirements of the BCA as in force as at –

- (a) The date of the invitation for tenders to carry out the Crown Building Work; or
- (b) In the absence of tenders, the date on which the Crown Building Work commences

In this regard, it is assumed that the Crown Works Certificate, and the basis of this report is based upon the Deemed-to-Satisfy provisions of BCA 2019 Amendment 1.

Should an *out of cycle* change occur to the Building Code of Australia, then this report is required to be updated to reflect any applicable changes made and now required by the BCA.

## 3 Development Description & Assessment Information

### 3.1 Introduction

This DDA Report accompanies an Environmental Impact Statement (EIS) pursuant to Part 4 of the *Environmental Planning and Assessment Act 1979* (EP&A Act), in support of a State Significant Development Application (SSDA) for the construction and operation of a new primary school at Gregory Hills (SSD-41306367).

This report addresses the Secretary's Environmental Assessment Requirements (SEARs) issued for the project, notably :

SEARs Requirement	Response
<b>4. Built Form and Urban Design</b> <ul style="list-style-type: none"> <li>• Demonstrate how design quality will be achieved in accordance with the Education SEPP Design Quality Principles and the Design Guide for Schools, including: <ul style="list-style-type: none"> <li>○ how the proposed built form (layout, height, bulk, scale, separation, setbacks, interface and</li> </ul> </li> </ul>	Addressed in the BCA Design Compliance Report Ref. GHPS SSDA_4.4_BCA Design Compliance Report October 2022 and DDA

<p>articulation) addresses and responds to the context, site characteristics, streetscape and existing and future character of the locality.</p> <ul style="list-style-type: none"> <li>○ how the building design will deliver a high-quality development, including consideration of façade design, articulation, roof design, materials, finishes, colours, any signage, integration of services, and the principles of Crime Prevention through Environmental Design.</li> <li>● Assess how the development complies with the relevant accessibility requirements.</li> </ul>	Design Compliance Report
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## 3.2 Proposal

The proposal is for a new primary school at Gregory Hills that generally comprises the following:

- 44 General Learning Spaces.
- 4 Support Learning Spaces.
- Administration, staff hub, amenity and building service areas.
- Library, communal hall and canteen.
- Outside School Hours Care (OSHC) services.
- Sport courts, outdoor play space, a Covered Outdoor Learning Area (COLA) and site landscaping.
- Dedicated bicycle and scooter parking.
- Three (3) kiss and drop spaces for Supported Learning Students (SLS) located on Wallarah Circuit.
- On-site car parking.
- Signage.
- Footpath widening on Wallarah Circuit.



Figure 1: Site plan (source Bennett and Trimble)

### 3.3 Site Description and Location

The site is located in Dharawal Country at 28 Wallarah Circuit, Gregory Hills NSW 2557, and is legally described as Lot 3257 DP1243285.

The site is located within the Camden Local Government Area and is within the Turner Road Precinct of the South-West Growth Centre.

The site has an area of approximately 2.926ha (by Deposited Plan). This will be reduced to 2.907ha under approved DA2022/742/1 once Long Reef Circuit has been widened. Topography is minimal with a fall from the south-east corner (RL116.5) to the north-west corner (RL113).

The site has three (3) street frontages:

- Wallarah Circuit (southern boundary)
- Gregory Hills Drive (northern boundary)
- Long Reef Circuit (eastern Boundary)

The site is primarily vacant land, with the exception of an existing group of trees in the southwest corner of the site that pre-date the subdivision and development of the precinct. There is also an existing electrical substation located on the south-eastern boundary.

There are easements of varying widths located to the northern boundary identified for drainage.



Figure 2: Locality Map (Six Maps)





Figure 3: Site Aerial Map, (Source Bennett and Trimble)

### 3.4 Surrounding Development

To the north, east and south of the site is emerging and recently completed residential development.

To the east of the residential area fronting Long Reef Circuit are high voltage power lines within an easement which include pedestrian paths and cycleways.

To the west of the site, beyond Sykes Creek and Howard Park, is the Gregory Hills town centre. A pedestrian bridge links Wallarah Circuit with the town centre across Sykes Creek.



Figure 4: Surrounding Development (Nearmap)

### 3.5 BCA Classification (Clause A3.2)

The proposed development shall contain the following classifications: -

- Class 5: being an office building or part (administration block)
- Class 6: being a retail building or part (canteen)
- Class 7b: being storage (ancillary storage to the hall building)
- Class 9b: being a public assembly building or the like (school, public hall and library)

### 3.6 Rise in Storeys (Clause C1.2)

The current design proposed under this report proposes three predominant buildings on the site known as Block A, B and C. Blocks A and B are connected via a link bridge on Levels 1 and 2, whilst Block C is separate from the administration and general learning spaces block.



Figure 5 – Second Floor Plan

This inherently results in two separate buildings on the site as shown below. Based on this configuration, the rise in storeys for this development is as follows:

- Hall / Library building – rise in storeys of one (1)
- GLS / Admin Building – rise in storeys of three (3)



### 3.7 Effective Height (Clause A1.1)

The proposed development has been assessed to have the following *effective heights* (noting that Blocks A and B are separated from Block C):

- GLS / Admin Building – Effective height of approx. 7.35m (measured from floor level Ground (116.1) to floor level 2 (123.45))
- Hall / Library Building – Effective height of 0m

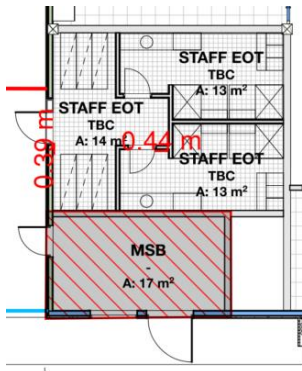

### 3.8 General Accessibility Assessment and Requirements

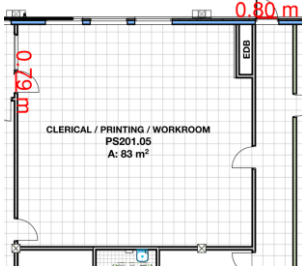
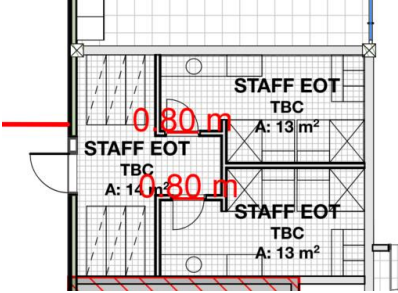
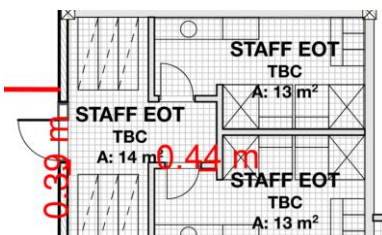
The below summary table is a snapshot of the details required in order to achieve compliance with the Premises Standards, Building Code Australia and its prescriptive Australian Standards. This assessment is limited to identified issues ascertained from the current level of design detail. Further assessment will be required as the design progresses to demonstrate compliance.

