



# CREDWELL



Project	Warringah Recreation Centre – Squash Building
Report	BCA Assessment Report (BCA 2022)
Reference	240084-NCC-r2
Date	30/07/2024
Client	Regional Workshop Pty Ltd t/a Webber Architects
Email	Celine Ti Celine@webberarchitects.com

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## Document Control

Reference/Revision	Date	BCA Assessment Report	
240084-NCC-r1 DA report issued for review	19/06/2024	Prepared by	Mudi Liu Building Surveyor – Unrestricted BDC2791
240084-NCC-r2 DA report issued for review	30/07/2024	Prepared by	Mudi Liu Building Surveyor – Unrestricted BDC2791

# 1 Introduction

## 1.1 Objectives

The purpose of this report is to provide an assessment against Volume One of the Building Code of Australia 2022 (BCA) addressing all relevant Deemed-to-Satisfy clauses therein.

The report will identify where the subject building achieves compliance and non-compliance with the BCA and provide instances where a Performance Solutions may be available. Any recommended Performance Solutions are required to be prepared under separate cover.

Part 3 'Assessment Summary' of this report outlines the identified compliance matters that require further information or consideration and/or assessment as a Performance Solution (to be prepared separately).

It is presumed the assumptions, content, and limitations of this report are reviewed, noted, and understood by the reader. Credwell Consulting are to be contacted to clarify any queries or assumptions made in relation to the contents of this report and further, Credwell Consulting take no responsibility for misinterpretation of any of the content herein.

## 1.2 Limitations

This report does not include, nor imply, any audit, assessment, or upgrading of:

1. The structural adequacy or design of the building;
2. The capacity or design of any electrical, fire, hydraulic or mechanical services;
3. The inherent derived fire-resistance ratings of any proposed structural elements of the building (unless specifically referred to); and
4. The Disability (Access to Premises – Building) Standards 2010 and the Disability Discrimination Act 1992 (Cth)

This report does not include, nor imply, any assessment of, or compliance with:

1. The National Construction Code – Plumbing Code of Australian Volume 3;
2. The Disability Discrimination Act 1992 including the Disability ((Access to Premises – Buildings) Standards 2010 – unless specifically referred to), Note: The provision of disabled access to the subject development has been assessed against the Deemed-to-Satisfy provisions of Part D4 and Clauses E3D6, E3D7, E3D8, F4D5, F4D6, F4D7 & F4D12 of BCA 2022 only;
3. Any Development Consent conditions;
4. The Liquor Licencing Act 2007;
5. The Work Health and Safety Act 2011;
6. The Swimming Pools Act 1992; and
7. Requirements of Authorities including, but not limited to, Fire and Rescue NSW, WorkCover, RMS, Council, Telecommunications Supply Authority, Electricity Supply Authority, Water Supply Authority, Gas Supply Authority and the like.
8. Requirements of BCA Section J.

## Interpretations

A number of matters within the BCA are known to be interpretive. Where these matters are encountered, interpretations have been used that are consistent with Credwell Consulting's understanding of standard industry practice.

## Dimensions and Tolerances

In some instances, the BCA specifies minimum dimensions for construction. The assessment of plans and specifications includes a review of such minimum dimensions that are relevant to the project, but Credwell Consulting does not guarantee that all relevant minimum dimensions have been assessed where they are not clearly and explicitly denoted/marked on the architectural drawings.

The relevant designer(s) and builder(s) should confirm that all minimum dimensions are achievable on site prior to works and consideration/attention should be given to construction tolerances impacted by wall set outs, applied finishes, and skirtings to corridors and bathrooms. For example, tiling bed thickness on walls and floors can adversely impact critical minimum dimensions relating to access for people with disabilities, stair and corridor widths, and balustrade heights.

### 1.3 Reviewed documentation

This report is based on documentation referenced in Annexure A.

## 2 Proposed Development

### 2.1 Building location

The building, the subject of this report, is located at 433 Pittwater Rd, North Manly NSW 2100

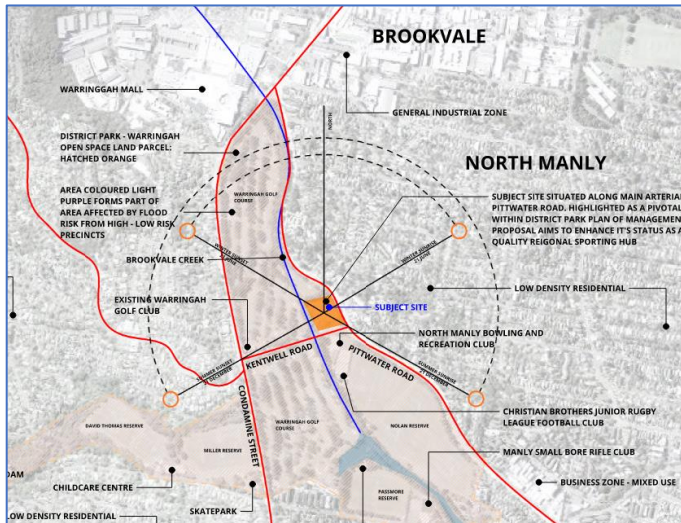


Figure 1 | Site Plan | source: Drawing 0200 Rev F prepared by Webber Architect

### 2.2 Proposal

The proposed development consists of a construction of 1 storey building including three (3) squash courts and associated sanitary facilities.



Figure 2 | Image of the proposed development | source: Drawing 0101 Rev C prepared by Webber Architect

## 2.3 Building description

For the purposes of the BCA, the building is described as follows:

Building Classification	9b	Levels Contained	One (1)
Rise in Storeys	One (1)	Effective Building Height (m)	N/A
Type of Construction	Type C	Climate Zone	5 Northern Beaches Council local government area

## 2.4 Classification

Location	Class	Use	Floor Area
Ground floor	9b	Assembly building	Circa 340m <sup>2</sup>

### Note:

In accordance with Clause A6G1 [2019:A6.0], Exemption 1 of the BCA, for the purposes of determining a building classification, where a part of a building has been designed, constructed or adapted for a different purpose and is less than 10% of the floor area of the storey it is situated on, the classification of the other part of the storey may apply to the whole storey.

The floor areas identified within the above table are in accordance with the BCA definition which may vary from the GFA as determined in accordance with NSW planning legislation

## 2.5 Fire Compartmentation

A detailed FRL and fire compartmentation review has not been undertaken at this stage due to the level of documentation provided for DA. Pending further engagement this will be assessed upon receipt of Construction Documentation.

For the purposes of this assessment, the following fire compartments have been assumed:

1. The entire building forms one fire compartment

## 3 Assessment Summary

### 3.1 Assessment

The reviewed documentation referenced in Annexure A of this report has been assessed against the Deemed-to-Satisfy (DtS) provisions of the BCA. This assessment has identified the following areas where compliance with the BCA will require further consideration.

Part 5 of this report provides a detailed assessment of the proposal against each of the relevant DtS provisions of the BCA.

### 3.2 Possible Performance Solutions (Fire Safety)

The following items relate to areas where a Performance Solution may be available to justify a deviation from the DtS requirements of the BCA. This report does not form a Performance Solution.

Clause A2G2 of the BCA specifies that where a performance solution is proposed, the first step is to prepare a *performance-based design brief* in consultation with relevant stakeholders. Where the performance solution relates to a fire safety requirement, Fire and Rescue NSW consider themselves as a relevant stakeholder and they must be consulted in the *performance-based design brief* process. Fire and Rescue NSW require the performance-based-design brief to be submitted using their FEBQ template and process. Further information about Fire and rescue NSWs opinion and FEBQ process can be found on their website.

Fire Engineered performance solutions must be prepared by a certifier – fire safety (C10). For class 2, 3 or 9c buildings subject to the Design and Building Practitioners Act, the Fire Engineer must also be registered as an *accredited practitioner (fire safety)*.

Furthermore, as part of the construction certificate assessment, the registered certifier must refer Fire Engineered Performance Solutions to Fire Rescue NSW in accordance with *Part 3, Division 3 of the Environmental Planning and Assessment (Development Certification and Fire Safety) Regulation 2021*. Referral under this legislation is required where the Fire Engineered Performance Solution relates to a fire safety requirement. This process is to be coordinated by the certifier as part of the Construction Certificate assessment.

Item	Possible Performance Solution	DtS Provision	Performance Requirements
1.	Nil		

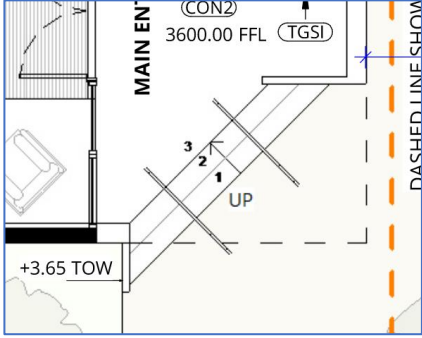
### 3.3 Possible Performance Solutions (Other)

The following items relate to areas where a non-fire engineered Performance Solution may be available to justify a deviation from the DtS requirements of the BCA. This report does not form a Performance Solution.

Where a Performance Solution is proposed, the solution is to be prepared by a suitably qualified person in consultation with all stakeholders.

