



**PROPOSED RESIDENTIAL  
DEVELOPMENT**

# **NCC (BCA)REPORT**

**32 Golf Ave  
MONA VALE  
Ref: 24/0009  
Version 1**



# BUILDING CODE OF AUSTRALIA 2022

## Volume 1, Class 2-9 Building Deemed-To-Satisfy Assessment

Project Address:	32 Golf Ave MONA VALE
Job Number:	24/0009
Date of Determination:	19/02/2024
Building Details	
Classification of Building or Part:	Class 2-Residential, Class 7a-Car park
Rise in Storeys:	4
No of Basement Levels:	Nil
Type of Construction:	Type A
Effective Height:	<12m.
Icons	
✓	The building complies with this clause, or can comply
■	The building does not comply with this clause
?	Further documentation required
□	Engineering details and/or design certification required
●	This clause is not applicable to this project
Note	Important
Note	General information

## 1.0 INTRODUCTION

In accordance with Section 6.7 of the Environmental Planning and Assessment Act and against the Deemed-to-Satisfy provisions of the National Construction Code the following assessment report is against the BCA 2022 excluding Section J of the code.

## 1.1 LIMITATIONS

Where non-compliance with deemed to satisfy provisions of NCC occur, which will be expected to be addressed by revising the proposed details to comply with DTS solution or by providing a Performance Solution in accordance with Part A of NCC

No assessment has been undertaken with respect to the *Disability Discrimination Act 1992* (DDA). The building owner should be satisfied that their obligations under the DDA have been addressed. In this instance, we note that an Access Consultant has been appointed to the project to advise further in this regard.

## 1.2 TERMINOLOGY

*National Construction Code* (NCC) - Document published by the Australian Building Codes Board (ABCB) on behalf of the Australian Government including all states and Territories. The NCC is a uniform set of technical provisions for the design and construction of buildings and other structures throughout Australia and is adopted in NSW under the provisions of the Environmental Planning & Assessment Act & Regulation and in QLD under the provisions of Building Act 1975, Planning Act 2016.

*Fire Resistance Level (FRL)* - means the grading periods in minutes for the following criteria -

- (a) structural adequacy; and
- (b) integrity; and
- (c) insulation,

and expressed in that order.

*Fire Source Feature (FSF)* - the far boundary of a road 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.

*Open space* - means a space on the allotment, or a roof or other part of the building suitably protected from fire, open to the sky and connected directly with a public road.

*Performance Requirements of the BCA* - A Building Solution will comply with the BCA if it satisfies the Performance Requirements. A Performance requirement states the level of performance that a Building Solution must meet.

Compliance with the Performance Requirements can only be achieved by-

- (a) complying with the Deemed-to-Satisfy Provisions; or
- (b) formulating an Alternative Solution which-
  - (i) complies with the Performance Requirements; or
  - (ii) is shown to be at least equivalent to the Deemed-to-Satisfy Provisions; or
- (c) a combination of (a) and (b).

*Sole occupancy unit* - means a room or other part of a building for occupation by one or joint owner, lessee, tenant, or other occupier to the exclusion of any other owner, lessee, tenant, or other occupier and includes a dwelling.

## 2.0 EXECUTIVE SUMMARY

This report provides a Building Code of Australia 2022 (BCA) assessment of the above development, to identify any non-compliances with the DTS- Performance Requirements.

The following items may form part of a Performance (Alternative) Solution (red) and Items that require, redesign or additional information (?blue).

Note: All FRL's nominated are a minimum only the body of the report generally contains snips of the detailed area.

NCC/BCA Clause	Description
S7C5	<p>As per AS 4254.1 and AS 4254.2</p> <p>To utilise PVC pipe work for part of the ducted mechanical toilet exhaust fan system that expels foul air from the toilet space, rather than rigid or flexible ductwork that complies with the fire hazard properties. set out in AS4254 Parts 1 and 2 as required by BCA Specification C1.10 (Clause 5) i.e. typically sheet metal.</p> <p>Information as to if PVC is to be used for air handling, if so, then a <b>Performance Solution</b> will be required, prior to a CC being issued</p>

## CLAUSE BY CLAUSE ASSESSMENT NCC-BCA 2022 VOLUME 1


Icon	Clause	Comment
<b>SECTION A</b>	<b>GOVERNING REQUIREMENTS</b>	
<b>PART A1 &amp; PART A2</b>	INTERPRETING THE NCC COMPLIANCE WITH THE NCC	
A1.0	Interpreting the NCC	
A2G1-A2G4	Compliance with NCC	
<b>Part A3</b>	<b>Application of the NCC</b>	
A3G1	State and Territory compliance	NSW section
<b>Part A4</b>	<b>NCC Referenced Documents</b>	
A4G1-AG3	Adoption of referenced documents	For information
<b>Part A5</b>	<b>Documentation of Design</b>	
A5G1-A5G8	Evidence of suitability	For information
<b>Part A6</b>	<b>Building Classification</b>	
A6G1-A6G11	Building classifications	Class 2, & 7a
<b>Part A7</b>	<b>United buildings</b>	
A7G1-A7G2	United buildings	N/A
<b>SECTION B</b>	<b>STRUCTURE</b>	
<b>Part B1</b>	<b>Structural Provisions</b>	
Note	B1D1-B1D5	Resistance to structural actions Engineer's report and plans required
Note	B1D6	Construction in flood areas Not assessed if in a flood area

	<b>SECTION C</b>	<b>FIRE RESISTANCE</b>	
	<b>PART C1</b>	<b>FIRE RESITANCE</b>	
	<b>C1O1, C1F1, C1F2 &amp; C1P1 to C1P9</b>	<b>Objective, functional and performance requirements</b>	

Note	PART C2	FIRE RESISTANCE AND STABILITY	
Note	C2D1 (Previously C1.0)	Application of Part	<p>Where a Deemed-to-Satisfy Solution is proposed, Performance Requirements C1P1 to C1P9 are satisfied by complying with—</p> <ul style="list-style-type: none"> <li>• C2D2 to C2D15, C3D2 to C3D15 and C4D2 to C4D17; and</li> <li>• in a building containing an atrium, Part G3; and</li> <li>• for a building containing an occupiable outdoor area, Part G6; and</li> <li>• for additional requirements for Class 9b buildings, Part I1; and</li> <li>• for farm sheds, Part I3.</li> </ul> <p>Where a Performance Solution is proposed, the relevant Performance Requirements must be determined in accordance with A2G2(3) and A2G4(3) as applicable.</p>
Note	C2D2 (Previously C1.1)	Type of Construction	A
Note	C2D3 (Previously C1.3)	Calculation of Rise in Storeys	4
Note	C2D4 (Previously C1.3)	Buildings of Multiple Classification	2 & 7a
•	C2D5 (Previously C1.4)	Mixed Types of Construction	N/A
•	C2D6 (Previously C1.5)	Two Storey Class 2 or 3 Buildings	N/A
•	C2D7 (Previously C1.6)	Class 4 Parts of Buildings	N/A
•	C2D8 (Previously C1.7)	Open Spectator Stands & Indoor Sports Stadiums	N/A
Note	C2D9 (Previously C1.8)	Lightweight Construction	If the fire-resisting covering of a steel column is lightweight construction, the construction must comply with Volume One C2D9 and C4D17.
?	C2D10 (Previously C1.9)	Non-combustible building Elements	<ul style="list-style-type: none"> <li>• External and common walls</li> <li>• Flooring and the floor framing of lift pits</li> <li>• A shaft being a lift, ventilating, pipe, garbage or similar shaft that is not for the discharge of hot products of combustion that is non-loadbearing must be non-combustible.</li> <li>• A loadbearing internal wall or a loadbearing fire wall including those that are part of loadbearing shaft, must comply with Specification 5</li> </ul> <p>External façade finish details are required, Prior to a CC being issued</p>
Note	C2D11 (Previously C1.10)	Early Fire Hazard Properties	Must comply with Specification 7
Note	C2D12 (Previously C1.11)	Performance of External Walls	Concrete external walls that could collapse as complete panels (e.g. tilt-up and pre-cast concrete), in a building having a rise in storeys of not more than 2, must comply with Specification 8.



Note	C2D13 (Previously C1.13)	Fire-protected timber concession	<p><i>Fire-protected timber may be used wherever an element is required to be non-combustible, provide the building is—</i></p> <ul style="list-style-type: none"> <li>• <i>a separate building; or</i></li> <li>• <i>a part of a building—</i></li> <li>• <i>which only occupies part of a storey, and is separated from the remaining part by a fire wall; or</i></li> <li>• <i>which is located above or below a part not containing fire-protected timber and the floor between the adjoining parts is provided with an FRL not less than that prescribed for a fire wall for the lower storey; and</i></li> <li>• <i>the building has an effective height of not more than 25 m; and</i></li> <li>• <i>the building has a sprinkler system (other than a FPAA101D or FPAA101H system) throughout complying with Specification 17; and</i></li> <li>• <i>any insulation installed in the cavity of the timber building element to have an FRL is non-combustible; and cavity barriers are provided in accordance with Specification 9.</i></li> </ul>
?	C2D14 (Previously C1.14)	Ancillary elements	<p><i>An ancillary element must not be fixed, installed, attached to or supported by the concealed internal parts or external face of an external wall that is required to be non-combustible.</i></p> <p><i>External façade finish details are required, Prior to a BA being issued</i></p>
•	C2D15	Fixing of bonded laminated cladding panels	N/A
	Part C3	COMPARTMENTATION AND SEPARATION	
Note	C3D1 (Previously C2.0)	Deemed-to-Satisfy Provisions.	<p><i>Where a Deemed-to-Satisfy Solution is proposed, Performance Requirements C1P1 to C1P9 are satisfied by complying with—</i></p> <p><i>(a) C2D2 to C2D15, C3D2 to C3D15 and C4D2 to C4D17; and</i></p> <p><i>(b) in a building containing an atrium, Part G3; and</i></p> <p><i>(c) for a building containing an occupiable outdoor area, Part G6; and</i></p> <p><i>(d) for additional requirements for Class 9b buildings, Part I1; and</i></p> <p><i>(e) for farm sheds, Part I3.</i></p> <p><i>Where a Performance Solution is proposed, the relevant Performance Requirements must be determined in accordance with A2G2(3) and A2G4(3) as applicable.</i></p>
Note	C3D2 (Previously C2.1)	Application	<p><i>C3D3, C3D4 and C3D5 do not apply to a carpark provided with a sprinkler system (other than a FPAA101D or FPAA101H system) complying with Specification 17, an open-deck carpark or an open spectator stand.</i></p> <p><i>(2) C3D13(1)(e) does not apply to a Class 8 electricity network substation</i></p>
Note	C3D3 (Previously C2.2)	General Floor Area Limitations	<p><i>N/A for residential</i></p> <p><i>Class 7a is sprinkler protected- not applicable</i></p>
•	C3D4 (Previously C2.3)	Large Isolated Buildings	N/A