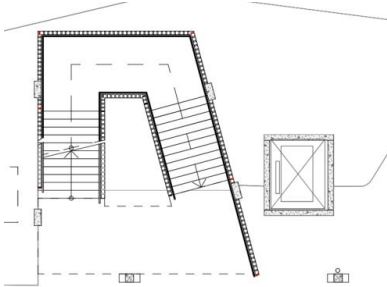
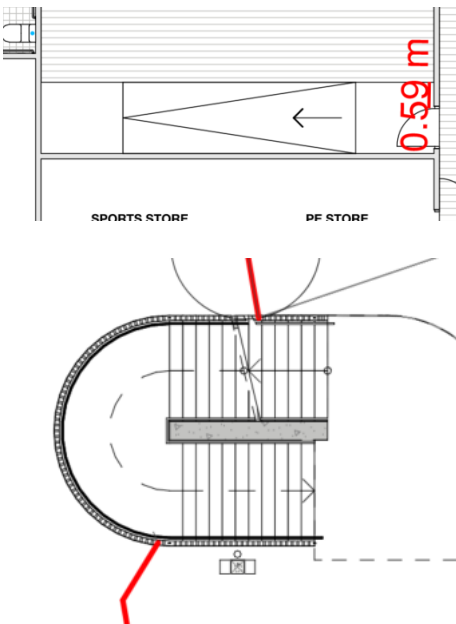
Furthermore, as part of this holistic assessment, the recommendation of site management in use planning controls and contingency measures should be implemented to further accommodate any persons with a disability requiring access throughout the site. This contingency plan should include but not be limited to the following measures:

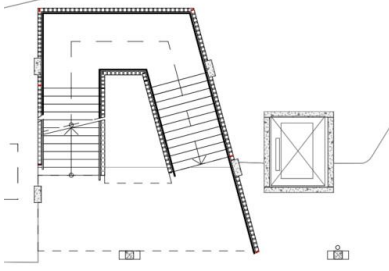

- Internal and external wayfinding signage at high foot traffic areas and general circulation points
- Staff and student induction and onboarding programme facilitating on site walks to familiarise key accessible circulation paths between buildings on the site
- Visitor and parents meeting points for those who are unfamiliar with the school layout
- Interactive mapping on school website to indicate arrival and accessible entry points


Premises Standards		
Clause	Description	Commentary
-	<p><b>Access for People with Disabilities – Affected Part Upgrade</b></p> <p>Commonwealth Disability (Access to Premises - Buildings) Standards 2010 Clause 2.1 (a) and (b) of the Access to Premises Standard states that the following must comply with the Access Standards:</p> <ul style="list-style-type: none"> <li>• Any new building (an application after 1 May 2011)</li> </ul>	<p>Noted – compliance readily achievable with further details to be provided as design progresses</p>

Part D3 – Access for People with a Disability		
Clause	Description	Commentary
D3.1	<p><b>General Building Access Requirements –</b></p> <p>Buildings and parts of buildings must be accessible as required by Table D3.1, except where exempted by D3.4 as follows</p> <ul style="list-style-type: none"> <li>Class 5 – to an within all areas normally used by the occupants</li> <li>Class 6 – to an within all areas normally used by the occupants</li> <li>Class 7b – to an within all areas normally used by the occupants</li> <li>Class 9b schools and assembly buildings – to and within all areas normally used by the occupants</li> </ul>	<p>Noted – compliance readily achievable with further details to be provided as design progresses.</p> <p>Architect to note that access must be provided to the staff end of trip facilities within the Ground Level of Block B. Currently the doorway configuration does not provide adequate latchside door clearance into the airlock or the EoT rooms. Plans are to be amended in the next iteration of design documentation.</p> 
D3.2	<p><b>Access to Buildings</b></p> <p>An accessible path of travel must be provided to the building/s –</p> <ul style="list-style-type: none"> <li>From the main points of pedestrian entry at the allotment boundary</li> <li>From another accessible building connected by a pedestrian link</li> <li>From any required accessible carparking space on the allotment</li> <li>In a building required to be accessible, an accessway must be provided to the principal pedestrian entrance</li> <li>Not less than 50% of all pedestrian entrances</li> </ul>	<p>Noted – compliance readily achievable with further details to be provided as design progresses.</p> <p>Details of all accessible pathways between buildings, from the main and secondary entry points from the boundary and accessways from the carpark are to be provided for further review.</p>  <p>The following commentary is provided:</p> <p><b>Block A and B</b></p>

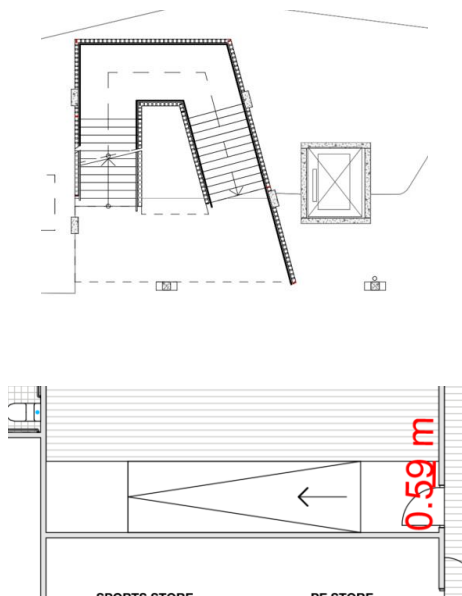
Part D3 – Access for People with a Disability		
Clause	Description	Commentary
	<p>In a building with a floor area more than 500m<sup>2</sup>, a pedestrian entrance which is not accessible must be located not more than 50m from an accessible entrance</p> <p>Where a doorway on an accessway has multiple leaves, (except an automatic opening door) one of those leaves must have a clear opening width of not less than 850mm in accordance with AS1428.1.</p>	<ul style="list-style-type: none"> <li>Doorways within Blocks A and B were typically noted as being scaled at 750mm – 800mm. As this building is required to be accessible, all doorways are required to be a minimum 850mm wide. Architect to note and ensure this detail is provided in the next iteration of design.</li> </ul>   <ul style="list-style-type: none"> <li>Inadequate latchside door circulation spaces were noted in a few locations to be less than 510mm (when door is swinging away from the user) and 530mm (when the door is swinging towards the user). Architect to note the below locations and ensure that all door circulation spaces comply with the relevant requirements of AS1428.1-2009</li> </ul> 

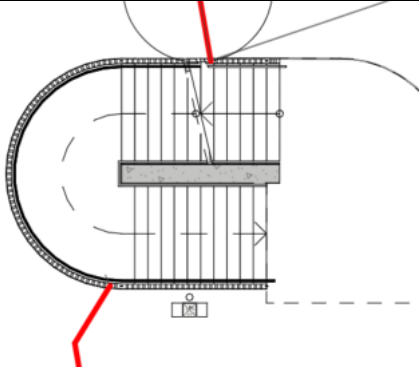
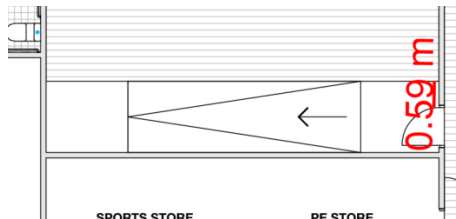
Part D3 – Access for People with a Disability		
Clause	Description	Commentary
D3.3	<p><b>Parts of the Building Required to be Accessible</b></p> <p>Accessible paths of travel (pathways, ramps and lifts) are required –</p> <ul style="list-style-type: none"> <li>to and within all areas ordinarily used by the occupants.</li> <li>from any accessible carparking spaces to the lifts.</li> </ul>	<p>Noted – compliance readily achievable with further details to be provided as design progresses.</p> <p>Note that the new lifts will be required to comply with the accessibility requirements stipulated under BCA Clause E3.6 and Table E3.6b and AS1735.12-1999</p>  <p>Further details of all internal / external walkways, stairs and ramps shall be provided for further review as the design progresses.</p> 