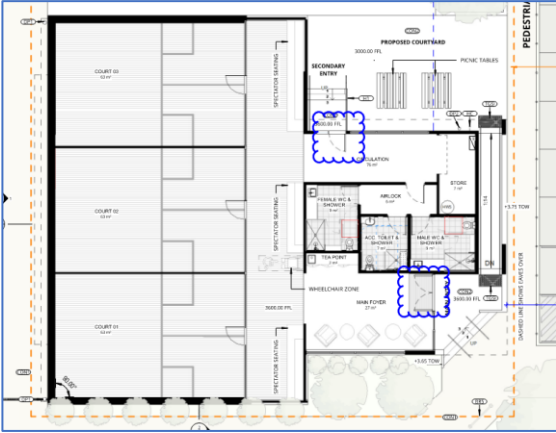
Item	Possible Performance Solution	DtS Provision	Performance Requirements
1.	<b>Stair Geometry</b>	D3D14	D1P2

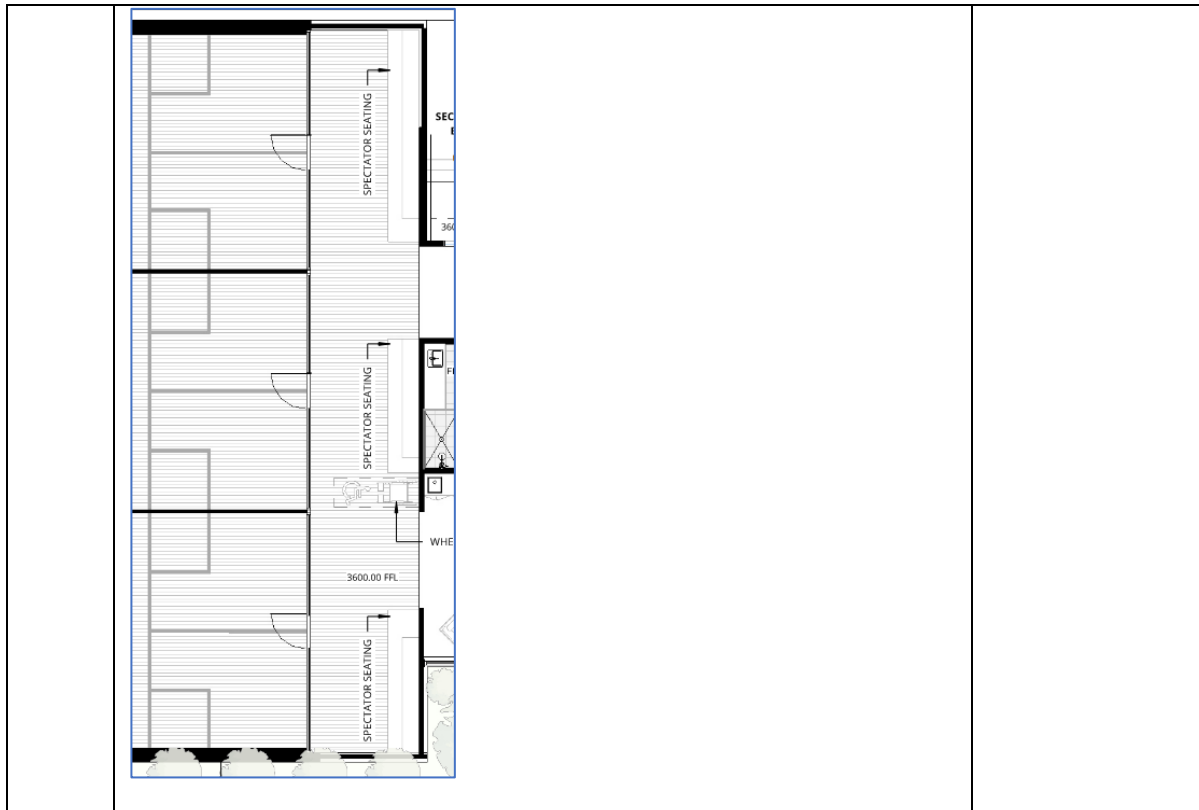


	<p>Stair geometry to the new stairways will be in accordance with BCA 2022 Clause D3D14, and NSW D3D14(1).</p> <p>The proposed curved stairway creates inconsistent goings which may exceed the allowed for 5mm difference between consecutive goings and a performance solution may be sought at discretion of the certifier.</p> 	<p>2019: D2.13</p>	<p>2019: DP2</p>
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### 3.4 Design amendments required

The following items have been identified as departures from the BCA deemed-to-satisfy provisions, and Credwell recommend these items to be resolved with minor design amendments prior to the application for construction certificate:

Item	Amendments required	DtS Provision
<p>1.</p>	<p><b>Swinging doors</b></p> <p>Doors must swing in the direction of egress.</p> 	<p>D3D25</p> <p>2019: D2.20</p>
<p>2.</p>	<p><b>Seating area</b></p> <p>In a seating area—</p> <ul style="list-style-type: none"> <li>the floor must be stepped so that—</li> <li>a line joining the nosings of consecutive steps does not exceed an angle of 30° to the horizontal; and</li> <li>the height of each step in the stepped floor is not more than 600 mm; and</li> <li>the height of any opening in such a step is not more than 125 mm</li> </ul> <p>Detail in compliance with I1D4 must be provided at CC stage for review.</p>	<p>I1D4</p> <p>2019: H1.4</p>



### 3.5 Further information required

For the purposes of this report, general arrangement floor plans, elevations and sections have been reviewed to determine whether the building is capable of complying with the BCA.

Construction Documentation is to be provided and reviewed by Credwell prior to the issuance of the BCA Report for the purposes of the Construction Certificate application. A detailed list of information required for review will be provided by Credwell upon engagement for the Construction Certificate stage assessment.

## 4 Statement of Compliance

The architectural design documentation prepared for submission for the Development Application (as referred to in Annexure A of this report) have been assessed against the relevant provisions of the BCA. This assessment was limited to an assessment of the BCA in order to identify any items that may necessitate a modified development consent or additional key items that must be included in the design. It is considered that the documentation complies or is capable of complying with the BCA as outlined in part 5 subject to resolution of items identified in this Report.

As identified in the Clause by Clause assessment, sufficient construction documentation is required in order to undertake a full assessment prior to the application for Construction Certificate.

## 5 Disability (Access to Premises - Buildings) Standards 2010

The Disability (Access to Premises – Buildings) Standards 2010 (the “Premises Standards”) was created under the DDA and is also Commonwealth legislation (applies nationally). The Premises Standards identifies buildings to which it applies before specifying construction standards that those buildings are required to comply with. In summary, the Premises Standards are applicable to a new building, a new part of a building, and an affected part of a building, and the construction standards applicable are contained within “Schedule 1 Access Code for Buildings”.

The Premises Standards provides a definition for a new building, a new part of a building, and an affected part of a building. The definition of a new building and a new part of a building is currently considered to be in line with standard dictionary definitions (unless a building or part obtained construction approvals prior to 1 May 2011). However, the term “affected part” is specific to the Premises Standards and is defined by clause 2.1(5) as follows –

- a) the principal pedestrian entrance of an existing building that contains a new part; and*
- b) any part of an existing building, that contains a new part, that is necessary to provide a continuous accessible path of travel from the entrance to the new part.*

The upgrade requirements of the Premises Standards are founded on determining whether a development within an existing building result in the creation of an affected part.

As previously mentioned, the construction standards of the Premises Standards are contained within “Schedule 1 Access Code for Buildings”. It should be noted that this part of the Premises Standards was prepared in consultation with the Australian Building Codes Board (ABCB – publisher of the BCA). As such, the requirements outlined in each document are the same. Therefore, assessment of the proposed development against the relevant requirements of the BCA applicable to access for people with a disability ensures that it also complies with the Premises Standards.

The subject proposed development incorporates construction of a new building; therefore, the entire building must comply with the Premises Standards. An assessment of the building against the relevant requirements of the BCA applicable to access for people with a disability, as outlined in this Report, is equivalent to an assessment against “Schedule 1 Access Code for Buildings” of the Premises Standards. Therefore, confirmation of compliance with the BCA should also be taken as confirmation of compliance with the Premises Standards.

## 6 Clause by Clause Assessment

An assessment of the proposal has been undertaken against each clause of the BCA and the following abbreviations have been used.

<b>PS</b>	A Performance Solution is proposed to achieve compliance with this Clause.
CRA	<p>“Compliance Readily Achievable” – it is considered that whilst there is insufficient information currently provided to determine strict compliance with the DtS provisions of the BCA the proposed design is capable of comply subject to noting the requirements of the Clause.</p> <p>Additional information or documentation is necessary to confirm compliance. This may be in the form of additional drawing, a specification or design certification. See Appendix D for a proposed specification</p>
Complies	The proposal shows compliance with the Deemed-to-Satisfy Clause.
<b>DNC</b>	The design does not comply with the Deemed-to-Satisfy Clause and design amendments are required
<b>FI</b>	Further information is required for assessment of the proposal relative to the DtS Clause
N/A	The DtS Clause is not applicable at this stage to this design.
Noted	The DtS Clause provides information not requiring specific assessment of the proposed design.
To be assessed at CC stage	An assessment against this provision is not included in a DA stage report due to the level of documentation provided. Pending further engagement, this will be assessed upon receipt of Construction Documentation.