•	C3D5 (Previously C2.4)	Requirements for open space	N/A
•	C3D6 (Previously C2.5)	Class 9a Buildings	N/A
Note	C3D7 (Previously C2.6)	Vertical separation of openings in external Walls	<i>Entire building is to be sprinkler protected in accordance with specification E1.5</i>
Note	C3D8 (Previously C2.7)	Separation by fire walls	<i>Ground floor, fire wall required above the basement garage door opening, as level 1 floor extend over the driveway</i>
?	C3D9 (Previously C2.8)	Separation of classifications in the same storey	<p><i>Ground floor, fire wall between basement driveway and ground level unit 1, Fire wall with a FRL not less than 90/90/90 loadbearing or -/90/90 Nonloadbearing, concession S5C9 has been applied.</i></p>  <p><i>A wall schedule is required, detailing FRL's, prior to a CC being issued.</i></p>
?	C3D10 (Previously C2.9)	Separation of classifications in different storeys	<p><b>Type A Construction</b> <i>FRLs required, 7a basement and residential units over,</i></p> <p><i>Refer Table 3- TYPE A CONSTRUCTION: Minimum FRL of building elements.</i> <i>Floor of Basement 2, Nil</i></p> <p><i>Floor of basement 1, 90/60/60, concession S5C9 has been applied.</i></p> <p><i>Floor of ground level, 90/90/90 concession S5C9 has been applied.</i></p> <p><i>Floor of level 1, 90/90/90 with an acoustic rating of Rw+Ctr.50</i></p> <p><b>All FRL's to be noted onto a section or specification prior to the issue of a CC.</b></p>
?	C3D11 (Previously C2.10)	Separation of lift shafts	<p><i>Basement lift shaft walls may have a minimum FRL 90/60/60, concession S5C9 has been applied.</i></p> <p><i>Residential levels to have a minimum wall FRL of 90/90/90 loadbearing.</i></p> <p><b>Provide a wall schedule showing FRL's prior to the issue of a CC.</b></p>
✓	C3D12 (Previously C2.11)	Stairways and lifts in One shaft	<i>Complies</i>
?	C3D13 (Previously C2.12)	Separation of equipment	<p><i>Any emergency equipment to be separated with a minimum FRL of 120/120/120.</i></p> <p><i>Including :</i> <i>A battery system installed in the building with a total voltage of 12 volts or more; or 200 kWh or more. Confirm Basement 2 battery compartment for compliance, details required.</i></p>



			<i>Provide a wall and door schedule with FRL's prior to the issue of a CC.</i>
?	C3D14 (Previously C2.13)	Electricity supply system	<i>Main switch board room is to be enclosed with walls with a minimum FRL of 120/120/120 and self-closing door with FRL of -/120/30 and smoke seals.</i>  <i>Provide a wall and door schedule with FRL's prior to the issue of a CC.</i>
✓	C3D15 (Previously C2.14)	Public corridors in Class 2 & 3 buildings	<i>Complies</i>
	<b>PART C4</b>	<b>PROTECTION OF OPENINGS</b>	
Note	C4D1 (Previously C3.0)	Deemed-to-Satisfy Provisions	<ul style="list-style-type: none"> <li>• Where a Deemed-to-Satisfy Solution is proposed, Performance Requirements C1P1 to C1P9 are satisfied by complying with— C2D2 to C2D15, C3D2 to C3D15 and C4D2 to C4D17; and</li> <li>• in a building containing an atrium, Part G3; and</li> <li>• for a building containing an occupiable outdoor area, Part G6; and</li> <li>• for additional requirements for Class 9b buildings, Part I1; and</li> <li>• for farm sheds, Part I3.</li> </ul> <p>Where a Performance Solution is proposed, the relevant Performance Requirements must be determined in accordance with A2G2(3) and A2G4(3) as applicable.</p>
Note	C4D2 (Previously C3.1)	Application of Part	<i>For information</i>
—	C4D3 (Previously C3.2)	Protection of openings in external walls	<i>N/A, Building is to be sprinkler protected</i>
Note	C4D4 (Previously C3.3)	Separation of openings in different fire compartments	<i>For information</i>
Note	C4D5 (Previously C3.4)	Acceptable methods of protection	<i>For information</i>
Note	C4D6 (Previously C3.5)	Doorways in fire walls	<i>For information</i>
—	C4D7 (Previously C3.6)	Sliding fire doors	<i>N/A</i>
—	C4D8 (Previously C3.7)	Protection of doorways in horizontal exits	<i>N/A</i>
—	C4D9 (Previously C3.8)	Openings in fire isolated exits	<i>N/A</i>
Note	C4D10 (Previously C3.9)	Service penetrations in fire Isolated exits	<i>For information</i>
Note	C4D11 (Previously C3.10)	Openings in fire isolated lift shafts	<i>Must comply with AS1735.11</i>
?	C4D12 (Previously C3.11)	Bounding construction Class 2, 3 and 4 buildings	<i>All doors are to have self-closing fire doors with a minimum FRL of -/60/30.</i>  <i>Provide a door schedule with FRL's prior to the issue of a CC.</i>