Part D3 – Access for People with a Disability		
Clause	Description	Commentary
		
D3.4	<p><b>Exemptions</b></p> <p>The following areas are not required to be accessible –</p> <ul style="list-style-type: none"> <li>• An area where access would be inappropriate because of the particular purpose for which the area is used</li> <li>• An area that would pose a health or safety risk for people with a disability</li> <li>• Any path of travel providing access only to an area exempted by (a) or (b).</li> </ul>	<p>Note – this includes the following areas:</p> <ul style="list-style-type: none"> <li>• Bulk store</li> <li>• Garden store</li> <li>• Sports store</li> <li>• PE store</li> <li>• KLA store</li> <li>• SP store</li> <li>• Comms room</li> <li>• Cleaners rooms / cupboards</li> <li>• Water meters</li> <li>• Canteen</li> </ul>
D3.5	<p><b>Accessible Carparking</b></p> <p>In accordance with BCA Clause D3.5, accessible carparking spaces complying with the following is required to be provided.</p> <ul style="list-style-type: none"> <li>• Class 5 / 9b – 1 space for every 100 carparking spaces</li> </ul>	<p>Noted – compliance readily achievable with further details to be provided as design progresses. Architect to provide further details of the proposed accessible carspaces.</p>  <p>It is proposed that an accessible drop off point is to be used in lieu of a car parking space. Further details are required to be provided noting that this is not a DtS solution and will need to be justified under a performance solution if proposed.</p>

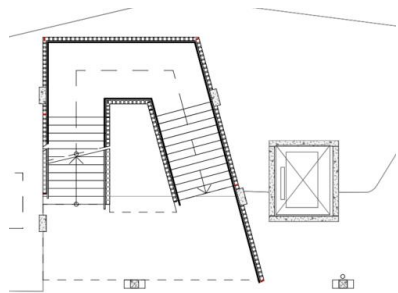
Part D3 – Access for People with a Disability		
Clause	Description	Commentary
		
D3.6	<p><b>Signage</b></p> <p>Accessible buildings must have signage in accordance with Specification D3.6 and AS1428.1 as follows:</p> <ul style="list-style-type: none"> <li>• Braille and tactile signage incorporating the international symbol of access or deafness to sanitary facilities and a space with hearing augmentation</li> <li>• Signage incorporating the international symbol of deafness to room with hearing augmentation identifying the type, the area covered and location of receivers.</li> <li>• Signage to accessible sanitary facilities identifying left or right handed</li> <li>• Signage to ambulant accessible facility must be on the door</li> <li>• Signage to all egress doors identifying the level of egress. Directional signage where a pedestrian entrance is not accessible</li> <li>• Directional signage where sanitary facilities are not provided with an accessible facility</li> </ul>	<p>Noted – compliance readily achievable with further details to be provided as design progresses. The following commentary is provided:</p> <ul style="list-style-type: none"> <li>• All accessible and ambulant toilets shall have signage</li> <li>• Hearing augmentation signage is required where in-built amplification is required / provided</li> <li>• Exit signage to be provided at the egress door to the fire isolated stair</li> <li>• Accessible car parking signage to be provided to the dedicated accessible car space</li> <li>• Changing places signage to be provided where adult change facilities in accordance with F2.9 is provided</li> <li>• Directional signage for accessible toilets may be required</li> </ul> <p>Signage schedules to be provided prior to the issuance of the CWC.</p>



Part D3 – Access for People with a Disability		
Clause	Description	Commentary
	The detailed requirements for Braille and Tactile signage is contained within BCA Specification D3.6	
D3.7	<b>Hearing Augmentation</b>  A hearing augmentation system must be provided where an inbuilt amplification system, other than one used for emergency warning is installed – <ul style="list-style-type: none"> <li>In a room in a Class 9b building;</li> </ul>	Further information required  Client to confirm if any inbuilt amplification systems are to be utilised. It is likely a hearing augmentation system will be required. Further details of the proposed coverage method is to be provided for further review prior to the issue of the Crown Works Certificate.
D3.8	<b>Tactile Indicators</b>  For a building required to be accessible, tactile indicators must be installed to warn people who are blind or who have vision impairment that they are approaching <ul style="list-style-type: none"> <li>A stairway, other than a fire isolated stairway</li> <li>An escalator</li> <li>A passenger conveyor or moving walkway</li> <li>A ramp, other than a fire isolated ramp, step ramp, kerb ramp or swimming pool ramp</li> <li>Overhead obstructions less than 2m that are not otherwise protected by a barrier</li> <li>An accessway meeting a vehicular way that is not otherwise protected by a barrier</li> </ul> Tactile indicators shall be installed to comply with AS1428.4.1 and achieve the following minimum luminance	Capable of achieving compliance  Further details of all stairs, ramps and overhead obstructions around the stairs are to be provided for further review prior to the issue of the Crown Works Certificate.  

Part D3 – Access for People with a Disability		
Clause	Description	Commentary
	<p>contrast against the adjacent path of travel.</p> <p>Integrated units - 30%</p> <p>Discrete Units - 45%</p> <p>Composite Discrete Units - 60%</p>	 <p>TGSIs are required on stairs, ramps and other barriers to indicate warning.</p> <p>Any TGSIs used on site shall have the luminous contrast value prescribed.</p> <p>The values shall be tested against the surrounding background.</p> <p>LRV values of TGSIs and the adjacent materials shall be provided</p>
D3.11	<p><b>Ramps</b></p> <p>On an accessway:</p> <p>a. A series of connected ramps must not have a combined vertical rise of more than 3.6m; and</p> <p>b. A landing for a step ramp must not overlap a landing for another step ramp or ramp</p> <p>c. All ramps to have a slip resistant surface</p> <p><b>AS1428.1(2009)</b></p> <p><b>Clause 10 Ramps</b></p> <ul style="list-style-type: none"> <li>The max gradient of a ramp exceeding 1900mm shall be 1:14</li> <li>1:14 shall not be longer than 9m</li> <li>TGSIs are required at the top and bottom of the ramp</li> </ul>	<p>Capable of complying</p> <p>Further details of all ramps proposed to provide access to the stage, access between buildings are to be provided for further review prior to the issue of the CWC.</p>  <p>Note that threshold ramps are not permitted internally to the building and access to all sanitary facilities shall not have a threshold.</p> <p>Where threshold are provided, details are to be provided for further review.</p>

Part D3 – Access for People with a Disability		
Clause	Description	Commentary
	<ul style="list-style-type: none"> <li>The ramp shall have handrails on both sides of the stair with 300mm handrail extensions</li> </ul> <p><b>Threshold ramps</b></p> <ul style="list-style-type: none"> <li>Max rise of 35mm</li> <li>Max length of 280mm</li> <li>Max gradient of 1:8</li> <li>Be located within 20mm of the door leaf which it serves</li> <li>The edges of the threshold ramp shall be tapered or splayed at a minimum of 45 degrees where the ramp does not abut a wall</li> </ul> <p><b>Step ramp</b></p> <ul style="list-style-type: none"> <li>Max rise of 190mm</li> <li>Length not greater than 1900m</li> <li>Gradient not steeper than 1:10</li> <li>The edges of step ramp shall have a 45° splay where there is pedestrian cross-traffic. Otherwise, it shall be protected by a suitable barrier, such as– <ul style="list-style-type: none"> <li>(i) a wall or suitable barrier with a minimum height of 450 mm; or</li> <li>(ii) where an open balustrade is provided a kerb or kerb rail shall be provided</li> </ul> </li> </ul> <p><b>Kerb Ramps</b></p> <ul style="list-style-type: none"> <li>Max rise of 190mm</li> <li>Length not greater than 1520mm</li> <li>Gradient not steeper than 1:8</li> </ul>	