SECTION B - STRUCTURE				
Clause	[2019]	Description	Comments	Assessment
<b>Part B1 – Structural Provisions</b>				
An assessment against Section B has not been undertaken as part of this report and a suitably qualified Structural Engineer is to be engaged to confirm compliance with this part (where applicable).				

SECTION C – FIRE RESISTANCE				
Clause	[2019]	Description	Comments	Assessment
<b>Part C1 – Fire resistance</b>				
This part details the objectives, functional statements, performance requirements and verification methods relevant to this Section.				
<b>Part C2 – Fire resistance and stability</b>				
C2D1	C1.0	DtS Provisions	Information only.	Noted
C2D2	C1.1	Type of construction required	The building is to be of Type C Construction.	Noted
C2D3	C1.2	Calculation of rise in storeys	The rise in storey of the building is one (1)  The rise in storey is the sum of storeys at any part of the external wall of the building and any storey within the roof space.	Noted
C2D4	C1.3	Buildings of multiple classifications	The building does not contain multiple classification and therefore this clause does not apply.	N/A
C2D5	C1.4	Mixed types of construction	The building will be a single Type of construction and therefore this clause does not apply.	N/A
C2D6	C1.5	Two storey Class 2, 3 and 9c buildings	The building is not a two storey class 2, 3 or 9c building and therefore this clause does not apply.	N/A
C2D7	C1.6	Class 4 parts of buildings	The building does not contain a class 4 part and therefore this clause does not apply.	N/A
C2D8	C1.7	Open spectator stands and indoor sports stadiums	The building does not contain an open spectator stands.  This concession is not to be sought and the building is assessed as Type C Construction.	Noted
C2D9	C1.8	Lightweight construction	Lightweight construction must comply with Specification 6.	To be assessed at CC stage
C2D10	C1.9	Non-combustible building elements	The building is Type C Construction and therefore this clause does not apply.	N/A
C2D11	C1.10	Fire hazard properties	Fire hazard properties of all materials to comply with this Clause and Specification 7.  Details of proposed floor, wall and ceiling linings, air-handling ductwork, sarking and insulation type materials, including AS 1530.3 test reports are to be provided to enable a full assessment.	To be assessed at CC stage
C2D12	C1.11	Performance of external walls in fire	1-2 storey buildings that contain tilt-up / precast concrete panels that can collapse as completed panels must comply with specification 8.  Confirmation of compliance with specification 8 must be provided by a suitably qualified structural engineer as part of their Design Documentation and prior to construction.	To be assessed at CC stage
C2D13	C1.13	Fire-protected timber: Concession	Fire protected timber is not proposed where an element is required to be non-combustible and therefore this clause does not apply.	N/A

Clause	[2019]	Description	Comments	Assessment
C2D14	C1.14	Ancillary elements	The building is Type C Construction and therefore this clause does not apply.	N/A
C2D15	-	Fixing of bonded laminated cladding panels	The building is Type C Construction and therefore this clause does not apply.	N/A
<b>Part C3 – Compartmentation and separation</b>				
C3D1	C2.0	DtS Provisions	Information only.	Noted
C3D2	C2.1	Application of Part	C3D3, C3D4, C3D5 do not apply to a carpark provided with an AS 2118 sprinkler system complying with Specification 17, an open deck carpark, or an open spectator stand.	Noted
C3D3	C2.2	General floor area and volume limitations	The proposal is within the area and volume limitations of this clause.	Noted
C3D4	C2.3	Large isolated building	The building does not exceed the area and volume limitations of clause C3D3 and therefore this clause does not apply.	N/A
C3D5	C2.4	Requirements for open spaces and vehicular access	The building does not exceed the area and volume limitations of clause C3D3 and therefore this clause does not apply.	N/A
C3D6	C2.5	Class 9 buildings	The building does not contain a class 9a, 9c or 9b early childhood centre and therefore this clause does not apply.	N/A
C3D7	C2.6	Vertical separation of openings in external walls	The building is not of Type A construction and therefore this clause does not apply.	N/A
C3D8	C2.7	Separation by fire walls	The development does not contain fire walls and therefore this clause does not apply	N/A
C3D9	C2.8	Separation of classifications in the same storey	The building does not contain multiple classifications on the same storey and therefore this clause does not apply.	N/A
C3D10	C2.9	Separation of classifications in different storeys	The building does not contain multiple classifications on different storeys and therefore this clause does not apply.	N/A
C3D11	C2.10	Separation of lift shafts	The development does not incorporate a lift and therefore this clause does not apply.	N/A
C3D12	C2.11	Stairways and lifts in one shaft	The development does not contain stair and lift and therefore this clause does not apply.	N/A
C3D13	C2.12	Separation of equipment	Where separation is required, FRL plans are to be provided as part of the Construction Documentation to confirm compliance with this provision.	To be assessed at CC stage
C3D14	C2.13	Electricity supply system	Where separation is required, FRL plans are to be provided as part of the Construction Documentation to confirm compliance with this provision.	To be assessed at CC stage
C3D15	C2.14	Public corridors in a Class 2 and 3 buildings	The development does not incorporate any class 2 or 3 uses and therefore this clause does not apply.	N/A
<b>Part C4 – Protection of openings</b>				
C4D1	C3.0	DtS Provisions	Information only.	Noted
C4D2	C3.1	Application of Part	Information only.	Noted
C4D3	C3.2	Protection of openings in external walls	Openings within external walls that are required to have an FRL and are within the limitations of this provision must be protected in accordance with C4D5.  The development does not incorporate any openings in external walls subject to compliance with this clause.	N/A
C4D4	C3.3	Separation of external walls and associated openings in	The development does not contain different fire compartments separated by a fire wall and therefore this clause does not apply.	N/A

Clause	[2019]	Description	Comments	Assessment
		different fire compartments		
C4D5	C3.4	Acceptable methods of protection	The development does not incorporate any openings that require protection and therefore this clause does not apply.	N/A
C4D6	C3.5	Doorways in fire walls	The development does not incorporate any fire walls and therefore this clause does not apply.	N/A
C4D7	C3.6	Sliding fire doors	The development does not incorporate any sliding fire doors and therefore this clause does not apply.	N/A
C4D8	C3.7	Protection of doorways in horizontal exits	The development does not incorporate any horizontal exits and therefore this clause does not apply.	N/A
C4D9	C3.8	Openings in fire-isolated exits	The development does not incorporate any fire isolated exits and therefore this clause does not apply.	N/A
C4D10	C3.9	Service penetrations in fire-isolated exits	The development does not incorporate any fire isolated exits and therefore this clause does not apply.	N/A
C4D11	C3.10	Openings in fire-isolated lift shafts	The development does not incorporate any fire isolated lift shafts and therefore this clause does not apply.	N/A
C4D12	C3.11	Bounding construction: Class 2 and 3 buildings and Class 4 parts	The development does not incorporate any class 2, 3 or 4 uses and therefore this clause does not apply.	N/A
C4D13	C3.12	Openings in floors and ceilings for services	The development does not incorporate any fire rated floors or ceilings and therefore this clause does not apply.	N/A
C4D14	C3.13	Openings in shafts	The development is not of Type A Construction and therefore this clause does not apply.	N/A
C4D15	C3.15	Openings for service installations	Service penetrations through fire rated building elements are to be sealed in accordance with a tested system and manufacturer specifications in accordance with this Clause.  The building does not contain fire rated building elements.	N/A
C4D16	C3.16	Construction joints	Construction joints in fire rated building elements are to be appropriately treated to maintain the integrity and insulation of the element in which they are located.  The building does not contain fire rated building elements.	N/A
C4D17	C3.17	Columns protected with lightweight construction to achieve an FRL	Any columns protected with lightweight fire rated materials to achieve a required FRL are to comply with this Clause.	To be assessed at CC stage
<b>Specification 5 – Fire-resisting construction [2019: Spec C1.1]</b>				
S5C1	1	Scope	This Specification contains the requirements for fire resisting construction of building elements.	Noted
S5C2	2.1	Exposure to FSF	The building is more than 3m from any fire source features.	Noted
S5C3	2.2	Fire protection for support of another part	Where a part of a building required to have a FRL depends on direct vertical or lateral support from another part to maintain its FRL. That supporting part must have a FRL not less than that required by other provisions as set out in this Clause.	N/A