Note	C4D13 (Previously C3.12)	Openings in floors for services	For information																																																																		
Note	C4D14 (Previously C3.13)	Openings in shafts	For information																																																																		
Note	C4D15 (Previously C3.15)	Openings for service installations	For information																																																																		
Note	C4D16 (Previously C3.16)	Construction Joints	For information																																																																		
●	C4D17 (Previously C3.17)	Columns protected with lightweight construction to achieve an FRL	N/A																																																																		
	SPEC 5	FIRE RESISTING CONSTRUCTION																																																																			
Note□	S5C1	Scope	This Specification contains requirements for the fire-resisting construction of building elements.																																																																		
Note	S5C2	Exposure to fire source	For information A part of a building element is not exposed to a fire-source feature if the fire-source feature on all boundaries of the allotment concerned are all below the level of the finished ground at every relevant part of the boundary concerned.																																																																		
?	S5C3	Fire protection for a support of another part	All supporting walls must not have a structural FRL not less than the slab FRL above.  A Wall schedule, detailing wall FRL's required, prior to a BA being issued																																																																		
Note	S5C4	Lintels	For information																																																																		
Note	S5C5	Method of attachment not to reduce the fire-resistance of building elements	For information																																																																		
●	S5C6	General concessions	N/A																																																																		
●	S5C7	Mezzanine floors: concession	N/A																																																																		
Note	S5C8	Enclosure of shafts	Any shaft (lift), must be enclosed top and bottom, with the same FRL as the walls																																																																		
Note	S5C9	Car parks in Class 2 and 3 buildings	This concession has been applied to this report, the car park level can be classified as ancillary as class 2 relating to required FRL's																																																																		
●	S5C10	Residential care building: concession	N/A																																																																		
	S5C11	Type A Construction																																																																			
		Fire resistance of building elements	<div>Table S5C11a: Type A construction: FRL of loadbearing parts of external walls</div> <table><tr><th>Distance from a fire-source feature</th><th>FRL (in minutes): Structural adequacy/ Integrity / Insulation</th><th>Class 2, 3 or 4 part</th><th>Class 5, 7a or 9</th><th>Class 6</th><th>Class 7b or 8</th></tr><tr><td>Less than 1.5 m</td><td>90/90/90</td><td>120/120/120</td><td>180/180/180</td><td>240/240/240</td><td>240/240/240</td></tr><tr><td>1.5 to less than 3 m</td><td>90/60/60</td><td>120/90/90</td><td>180/180/120</td><td>240/240/180</td><td>240/240/180</td></tr><tr><td>3 m or more</td><td>90/60/30</td><td>120/60/30</td><td>180/120/90</td><td>240/180/90</td><td>240/180/90</td></tr></table> <div>Table S5C11b: Type A construction: FRL of non-loadbearing parts of external walls</div> <table><tr><th>Distance from a fire-source feature</th><th>FRL (in minutes): Structural adequacy / Integrity / Insulation</th><th>Class 2, 3 or 4 part</th><th>Class 5, 7a or 9</th><th>Class 6</th><th>Class 7b or 8</th></tr><tr><td>Less than 1.5 m</td><td>~90/90</td><td>~120/120</td><td>~180/180</td><td>~240/240</td><td>~240/240</td></tr><tr><td>1.5 to less than 3 m</td><td>~60/60</td><td>~90/90</td><td>~180/120</td><td>~240/180</td><td>~240/180</td></tr><tr><td>3 m or more</td><td>~60/30</td><td>~90/30</td><td>~180/90</td><td>~240/180</td><td>~240/180</td></tr></table> <div>Table S5C11c: Type A construction: FRL of external columns not incorporated in an external wall</div> <table><tr><th>Column type</th><th>FRL (in minutes): Structural adequacy / Integrity / Insulation</th><th>Class 2, 3 or 4 part</th><th>Class 5, 7a or 9</th><th>Class 6</th><th>Class 7b or 8</th></tr><tr><td>Loadbearing</td><td>90/90/90</td><td>120/90/90</td><td>180/180/180</td><td>240/240/240</td><td>240/240/240</td></tr><tr><td>Non-loadbearing</td><td>~90/90</td><td>~120/90</td><td>~180/180</td><td>~240/240</td><td>~240/240</td></tr></table>	Distance from a fire-source feature	FRL (in minutes): Structural adequacy/ Integrity / Insulation	Class 2, 3 or 4 part	Class 5, 7a or 9	Class 6	Class 7b or 8	Less than 1.5 m	90/90/90	120/120/120	180/180/180	240/240/240	240/240/240	1.5 to less than 3 m	90/60/60	120/90/90	180/180/120	240/240/180	240/240/180	3 m or more	90/60/30	120/60/30	180/120/90	240/180/90	240/180/90	Distance from a fire-source feature	FRL (in minutes): Structural adequacy / Integrity / Insulation	Class 2, 3 or 4 part	Class 5, 7a or 9	Class 6	Class 7b or 8	Less than 1.5 m	~90/90	~120/120	~180/180	~240/240	~240/240	1.5 to less than 3 m	~60/60	~90/90	~180/120	~240/180	~240/180	3 m or more	~60/30	~90/30	~180/90	~240/180	~240/180	Column type	FRL (in minutes): Structural adequacy / Integrity / Insulation	Class 2, 3 or 4 part	Class 5, 7a or 9	Class 6	Class 7b or 8	Loadbearing	90/90/90	120/90/90	180/180/180	240/240/240	240/240/240	Non-loadbearing	~90/90	~120/90	~180/180	~240/240	~240/240
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Loadbearing	90/90/90	120/90/90	180/180/180	240/240/240	240/240/240																																																																
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			<div>Table S5C11d: Type A construction: FRL of common walls and fire walls</div> <table><tr><th>Wall type</th><th>FRL (in minutes): Insulation</th><th>Structural adequacy / Integrity / Insulation</th><th>Class 2, 3 or 4 part</th><th>Class 5, 7a or 8</th><th>Class 6</th><th>Class 7b or 8</th></tr><tr><td>Loadbearing or non-loadbearing</td><td>90/90/90</td><td>120/120/120</td><td>180/180/180</td><td>240/240/240</td><td></td><td></td></tr></table> <div>Table S5C11e: Type A construction: FRL of loadbearing internal walls</div> <table><tr><th>Location</th><th>FRL (in minutes): Insulation</th><th>Structural adequacy / Integrity / Insulation</th><th>Class 2, 3 or 4 part</th><th>Class 5, 7a or 8</th><th>Class 6</th><th>Class 7b or 8</th></tr><tr><td>Fire-resisting lift and stair shafts</td><td>90/90/90</td><td>120/120/120</td><td>180/120/120</td><td>240/120/120</td><td></td><td></td></tr><tr><td>Bounding public corridors, public lobbies and the like</td><td>90/90/90</td><td>120/—/—</td><td>180/—/—</td><td>240/—/—</td><td></td><td></td></tr><tr><td>Between or bounding sole-occupancy units</td><td>90/90/90</td><td>120/—/—</td><td>180/—/—</td><td>240/—/—</td><td></td><td></td></tr><tr><td>Ventilating, pipe, garbage, and like shafts not used for the discharge of hot products of combustion</td><td>90/90/90</td><td>120/90/90</td><td>180/120/120</td><td>240/120/120</td><td></td><td></td></tr></table> <div>Table S5C11f: Type A construction: FRL of non-loadbearing internal walls</div> <table><tr><th>Location</th><th>FRL (in minutes): Insulation</th><th>Structural adequacy / Integrity / Insulation</th><th>Class 2, 3 or 4 part</th><th>Class 5, 7a or 8</th><th>Class 6</th><th>Class 7b or 8</th></tr><tr><td>Fire-resisting lift and stair shafts</td><td>—/90/90</td><td>—/120/120</td><td>—/120/120</td><td>—/120/120</td><td></td><td></td></tr><tr><td>Bounding public corridors, public lobbies and the like</td><td>—/60/60</td><td>—/—/—</td><td>—/—/—</td><td>—/—/—</td><td></td><td></td></tr><tr><td>Between or bounding sole-occupancy units</td><td>—/60/60</td><td>—/—/—</td><td>—/—/—</td><td>—/—/—</td><td></td><td></td></tr><tr><td>Ventilating, pipe, garbage, and like shafts not used for the discharge of hot products of combustion</td><td>—/90/90</td><td>—/90/90</td><td>—/120/120</td><td>—/120/120</td><td></td><td></td></tr></table> <div>Table S5C11g: Type A construction: FRL of other building elements not covered by Tables S5C11a to S5C11f</div> <table><tr><th>Building element</th><th>FRL (in minutes): Insulation</th><th>Structural adequacy / Integrity / Insulation</th><th>Class 2, 3 or 4 part</th><th>Class 5, 7a or 8</th><th>Class 6</th><th>Class 7b or 8</th></tr><tr><td>Other loadbearing internal walls, internal beams, trusses and columns</td><td>90/—/—</td><td>120/—/—</td><td>180/—/—</td><td>240/—/—</td><td></td><td></td></tr><tr><td>Floors</td><td>90/90/90</td><td>120/120/120</td><td>180/180/180</td><td>240/240/240</td><td></td><td></td></tr><tr><td>Roofs</td><td>90/60/30</td><td>120/60/30</td><td>180/60/30</td><td>240/90/60</td><td></td><td></td></tr></table> <div>Wall and floor schedules to be provided prior to the issue of a CC.</div>	Wall type	FRL (in minutes): Insulation	Structural adequacy / Integrity / Insulation	Class 2, 3 or 4 part	Class 5, 7a or 8	Class 6	Class 7b or 8	Loadbearing or non-loadbearing	90/90/90	120/120/120	180/180/180	240/240/240			Location	FRL (in minutes): Insulation	Structural adequacy / Integrity / Insulation	Class 2, 3 or 4 part	Class 5, 7a or 8	Class 6	Class 7b or 8	Fire-resisting lift and stair shafts	90/90/90	120/120/120	180/120/120	240/120/120			Bounding public corridors, public lobbies and the like	90/90/90	120/—/—	180/—/—	240/—/—			Between or bounding sole-occupancy units	90/90/90	120/—/—	180/—/—	240/—/—			Ventilating, pipe, garbage, and like shafts not used for the discharge of hot products of combustion	90/90/90	120/90/90	180/120/120	240/120/120			Location	FRL (in minutes): Insulation	Structural adequacy / Integrity / Insulation	Class 2, 3 or 4 part	Class 5, 7a or 8	Class 6	Class 7b or 8	Fire-resisting lift and stair shafts	—/90/90	—/120/120	—/120/120	—/120/120			Bounding public corridors, public lobbies and the like	—/60/60	—/—/—	—/—/—	—/—/—			Between or bounding sole-occupancy units	—/60/60	—/—/—	—/—/—	—/—/—			Ventilating, pipe, garbage, and like shafts not used for the discharge of hot products of combustion	—/90/90	—/90/90	—/120/120	—/120/120			Building element	FRL (in minutes): Insulation	Structural adequacy / Integrity / Insulation	Class 2, 3 or 4 part	Class 5, 7a or 8	Class 6	Class 7b or 8	Other loadbearing internal walls, internal beams, trusses and columns	90/—/—	120/—/—	180/—/—	240/—/—			Floors	90/90/90	120/120/120	180/180/180	240/240/240			Roofs	90/60/30	120/60/30	180/60/30	240/90/60		
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Note	S5C12	Concession for floors	For information																																																																																																																
●	S5C13	Concession Floor loading of Class 5 and 9b buildings	N/A																																																																																																																
Note	S5C14	Concession for roof superimposed on concrete slab	For information																																																																																																																
Note	S5C15	Roof concession	<div>This concession can be applied.</div> <div>A roof need not comply with Table 3 if its covering is non-combustible, and the building has a sprinkler system complying with Specification E1.5 installed throughout <u>or</u> is of Class 2</div>																																																																																																																
✓	S5C16	Roof lights	Complies																																																																																																																
Note	S5C17	Internal walls and columns concession	For information																																																																																																																
●	S5C18	Concession for open spectator stands and indoor sports stadiums	N/A																																																																																																																
Note	S5C19	Car parks	For information																																																																																																																
●	S5C20	Class 2 and 3 buildings concession	N/A																																																																																																																
	S5C21	Type B Construction																																																																																																																	
●	S5C22	Car parks	N/A																																																																																																																
●	S5C23	Class 2 and 3 building concession	N/A																																																																																																																
	S5C24	Type C Construction																																																																																																																	
●	S5C25	Car parks	N/A																																																																																																																

	SPEC 6	STRUCTURAL TESTS FOR LIGHTWEIGHT CONSTRUCTION																									
Note	S6C1	Scope	<i>This Specification describes tests to be applied to and criteria to be satisfied by a wall system of lightweight construction.</i>																								
Note	S6C2	Application	<i>A wall system need not be tested in accordance with this Specification for static pressure or impact if it is designed and constructed in accordance with the Deemed-to-Satisfy Provisions of Part B1 to resist the appropriate pressures and impacts defined in this Specification.</i>																								
●	S6C3	Walls of certain Class 9b buildings	N/A																								
Note	S6C4	Walls of shafts and fire isolated exits	<i>For information</i>																								
Note	S6C5	Additional requirements for lift shafts	<i>For information</i>																								
Note	S6C6	Walls generally	<i>For information</i>																								
Note	S6C7	General requirements for testing	<i>For information</i>																								
Note	S6C8	Testing in-situ	<i>For information</i>																								
Note	S6C9	Testing of specimens	<i>For information</i>																								
Note	S6C10	Test Methods	<i>For information</i>																								
Note	S6C11	Criteria for testing	<i>For information</i>																								
	SPEC 7	FIRE HAZARD PROPERTIES																									
Note	S7C1	Scope	<i>This Specification sets out requirements in relation to the fire hazard properties of linings, materials and assemblies in Class 2 to 9 buildings as set out in Table S7C2.</i>																								
Note	S7C2	Application: Class 2 to 9 buildings General requirements	<table><tr><th colspan="2">Table S7C2: Fire hazard property requirements</th></tr><tr><th>Lining, material or assembly</th><th>Requirement</th></tr><tr><td>Floor linings and floor coverings</td><td>S7C3</td></tr><tr><td>Wall linings and ceiling linings</td><td>S7C4</td></tr><tr><td>Air-handling ductwork</td><td>S7C5</td></tr><tr><td>Lift cars</td><td>S7C6</td></tr><tr><td>In fire control rooms subject to Specification 6 and fire isolated exits</td><td>S7C7</td></tr><tr><td>In Class 9b buildings used as a theatre, public hall or the like — fixed seating in the audience area or auditorium; and a proscenium curtain required by Specification 32</td><td>S7C7</td></tr><tr><td>Escalators, moving walkways and non-required non-fire-isolated stairways or pedestrian ramps subject to Specification 14</td><td>S7C7</td></tr><tr><td>Smoking-type material</td><td>S7C7</td></tr><tr><td>Attachments to internal floors, walls and ceilings</td><td>S7C7</td></tr><tr><td>Other materials including insulation</td><td>S7C7</td></tr></table>	Table S7C2: Fire hazard property requirements		Lining, material or assembly	Requirement	Floor linings and floor coverings	S7C3	Wall linings and ceiling linings	S7C4	Air-handling ductwork	S7C5	Lift cars	S7C6	In fire control rooms subject to Specification 6 and fire isolated exits	S7C7	In Class 9b buildings used as a theatre, public hall or the like — fixed seating in the audience area or auditorium; and a proscenium curtain required by Specification 32	S7C7	Escalators, moving walkways and non-required non-fire-isolated stairways or pedestrian ramps subject to Specification 14	S7C7	Smoking-type material	S7C7	Attachments to internal floors, walls and ceilings	S7C7	Other materials including insulation	S7C7
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Note	S7C3	Floor linings & floor coverings	<i>A floor lining or floor covering must have— (a) a critical radiant flux not less than that listed in Table S7C3; and a group number complying with S7C6(b), for any portion of the floor covering that is continued more than 150mm up the wall</i>																								