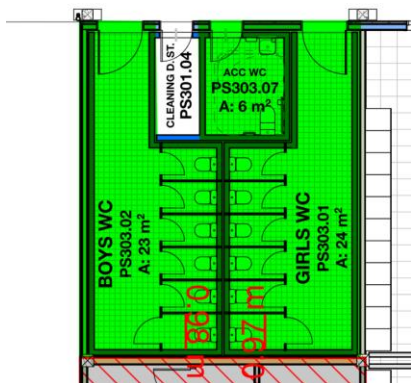
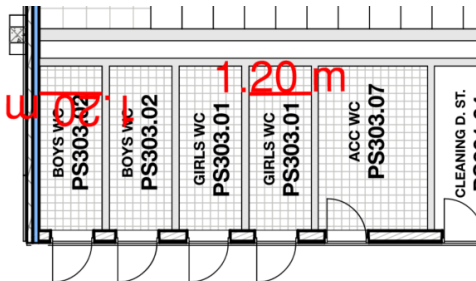
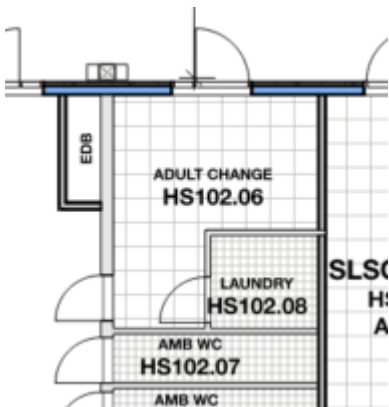
Part D3 – Access for People with a Disability		
Clause	Description	Commentary
D3.12	<p><b>Glazing on Accessways</b></p> <p>Where there is no chair rail, handrail or transom, all frameless or fully glazed doors, sidelights, including any glazing capable of being mistaken for a doorway or opening, shall be clearly marked for their full width with a solid and non-transparent contrasting line</p> <p>The contrasting line shall be not less than 75 mm wide and shall extend across the full width of the glazing panel. The lower edge of the contrasting line shall be located between 900 mm and 1000 mm above the plane of the finished floor level</p> <p>Any contrasting line on the glazing shall provide a minimum of 30% luminance contrast when viewed against the floor surface or surfaces within 2 m of the glazing on the opposite side.</p>	<p>Compliance readily achievable where applicable.</p> <p>Details of the visual indicator strip to be provided for further review prior to the issue of the Crown Works Certificate.</p>
E3.6	<p><b>Lifts</b></p> <p>New lifts required to be accessible must comply with BCA E3.6 and relevant parts of AS1735.12.</p> <p>Stairway platform lifts cannot be used to serve a space in a building accommodating more than 100 persons or high traffic areas such as shopping centres or the like.</p> <p>Have minimum dimensions of:</p>	<p>Capable of complying – further details of the proposed lift shafts are to be provided as the design develops towards issuance of the CWC.</p> 

Part D3 – Access for People with a Disability		
Clause	Description	Commentary
	<ul style="list-style-type: none"> <li>Low Rise Platform Lifts – 1100mm by 1400mm</li> <li>Stairway Platform Lifts – 810mm by 1200mm</li> <li>Passenger lifts which travel &lt;12m – 1100mm by 1400mm Passenger</li> </ul> <p><b>Landings</b></p> <ul style="list-style-type: none"> <li>Lift landings must have minimum dimensions of 2070mm x 1540mm to allow a 180° turn for wheelchairs</li> <li>Lift landing control buttons must be located a minimum of 500mm from any adjacent side wall</li> <li>Stairway platform lifts are to comply with the manufacturers specifications and allow sufficient space for a wheelchair to enter and exit the lift.</li> </ul>	
F2.4	<p><b>Accessible Sanitary Facilities</b></p> <p>In a building required to be accessible:</p> <ul style="list-style-type: none"> <li>Accessible unisex sanitary compartments must be provided at every storey containing sanitary compartments per Table F2.4</li> <li>An accessible unisex sanitary compartment must contain a closet pan, washbasin, shelf or bench top and adequate disposal of sanitary towels</li> <li>Circulation spaces, fixtures and fittings of all accessible</li> </ul>	<p>Compliance achievable.</p> <p>Note that separate facilities are required to be provided for use by staff and students as prescribed by the BCA.</p> <p>Further details of the proposed accessible sanitary facility layout is required to further assess for compliance prior to the issue of the CWC.</p> <p>It is noted that separate staff and student accessible sanitary facilities are provided in Block C as noted below. Ambulant sanitary facilities have been provided to the students sanitary blocks as noted below.</p>

Part D3 – Access for People with a Disability		
Clause	Description	Commentary
	<p>sanitary facilities must comply with AS1428.1</p> <p>An accessible unisex facility must be located so that it can be entered without crossing an area reserved for one sex</p> <p>Left and right handed mirror image facilities to be even where 2 or more accessible unisex facilities provided</p> <p>Where male and female facilities are separate, a unisex facility is only required at one location</p> <p>Accessible unisex sanitary compartment or shower need not be provided on a storey that is not required to be provided with a lift or ramp access</p> <p>The distance between successive doorways in a vestibule on serving an area require to be accessible is to be 1450mm</p> <p>Accessible facilities must meet the requirements of Section 15 of AS1428.1(2009)</p>	



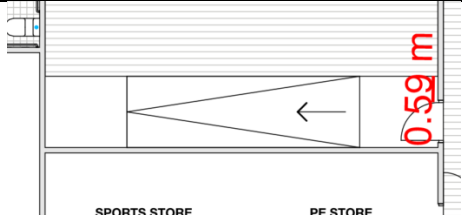
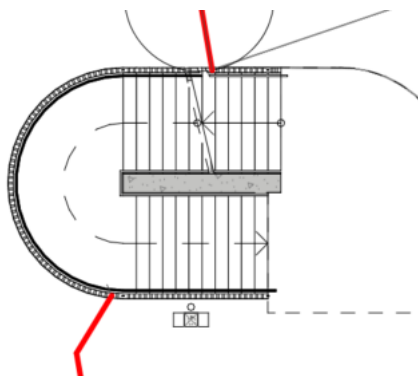
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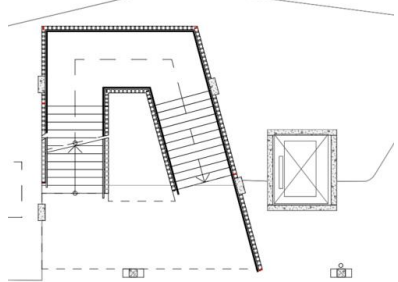
Part D3 – Access for People with a Disability		
Clause	Description	Commentary
	<ul style="list-style-type: none"> <li>Toilet roll holder location and coat hook</li> </ul>	<p>920mm. Architect to note and amend the plans accordingly.</p>  <p>Architect to furthermore note that proposed ambulant sanitary facilities blocks within Block A were typically dimensioned at 1200mm in lieu of 900mm-920mm as per the requirements of AS1428.1-2009</p> 
F2.9	<p><b>Accessible Adult Change Facilities</b></p> <p>Where proposed, an accessible adult change facility shall comply with specification F2.9 of the BCA.</p> <p>Changing places is a voluntary initiative in Australia that advocates for an accessible public toilet and change rooms for users with high support needs who require assistance</p>	<p>Further information required – confirmation of whether the intent is to have a changing places facility in the building as shown below</p> 

Part D3 – Access for People with a Disability		
Clause	Description	Commentary
	from a carer and specialised equipment such as an overhead hoist and adjustable height change table.	