Clause	[2019]	Description	Comments	Assessment
			The building does not contain fire rated building elements.	
S5C4	2.3	Lintels	A lintel must have the FRL required for the part of the building in which it is situated unless it does not contribute to the support of a fire door, fire window or fire shutter and it otherwise complies with this Clause.  The building does not contain fire rated building elements.	N/A
S5C5	2.4	Method of attachment reduce the fire-resistance of building element	The fire-resistance of a building element is not to be impacted by the method of attaching or installing a finish, lining, ancillary element or a service installation in accordance with this Clause  The building does not contain fire rated building elements.	N/A
S5C6	2.5	General concessions	Information only	To be assessed at CC stage
S5C7	2.6	Mezzanine floors: Concession	The building does not contain a mezzanine and therefore this clause does not apply.	N/A
S5C8	2.7	Enclosure of Shafts	The building does not contain any shafts that are required to be fire rated and therefore this clause does not apply.	N/A
S5C9	2.8	Carparks in Class 2 and 3 buildings	The building does not contain any class 2 or 3 parts and therefore this clause does not apply.	N/A
S5C10	2.9	Residential aged care building: Concession	The building does not contain a residential aged care building and therefore this clause does not apply.	N/A
	3	Type A Construction		
S5C11	3.1	Fire-resistance of building elements	The building is Type C construction and therefore S5C11 – S5C23 do not apply.	N/A
S5C12	3.2	Concessions for floors	The building is Type C construction and therefore S5C11 – S5C23 do not apply.	N/A
S5C13	3.3	Floor loading of Class 5 and 9b buildings: Concession	The building is Type C construction and therefore S5C11 – S5C23 do not apply.	N/A
S5C14	3.4	Roof superimposed on concrete slab: Concession	The building is Type C construction and therefore S5C11 – S5C23 do not apply.	N/A
S5C15	3.5	Roof: Concession	The building is Type C construction and therefore S5C11 – S5C23 do not apply.	N/A
S5C16	3.6	Rooflights	The building is Type C construction and therefore S5C11 – S5C23 do not apply.	N/A
S5C17	3.7	Internal columns and walls: Concession	The building is Type C construction and therefore S5C11 – S5C23 do not apply.	N/A
S5C18	3.8	Open spectator stands and indoor sports stadiums: Concession	The building is Type C construction and therefore S5C11 – S5C23 do not apply.	N/A
S5C19	3.9	Carparks	The building is Type C construction and therefore S5C11 – S5C23 do not apply.	N/A

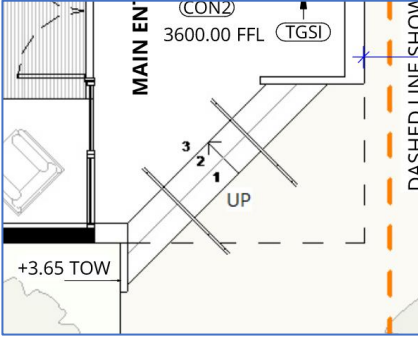
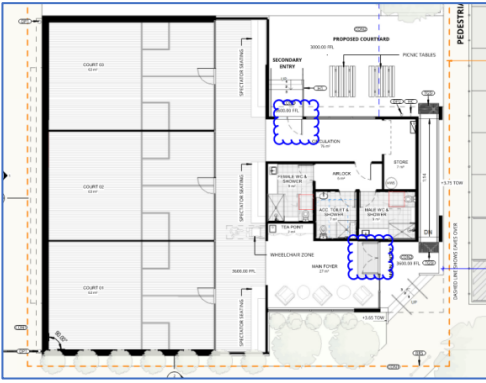
Clause	[2019]	Description	Comments	Assessment
S5C20	3.10	Class 2 and 3 buildings: Concession	The building is Type C construction and therefore S5C11 – S5C23 do not apply.	N/A
	4	Type B Construction		
S5C21	4.1	Fire resistance of building elements	The building is Type C construction and therefore S5C11 – S5C23 do not apply.	N/A
S5C22	4.2	Carparks	The building is Type C construction and therefore S5C11 – S5C23 do not apply.	N/A
S5C23	4.3	Class 2 and 3 buildings: Concession	The building is Type C construction and therefore S5C11 – S5C23 do not apply.	N/A
	5	Type C Construction		
S5C24	5.1	Fire resistance of building elements	The building elements are to have FRLs as determined by this Clause. See Part 4 of the Report.  It is noted that FRLs for external walls need only be measured from the external side of the wall.	To be assessed at CC stage
S5C25	5.2	Carparks	The development does not contain a carpark and therefore this clause does not apply.	N/A
<b>Specification 6 – Structural tests for lightweight construction [2019: Spec C1.8]</b>				
An assessment against this specification is not included in a DA stage report due to the level of documentation provided. Pending further engagement, where applicable, this will be assessed upon receipt of Construction Documentation.				
<b>Specification 7 – Fire hazard properties [2019: Spec C1.10]</b>				
An assessment against this specification is not included in a DA stage report due to the level of documentation provided. Pending further engagement, this will be assessed upon receipt of Construction Documentation.				
<b>Specification 8 – Performance of external walls in fire [2019: Spec C1.11]</b>				
An assessment against this specification is not included in a DA stage report due to the level of documentation provided. Pending further engagement, where applicable, this will be assessed upon receipt of Construction Documentation.				
<b>Specification 9 – Cavity barriers for fire-protected timber [2019: Spec C1.13]</b>				
An assessment against this specification is not included in a DA stage report due to the level of documentation provided. Pending further engagement, where applicable, this will be assessed upon receipt of Construction Documentation.				
<b>Specification 10 – Fire-protected timber [2019: Spec C1.13a]</b>				
An assessment against this specification is not included in a DA stage report due to the level of documentation provided. Pending further engagement, where applicable, this will be assessed upon receipt of Construction Documentation.				
<b>Specification 11 – Smoke-proof walls in health-care and residential care buildings [2019: Spec C2.5]</b>				
An assessment against this specification is not included in a DA stage report due to the level of documentation provided. Pending further engagement, where applicable, this will be assessed upon receipt of Construction Documentation.				
<b>Specification 12 – Fire doors, smoke doors, fire windows and shutters [2019: Spec C3.4]</b>				
An assessment against this specification is not included in a DA stage report due to the level of documentation provided. Pending further engagement, where applicable, this will be assessed upon receipt of Construction Documentation.				
<b>Specification 13 – Fire doors, smoke doors, fire windows and shutters [2019: Spec C3.15]</b>				
An assessment against this specification is not included in a DA stage report due to the level of documentation provided. Pending further engagement, where applicable, this will be assessed upon receipt of Construction Documentation.				

**SECTION D – ACCESS AND EGRESS**

Clause	[2019]	Description	Comments	Assessment
<b>Part D1 – Access and egress</b>				
This part details the objectives, functional statements, performance requirements and verification methods relevant to this Section.				
<b>Part D2 – Provision for escape</b>				
D2D1	D1.0	DtS Provisions	Information only.	Noted
D2D2	D1.1	Application of Part	Information only.	Noted
D2D3	D1.2	Number of exits required	The provision of exits throughout the building complies.	Complies

Clause	[2019]	Description	Comments	Assessment
D2D4	D1.3	When fire-isolated stairways and ramps are required	The development is single storey and therefore this clause does not apply.	N/A
D2D5	D1.4	Exit travel distances	The exit travel distances are within the limitations of this clause.	Complies
D2D6	D1.5	Distance between alternative exits	The distances between alternative exits are within the limitations of this clause.	Complies
D2D7	D1.6(a)	Height of exits, paths of travel to exits and doorways	The required exit or path of travel to an exit must be not less than 2m in height. The reduction in height to 1980mm is permitted at any doorway.	CRA
D2D8	D1.6(b), (c), (d) and (e)	Width of exits and paths of travel to exits	A minimum clear width of 1m is required for each exit and path of travel to exits. The 1m is to be clear of all obstructions such as handrails, PFE, hydrants etc.	CRA
D2D9	D1.6(f)	Width of doorways in exits or paths of travel to exits	The minimum width of 750mm through a doorway is required unless otherwise specified in this clause. Given that the access requirements in D4 require a minimum 850mm clearance in accessible areas, we recommend providing clear width of 850mm throughout the development.	CRA
D2D10	D1.6(g)	Exit width not to diminish in direction of travel	The unobstructed width of a required exit must not diminish in the direction of travel.	CRA
D2D11	D1.6(h) & (i)	Determination and measurement of exits and paths of travel to exits	The required stairway and/or ramp must have an unobstructed width (measured clear of handrails) of no less than 1,000mm.	CRA
D2D12	D1.7	Travel via fire-isolated exits	The building does not contain fire isolated exits and therefore this clause does not apply.	N/A
D2D13	D1.8	External stairways or ramps in lieu of fire-isolated exits	The building does not contain external stairways in lieu of fire-isolated stairways and therefore this clause does not apply.	N/A
D2D14	D1.9	Travel by non-fire-isolated stairways or ramps	The building does not contain required non-fire isolated exits and therefore this clause does not apply.	N/A
D2D15	D1.10	Discharge from exits	The discharge of alternative exits must be located as far apart as practical, and where they discharge to open space, a path of travel to the public road must be in accordance with this provision.	CRA
D2D16	D1.11	Horizontal exits	The development does not contain any horizontal exits and therefore this clause does not apply.	N/A
D2D17	D1.12	Non-required stairways, ramps or escalators	The development does not contain any escalator, moving walkway or non-required non fire-isolated stairway or pedestrian ramp and therefore this clause does not apply.	N/A
D2D18	D1.13	Number of persons accommodated	It is noted 1 accessible toilet, 1 male ambulant and 1 female ambulant toilet is provided.  The toilets provided are adequate for 20 participants including 10 males and 10 females; and 20 staff including 10 males and 10 females.	Noted
D2D19	D1.14	Measurement of distances	Information only.	Noted