			<table><tr><th colspan="4">Table S7C3: Critical radiant flux (CRF in kW/m²) of floor linings and floor coverings</th></tr><tr><th>Class of building</th><th>Building not fitted with a sprinkler system (other than a FPA101D or FPA101H system) complying with Specification 17</th><th>Building fitted with a sprinkler system (other than a FPA101D or FPA101H system) complying with Specification 17</th><th>Fire-isolated exits and fire control rooms</th></tr><tr><td>Class 2, 3, 5, 6, 7, 8 or 9b, excluding Class 3 accommodation for the aged and Class 9b as specified below</td><td>2.2 kW/m²</td><td>1.2 kW/m²</td><td>2.2 kW/m²</td></tr><tr><td>Class 3 accommodation for the aged</td><td>4.5 kW/m²</td><td>2.2 kW/m²</td><td>4.5 kW/m²</td></tr><tr><td>Class 9a patient care areas</td><td>4.5 kW/m²</td><td>2.2 kW/m²</td><td>4.5 kW/m²</td></tr><tr><td>Class 9a areas other than patient care areas</td><td>2.2 kW/m²</td><td>1.2 kW/m²</td><td>4.5 kW/m²</td></tr><tr><td>Class 9b auditorium or audience seating area used mainly for indoor swimming or ice skating</td><td>1.2 kW/m²</td><td>1.2 kW/m²</td><td>2.2 kW/m²</td></tr><tr><td>Class 9b auditorium or audience seating area used mainly for other sports or multi-purpose functions</td><td>2.2 kW/m²</td><td>1.2 kW/m²</td><td>2.2 kW/m²</td></tr><tr><td>Class 9c resident use areas</td><td>N/A</td><td>2.2 kW/m²</td><td>4.5 kW/m²</td></tr><tr><td>Class 9c areas other than resident use areas</td><td>N/A</td><td>1.2 kW/m²</td><td>4.5 kW/m²</td></tr></table>	Table S7C3: Critical radiant flux (CRF in kW/m²) of floor linings and floor coverings				Class of building	Building not fitted with a sprinkler system (other than a FPA101D or FPA101H system) complying with Specification 17	Building fitted with a sprinkler system (other than a FPA101D or FPA101H system) complying with Specification 17	Fire-isolated exits and fire control rooms	Class 2, 3, 5, 6, 7, 8 or 9b, excluding Class 3 accommodation for the aged and Class 9b as specified below	2.2 kW/m²	1.2 kW/m²	2.2 kW/m²	Class 3 accommodation for the aged	4.5 kW/m²	2.2 kW/m²	4.5 kW/m²	Class 9a patient care areas	4.5 kW/m²	2.2 kW/m²	4.5 kW/m²	Class 9a areas other than patient care areas	2.2 kW/m²	1.2 kW/m²	4.5 kW/m²	Class 9b auditorium or audience seating area used mainly for indoor swimming or ice skating	1.2 kW/m²	1.2 kW/m²	2.2 kW/m²	Class 9b auditorium or audience seating area used mainly for other sports or multi-purpose functions	2.2 kW/m²	1.2 kW/m²	2.2 kW/m²	Class 9c resident use areas	N/A	2.2 kW/m²	4.5 kW/m²	Class 9c areas other than resident use areas	N/A	1.2 kW/m²	4.5 kW/m²																																																													
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<div>?</div>	S7C4	Wall & ceiling linings	<p><b>A wall or ceiling lining system must comply with the group number specified in Table S7C4 complying with Specification 17 have—</b> <b>a smoke growth rate index not more than 100;</b> <b>or</b> <b>an average specific extinction area less than 250 m2/kg.</b></p> <p><b>A group number of a wall or ceiling lining and the smoke growth rate index or average specific extinction area must be determined in accordance with AS 5637.1</b></p> <table><tr><th colspan="5">Table S7C4: Wall and ceiling lining materials (material groups permitted)</th></tr><tr><th>Class of building</th><th>Fire-isolated exits and fire control rooms</th><th>Public corridors</th><th>Specific areas</th><th>Other areas</th></tr><tr><td rowspan="2">Class 2 or 3, unsprinklered, excluding accommodation for the aged, people with disabilities and children</td><td>Walls: 1</td><td>Walls: 1, 2</td><td>Walls: 1, 2, 3</td><td>Walls: 1, 2, 3</td></tr><tr><td>Ceilings: 1</td><td>Ceilings: 1, 2</td><td>Ceilings: 1, 2, 3</td><td>Ceilings: 1, 2, 3</td></tr><tr><td rowspan="2">Class 2 or 3, sprinklered, excluding accommodation for the aged, people with disabilities and children</td><td>Walls: 1</td><td>Walls: 1, 2, 3</td><td>Walls: 1, 2, 3</td><td>Walls: 1, 2, 3</td></tr><tr><td>Ceilings: 1</td><td>Ceilings: 1, 2, 3</td><td>Ceilings: 1, 2, 3</td><td>Ceilings: 1, 2, 3</td></tr></table> <table><tr><th>Class of building</th><th>Fire-isolated exits and fire control rooms</th><th>Public corridors</th><th>Specific areas</th><th>Other areas</th></tr><tr><td>disabilities and children</td><td></td><td></td><td></td><td></td></tr><tr><td rowspan="2">Class 3 or 9a, unsprinklered, accommodation for the aged, people with a disability, children and health-care buildings</td><td>Walls: 1</td><td>Walls: 1</td><td>Walls: 1, 2</td><td>Walls: 1, 2, 3</td></tr><tr><td>Ceilings: 1</td><td>Ceilings: 1</td><td>Ceilings: 1, 2</td><td>Ceilings: 1, 2, 3</td></tr><tr><td rowspan="2">Class 3 or 9a, sprinklered, accommodation for the aged, people with a disability, children and health-care buildings</td><td>Walls: 1</td><td>Walls: 1, 2</td><td>Walls: 1, 2, 3</td><td>Walls: 1, 2, 3</td></tr><tr><td>Ceilings: 1</td><td>Ceilings: 1, 2</td><td>Ceilings: 1, 2, 3</td><td>Ceilings: 1, 2, 3</td></tr><tr><td rowspan="2">Class 5, 6, 7, 8 or 9b schools, unsprinklered</td><td>Walls: 1</td><td>Walls: 1, 2</td><td>Walls: 1, 2, 3</td><td>Walls: 1, 2, 3</td></tr><tr><td>Ceilings: 1</td><td>Ceilings: 1, 2</td><td>Ceilings: 1, 2</td><td>Ceilings: 1, 2, 3</td></tr><tr><td rowspan="2">Class 5, 6, 7, 8 or 9b schools, sprinklered</td><td>Walls: 1</td><td>Walls: 1, 2, 3</td><td>Walls: 1, 2, 3</td><td>Walls: 1, 2, 3</td></tr><tr><td>Ceilings: 1</td><td>Ceilings: 1, 2, 3</td><td>Ceilings: 1, 2, 3</td><td>Ceilings: 1, 2, 3</td></tr><tr><td rowspan="2">Class 9b other than schools, unsprinklered</td><td>Walls: 1</td><td>Walls: 1</td><td>Walls: 1, 2</td><td>Walls: 1, 2, 3</td></tr><tr><td>Ceilings: 1</td><td>Ceilings: 1</td><td>Ceilings: 1, 2</td><td>Ceilings: 1, 2, 3</td></tr><tr><td rowspan="2">Class 9b other than schools, sprinklered</td><td>Walls: 1</td><td>Walls: 1, 2</td><td>Walls: 1, 2, 3</td><td>Walls: 1, 2, 3</td></tr><tr><td>Ceilings: 1</td><td>Ceilings: 1, 2</td><td>Ceilings: 1, 2, 3</td><td>Ceilings: 1, 2, 3</td></tr><tr><td rowspan="2">Class 9c, sprinklered</td><td>Walls: 1</td><td>Walls: 1, 2</td><td>Walls: 1, 2, 3</td><td>Walls: 1, 2, 3</td></tr><tr><td>Ceilings: 1</td><td>Ceilings: 1, 2</td><td>Ceilings: 1, 2, 3</td><td>Ceilings: 1, 2, 3</td></tr></table>	Table S7C4: Wall and ceiling lining materials (material groups permitted)					Class of building	Fire-isolated exits and fire control rooms	Public corridors	Specific areas	Other areas	Class 2 or 3, unsprinklered, excluding accommodation for the aged, people with disabilities and children	Walls: 1	Walls: 1, 2	Walls: 1, 2, 3	Walls: 1, 2, 3	Ceilings: 1	Ceilings: 1, 2	Ceilings: 1, 2, 3	Ceilings: 1, 2, 3	Class 2 or 3, sprinklered, excluding accommodation for the aged, people with disabilities and children	Walls: 1	Walls: 1, 2, 3	Walls: 1, 2, 3	Walls: 1, 2, 3	Ceilings: 1	Ceilings: 1, 2, 3	Ceilings: 1, 2, 3	Ceilings: 1, 2, 3	Class of building	Fire-isolated exits and fire control rooms	Public corridors	Specific areas	Other areas	disabilities and children					Class 3 or 9a, unsprinklered, accommodation for the aged, people with a disability, children and health-care buildings	Walls: 1	Walls: 1	Walls: 1, 2	Walls: 1, 2, 3	Ceilings: 1	Ceilings: 1	Ceilings: 1, 2	Ceilings: 1, 2, 3	Class 3 or 9a, sprinklered, accommodation for the aged, people with a disability, children and health-care buildings	Walls: 1	Walls: 1, 2	Walls: 1, 2, 3	Walls: 1, 2, 3	Ceilings: 1	Ceilings: 1, 2	Ceilings: 1, 2, 3	Ceilings: 1, 2, 3	Class 5, 6, 7, 8 or 9b schools, unsprinklered	Walls: 1	Walls: 1, 2	Walls: 1, 2, 3	Walls: 1, 2, 3	Ceilings: 1	Ceilings: 1, 2	Ceilings: 1, 2	Ceilings: 1, 2, 3	Class 5, 6, 7, 8 or 9b schools, sprinklered	Walls: 1	Walls: 1, 2, 3	Walls: 1, 2, 3	Walls: 1, 2, 3	Ceilings: 1	Ceilings: 1, 2, 3	Ceilings: 1, 2, 3	Ceilings: 1, 2, 3	Class 9b other than schools, unsprinklered	Walls: 1	Walls: 1	Walls: 1, 2	Walls: 1, 2, 3	Ceilings: 1	Ceilings: 1	Ceilings: 1, 2	Ceilings: 1, 2, 3	Class 9b other than schools, sprinklered	Walls: 1	Walls: 1, 2	Walls: 1, 2, 3	Walls: 1, 2, 3	Ceilings: 1	Ceilings: 1, 2	Ceilings: 1, 2, 3	Ceilings: 1, 2, 3	Class 9c, sprinklered	Walls: 1	Walls: 1, 2	Walls: 1, 2, 3	Walls: 1, 2, 3	Ceilings: 1	Ceilings: 1, 2	Ceilings: 1, 2, 3	Ceilings: 1, 2, 3
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<div>?</div>	S7C5	Air-handling ductwork	<p><b>Rigid and flexible ductwork in a Class 2 to 9 building must comply with the fire hazard properties set out in AS 4254.1 and AS 4254.2.</b></p> <p><i>As per AS 4254.1 and AS 4254.2</i></p> <p><i>To utilise PVC pipe work for part of the ducted mechanical toilet exhaust fan system that expels foul air from the toilet space, rather than rigid or flexible ductwork that complies with the fire hazard properties, set out in AS4254 Parts 1 and 2 as required by BCA Specification C1.10 (Clause 5) i.e. typically sheet metal.</i></p> <p><b>Information as to if PVC is to be used for air handling, if so, then a <b>Performance Solution</b> will be required, prior to a CC being issued</b></p>																																																																																																					
Note	S7C6	Lift cars	<p><b>Materials used as—</b></p> <ul style="list-style-type: none"><li><b>floor linings and floor coverings must have a critical radiant flux not less than 2.2; and</b></li></ul> <p><b>wall and ceiling linings must be a Group 1 material or a Group 2 material in accordance with AS 5637.1</b></p>																																																																																																					