AS1428.1-2009 – Design for Access and Mobility		
Clause	Description	Commentary
6.2	<b>Heights of a continuous accessible path of travel</b>  Minimum unobstructed height of accessible path of travel to be 2.0m or 1.98m at doors	Compliance readily achievable
6.3	<b>Width of Accessible Path</b>  Minimum unobstructed width of accessible path of travel to be 1.0m. Fixtures and fittings, including skirtings not to intrude.	Compliance readily achievable
6.4	<b>Passing space for wheelchairs - 6.4 of AS1428.1</b>  Passing space for 2 persons using wheelchairs to be minimum 1.8m width and 2.0m length, spaced no more than 20m apart	Compliance readily achievable
6.5	<b>Circulation Space for Wheelchair Turns</b>  The accessible areas must allow for sufficient dimensions to allow for the following turns to be undertaken by a wheelchair : <ul style="list-style-type: none"> <li>60° to 90° – 1500mm x 1500mm with splay</li> <li>30° to 60° – 500mm x 500mm internal splay</li> <li>90° to 180° – 2070mm long (in the direction of travel) x 1.54m wide</li> </ul>	Compliance readily achievable

AS1428.1-2009 – Design for Access and Mobility		
Clause	Description	Commentary
7	<p><b>Floor Surfaces of Accessible Paths</b></p> <p>Provide a smooth transition between abutting surfaces. A construction tolerance of 3mm for vertical differences is allowable or 5mm where edges are rounded or bevelled. For paved surfaces with raked joints, a joint variation between the mortar joint and top of paving shall not exceed 2mm.</p> <p>Particular attention should be paid to junctions of new and existing surfaces.</p> <p>All new floor surfaces must achieve an appropriate non-slip finish. R10/P3 recommended for dry floors and R11/P4 for wet floors.</p> <p>Carpets and other soft coverings:</p> <ul style="list-style-type: none"> <li>The pile height or pile thickness shall not exceed 11mm and the carpet backing thickness shall not exceed 4mm – 15mm respectively</li> <li>Grates along an accessible path of travel – the openings shall not exceed 13mm in diameter</li> </ul>	<p>Compliance readily achievable – further details to be provided as design develops</p>
10	<p><b>Walkways, Ramps and Landings -</b></p> <p>Walkways, ramps and landings provided along an accessible path must comply with Clause 10 of AS1428.1(2009). Refer to item 31.</p> <p><b>Landings</b></p> <ul style="list-style-type: none"> <li>Walkways and ramps - No change in direction - length not less than 1200mm. Where there</li> </ul>	<p>Compliance readily achievable – further details to be provided as design develops</p> <p>Details including proposed gradients, RLs, handrail and tactile details to be provided for further review as the design develops towards CWC.</p>

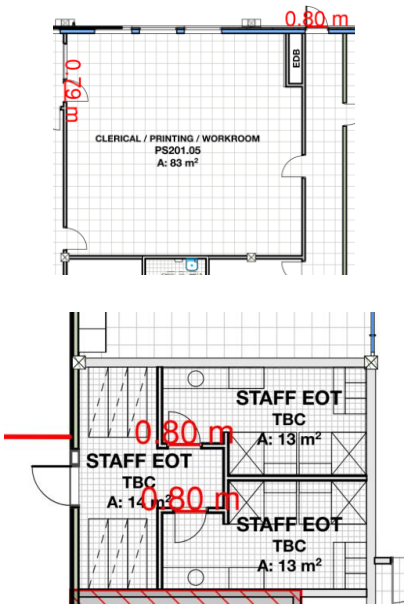
AS1428.1-2009 – Design for Access and Mobility		
Clause	Description	Commentary
	<p>is change in direction not exceeding 90° the landing shall be not less than 1500mm</p> <p><b>Step ramp</b></p> <ul style="list-style-type: none"> <li>the length shall not be less than 1200mm in the direction of travel.</li> <li>Change in direction the length shall be a min of 1500mm</li> </ul> <p><b>Kerb ramps</b></p> <ul style="list-style-type: none"> <li>The length of landings shall not be less than 1200mm.</li> <li>T-junction – min of 1500mm x 2000mm.</li> <li>Single change in direction shall be 1500mm x 1500mm.</li> </ul>	
11	<p><b>Stairways</b></p> <p>All new stairways must comply with Part 11 of AS1428.1-2009 being opaque risers and 30% contrasting nosing's, stairs should contain at least 2 steps and no more than 18 in each flight.</p> <p>Stairs and landings within a fire isolated exits must comply with Part 11.1 (f) and (g) being 30% contrasting nosing strips.</p> <p>The strip shall have a maximum of 15mm from the front of nosing, be between 50mm – 75mm deep across the full width of the stair. The nosing shall not extend further</p>	<p>Compliance readily achievable– further details to be provided as design develops</p> <p>Further details of all proposed stairways to be provided as the design develops towards CWC.</p> 

AS1428.1-2009 – Design for Access and Mobility		
Clause	Description	Commentary
	<p>than 10mm down the riser.</p> <p>TGSIs are required at the top and bottom of the stair.</p>	
12	<p><b>Handrails</b></p> <p>Accessible handrails are to be provided to all new stairs and ramps in accordance with AS1428.1-2009. Notably 1:10 step ramps that are no longer than 1900mm need not comply.</p> <p>Accessible Handrails are required to be on both sides of accessible stairs with extensions and design requirements in accordance with AS1428.1-2009 as follows:</p> <ul style="list-style-type: none"> <li>• Handrails to be provided to both sides of the stair</li> <li>• Handrails to extend 300mm past the top riser, parallel to the floor</li> <li>• At the base of the stairs, handrails must extend one tread width, continuing the angle of the handrail, plus 300mm</li> <li>• Handrails to be installed at a continuous height of between 865mm and 1000mm above the nosing of the stairs as well as between 665mm – 750mm for primary school users</li> </ul>	<p>Compliance readily achievable – further details to be provided as design develops</p> <p>Further details of all proposed stairways and ramps to be provided as the design develops towards the Crown Works Certificate.</p>

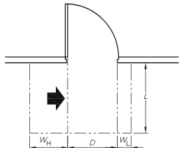
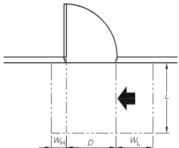
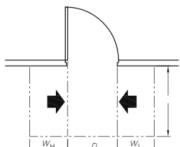
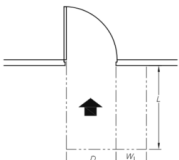
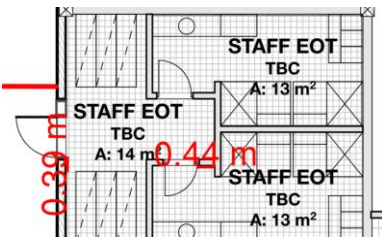
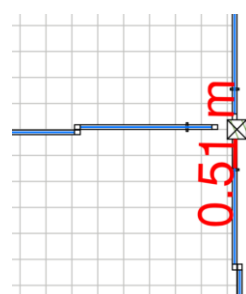


AS1428.1-2009 – Design for Access and Mobility		
Clause	Description	Commentary
	<ul style="list-style-type: none"> <li>Where a balustrade is required at greater height, both shall be provided</li> <li>Provide circular or elliptical handrails with a diameter of 3050mm for not less than 270° around the uppermost surface</li> <li>Handrails must be securely fixed and rigid with the ends turned downwards through an angle of 180° for a minimum of 100mm, return to an end post or returned away to side wall</li> <li>Exposed edges and corners of handrails must be finished with a safety radius of not less than 5mm</li> <li>Provide a clearance of not less than 50mm between the handrail and adjacent wall or other obstruction. This clearance to extend above the handrail by no less than 600mm</li> <li>Handrails must be constructed and fixed with no obstruction to the passage of a hand along the length of the rail</li> <li>Handrails must not encroach into circulation spaces such as at doorways.</li> </ul>	
	<p><b>Handrails to fire isolated stairs</b></p> <p>Handrails within fire isolated stairs serving storeys required to be accessible are to comply with the following;</p> <ul style="list-style-type: none"> <li>Handrails to be provided to one side of the stair</li> <li>Handrails must not encroach into circulation spaces such as at doorways</li> <li>Provide circular or elliptical handrails with a diameter of</li> </ul>	<p>It is noted that external stairs in lieu of fire isolated stairs are to be utilised as part of the design.</p> <p>Note where sprinklers are adopted under the design, the stairs become non-fire isolated stairs. Refer to the BCA Design Compliance Report Ref. GHPS SSDA_4.4_BCA Design Compliance Report_October 2022 by MBC Group for further information.</p>