Clause	[2019]	Description	Comments	Assessment
D2D20	D1.15	Method of measurement	Information only.	Noted
D2D21	D1.16	Plant rooms, lift machine rooms, electricity network substations: Concession	Access for maintenance must be in accordance with this provision.	To be assessed at CC stage
D2D22	D1.17	Access to lift pits	The development does not contain any lifts and therefore this clause does not apply.	N/A
D2D23	D1.18	Egress from primary schools	The building does not incorporate a Class 9b primary school and therefore this clause does not apply	N/A
<b>Part D3 – Construction of Exits</b>				
D3D1	D2.0	DtS Provisions	Information only.	Noted
D3D2	D2.1	Application of Part	Information only.	Noted
D3D3	D2.2	Fire-isolated stairways and ramps	The development does not contain any fire-isolated stairways or ramps and therefore this clause does not apply.	N/A
D3D4	D2.3	Non-fire-isolated stairways and ramps	The development does not contain any required non-fire isolated stairs or ramps serving as required exit and therefore this clause does not apply.	N/A
D3D5	D2.4	Separation of rising and descending stair flights	The development does not contain rising and descending stair flights and therefore this clause does not apply.	N/A
D3D6	D2.5	Open access ramps and balconies	The building is not proposed to be provided with open access ramp or balconies to meet the smoke hazard management requirements of E2D4-E2D13 and therefore this clause does not apply.	N/A
D3D7	D2.6	Smoke lobbies	The building is not required to be provided with a smoke lobby required by D2D12 and therefore this clause does not apply.	N/A
D3D8	D2.7	Installations in exits and paths of travel	Access to services must be in accordance with this provision.	To be assessed at CC stage
D3D9	D2.8	Enclosure of space under stairs and ramps	The development does not contain any stair or ramps therefore this clause does not apply.	N/A
D3D10	D2.9	Width of required stairways and ramps	The plans do not include a required stairway or ramp with a width over 2m.	N/A
D3D11	D2.10	Pedestrian ramps	There are no ramps within the building serving as a required exit shown on the current plans.	N/A
D3D12	D2.11	Fire-isolated passageways	The development does not contain any fire-isolated passageways therefore this clause does not apply.	N/A
D3D13	D2.12	Roof as open space	The development does not contain any roof that has been assessed as open space and therefore this clause does not apply.	N/A
D3D14	D2.13	Goings and risers	<b>Stair Geometry</b>  Stair geometry to the new stairways will be in accordance with BCA 2022 Clause D3D14, and NSW D3D14(1).  The proposed curved stairway creates inconsistent goings which may exceed the allowed for 5mm difference	PS

Clause	[2019]	Description	Comments	Assessment
			<p>between consecutive goings and a performance solution may be sought at discretion of the certifier.</p> 	
D3D15	D2.14	Landings	<p>Landings for flights of stairs are to be at least 750mm long, have a maximum gradient of 1:50 and have a slip resistance in accordance with this Clause.</p> <p>Stair construction details must be provided as part of the Construction documentation to enable further review.</p>	To be assessed at CC stage
D3D16	D2.15	Thresholds	<p>The threshold of a door must not incorporate a step or ramp at any point closer to the doorway than the width of the door leaf in accordance with this Clause.</p>	CRA
D3D17	D2.16(a), (b) and (c)	Barriers to prevent falls	<p>Trafficable surfaces 1 m or more above the surface beneath are to be provided with a barrier in accordance with D3D18-D2D21.</p>	To be assessed at CC stage
D3D18	Table D2.16a	Height of barriers	<p>Generally, the minimum barrier height required is 1m in height. However, on stairways and ramps the minimum barrier height required is 865mm.</p>	To be assessed at CC stage
D3D19		Openings in barriers	<p>The openings are to comply with the requirements of this clause.</p>	To be assessed at CC stage
D3D20		Barrier climbability	<p>Barriers required on a floor more than 4m above the surface beneath must not incorporate climbable elements between 150mm to 760mm.</p>	N/A
D3D21		Wire barriers	<p>Wire barriers must be in accordance with this provision</p>	To be assessed at CC stage
D3D22	D2.17	Handrails	<p>Handrails are to comply with this Clause.</p>	CRA
D3D23	D2.18	Fixed platforms, walkways, stairways and ladders	<p>Where used must comply with AS1657, not proposed in the development.</p>	To be assessed at CC stage
D3D24	D2.19	Doorways and doors	<p>The doorways and doors throughout the building comply.</p>	CRA
D3D25	D2.20	Swinging doors	<p>Doors must swing in the direction of egress</p> 	FI

Clause	[2019]	Description	Comments	Assessment
D3D26	D2.21	Operation of latch	All doorways must be provided with latches compliant with the requirements of this clause.	To be assessed at CC stage
D3D27	D2.22	Re-entry from fire-isolated exits	The development does not contain any fire isolated exits and therefore this clause does not apply.	N/A
D3D28	D2.23	Signs on doors	The development does not contain any fire or smoke doors and therefore this clause does not apply.	N/A
D3D29	D2.24	Protection of openable windows	The development does not contain any class 2, 3, 4 parts, or a class 9b early childhood centre and therefore this clause does not apply.	N/A
D3D30	D2.25	Timber stairway: Concession	No fire-isolated stairways provided on the current plans therefore this concession is not available.	N/A

Part D4 – Access for People with a Disability				
D4D1	D3.0	DtS Provisions	Information only.	Noted
D4D2	D3.1	General building access requirements	<p>Access must be provided to each Classification within the building in accordance with the following:</p> <p><u>Class 9b</u> To and within all other areas normally used by the occupants, except that access need not be provided to tiers or platforms of seating areas that do not contain wheelchair seating spaces.</p>	Noted
D4D3	D3.2	Access to buildings	<p>An accessway must be provided to a building required to be accessible -</p> <ol style="list-style-type: none"> <li>from the main points of a pedestrian entry at the allotment boundary; and</li> <li>from another accessible building connected by a pedestrian link; and</li> <li>from any required accessible carparking space on the allotment.</li> </ol> <p>Also, access must be provided through the principal pedestrian entrances of the building.</p>	CRA
D4D4	D3.3	Part of buildings to be accessible	Parts of the building must comply with the relevant requirements of this clause.	CRA
D4D5	D3.4	Exemptions	No part of the building is exempt under this clause.	Noted
D4D6	D3.5	Accessible carparking	<p>Class 9b</p> <p>1 space for every 100 carparking spaces or part thereof for less than 1000 spaces.</p> <p>It is noted three accessible carparking spaces are provided.</p>	CRA
D4D7	D3.6	Signage	<p>Braille and tactile signage is to be provided in accordance with this Clause and Specification D3.6, throughout the building. Signage will need to be located to achieve compliance. Signs with single lines of characters must have:</p> <ol style="list-style-type: none"> <li>the line of tactile (braille) characters not less than 1250 mm and not higher than 1350 mm above the floor; and</li> <li>be located on the latch side of the door 50-300mm from the architrave. Where this is not possible and only when this is not possible the sign may be placed on the door itself.</li> </ol>	To be assessed at CC stage

			Signage must be provided to accessible toilet and ambulant toilets.	
D4D8	D3.7	Hearing augmentation	A hearing augmentation system must be provided where an inbuilt amplification system, other than one used only for emergency warning, is installed in a room in a Class 9b building	To be assessed at CC stage
D4D9	D3.8	Tactile indicators	Tactile indicators are to be provided to warn people that they are approaching a stairway, ramp or overhead obstruction. Tactiles are to comply with this Clause and AS/NZS1428.4.1-2009.	To be assessed at CC stage
D4D10	D3.9	Wheelchair seating spaces in Class 9b assembly buildings	The building is not provided with fixed seats.	N/A
D4D11	D3.10	Swimming pools	The development does not contain a swimming pool.	N/A
D4D12	D3.11	Ramps	On an access way, a series of connected ramps are not to have a combined vertical rise of 3.6m or more. A landing for a step ramp may not overlap a landing for another step ramp or ramp.	N/A
D4D13	D3.12	Glazing on an accessway	On an access way, 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/NZS1428.4.1-2009.	To be assessed at CC stage
<b>Specification 14 - Non-required stairways, ramps and escalators [2019: Spec D1.12]</b>				
The development does not contain Non-required stairways, ramps and escalators and therefore specification 14 does not apply.				
<b>Specification 15 – Braille and tactile signs [2019: Spec D3.6]</b>				
An assessment against this specification is not included in a DA stage report due to the level of documentation provided. Pending further engagement, where applicable, this will be assessed upon receipt of Construction Documentation.				
<b>Specification 16 – Accessible water entry/exit from swimming pools [2019: Spec D3.10]</b>				
The development does not contain a swimming pool and therefore specification 16 does not apply.				