Note	S7C7	Other materials	<p>Materials and assemblies not included in S7C3, S7C4, S7C5 or S7C6 must not exceed the indices set out in Table S7C7.</p> <table><tr><th colspan="4">Table S7C7: Other materials</th></tr><tr><th>Material or assembly location</th><th>Flammability Index</th><th>Spread-of-Flame Index</th><th>Smoke-Developed Index</th></tr><tr><td>Fire control rooms subject to Specification 19 and fire-isolated exits, other than a sarking-type material used in a ceiling or used as an attachment or part of an attachment to a building element. <sup>News 1</sup></td><td>N/A</td><td>0</td><td>2</td></tr><tr><td>Class 9b buildings used as a theatre, public hall or the like: Any part of fixed seating in the audience area or auditorium.</td><td>N/A</td><td>0</td><td>5</td></tr><tr><td>Class 9b buildings used as a theatre, public hall or the like: A proscenium curtain required by Specification 32.</td><td>N/A</td><td>0</td><td>3</td></tr><tr><td>Escalators, moving walkways or non-required non fire-isolated stairway or pedestrian ramps subject to Specification 14.</td><td>N/A</td><td>0</td><td>5</td></tr><tr><td>Sarking-type materials: In a fire control room subject to Specification 19 or a fire-isolated exit or fire control room used in the form of an exposed wall or ceiling.</td><td>0</td><td>N/A</td><td>N/A</td></tr><tr><td>Sarking-type materials: In other locations. <sup>News 2</sup></td><td>5</td><td>N/A</td><td>N/A</td></tr><tr><td>Other materials or locations and insulation materials other than sarking-type material. <sup>News 2 and 3</sup></td><td>N/A</td><td>9</td><td>8 if the Spread-of-Flame Index is more than 5</td></tr></table>	Table S7C7: Other materials				Material or assembly location	Flammability Index	Spread-of-Flame Index	Smoke-Developed Index	Fire control rooms subject to Specification 19 and fire-isolated exits, other than a sarking-type material used in a ceiling or used as an attachment or part of an attachment to a building element. <sup>News 1</sup>	N/A	0	2	Class 9b buildings used as a theatre, public hall or the like: Any part of fixed seating in the audience area or auditorium.	N/A	0	5	Class 9b buildings used as a theatre, public hall or the like: A proscenium curtain required by Specification 32.	N/A	0	3	Escalators, moving walkways or non-required non fire-isolated stairway or pedestrian ramps subject to Specification 14.	N/A	0	5	Sarking-type materials: In a fire control room subject to Specification 19 or a fire-isolated exit or fire control room used in the form of an exposed wall or ceiling.	0	N/A	N/A	Sarking-type materials: In other locations. <sup>News 2</sup>	5	N/A	N/A	Other materials or locations and insulation materials other than sarking-type material. <sup>News 2 and 3</sup>	N/A	9	8 if the Spread-of-Flame Index is more than 5
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	SPEC 8	PERFORMANCE OF EXTERNAL WALLS IN FIRE																																					
Note	S8C1	Scope	<p><i>This Specification contains measures to minimise, in the event of fire, the likelihood of external walls covered by S8C2 collapsing outwards as complete panels and the likelihood of panels separating from supporting members.</i></p>																																				
Note	S8C2	Application	<p><i>This Specification applies to buildings having a rise in storeys of not more than 2 with concrete external walls that could collapse as complete panels (e.g. tilt-up and precast concrete) which—</i></p> <p><i>(a) consist of either single or multiple panels attached by steel connections to lateral supporting members; and</i></p> <p><i>(b) depend on those connections to resist outward movement of the panels relative to the supporting members; and</i></p> <p><i>have height to thickness ratio not greater than 50.</i></p>																																				
Note	S8C3	General requirements for external wall panels	<p><i>For information</i></p>																																				
Note	S8C4	Additional requirements for vertically spanning external wall panels adjacent to columns	<p><i>For information</i></p>																																				
	SPEC 9	CAVITY BARRIERS FOR FIRE PROTECTED TIMBER																																					
Note	S9C1	Scope	<p><i>For information</i></p>																																				
Note	S9C2	Requirements	<table><tr><th colspan="3">Table S9C2: Cavity barrier requirements</th></tr><tr><th>System required FRL</th><th>~60/60 or ~90/90</th><th>~120/120, ~180/180 or ~240/240</th></tr><tr><td>Cavity barrier required FRL</td><td>~45/45</td><td>~60/60</td></tr><tr><td>Timber, required minimum thickness</td><td>45 mm</td><td>60 mm</td></tr></table> <p style="text-align: right;">S9C2</p> <table><tr><th colspan="3">Fire resistance</th></tr><tr><th>System required FRL</th><th>~60/60 or ~90/90</th><th>~120/120, ~180/180 or ~240/240</th></tr><tr><td>Mineral wool, required minimum thickness</td><td>45 mm</td><td>60 mm</td></tr></table> <p>Table Notes</p> <p>Minimum thicknesses are to be measured in the direction of heat flow.</p>	Table S9C2: Cavity barrier requirements			System required FRL	~60/60 or ~90/90	~120/120, ~180/180 or ~240/240	Cavity barrier required FRL	~45/45	~60/60	Timber, required minimum thickness	45 mm	60 mm	Fire resistance			System required FRL	~60/60 or ~90/90	~120/120, ~180/180 or ~240/240	Mineral wool, required minimum thickness	45 mm	60 mm															
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	SPEC 10	FIRE PROTECTED TIMBER																																					
Note	S10C1	Scope	<p><i>This Specification sets out requirements for cavity barriers in fire-protected timber construction.</i></p>																																				



Note	S10C2	General requirements	<i>For information</i>
Note	S10C3	Massive timber	<i>For information</i>
Note	S10C4	Form of test	<i>For information</i>
Note	S10C5	Smaller specimen permitted	<i>For information</i>
Note	S10C6	Acceptance criteria	<i>For information</i>
	<b>SPEC 11</b>	<b>SMOKE PROOF WALLS IN HEALTH CARE AND RESIDENTIAL CARE BUILDINGS</b>	
•	S11C1	Scope	<i>This Specification sets out requirements for the construction of smoke-proof walls in Class 9a health-care buildings and Class 9c buildings. Smoke proof walls required to have an FRL are to be in accordance with A5G5.</i>
•	S11C2	Class 9a health care buildings	<i>N/A</i>
•	S11C3	Class 9c buildings	<i>N/A</i>
•	S11C4	Doorways in smoke proof walls	<i>N/A</i>
	<b>SPEC 12</b>	<b>FIRE DOORS, SMOKE DOORS, FIRE WINDOWS AND SHUTTERS</b>	
Note	S12C1	Scope	<i>This Specification sets out requirements for the construction of fire doors, smoke doors, fire windows and fire shutters.</i>
Note	S12C2	Fire Doors	<i>A required fire door must—</i> <ul style="list-style-type: none"> <li><i>comply with AS 1905.1; and</i></li> <li><i>not fail by radiation through any glazed part during the period specified for integrity in the required FRL.</i></li> </ul>
•	S12C3	General requirements for smoke doors	<i>N/A</i>
•	S12C4	Construction DtS for smoke doors	<i>N/A</i>
•	S12C5	Fire shutters	<i>N/A</i>
•	S12C6	Fire windows	<i>N/A</i>
	<b>SPEC 13</b>	<b>PENETRATIONS OF WALLS, FLOORS AND CEILINGS BY SERVICES</b>	
Note	S13C1	Scope	<i>This Specification prescribes materials and methods of installation for services that penetrate walls, floors and ceilings required to have an FRL.</i>
Note	S13C2	Application	<ul style="list-style-type: none"> <li><i>This Specification applies to installations permitted under the Deemed-to-Satisfy Provisions of the NCC as alternatives to systems that have been demonstrated by test to fulfil the requirements of C4D15(2)(a).</i></li> <li><i>This Specification does not apply to installations in ceilings required to</i></li> </ul>