AS1428.1-2009 – Design for Access and Mobility		
Clause	Description	Commentary
	<p>3050mm for not less than 270° around the uppermost surface</p> <ul style="list-style-type: none"> <li>Exposed edges and corners of handrails must be finished with a safety radius of not less than 5mm</li> <li>Handrails to be installed at a continuous height throughout of between 865mm and 1000mm above the nosing of the stairs and landings</li> <li>Handrails must be securely fixed and rigid with the ends turned downwards through an angle of 180° for a minimum of 100mm, return to an end post or returned away to side wall</li> <li>Provide a clearance of not less than 50mm between the handrail and adjacent wall or other obstruction. This clearance to extend above the handrail by no less than 600mm</li> <li>Handrails must be constructed and fixed with no obstruction to the passage of a hand along the length of the rail</li> <li>The inside handrail at landings shall be continuous</li> <li>Where a balustrade is required at greater height, both shall be provided</li> </ul>	
13.1	<p><b>Doorways - Luminance Contrast</b></p> <p>All new doorways in accessible areas shall have a minimum luminance contrast of 30% provided between:</p> <ol style="list-style-type: none"> <li>door leaf and door jamb</li> <li>door leaf and adjacent wall</li> <li>architrave and wall</li> <li>door leaf and architrave; or</li> </ol>	<p>Compliance readily achievable – further details to be provided as design develops towards the Crown Works Certificate.</p>

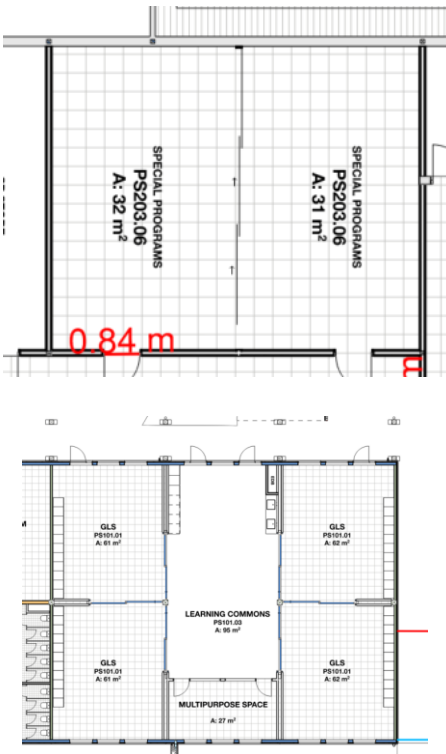
AS1428.1-2009 – Design for Access and Mobility		
Clause	Description	Commentary
	<p>e. door jamb and adjacent wall.</p> <p>The minimum width of the area of luminance contrast shall be 50mm.</p>	
13.2	<p><b>Clear Opening of Doorways</b></p> <p>All new doorways in accessible areas are to be a minimum of 850mm clear opening.</p> <p>Where there are multiple leaves, at least one leaf must be compliant and no less than 850mm clear.</p>	<p>The following commentary is provided:</p> <p><b>Block A and B</b></p> <ul style="list-style-type: none"> <li>Doorways within Blocks A and B were typically noted as being scaled at 750mm – 800mm. As this building is required to be accessible, all doorways are required to be a minimum 850mm wide. Architect to note and ensure this detail is provided in the next iteration of design.</li> </ul> 
13.3	<p><b>Circulation Space Around Accessible Doors</b></p> <p>All doors are to be provided with clear</p>	<p>The following commentary is provided:</p> <p><b>Block A and B</b></p> <ul style="list-style-type: none"> <li>Inadequate latchside door circulation spaces were noted in a</li> </ul>

# AS1428.1-2009 – Design for Access and Mobility

Clause	Description	Commentary																																																																																
	<p>circulation space to meet Clause 13 of AS1428.1-2009 to allow a wheelchair user to approach and operate the door from the general corridors and from within the individual rooms, dependent on the type of door (sliding or swing) and the direction of approach</p> <div><div><table><thead><tr><th>Dimension D</th><th>Dimension L</th><th>Dimension WH</th><th>Dimension WL</th></tr></thead><tbody><tr><td>850</td><td>1220</td><td>560</td><td>340</td></tr><tr><td>900</td><td>1185</td><td>510</td><td>340</td></tr><tr><td>950</td><td>1160</td><td>460</td><td>340</td></tr><tr><td>1000</td><td>1140</td><td>410</td><td>340</td></tr></tbody></table><p>(a) Hinge-side approach, door opens away from user</p></div><div><table><thead><tr><th>Dimension D</th><th>Dimension L</th><th>Dimension WH</th><th>Dimension WL</th></tr></thead><tbody><tr><td>850</td><td>1240</td><td>240</td><td>660</td></tr><tr><td>900</td><td>1210</td><td>190</td><td>660</td></tr><tr><td>950</td><td>1175</td><td>140</td><td>660</td></tr><tr><td>1000</td><td>1155</td><td>90</td><td>660</td></tr></tbody></table><p>(b) Latch-side approach, door opens away from user</p></div><div><table><thead><tr><th>Dimension D</th><th>Dimension L</th><th>Dimension WH</th><th>Dimension WL</th></tr></thead><tbody><tr><td>850</td><td>1240</td><td>560</td><td>660</td></tr><tr><td>900</td><td>1210</td><td>510</td><td>660</td></tr><tr><td>950</td><td>1175</td><td>460</td><td>660</td></tr><tr><td>1000</td><td>1155</td><td>410</td><td>660</td></tr></tbody></table><p>(c) Either side approach, door opens away from user</p></div><div><table><thead><tr><th>Dimension D</th><th>Dimension L</th><th>Dimension WH</th><th>Dimension WL</th></tr></thead><tbody><tr><td>850</td><td>1450</td><td>0</td><td>510</td></tr><tr><td>900</td><td>1450</td><td>0</td><td>510</td></tr><tr><td>950</td><td>1450</td><td>0</td><td>510</td></tr><tr><td>1000</td><td>1450</td><td>0</td><td>510</td></tr></tbody></table><p>(d) Front approach, door opens away from user</p></div><div><p>LEGEND:</p><p>D = Clear opening of width of doorway</p><p>L = Length</p><p>WH = Width—hinge side</p><p>WL = Width—latch side</p><p>→ = Direction of approach</p><p>--- = Circulation space</p><p>DIMENSIONS IN MILLIMETRES</p></div></div> <p>FIGURE 31 (in part) CIRCULATION SPACES AT DOORWAYS WITH SWINGING DOORS</p>	Dimension D	Dimension L	Dimension WH	Dimension WL	850	1220	560	340	900	1185	510	340	950	1160	460	340	1000	1140	410	340	Dimension D	Dimension L	Dimension WH	Dimension WL	850	1240	240	660	900	1210	190	660	950	1175	140	660	1000	1155	90	660	Dimension D	Dimension L	Dimension WH	Dimension WL	850	1240	560	660	900	1210	510	660	950	1175	460	660	1000	1155	410	660	Dimension D	Dimension L	Dimension WH	Dimension WL	850	1450	0	510	900	1450	0	510	950	1450	0	510	1000	1450	0	510	<p>few locations to be less than 510mm (when door is swinging away from the user) and 530mm (when the door is swinging towards the user). Architect to note the below locations and ensure that all door circulation spaces comply with the relevant requirements of AS1428.1-2009</p> <div></div> <p>Architect to note that door hardware is to be a minimum 530mm out from any internal corner.</p> <div></div> <p>OUTDOOR LEARN DE 14</p>
Dimension D	Dimension L	Dimension WH	Dimension WL																																																																															
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950	1175	460	660																																																																															
1000	1155	410	660																																																																															
Dimension D	Dimension L	Dimension WH	Dimension WL																																																																															
850	1450	0	510																																																																															
900	1450	0	510																																																																															
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1000	1450	0	510																																																																															