## SECTION E – SERVICES AND EQUIPMENT

Clause	[2019]	Description	Comments	Assessment
<b>Part E1 – Fire fighting equipment</b>				
E1D1	E1.0	DtS Provisions	Information only.	Noted
E1D2	E1.3	Fire hydrants	The building is not required to be provided with a Hydrant System in accordance with this provision and AS 2419.1	N/A
E1D3	E1.4	Fire hose reels	The building is not required to be provided with a Fire Hose Reel System in accordance with this provision and AS 2441.	N/A
NSW E1D4 - E1D13	E1.5	Sprinklers	The building is not required to be provided with a sprinkler system to meet the requirements of clauses E1D5-E1D13.	N/A
E1D5	Table E1.5	Where sprinklers are required: all classifications	The building does not have an effective height or more than 25m and therefore this clause does not apply.	N/A
E1D6	Table E1.5	Where sprinklers are required: Class 2 and 3 buildings other than residential care buildings	The building does not contain class 2 or 3 parts and therefore this clause does not apply.	N/A
E1D7	Table E1.5	Where sprinklers are required: Class 3 building used as a residential care building	The building does not contain any class 3 residential care areas and therefore this clause does not apply.	N/A

Clause	[2019]	Description	Comments	Assessment
E1D8	Table E1.5	Where sprinklers are required: Class 6 building	The building does not contain class 6 areas and therefore this clause does not apply.	N/A
E1D9	Table E1.5	Where sprinklers are required: Class 7a building, other than an open-deck carpark	The building does not contain class 7a carpark with a fire compartment that accommodates more than 40 vehicles and therefore this clause does not apply.	N/A
E1D10	Table E1.5	Where sprinklers are required: Class 9a health-care building used as a residential care building, Class 9c buildings	The building does not contain class 9a or 9c use and therefore this clause does not apply.	N/A
E1D11	Table E1.5	Where sprinklers are required: Class 9b buildings	The building is not required to be provided with sprinklers.	N/A
E1D12	Table E1.5	Where sprinklers are required: additional requirements	The building does not contain an atrium and has not been assessed as a large isolated building and therefore this clause does not apply.	N/A
E1D13	Table E1.5 (note 4)	Where sprinklers are required: occupancies of excessive hazard	The building does not contain excessive hazards and therefore this clause does not apply.	N/A
E1D14	E1.6	Portable fire extinguishers	The building is to be provided with portable fire extinguishers in accordance with this provision and AS 2444.	To be assessed at CC stage
E1D15	E1.8	Fire control centres	The building does not require a fire control centre.	N/A
E1D16	E1.9	Fire precautions during construction	In a building under construction not less than one fire extinguisher to suit Class A, B and C fires and electrical fires must be provided at all times on each storey adjacent to each required exit or temporary stairway or exit.	Noted
E1D17	E1.10	Provisions for special hazards	No special hazards have been identified at this time.  Any proposed special hazards such as EV charging stations, or battery storage are to be detailed as part of the Construction Documentation.	To be assessed at CC stage
<b>Part E2 – Smoke hazard management</b>				
E2D1	E2.0	DtS Provisions	Information only.	Noted
E2D2	E2.1	Application of Part	Information only.	Noted
E2D3	E2.2	General requirements	An air-handling system which does not form part of a smoke hazard management system in accordance with E2D4 to E2D20 and which recycles air from one fire compartment to another fire compartment or operates in a manner that may unduly contribute to the spread of smoke from one fire compartment to another fire compartment must comply with the requirements of this clause	To be assessed at CC stage
E2D4	Table E2.2a	Fire-isolated exits	The building is not required to be provided with fire isolated exits and therefore this clause does not apply.	N/A
E2D5	Table E2.2a	Buildings more than 25 m in effective height: Class 2 and 3 buildings and Class 4 part of a building	The building has an effective height of less than 25m and therefore this clause does not apply.	N/A
E2D6	Table E2.2a	Buildings more than 25 m in	The building has an effective height of less than 25m and therefore this clause does not apply.	N/A



Clause	[2019]	Description	Comments	Assessment
		effective height: Class 5, 6, 7b, 8 or 9b buildings		
E2D7	Table E2.2a	Buildings more than 25 m in effective height: Class 9a buildings	The building has an effective height of less than 25m and therefore this clause does not apply.	N/A
E2D8	Table E2.2a	Buildings not more than 25 m in effective height: Class 2 and 3 buildings and Class 4 part of a building	This clause does not apply to this development as it is not a Class 2 and 3 buildings and Class 4 part of a building.	N/A
E2D9	Table E2.2a	Buildings not more than 25 m in effective height: Class 5, 6, 7b, 8 and 9b buildings	This clause does not apply to this development as it does not have a rise in storey of more than 2.	N/A
NSW E2D10	NSW Table E2.2a	Buildings not more than 25 m in effective height: large isolated buildings subject to C3D4	This clause does not apply to this development as it is not a large-isolated buildings subject to C3D4	N/A
E2D11	Table E2.2a	Buildings not more than 25 m in effective height: Class 9a and 9c buildings	This clause does not apply to this development as it is not a Class 9a and 9c buildings	N/A
E2D12	Table E2.2a	Class 7a buildings	The development does not contain class 7a parts and therefore this clause does not apply.	N/A
E2D13	Table E2.2a	Basements (other than Class 7a buildings)	The development does not contain a basement that is not included in the rise in storeys and therefore this clause does not apply.	N/A
E2D14	Table E2.2b	Class 6 buildings – in fire compartments more than 2000 m <sup>2</sup> : Class 6 building (not containing an enclosed common walkway or mall serving more than one Class 6 sole- occupancy unit)	The development does not contain class 6 parts and therefore this clause does not apply.	N/A
E2D15	Table E2.2b	Class 6 buildings – in fire compartments more than 2000 m <sup>2</sup> : Class 6 building (containing an enclosed common walkway or mall)	The development does not contain class 6 parts and therefore this clause does not apply.	N/A
NSW E2D16	NSW Table E2.2b	Class 9b – assembly buildings: all	The class 9b assembly building must be provided with and automatic shutdown of any air-handling system upon the activation of smoke detections complying with S20C6.  Note: This only applies when an air-conditioning system is installed in the building (excluding non-ducted individual room units with a capacity of not more than 1000L/s).	To be assessed at CC stage

Clause	[2019]	Description	Comments	Assessment
			Mechanical consultant to confirm whether any air-conditioning system is proposed subject to this provision as part of the Construction Certificate phase.	
NSW E2D17	NSW Table E2.2b	Class 9b – assembly buildings: night clubs, discotheques and the like	The development does not contain any class 9b night clubs, discotheques or the like and therefore this clause does not apply.	N/A
NSW E2D18	NSW Table E2.2b	Class 9b – assembly buildings: exhibition halls, museums and art galleries	The development does not contain any Class 9b exhibition hall, museum or art galleries and therefore this clause does not apply.	N/A
NSW E2D19	NSW Table E2.2b	Class 9b – assembly buildings: other assembly buildings (not listed in NSW E2D16-E2D18)	Sporting complex is exempted from NSW E2D19(1).	N/A
NSW E2D20	Table E2.2b	Class 9b assembly buildings: other assembly buildings (not listed in E2D16 to E2D19)	Clause E2D20 has not been adopted for NSW	N/A
E2D21	E2.3	Provision for special hazards	No special hazards have been identified at this time.  Any proposed special hazards such as EV charging stations, or battery storage are to be detailed as part of the Construction Documentation.	To be assessed at CC stage
<b>Part E3 – Lift installations</b>				
E3D1	E3.0	DtS Provisions	Information only.	Noted
E3D2	E3.1	Lift installations	The building is single storey and is not provided with a lift.	N/A
E3D3	E3.2	Stretcher facility in lifts	The building is single storey and is not provided with a lift.	N/A
E3D4	E3.3	Warning against use of lifts in fire	The building is single storey and is not provided with a lift.	N/A
E3D5	E3.4	Emergency lifts	The building is single storey and is not provided with a lift.	N/A
E3D6	E3.5	Landings	The building is single storey and is not provided with a lift.	N/A
E3D7	E3.6, table E3.6a, Table E3.6b	Passenger lifts and their limitations	The building is single storey and is not provided with a lift.	N/A
E3D8	Table E3.6a, Table E3.6b	Accessible features required for passenger lifts	The building is single storey and is not provided with a lift.	N/A
E3D9	E3.7	Fire service controls	The building is single storey and is not provided with a lift.	N/A
E3D10	E3.8	Residential care buildings	The building is single storey and is not provided with a lift.	N/A
E3D11	E3.9	Fire service recall control switch	The building is single storey and is not provided with a lift.	N/A
E3D12	E3.10	Lift car fire service drive control switch	The building is single storey and is not provided with a lift.	N/A