			<i>have a resistance to the incipient spread of fire nor to the installation of piping that contains or is intended to contain a flammable liquid or gas.</i>
Note	S13C3	Metal pipe systems	<i>For information</i>
Note	S13C4	Pipes penetrating sanitary compartments	<i>For information</i>
Note	S13C5	Wires and cables	<i>For information</i>
Note	S13C6	Electrical switches and outlets	<i>For information</i>
Note	S13C7	Fire stopping	<i>For information</i>
	<b>SECTION D</b>	<b>ACCESS AND EGRESS</b>	
	<b>PART D1</b>	<b>ACCESS AND EGRESS</b>	Performance and Verification Methods
	<b>PART D2</b>	<b>PROVISION FOR ESCAPE</b>	
Note	D2D1 (Previously D1.0)	Deemed to satisfy provisions	<p><i>Where a Deemed-to-Satisfy Solution is proposed, Performance Requirements D1P1 to D1P6, D1P8 and D1P9 are satisfied by complying with—</i></p> <ul style="list-style-type: none"> <li><i>D2D2 to D2D23, D3D2 to D3D30 and D4D2 to D4D13; and</i></li> <li><i>in a building containing an atrium, Part G3; and</i></li> <li><i>in a building in an alpine area, Part G4; and</i></li> <li><i>for a building containing an occupiable outdoor area, Part G6; and</i></li> <li><i>for additional requirements for Class 9b buildings, Part I1; and</i></li> <li><i>for public transport buildings, Part I2; and</i></li> <li><i>for farm sheds, Part I3.</i></li> </ul> <p><i>Where a Performance Solution is proposed, the relevant Performance Requirements must be determined in accordance with A2G2(3) and A2G4(3) as applicable. Performance Requirement D1P7 must be complied with if lifts are to be used to assist occupants to evacuate a building</i></p>
Note	D2D2 (Previously D1.1)	Application of Part	<i>The Deemed-to-Satisfy Provisions of this Part do not apply to the internal parts of a sole-occupancy unit in a Class 2 or 3 building or a Class 4 part of a building.</i>
✓	D2D3 (Previously D1.2)	Number of exits required	<i>Complies</i>
●	D2D4 (Previously D1.3)	When fire isolated stairs and ramps are required	<i>N/A</i>
✓	D2D5 (Previously D1.4)	Exit travel distances	<i>Complies</i>
✓	D2D6 (Previously D1.5)	Distance between alternate exits	<i>Complies</i>

Note	D2D7 (Previously D1.6(a))	Heights of exits, paths of travel to exits and doorways	<i>In a required exit or path of travel to an exit the unobstructed height throughout must be not less than 2 m, except the unobstructed height of any doorway may be reduced to not less than 1980 mm.</i>
Note	D2D8 (Previously D1.6(b), (c), (d) and (e))	Widths of exits and paths of travel	<i>Min 1.0m clearance between walls or handrails. Handrails are required both sides in accordance with AS 1428.1, including handrail extensions to all stairs other than fire isolated stairs. If non required fire stairs are closed off with a door signed as fire stair only then only 1 handrail will be required-(making it into a fire isolated stair)</i>
✓	D2D9 (Previously D1.6(f))	Width of doorways in exits or paths of travel to exits	<i>Complies</i>
✓	D2D10 (Previously D1.6(g))	Exit width not to diminish in direction of travel	<i>Complies</i>
Note	D2D11 (Previously D1.6(h) & (i))	Determination and measurement of exits and paths of travel to exits	<i>For information</i>
●	D2D12 (Previously D1.7)	Travel via fire isolated exits	<i>N/A</i>
●	D2D13 (Previously D1.8)	External stairs and ramps in lieu of fire isolated exits	<i>N/A</i>
✓	D2D14 (Previously D1.9)	Travel by non-fire isolated stairs or ramps	<i>Complies</i>
Note	D2D15 (Previously D1.10)	Discharge from exits	<i>For information</i>
●	D2D16 (Previously D1.11)	Horizontal exits	<i>N/A</i>
●	D2D17 (Previously D1.12)	Non required stairs, ramps and escalators	<i>N/A</i>
●	D2D18 (Previously D1.13)	Number of persons accommodated	<i>N/A</i>
Note	D2D19 (Previously D1.14)	Measurement of distances	<i>For information</i>
Note	D2D20 (Previously D1.15)	Method of measurement	<i>For information</i>
Note	D2D21 (Previously D1.16)	Plant rooms, lift machine rooms, and electricity network substations: concession	<i>For information</i>
Note	D2D22 (Previously D1.17)	Access to lift pits	<i>For information</i>
●	D2D23 (Previously D1.18)	Egress from primary schools	<i>N/A</i>
	<b>PART D3</b>	<b>CONSTRUCTION OF EXITS</b>	
Note	D3D1 (Previously D2.0)	Deemed-to-Satisfy Provisions	<i>Where a Deemed-to-Satisfy Solution is proposed, Performance Requirements D1P1 to D1P6, D1P8 and D1P9 are satisfied by complying with— D2D2 to D2D23, D3D2 to D3D30 and D4D2 to D4D13; and in a building containing an atrium, Part G3; and in a building in an alpine area, Part G4; and for a building containing an occupiable outdoor area, Part G6; and</i>

			for additional requirements for Class 9b buildings, Part I1; and for public transport buildings, Part I2; and for farm buildings and farm sheds, Part I3. Where a Performance Solution is proposed the relevant Performance Requirements must be determined in accordance with A2G2(3) and A2G4(3) as applicable. Performance Requirement D1P7 must be complied with if lifts are to be used to assist occupants to evacuate a building.
Note	D3D2 (Previously D2.1)	Application of Part	Except for— D3D14, D3D15(a), D3D17, D3D18, D3D19, D3D20, D3D21, D3D22(5), D3D22(6), D3D26 and D3D29, the Deemed-to-Satisfy Provisions of this Part do not apply to the internal parts of a sole-occupancy unit in a Class 3 building; and D3D14, D3D15(a), D3D17, D3D18, D3D19, D3D20, D3D21, D3D22(5), D3D22(6), D3D23 and D3D29, the Deemed-to-Satisfy Provisions of this Part do not apply to the internal parts of a sole-occupancy unit in a Class 2 building or Class 4 part of a building.
Note	D3D3 (Previously D2.2)	Fire-Isolated stairways & ramps	For information
Note	D3D4 (Previously D2.3)	Non-Fire-Isolated stairways and ramps	For information
Note	D3D5 (Previously D2.4)	Separation of rising and descending stair flights	For information
Note	D3D6 (Previously D2.5)	Open access ramps and balconies	For information
•	D3D7 (Previously D.6)	Smoke lobbies	N/A
?	D3D8 (Previously D2.7)	Installations in exits and paths of travel	Any electrical risers, to be within a shaft with relevant FRL or sealed floor to floor with non-combustible walls. Requires a solid door with a metal backing, including smoke seals.  Door schedule required, prior to any CC being issued
Note	D3D9 (Previously D2.8)	Enclosure of space under stairs and ramps	Non-Fire isolated stairs-  If enclosed storage is proposed under the stairs.  The construction must have a FRL of 60/60/60 with a self-closing fire door with a FRL of -/60/30,
Note	D3D10 (Previously D2.9)	Width of stairways and ramps	Appears to comply, min 1.0m clear between all handrails and walls
Note	D3D11 (Previously D2.10)	Pedestrian ramps	For information
•	D3D12 (Previously D2.11)	Fire Isolated passageways	N/A
?	D3D13 (Previously D2.12)	Roof as open space	N/A Although this is technically not applicable, the intent of this clause is to safeguard the level, discharge opening from the stairs. After speaking with Rod, the PCA. He would like the basement Door to be fire rated with a self-closing -/60/30 fire door, thus protecting the only discharge stair from the upper level from a

			<p><i>potential fire in the basement</i></p> <p><b>Door schedule required, prior to any CC being issued</b></p>
Note	D3D14 (Previously D2.13)	Goings and risers	<p><i>Must comply with AS 4586 and Table D3D14 Maximum of 18 risers</i></p> <ul style="list-style-type: none"> <li>• Stairs are to have risers measuring between 115- 190mm and goings between 250-355mm.</li> <li>• Goings and Risers are to be within 2R+G=700(max) and 550(min).</li> </ul>
Note	D3D15 (Previously D2.14)	Landings	<p><i>Must have slip rating in accordance with table D3D15</i></p>
Note	D3D16 (Previously D2.15)	Thresholds	<p><i>Any adaptable unit doorway must comply with AS 1428.1</i></p>
?	D3D17 (Previously D2.16(a), (b) and (c))	Balustrades	<p><i>All, common external areas, internal stairs and external balconies, require balustrades min 1.0m high, in accordance with this section, all stairs flight min 865mm above nosing lines</i></p> <p><i>Note: nothing fixed and climbable to be within 900mm of the balustrade (lights, taps or PowerPoints etc)</i></p> <p><b>Detailed design – elevations and a cross section detailing balustrading heights required for internal stairs, external stairs, balconies, and planter boxes.</b></p>
?	D3D18 (Previously Table D2.16a)	Height of barriers	<p><i>The height of a barrier required by D3D17 must be not less than the following:</i></p> <ul style="list-style-type: none"> <li>• <i>For stairways or ramps with a gradient of 1:20 or steeper — 865 mm.</i></li> <li>• <i>For landings to a stair or ramp where the barrier is provided along the inside edge of the landing and does not exceed 500 mm in length — 865 mm.</i></li> <li>• <i>For all other locations — 1m.</i></li> <li>• <i>Barrier heights are measured vertically from the surface beneath, except that for stairways the height must be measured above the nosing line of the stair treads; and</i></li> <li>• <i>a transition zone may be incorporated where the barrier height changes from 865 mm on a stair flight or ramp to 1 m at a landing or floor.</i></li> </ul> <p><b>Detailed design – elevations and a cross section detailing balustrading heights required for internal stairs, external stairs, balconies and planter boxes.</b></p>
Note	D3D19 (Previously Table D2.16a)	Openings in barriers	<p><i>For information</i></p>
Note	D3D20 (Previously Table D2.16a)	Barrier climbability	<p><i>For information</i></p>
Note	D3D21 (Previously D2.16(d))	Wire barriers	<p><i>For information</i></p>
?	D3D22 (Previously D2.17)	Handrails	<p><i>All areas that have a fall of more than 1.0m will require a handrail, including any glass balustrading.</i></p> <p><b>Provide a detailed cross section for</b></p>