## AS1428.1-2009 – Design for Access and Mobility

Clause	Description	Commentary
	<p><b>FIGURE 31 (in part) CIRCULATION SPACES AT DOORWAYS WITH SWINGING DOORS</b></p>	
	<p><b>FIGURE 32 CIRCULATION SPACES AT DOORWAYS WITH SLIDING DOORS</b></p>	
13.4	<p><b>Distance Between Successive Doorways</b></p> <p>The distance between doorways in vestibules, air locks and other similarly enclosed spaces shall be not less than 1450 mm.</p>	<p>Compliance readily achievable where applicable– further details to be provided as design develops towards the issue of the CWC.</p>

AS1428.1-2009 – Design for Access and Mobility		
Clause	Description	Commentary
	Where the doors encroach into space, the distance shall be not less than 1450 mm plus the door leaf width.	
13.5	<p><b>Door Controls</b></p> <p>All new doors in accessible areas must be provided with handles and latching that allow single hand operation as follows at a height of 900mm-1100mm above FFL.</p> <p>D-lever type handles are typically recommended to swing type doors and D-pull handles should be provided to sliding doors.</p> <p>The clearance between the handle and the back plate or door face at the centre grip section of the handle shall be not less than 35mm and not more than 45mm.</p> <p>For doors other than fire doors and smoke doors where a door closer is fitted, the force required at the door handle to operate the door shall not exceed the following:</p> <ul style="list-style-type: none"> <li>(i) To initially open the door 20N</li> <li>(ii) To swing or slide the door 20N</li> <li>(iii) To hold the door open between 60° and 90° 20N</li> </ul>	<p>Compliance readily achievable– further details to be provided as design develops</p> <p>Further details of the GLS sliding doors are required to be provided confirming that the 20N force will not be exceeded during operation prior to the issue of the CWC.</p> 
13.5	<p><b>Automatic Door Controls</b></p> <p>Automatic door controls such as card readers shall be located no</p>	<p>Compliance achievable where proposed. Architect and Electrical Consultants to note where proposed.</p>



AS1428.1-2009 – Design for Access and Mobility		
Clause	Description	Commentary
	closer than 500mm from internal corners and shall have a surface gradient no steeper than 1:40.	
14	<p><b>Switches and general purpose outlets</b></p> <p>All switches and controls on an accessible path of travel, other than general purpose outlets, shall be located not less than 900 mm nor more than 1100 mm above the plane of the finished floor and not less than 500 mm from internal corners except where on the architrave on the latch side.</p>	Compliance readily achievable where applicable– further details to be provided as design develops

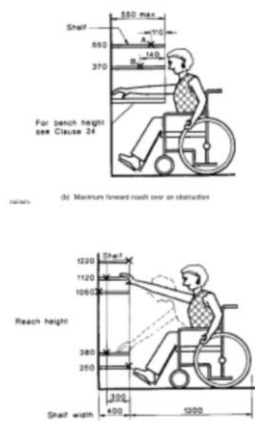
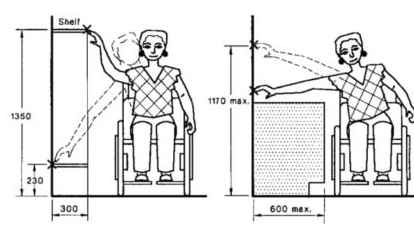
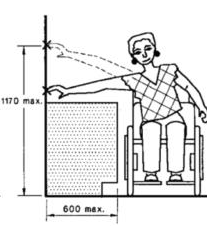
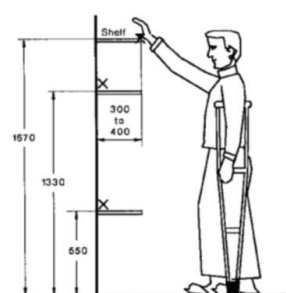
### 3.9 General Accessibility Assessment Recommendations

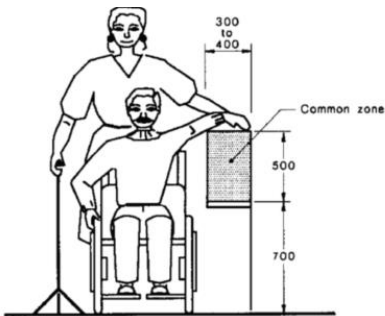
Further to the above prescriptive requirements dictated by the Building Code of Australia and its relevant Australian Standards, the below is a summary of prescriptive requirements under AS1428.2-1994 that are recommendations to be incorporated into the design. It should be noted that AS1428.2-1994 is not a referenced standard under the BCA and are therefore not mandatory to be implemented into the design.

The below table provides a list of advisory recommendations from AS1428.2-1994 should they be incorporated into the design. These are as follows:

AS1428.2-1994 Design for Access and Mobility																				
Clause	Description	Commentary																		
10.2.2	<b>Stairway Handrail</b>  Where there is a background wall, handrails shall have a luminance contrast factor with the wall of not less than 30%.	Advisory note only																		
19.1	<b>Lighting</b>  It is recommended that consideration be given to providing lighting to meet the requirements of AS1428.2.  NOTES: 1 The following minimum levels of maintenance illumination are recommended <table><tr><td>Entrances</td><td>≥150 lx</td></tr><tr><td>Passageways and walkway</td><td>150 lx</td></tr><tr><td>Stairs</td><td>150 lx</td></tr><tr><td>Ramps</td><td>150 lx</td></tr><tr><td>Lifts</td><td>See AS 1735.12</td></tr><tr><td>Toilet and locker rooms</td><td>200 lx</td></tr><tr><td>Counter tops</td><td>250 lx</td></tr><tr><td>General displays</td><td>200-300 lx</td></tr><tr><td>Telephones</td><td>200 lx</td></tr></table>	Entrances	≥150 lx	Passageways and walkway	150 lx	Stairs	150 lx	Ramps	150 lx	Lifts	See AS 1735.12	Toilet and locker rooms	200 lx	Counter tops	250 lx	General displays	200-300 lx	Telephones	200 lx	Advisory note only
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Toilet and locker rooms	200 lx																			
Counter tops	250 lx																			
General displays	200-300 lx																			
Telephones	200 lx																			
15	<b>Sanitary Facilities</b>  At least one emergency call button which complies with AS 2999 shall be installed in accordance with Clause 23 in each sanitary facility or combined facility. Separate call buttons should be placed near the WC pan and shower recess.	Advisory note only																		
17.3	<b>Illumination of Signs</b>  Illumination of signs shall be provided in accordance with Clause 19 for general displays. Lighting shall be placed so that unwanted reflections shall not occur on the sign.	Advisory note only																		