Clause	[2019]	Description	Comments	Assessment
<b>Part E4 – Visibility in an emergency, exit signs and warning systems</b>				
E4D1	E4.0	DtS Provisions	Information only.	Noted
E4D2	E4.2	Emergency lighting requirements	The building is to be provided with emergency lighting in accordance with this Clause.	To be assessed at CC stage
E4D3	E4.3	Measurement of distance	Information only.	Noted
E4D4	E4.4	Design and operation of emergency lighting	Services designer to confirm the emergency lighting complies with the BCA and AS 2293.1-2018 as part of the CC stage.	To be assessed at CC stage
E4D5	E4.5	Exit signs	Services designer to confirm the exit signage complies with the BCA and AS 2293.1-2018 as part of the CC stage.	To be assessed at CC stage
E4D6	E4.6	Direction signs	Services designer to confirm the exit signage complies with the BCA and AS 2293.1-2018 as part of the CC stage.	To be assessed at CC stage
E4D7	E4.7	Class 2 and 3 buildings and Class 4 parts: Exemptions	The development does not contain class 2, 3 or 4 parts and therefore this clause does not apply.	N/A
E4D8	E4.8	Design and operation of exit signs	Services designer to confirm the exit signage complies with the BCA and AS 2293.1-2018 as part of the CC stage.	To be assessed at CC stage
E4D9	E4.9	Emergency warning and intercom systems	The building is not required to be provided with an EWIS system.	N/A
<b>Specification 17 – Fire sprinkler systems [2019: Spec E1.5]</b>				
This specification does not apply to the development as it is not required to have a sprinkler system.				
<b>Specification 18 – Class 2 and 3 buildings not more than 25 m in effective height [2019: Spec E1.5a]</b>				
This specification does not apply to the development as it is not required to have a sprinkler system.				
<b>Specification 19 – Fire control centres [2019: Spec E1.8]</b>				
This specification does not apply to the development as it is not required to have a fire control centre by clause E1D15.				
<b>Specification 20 – Smoke detection and alarm systems [2019: Spec E2.2a]</b>				
An assessment against this specification is not included in a DA stage report due to the level of documentation provided. Pending further engagement, where applicable, this will be assessed upon receipt of Construction Documentation.				
Please refer to the proposed Fire Safety Schedule for details of the required Fire Safety Systems.				
<b>Specification 21 – Smoke exhaust systems [2019: Spec E2.2b]</b>				
This specification does not apply to the development as it is not required to have smoke exhaust system.				
<b>Specification 22 – Smoke and heat vents [2019: Spec E2.2c]</b>				
This specification does not apply to the development as it is not required to have smoke and heat vent.				
<b>Specification 23 – Residential fire safety systems [2019: Spec E2.2d]</b>				
This specification does not apply to the development as it is not a residential building				
<b>Specification 24 – Lift installations [2019: Spec E3.1]</b>				
This specification does not apply to the development as it is a single storey building and is not provided with a lift.				
<b>Specification 25 – Photoluminescent exit signs [2019: Spec E4.8]</b>				
An assessment against this specification is not included in a DA stage report due to the level of documentation provided. Pending further engagement, where applicable, this will be assessed upon receipt of Construction Documentation.				

## SECTION F – HEALTH AND AMENITY

Clause	[2019]	Description	Comments	Assessment
<b>Part F1 – Surface water management, rising damp and external waterproofing</b>				
An assessment against Part F1, which relates to stormwater drainage, and damp-proofing has not been undertaken and is to be confirmed by a suitably qualified consultant as part of the Construction Certificate Documentation.				
<b>Part F2 – Wet areas and overflow protection</b>				
F2D1	New	DtS Provisions	Information only.	Noted
F2D2	F1.7(a)(b)	Wet Area Construction	Wet areas to be waterproofed to comply with Specification 26 and AS 3740	CRA

Clause	[2019]	Description	Comments	Assessment
F2D3	F1.7(c)-(e)	Rooms containing Urinals	The rooms containing urinals must be graded to a floor waste and waterproofing in accordance with this provision.	CRA
F2D4	F1.11	Floor Wastes	The floor graded to floor wastes must be between 1:80-1:50.	CRA
<b>Part F3 – Roof and wall cladding</b>				
F3D1	New	DtS Provisions	Information only.	Noted
F3D2	F1.5	Roof Coverings	Metal roof sheeting must be to AS 1526.1	CRA
F3D3	F1.6	Sarking	Sarking must comply with AS 4200.1 & AS 4200.2	CRA
F3D4	F1.13	Glazed assemblies	Glazing within the external wall must comply with AS 2047 and this provision	CRA
F3D5	New	Wall Cladding	<p>The external wall cladding must be:</p> <ul style="list-style-type: none"> <li>▪ Masonry to AS 3700; or</li> <li>▪ Autoclaved aerated concrete to AS 5146.3; or</li> <li>▪ Metal wall cladding to AS 1562.1.</li> </ul> <p>Where the cladding does not meet this provision, it must be assessed on a performance basis.</p>	CRA
<b>Part F4 – Sanitary and other facilities</b>				
F4D1	F2.0	DtS Provisions	Information only.	Noted
F4D2	F2.1	Facilities in residential buildings	The development does not contain any class 2, 3, 4 or 9c parts and therefore this clause does not apply.	N/A
F4D3	F2.2	Calculation of number of occupants and facilities	<p>It is noted 1 accessible toilet, 1 male ambulant and 1 female ambulant toilet is provided.</p> <p>The toilets provided are adequate for 20 participants including 10 males and 10 females; and 20 staff including 10 males and 10 females.</p>	Noted
F4D4	F2.3	Facilities in Class 3 to 9 buildings	<p>It is noted 1 accessible toilet, 1 male ambulant and 1 female ambulant toilet is provided.</p> <p>The toilets provided are adequate for 20 participants including 10 males and 10 females; and 20 staff including 10 males and 10 females.</p>	Noted
F4D5	F2.4	Accessible sanitary facilities	Accessible sanitary facilities are provided at each bank of toilets.	CRA
F4D6	Table F2.4a	Accessible unisex sanitary compartments	Accessible sanitary facilities are provided at each bank of toilets.	CRA
F4D7	Table F2.4B	Accessible unisex showers	It is noted a shower is provided within the accessible toilet.	CRA
F4D8	F2.5	Construction of sanitary compartments	The sanitary compartments are capable of complying with this provision	To be assessed at CC stage
F4D9	F2.6	Interpretation: Urinals and washbasins	Information only.	Noted
F4D10	F2.7	Microbial (legionella) control	This Clause is deleted from the BCA in NSW, as the installation of hot water, warm water and cooling water systems is regulated in the Public Health Regulation 2012.	Noted
F4D11	F2.8	Waste management	The development does not contain any class 9a parts and therefore this clause does not apply.	CRA
F4D12	F2.9	Accessible adult change facilities	The building is not required to be provided with accessible adult change facility.	N/A
<b>Part F5 – Room heights</b>				
F5D1	F3.0	DtS Provisions	Information only.	Noted
F5D2	F3.1	Height of rooms and other spaces	The development is capable of complying with this provision.	CRA

Clause	[2019]	Description	Comments	Assessment
<b>Part F6 – Light and ventilation</b>				
F6D1	F4.0	DtS Provisions	Information only.	Noted
F6D2	F4.1	Provisions of natural light	The development does not contain any class 2, 3, 4 of 9 parts and therefore this does not apply.	N/A
F6D3	F4.2	Methods and extent of natural light	The development does not contain any class 2, 3, 4 of 9 parts and therefore this does not apply.	N/A
F6D4	F4.3	Natural light borrowed from adjoining room	The development does not contain any class 2, 3, 4 of 9 parts and therefore this does not apply.	N/A
F6D5	F4.4	Artificial lighting	Artificial lighting to be provided to AS 1680.1.  Compliance is to be confirmed by a suitably qualified electrical consultant.	CRA
F6D6	F4.5	Ventilation of rooms	Natural or mechanical ventilation to be provided to all areas of the building.	CRA
F6D7	F4.6	Natural ventilation	Suitable qualified mechanical consultant is to confirm the type of ventilation proposed (natural vs mechanical) and in turn confirm compliance with this part.	CRA
F6D8	F4.7	Ventilation borrowed from adjoining room	Suitable qualified mechanical consultant is to confirm the type of ventilation proposed (natural vs mechanical) and in turn confirm compliance with this part.	CRA
F6D9	F4.8	Restriction on location of sanitary compartments	It is noted an airlock is provided.	CRA
F6D10	F4.9	Airlocks	It is noted an airlock is provided.	CRA
F6D11	F4.11	Carparks	The development does not contain a carpark.	N/A
F6D12	F4.12	Kitchen local exhaust ventilation	The building does not contain a commercial kitchen and therefore this clause does not apply.	N/A
<b>Part F7 – Sound transmission and insulation</b>				
The building does not contain any class 2, 3 or 9c parts and therefore this part does not apply.				
<b>Specification 26 – Waterproofing and water-resistance requirements for building elements in wet area [2019: Table F1.7]</b>				
An assessment against this specification is not included in a DA stage report due to the level of documentation provided. Pending further engagement, where applicable, this will be assessed upon receipt of Construction Documentation.				
<b>Specification 27 – Accessible adult change facilities [2019: Spec F2.9]</b>				
The building is not required to be provided with an accessible adult change facility and therefore is not required to be assessed against this specification.				
<b>Specification 28 – Sound insulation for building elements [2019: Spec F5.2]</b>				
The building does not contain any class 2, 3 or 9c parts and therefore this part does not apply.				
The building does not contain any class 2, 3 or 9c parts and therefore this part does not apply.				
The building does not contain any class 2, 3 or 9c parts and therefore this part does not apply.				