			<i>assessment of all areas prior to the issue of a CC</i>
●	D3D23 (Previously D2.18)	Fixed platforms, walkways stairways and ladders	N/A
Note	D3D24 (Previously D2.19)	Doorways and doors	<i>For information</i>
✓	D3D25 (Previously D2.20)	Swinging doors	<i>Complies</i>
Note	D3D26 (Previously D2.21)	Operation of latch	<i>All accessible areas, the door handles must comply with this clause and AS1428.1</i> <i>Doors accessing a required exit must: -</i> <i>be readily opened without a key from the side that faces a person seeking egress.</i> <i>a single downward action located between 900mm and 1.1m from the floor.</i> <i>Including the main entry door and all internal doors, excluding storerooms, unless automatic opening. However, this requirements do not apply to or within a sole-occupancy unit in a class 2 residential unit</i>
Note	D3D27 (Previously D2.22)	Re-entry from fire isolated exits	N/A
Note	D3D28 (Previously D2.23)	Signs on doors	<i>Must comply with this clause</i>
Note	D3D29 (Previously D2.24)	Protection of openable windows	<i>All bedroom windows must be restricted, max 125mm if above 4.0m from ground level. The lower edge of the window is lower than 1.7m above the floor.</i> <i>Any window above 4m from ground level must have a barrier not less than 865mm above floor level or restricted as above.</i>
●	D3D30 (Previously D2.25)	Timber stairways: concession	N/A
	<b>PART D4</b>	<b>ACCESS FOR PEOPLE WITH DISABILITIES</b>	
Note	D4D1 (Previously D3.0)	Deemed-to-Satisfy Provisions	<i>For information</i>
Note	D4D2 (Previously D3.1)	General building access requirements	<i>Access to and within all areas, unless exempt as being staff only areas and where access would be inappropriate because of the particular purpose for which is used including that would pose a health or safety risk for people with disability.</i>
Note	D4D3 (Previously D3.2)	Access to buildings	<i>All entry doors must comply with AS 1428.1, fire stair egress not required to comply</i>
Note	D4D4 (Previously D3.3)	Parts of building to be accessible, must comply with AS1428.1, 1428.2 & 4299	<i>Refer to Access Report</i>
Note	D4D5 (Previously D3.4)	Exemptions	<i>Service areas</i>
●	D4D6 (Previously D3.5)	Accessible car-parking	N/A
Note	D4D7 (Previously D3.6)	Signage	<i>Must comply with Specification 15</i>



●	D4D8 (Previously D3.7)	Hearing augmentation	N/A
✓	D4D9 (Previously D3.8)	Tactile Indicators	<i>All levels, Tactiles required to top and bottom of all stairs and ramps (that are steeper than 1:20), excluding fire isolated stairs.</i>  <i>Note, if there is a wall of obstruction within 3.0m of the stair riser, then the 600mm wide tactiles are to be reduced to 300-400mm wide.</i>  <i>Appears to comply</i>
●	D4D10 (Previously D3.9)	Wheelchair seating spaces in Class 9b assembly buildings	N/A
●	D4D11 (Previously D3.10)	Swimming pools	N/A
●	D4D12 (Previously D3.11)	Ramps	N/A
Note	D4D13 (Previously D3.12)	Glazing on an accessway	For information
	<b>SPEC 14</b>	<b>NON-REQUIRED STAIRWAYS RAMPS AND ESCALATORS</b>	
●	S14C1	Scope	N/A
●	S14C2	Requirements	N/A
	<b>SPEC 15</b>	<b>BRAILLE AND TACTILE SIGNS</b>	
Note	S15C1	Scope	<i>This Specification sets out the requirements for the design and installation of braille and tactile signage as required by D3D26, D4D7 and Specification 27.</i>
Note	S15C2	Location of braille and tactile signs	For information
Note	S15C3	Braille and tactile sign specification	For information
Note	S15C4	Luminance contrast	For information
Note	S15C5	Lighting	For information
Note	S15C6	Braille	For information
	<b>SPEC 16</b>	<b>ACCESSIBLE WATER ENTRY/EXIT FROM SWIMMING POOLS</b>	
●	S16C1	Scope	N/A
●	S16C2	Fixed or moveable ramp	N/A
●	S16C3	Zero depth entry	N/A
●	S16C4	Platform swimming pool lift	N/A
●	S16C5	Sling style swimming pool lift	N/A

•	S16C6	Aquatic wheelchair	N/A
	<b>SECTION E</b>	<b>SERVICES AND EQUIPMENT</b>	
	<b>PART E1</b>	<b>FIRE FIGHTING EQUIPMENT</b>	
Note	E1D1 (Previously E1.0)	Deemed-to-Satisfy Provisions	For information
?	E1D2 (Previously E1.3)	Fire Hydrants	<p><i>Ensure installation and coverage is in accordance with AS 2419.1 requirements.</i></p> <p><i>FIP location?</i></p> <p><i>Booster assemble details</i></p> <p><i>No Pump room detailed, assume street hydrant coverage, pressure and flow is compliant?</i></p> <p><i>Street hydrant coverage plan required to upper level, must not exceed 60m hose + 10m stream</i></p> <p><b><i>Details to be provided prior to the issue of a CC</i></b></p>
?	E1D3 (Previously E1.4)	Hose Reels	<p><i>Hose reel not detailed</i></p> <p><i>Ensure hose reels are installed in accordance with AS 2441, located within 4m of an exit and provide full coverage of the floor areas of the basement carpark and retail levels.</i></p> <p><i>Hose reels are not required on the residential levels or Basement 2 level</i></p> <p><b><i>Details to be provided prior to the issue of a CC</i></b></p>
?	E1D4 (Previously E1.5)	Sprinklers	<p><i>A sprinkler system must—</i></p> <ul style="list-style-type: none"> <li><i>be installed in a building or part of a building when required by E1D5 to E1D13 as applicable; and</i></li> </ul> <p><i>comply with Specification 17 and Specification 18 as applicable.</i></p> <p><b><i>Details to be provided prior to the issue of a CC</i></b></p>
Note	E1D5 (Previously Table E1.5)	Where sprinklers are required: all classifications	<p><i>Sprinklers are required throughout the whole building if any part of the building has an effective height of more than 25 m—</i></p> <ul style="list-style-type: none"> <li><i>including an open-deck carpark within a multi-classified building; but excluding—</i></li> <li><i>an open-deck carpark being a separate building; and</i></li> </ul> <p><i>a Class 8 electricity network substation, with a floor area not more than 200 m2, located within a multi-classified building.</i></p>
•	E1D6 (Previously Table E1.5)	Where sprinklers are required Class 2 and 3 buildings other than residential care buildings	<p><i>In a Class 2 or 3 building, or any multi-classified building containing a Class 2 or 3 part, sprinklers are required throughout the whole building if any part of the building has—</i></p> <ul style="list-style-type: none"> <li><i>a rise in storeys of 4 or more; and</i></li> <li><i>an effective height of not more than 25 m.</i></li> </ul> <p><b><i>The requirements of the above do not apply</i></b></p>

			<i>to a residential care building.</i>
•	E1D7 (Previously Table E1.5)	Where sprinklers are required: Class 3 building used as a residential care building	N/A
•	E1D8 (Previously Table E1.5)	Where sprinklers are required: Class 6 building	N/A
•	E1D9 (Previously Table E1.5)	Where sprinklers are required: Class 7a building other than an open deck carpark	Required
•	E1D11 (Previously Table E1.5)	Where sprinklers are required: Class 9b buildings	N/A
•	E1D12 (Previously Table E1.5)	Where sprinklers are required: additional requirements	N/A
•	E1D13 (Previously Table E1.5 (Note 4))	Where sprinklers are required: occupancies of excessive hazards	N/A
Note	E1D14 (Previously E1.6 and Table E1.6)	Portable Extinguishers Table E1.6	<p><i>No fire extinguishers detailed on the plans, required to be installed in accordance with AS 2444, required to all levels and all areas.</i></p> <p><i>For class 2 sole-occupancy units from level 3 and above, a minimum size of 2.5kg of ABE type fire extinguisher to be installed to serve the storey. The travel distance from the entrance doorway of any sole-occupancy unit to the nearest fire extinguisher shall be less than 10 m.</i></p>
•	E1D15 (Previously E1.8)	Fire Control Centres	N/A
•	E1D16 (Previously E1.9)	Fire precautions during construction	N/A
•	E1D17 (Previously E1.10)	Provision for special hazards	N/A
	<b>SPEC 17</b>	<b>FIRE SPRINKLER SYSTEM</b>	
Note	S17C1	Scope	<i>This Specification sets out requirements for the design and installation of fire sprinkler systems.</i>
Note	S17C2	Application of automatic fire sprinkler standards	<p><i>Subject to this Specification, an automatic fire sprinkler system must comply with—</i></p> <ul style="list-style-type: none"> <li><i>• for all building classifications: AS 2118.1; or</i></li> <li><i>• for a Class 2 or 3 building with an effective height of not more than 25 m and a rise in storeys of 4 or more: Specification 18 and the relevant provisions of this Specification as applicable; or</i></li> <li><i>• for Class 5, 6, 7, 8, 9a (other than a residential care building) or 9b (other than a Class 9b early childhood centre) parts of a building with an effective height not more than 25 m, which also contains Class 2 or 3 parts: a sprinkler system in accordance with Specification 18 as for a Class 2 or 3 building and the relevant provisions of this Specification except</i></li> <li><i>• a FPAA101D sprinkler system cannot be used where the Class 5, 6, 7, 8, 9a or 9b parts (other than a residential care building</i></li> <li><i>• contain more than 2 storeys; or</i></li> <li><i>• are more than 25% of the total floor</i></li> </ul>