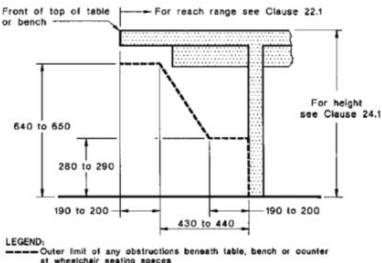
AS1428.2-1994 Design for Access and Mobility		
Clause	Description	Commentary
	The luminance factor of the surface of numbers, letters or symbols shall be not less than 0.3 (30%) different from their background.	
17.4	<p><b>Location of Signs</b></p> <p>Signs including symbols, numbering and lettering shall be located where they are clearly visible to people in both a seated and standing position.</p> <p>Signs should be placed within a zone at a height not less than 1400 mm and not more than 1600 mm above the plane of the finished floor.</p> <p>Where space in this zone is used up, the zone for placement of signs may be extended downward to not less than 1000 mm from the plane of the finished floor. This height assists people to read from either a seated or a standing position, and also assists people with low vision to read the information on the sign. Letters and symbols in relief assist people with severe visual disabilities</p> <p>Where a sign can be temporarily obscured, e.g. in a crowd, the sign should be placed at a height of not less than 2000 mm above the plane of the finished floor.</p>	Advisory note only
18.2	<p><b>Emergency Warning Systems Clause</b></p> <p>Emergency warning systems shall include both audible alarms complying with Clause 18.2.2 and visual alarms complying with Clause 18.2.3. This applies to emergency evacuation signals, traffic signals and audible alarms for safety.</p>	Advisory note only
22	<p><b>Reach Ranges</b></p> <p>Forward reach wheelchair users - If the clear floor space allows only forward approach to an object by a person in a wheelchair, objects shall be in the reach range shown in Figure 20(a). If the high forward reach is over an obstruction,</p>	Advisory note only

AS1428.2-1994 Design for Access and Mobility		
Clause	Description	Commentary
	<p>objects shall be within the reach range shown in Figure 20(b).</p>  <p>(b) Maximum forward reach over an obstruction</p>	
22.2	<p><b>Side Reach</b></p> <p>Side reach wheelchair users - If the clear floor space allows parallel approach to an object by a person in a wheelchair, objects shall be in the reach range shown in Figure 21(a). If the side reach is over an obstruction, objects shall be within the reach range shown in Figure 21(b).</p>  <p>(a) High and low side reach limits</p>  <p>(b) Maximum side reach over obstruction</p>	Advisory note only
22.3	<p><b>Reach Range for Ambulant Disabilities</b></p> 	Advisory note only
22.4	<p><b>Zone of Common Reach</b></p>	Advisory note only

AS1428.2-1994 Design for Access and Mobility		
Clause	Description	Commentary
	<p>The zone for reach to objects which will be suitable for both ambulant people with disabilities and wheelchair users.</p> <p>The zone of common reach includes those dimensions for shelves, fittings, kitchen and laundry equipment, and items such as vending machines and street furniture, that permit ease of reach for both people who are standing and people who are sitting.</p> <p>The zone is obtained by using the maximum reach sideways to a shelf for people sitting in a wheelchair and the lowest reach for people who are standing and may have stiff hips and knees or balance problems.</p> <p>The intention is that all critical controls, areas of operation and storage of equipment commonly used by most members of the community and people in a household will be placed within this zone of common reach.</p> 	
24	<p><b>Furniture and Fitments</b></p> <p>Tables, counters and worktops - No individual table, counter or worktop height and clearance beneath will suit all users with disabilities. A bench with easily adjustable height within the range of 700 mm to 850 mm from the finished floor is preferred. Some users will be unable to use a bench unless it is at the correct height.</p>	Advisory note only
24	<p><b>Accessible Counter Height</b></p>	Advisory note only

AS1428.2-1994 Design for Access and Mobility		
Clause	Description	Commentary
	Although not required to meet minimum regulatory compliance of the BCA, it is recommended that consideration be given to an accessible counter, being a height of 850mm $\pm$ 120mm and clear height underneath of 820mm $\pm$ 20mm.	
24	<b>Height of unit where a single table, counter or worktop only can be provided</b>  Where a single unit only is provided, the height to the top of the unit and the height beneath the unit shall be as follows: a. Height from the finished floor to the top of the unit: 850 $\pm$ 20 mm b. Height of clearance beneath the unit from the finished floor: 820 $\pm$ 20 mm.	Advisory note only
24	<b>Height of unit where two tables, counters or worktops can be provided</b>  Where two units are provided, the height to the top of each unit and clearance beneath each unit shall be as follows: a. Height from the finished floor to the top of the unit: (i) 1st unit: 750 $\pm$ 20 mm (ii) 2nd unit: 850 $\pm$ 20 mm b. Height of clearance beneath unit, from the finished floor: (i) 1st unit: 730 $\pm$ 20 mm (ii) 2nd unit: 820 $\pm$ 20 mm.	Advisory note only
24	<b>Width of Seating Spaces</b>  In order to provide a wheelchair seating space, the minimum clearance width between the legs or other fixtures beneath a table, counter or worktop on at least one accessible face of the unit shall be 800 mm.	Advisory note only
24	<b>Knee and Foot Clearance</b>  A minimum clearance beneath the table, counter or worktop at wheelchair seating spaces shall be maintained. Pedestal tables and tables	Advisory note only



AS1428.2-1994 Design for Access and Mobility		
Clause	Description	Commentary
	<p>with splayed legs are not recommended. Tables with corner legs are preferred.</p>  <p>LEGEND:  Dashed line: Outer limit of any obstructions beneath table, bench or counter at wheelchair seating spaces</p>	
24.2	<p><b>Storage</b></p> <p>Accessible storage facilities such as cabinets, shelves, cupboards and drawers shall comply with the following:</p> <ul style="list-style-type: none"> <li>• Clear floor space A clear floor space of not less than 800 mm x 1300 mm that allows either a forward or parallel approach by a person using a wheelchair shall be provided at accessible storage facilities</li> <li>• Height Accessible storage spaces shall be within one of the reach ranges specified in Clause 22. Clothes-hanging rods or hooks shall be a maximum of 1350 mm from the floor (see Figure 28)</li> <li>• Hardware for accessible storage facilities shall comply with Clause 23. Touch latches and D-shaped pulls are acceptable.</li> <li>• Sliding doors on cupboards are preferred. These allow manoeuvring space for wheelchairs and reduce the risk of injury to visually impaired people. Lightweight gliders should be installed for drawers.</li> </ul>	Advisory note only

## 4 Appendix A – Architectural Plans Reviewed

The following documentation, prepared by Bennett and Trimble was used in the assessment and preparation of this report: -

Drawing No.	Title	Date	Drawn By	Revision
SSDA.01	COVER	05/10/2022	BENNETT AND TRIMBLE	C
SSDA.02	EXISTING SITE PLAN	05/10/2022	BENNETT AND TRIMBLE	C
SSDA.03	SITE PLAN – GF	05/10/2022	BENNETT AND TRIMBLE	D
SSDA.04	SITE PLAN – L1	05/10/2022	BENNETT AND TRIMBLE	C
SSDA.05	SITE PLAN – L2	05/10/2022	BENNETT AND TRIMBLE	C
SSDA.06	SITE PLAN – ROOF	05/10/2022	BENNETT AND TRIMBLE	C
SSDA.07	GA – GROUND LEVEL	05/10/2022	BENNETT AND TRIMBLE	C
SSDA.08	GA – LEVEL 1	05/10/2022	BENNETT AND TRIMBLE	C
SSDA.09	GA – LEVEL 2	05/10/2022	BENNETT AND TRIMBLE	C
SSDA.10	GA – ROOF	05/10/2022	BENNETT AND TRIMBLE	C
SSDA.11	ELEVATIONS	05/10/2022	BENNETT AND TRIMBLE	C
SSDA.12	ELEVATIONS	05/10/2022	BENNETT AND TRIMBLE	C
SSDA.13	SITE SECTIONS	05/10/2022	BENNETT AND TRIMBLE	C

SSDA.14	SIGNAGE	05/10/2022	BENNETT AND TRIMBLE	C
SSDA.15	MATERIAL SCHEDULE	05/10/2022	BENNETT AND TRIMBLE	C
SSDA.16	SHADOW DIAGRAMS	05/10/2022	BENNETT AND TRIMBLE	C



*Building Code of Australia 2019 Amendment 1*  
DDA ASSESSMENT REPORT