**SECTION G – ANCILLARY PROVISIONS**

Clause	[2019]	Description	Comments	Assessment
<b>Part G1 – Minor structures and components</b>				
G1D1	G1.0	DtS Provisions	Information only.	Noted
G1D2	G1.1	Swimming pools	The building does not contain a swimming pool and therefore this clause does not apply.	N/A
G1D3	G1.2	Refrigerated chambers, strong-rooms and vaults	The building does not contain any refrigerated chambers, strong-rooms or and therefore this clause does not apply.	N/A
G1D4	G1.3	Outdoor play spaces	The building does not contain a Class 9b early childhood centre and therefore this clause does not apply.	N/A
NSW G1D5	NSW G1.101	Provision for cleaning windows	The building is a single storey building and therefore this clause does not apply.	N/A
<b>Part G2 – Boilers, pressure vessels, heating appliances, fireplaces, chimneys and flues</b>				
The building does not contain any boilers, pressure vessels, heating appliances, fireplaces, chimney or flues and therefore an assessment against this part has not been undertaken.				
<b>Part G3 – Atrium construction</b>				

Clause	[2019]	Description	Comments	Assessment
			The building does not contain an atrium that connects more than 2 storeys, or more than 3 storeys (if each storey is provided with a sprinkler system and one of those storeys is located at a level with direct egress to a road or open space). Therefore, an assessment against this part has not been undertaken and the remaining clauses have been removed from this report.	
<b>Part G4 – Construction in alpine areas</b>				
			The building is not within an alpine area and therefore an assessment against this part has not been undertaken.	
<b>Part G5 – Construction in bushfire prone areas</b>				
			Building is not Class 2, 3, 9a, 9b early childhood centre, Class 9b primary or secondary school, 9c, 10a building and therefore this part has been removed from this report.	
<b>Part G6 – Occupiable outdoor areas</b>				
			The development does not include occupiable outdoor areas and therefore this part has been removed from this report.	
<b>Part G7 – Livable housing design</b>				
			Part G7 does not apply in NSW and therefore this part has been removed from this report.	
<b>Specification 30 – Installation of boilers and pressure vessels [2019: Spec G2.2]</b>				
			The building does not contain boiler and pressure vessel. Therefore, an assessment against this specification has not been undertaken and the remaining clauses have been removed from this report	
<b>Specification 31 – Fire and smoke control systems in buildings containing atriums [2019: Spec G3.8]</b>				
			The building does not contain an atrium that connects more than 2 storeys, or more than 3 storeys (if each storey is provided with a sprinkler system and one of those storeys is located at a level with direct egress to a road or open space). Therefore, an assessment against this specification has not been undertaken and the remaining clauses have been removed from this report.	
<b>Specification 43 – Bushfire protection for certain Class 9 buildings</b>				
			The building is not Class 9a, 9b early childhood centre, Class 9b primary or secondary school, 9c. Therefore, an assessment against this specification has not been undertaken and the remaining clauses have been removed from this report	

SECTION I – SPECIAL USE BUILDINGS				
Clause	[2019]	Description	Comments	Assessment
<b>Part I1 – Class 9b buildings</b>				
I1D1	H1.1	Application of Part	<p>This Part applies to every enclosed Class 9b building or part of a building which –</p> <p>(a) is a school assembly, church or community hall with a stage and any backstage area with a total floor area of more than 300 m<sup>2</sup>; or</p> <p>(b) otherwise, has a stage and any backstage area with a total floor area of more than 200 m<sup>2</sup>; or</p> <p>(c) has a stage with an associated rigging loft.</p> <p>The building does not contain:</p> <p>(a) is a school assembly, church or community hall with a stage and any backstage area with a total floor area of more than 300 m<sup>2</sup>; or</p> <p>(b) otherwise, has a stage and any backstage area with a total floor area of more than 200 m<sup>2</sup>; or</p> <p>(c) has a stage with an associated rigging loft.</p> <p>I1D4 and I1D7 apply to the building.</p>	Noted
I1D2	H1.2	Separation	Only I1D4 and I1D7 apply to the building.	N/A
I1D3	H1.3	Proscenium wall construction	Only I1D4 and I1D7 apply to the building.	N/A
I1D4	H1.4	Seating area	<p>This Part applies to every open or enclosed Class 9b building.</p> <p>In a seating area—</p> <ul style="list-style-type: none"> <li>• the floor must be stepped so that—</li> <li>• a line joining the nosings of consecutive steps does not exceed an angle of 30° to the horizontal; and</li> <li>• the height of each step in the stepped floor is not more than 600 mm; and</li> <li>• the height of any opening in such a step is not more than 125 mm</li> </ul> <p>Detail in compliance with I1D4 must be provided at CC stage for review.</p>	FI

Clause	[2019]	Description	Comments	Assessment
I1D5	H1.5	Exits from stages	Only I1D4 and I1D7 apply to the building.	N/A
I1D6	H1.6	Access to platforms and lofts	Only I1D4 and I1D7 apply to the building.	N/A
I1D7	H1.7	Aisle lights	This Part applies to every enclosed 9b building.  The building does not contain an auditorium.	Noted
<b>Part I2 – Public transport buildings</b>				
I2D1	H2.1	Application of Part	The Deemed-to-Satisfy Provisions of this Part apply to the passenger use areas of a Class 9b or Class 10 building used for public transport.  Therefore, an assessment against this part has not been undertaken and the remaining clauses have been removed from this report.	Noted
<b>Part I3 – Farm buildings and farm sheds</b>				
I3D1	H3.1	Application of Part	The Deemed-to-Satisfy Provisions of this Part apply to farm buildings and farm sheds.  Therefore, an assessment against this part has not been undertaken and the remaining clauses have been removed from this report.	Noted
<b>NSW Part I4 – Entertainment venues other than temporary structures and drive-in theatres [2019: NSW Part H101]</b>				
I4D1	NSW H101.1	Application of Part	This Part applies to every entertainment venue as described in the Environmental Planning and Assessment Regulation 2021.  Entertainment Venue is defined in the Environmental Planning and Assessment Regulation 2021 as building used as a cinema, theatre or concert hall or an indoor sports stadium. The building will not be used as a cinema, theatre or concert hall or an indoor sports stadium and therefore the building is not an Entertainment Venue.  Therefore, an assessment against this part has not been	Noted



Clause	[2019]	Description	Comments	Assessment
			undertaken and the remaining clauses have been removed from this report.	
<b>NSW Part I5 – Temporary structures</b>				
The building is not a temporary structure.				
Therefore, an assessment against this part has not been undertaken and the remaining clauses have been removed from this report.				
<b>NSW Part I6 – Drive-in theatres</b>				
The building is not drive-in theatre.				
Therefore, an assessment against this part has not been undertaken and the remaining clauses have been removed from this report.				
<b>Specification 32 – Construction of proscenium walls</b>				
The building work does not include construction of proscenium walls.				
Therefore, an assessment against this part has not been undertaken and the remaining clauses have been removed from this report.				

## SECTION J – ENERGY EFFICIENCY

An assessment against Section J has not been undertaken as part of this report.

Where applicable, a suitably qualified consultant is to be engaged to confirm compliance with this part. Credwell Energy is a specialised team and can offer this service.

If you require assistance, please contact Credwell Energy on 02 9281 8555 or [info@credwell.com.au](mailto:info@credwell.com.au) for further information.

## Annexure A – Reviewed Documentation

This report has been based on the documentation listed below:

<b>DRAWING LIST - DA</b>	
DWG	DRAWING NAME
0200	SITE ANALYSIS
0200a	SITE ANALYSIS
0202	SITE PLAN - PROPOSED
0301	FLOOR PLAN - SQUASH BUILDING
0330	ROOF PLAN
0401	ELEVATIONS - SHEET 1
0402	ELEVATIONS - SHEET 2
0501	SECTIONS - SHEET 1
0901	3D PERSPECTIVES - SHEET 1
1001	MATERIALS PALETTE - SHEET 1

## Annexure B – Fire Safety Measures

Given the assessment in this report, the following fire safety measures are required to be installed in the building. This list is subject to change if Performance Solutions are proposed, or other options are taken during the Construction Certificate (CC) and/or construction stages.

	Fire Safety Measure	Standard of Performance
1.	Automatic fail-safe devices (automatic doors)	BCA 2022 Clause D3D24 Manufacturer's Specifications
2.	Automatic fire detection and alarm systems	BCA 2022 Part E2 Clause NSW E2D16 and Specification 20 AS1670.1-2018 (amendment 1)
3.	Emergency lighting	BCA 2022 Clauses E4D2 and E4D4 AS/NZS 2293.1-2018 (amendment 1)
4.	Exit signs	BCA 2022 Clauses E4D5, NSW E4D6 and E4D8 AS/NZS 2293.1-2018 (amendment 1)
5.	Mechanical air handling systems (automatic shutdown)	BCA 2022 Clause NSW E2D16 and Specification 20 AS 1668.1-2015 (amendment 1)
6.	Portable fire extinguishers	BCA 2022 Clause E1D14 AS 2444-2001
7.	Performance Solutions	TBA – Performance Solution to be carried out at the CC stage of the development

## Annexure C – Fire Resistance Levels

The following fire resistance levels (FRLs) are required for the various elements of the building. Where the table below refers to a fire source feature (FSF), this is as defined in the BCA as the far boundary of a road, river, lake or the like adjoining the allotment, or a side or rear boundary of the allotment, or an external wall of another building on the allotment which is not a Class 10 building.

Building Element – Type C Construction	9b
External Walls	
- Less than 1.5m from a FSF	90/90/90
- 1.5 - 3m from a FSF	60/60/60
- 3m or more from a FSF	-/-/-
External Columns (not incorporated into an external wall)	
- Less than 1.5m from a FSF	90/-/-
- 1.5 - 3m from a FSF	60/-/-
- 3m or more from a FSF	-/-/-
Common Walls and Fire Walls	90/90/90
Internal Walls - Fire resisting stair shafts –	60/60/60
Internal Walls – Bounding public corridors, public lobbies and the like	-/-/-
-	
Internal Walls – Between or bounding sole-occupancy units	-/-/-