			<ul style="list-style-type: none"> <li>area of the building; or</li> <li>are located above the fourth storey; and deck carpark) accommodates more than 40 vehicles; or</li> <li>a FPAA101D or FPAA101H sprinkler system cannot be used where the Class 7a part (other than an open- deck car park</li> <li>for a combined sprinkler and fire hydrant system: AS 2118.6; or for a Class 9a health-care building used as a residential care building: AS 2118.4 as applicable; or</li> </ul> <p>for a Class 2, 3 or 9c building: AS 2118.4 as applicable.</p>
Note	S17C3	Separation of sprinklered and non-sprinklered areas	<p>Where a part of a building is not protected with sprinklers, the sprinklered and non-sprinklered parts must be fire-separated with a wall or floor which must—</p> <ul style="list-style-type: none"> <li>comply with any specific requirement of the Deemed-to-Satisfy Provisions of the BCA; or</li> </ul> <p>where there is no specific requirement, comply with the relevant part of AS 2118, FPAA101D or FPAA101H.</p>
Note	S17C4	Protection of openings	Any openings, including those for service penetrations, in construction separating sprinklered and non-sprinklered parts of a building, including the construction separating the areas nominated for omitted protection in AS 2118.1, must be protected in accordance with the Deemed-to-Satisfy Provisions of Part C4.
Note	S17C5	Quick response sprinklers	Quick response sprinklers may be installed only if they are suitable for the type of application proposed and it is demonstrated that the sprinkler system is designed to accommodate their use
Note	S17C6	Sprinkler valve enclosures	<ul style="list-style-type: none"> <li>Sprinkler alarm valves must be located in a secure room or enclosure which has direct egress to a road or open space.</li> <li>All sprinkler valve rooms and enclosures must be secured with a system suitable for use by the fire brigade.</li> </ul>
Note	S17C7	Water supply	For information
Note	S17C8	Building occupant warning system	A required sprinkler system, except a FPAA101D sprinkler system, must be connected to and activate a building occupant warning system complying with S20C7.
Note	S17C9	Connection to other systems	Where a smoke hazard management system is installed and is actuated by smoke detectors, the sprinkler system must, wherever practicable, be arranged to also activate the smoke hazard management system
Note	S1710	Anti tamper devices	<p>Where a sprinkler system is installed—</p> <ul style="list-style-type: none"> <li>over any stage area in a theatre, public hall or the like, visual and audible status indication of sprinkler valves must be provided at the location normally used by the stage manager; or</li> <li>in a space housing lift electrical and control equipment (including machine rooms, secondary floors</li> </ul>

			<p>and sheaverooms), any valves provided to control sprinklers in these spaces must be located adjacent to the space.</p> <p>Any valves provided to control sprinklers required by above must be fitted with anti-tamper monitoring devices connected to a monitoring panel.</p>
Note	S17C11	Sprinkler systems in carpark	<p>A sprinkler system protecting a carpark complying with S5C19(3) in a multi-classified building must—</p> <ul style="list-style-type: none"> <li>• be independent of the sprinkler system protecting any part of the building not used as a carpark; or</li> </ul> <p>if forming part of a sprinkler system protecting a part of the building not used as a carpark, be designed such that the section protecting the non-carpark part can be isolated without interrupting the water supply or otherwise affecting the effective operation of the section protecting the carpark.</p>
—	S17C12	Residential care buildings	N/A
Note	S17C13	Sprinkler systems in lift installations	<p>Where sprinklers are installed in a space housing lift electrical and control equipment, including machine rooms, secondary floors and sheave rooms, sprinklers in these spaces must—</p> <ul style="list-style-type: none"> <li>• have heads protected from accidental damage by way of a guard that will not impair the performance of the head; and</li> <li>• be capable of being isolated and drained, either separately or collectively, without isolating any other sprinklers within the building.</li> </ul> <p>Valves provided to control sprinklers referred to above must be installed in accordance with S17C10(2).</p>
—	S17C14	Early childhood centres	N/A
	<b>SPEC 18</b>	<b>CLASS 2 AND 3 BUILDINGS NOT MORE THAN 25M IN EFFECTIVE HEIGHT</b>	
Note	S18C1	Scope	This Specification sets out requirements for the design and installation of fire sprinkler systems, and concessions for Class 2 and 3 buildings not more than 25 m in effective height with a rise in storeys of 4 or more
Note	S18C2	Application	The Deemed-to-Satisfy Provisions of this Specification take precedence where there is a difference to the Deemed-to-Satisfy Provisions of Sections C, D and E.
Note	S18C3	System requirements	For information
Note	S18C4	Permitted concessions	For information
	<b>SPEC 19</b>	<b>FIRE CONTROL CENTRES</b>	
—	S19C1	Scope	N/A

•	S19C2	Application	N/A
•	S19C3	Purpose and content of fire control centre	N/A
•	S19C4	Location of fire control centre	N/A
•	S19C5	Equipment not permitted within a fire control centre	N/A
•	S19C6	Ambient sound level for a fire control centre	N/A
•	S19C7	Construction of a fire control centre	N/A
•	S19C8	Protection of openings in fire control room	N/A
•	S19C9	Doors to a fire control room	N/A
•	S19C10	Size and contents of a fire control room	N/A
•	S19C11	Ventilation and power supply to fire control room	N/A
•	S19C12	Sign for a fire control room	N/A
•	S19C13	Lighting for a fire control room	N/A
	<b>PART E2</b>	<b>SMOKE HAZARD MANAGEMENT</b>	
Note	E2D1 (Previously E2.0)	Deemed-to-Satisfy Provisions	<p>Where a Deemed-to-Satisfy Solution is proposed, Performance Requirements E2P1 and E2P2 are satisfied by complying with—</p> <ul style="list-style-type: none"> <li>• (a) E2D2 to E2D21; and</li> <li>• in a building containing an atrium, Part G3; and</li> <li>• in a building in an alpine area, Part G4; and</li> </ul> <p>for additional requirements for Class 9b buildings, Part I1.</p> <p>Where a Performance Solution is proposed, the relevant Performance Requirements must be determined in accordance with A2G2(3) and A2G4(3) as applicable</p>
Note	E2D2 (Previously E2.1)	Application of Part	<p>The Deemed-to-Satisfy Provisions of this Part do not apply to—</p> <ul style="list-style-type: none"> <li>• an open-deck carpark; or</li> <li>• an open spectator stand; or</li> </ul> <p>a Class 8 electricity network substation with a floor area not more than 200 m<sup>2</sup>, located within a multi-classified building.</p>
Note	E2D3 (Previously E2.2)	General requirements	For information
•	E2D4 (Previously Table E2.2a)	Fire isolated exits	N/A
•	E2D5 (Previously Table E2.2a)	Buildings more than 25m effective height: Class 2 and 3 and Class 4 part of a building	N/A
•	E2D6 (Previously Table E2.2a)	Building more than 25m effective height: Class 5,6,7b, 8 or 9b buildings	N/A



•	E2D7 (Previously Table E2.2a)	Buildings more than 25m in effective height: Class 9a buildings	N/A
Note	E2D8 (Previously Table E2.2a)	Buildings not more than 25m effective height: Class 2 and 3 and Class 4 part of a building	<i>In a Class 2 and 3 building or part of a building, or Class 4 part of a building, if the building is not more than 25 m in effective height— it must be provided with an automatic smoke detection and alarm system complying with Specification 20</i>
•	E2D9 (Previously Table E2.2a)	Building not more than 25m effective height: Class 5,6,7b, 8 or 9b buildings	N/A
•	E2D10 (Previously Table E2.2a)	Building not more than 25m in effective height: large - isolated buildings subject to C3D4	N/A
•	E2D11 (Previously Table E2.2a)	Buildings not more than 25m effective height: Class 9a and 9c buildings	N/A
•	E2D12 (Previously Table E2.2a)	Class 7a buildings	N/A
•	E2D13 (Previously Table E2.2a)	Basements (other than Class 7a buildings)	N/A
•	E2D14 (Previously Table E2.2b)	Class 6 buildings – fire compartments more than 2000m <sup>2</sup> : Class 6 building (not containing an enclosed walkway or mall serving more than one Class 6 sole occupancy unit)	N/A
•	E2D15 (Previously Table E2.2b)	Class 6 buildings – fire compartments more than 2000m <sup>2</sup> : Class 6 building (containing an enclosed walkway or mall serving more than one Class 6 sole occupancy unit)	N/A
•	E2D16 (Previously Table E2.2b)	Class 9b - assembly buildings nightclubs and discotheques and the like	N/A
•	E2D17 (Previously Table E2.2b)	Class 9b - assembly buildings exhibition halls	N/A
•	E2D18 (Previously Table E2.2b)	Class 9b - assembly buildings theatres and public halls	N/A
•	E2D19 (Previously Table E2.2b)	Class 9b - assembly buildings theatres and public halls (not listed in E2D18) including lecture theatres and cinema/ auditorium complexes	N/A
•	E2D20 (Previously E2.2b)	Class 9b - assembly buildings: other assembly buildings (not listed in E2D16 to E2D19)	N/A
Note	E2D21 (Previously E2.3)	Provision for special hazards	<i>Car park will require a mechanical exhaust system in accordance with AS1668.2</i>
	<b>SPEC 20</b>	<b>SMOKE DETECTION AND ALARM SYSTEMS</b>	
Note	S20C1	Scope	<i>This Specification describes the installation and operation of automatic smoke detection and alarm systems.</i>
Note	S20C2	Type of system	<i>A required automatic smoke detection and alarm system must be provided in accordance with the following:</i> <i>Class 2 buildings and Class 4 parts of a building—</i> <ul style="list-style-type: none"> <li>• <i>a smoke alarm system complying with S20C3; or</i></li> <li>• <i>a smoke detection system complying with S20C4; or</i></li> <li>• <i>a combination of a smoke alarm system and a smoke detection system complying with S20C5.</i></li> </ul>

Note	S20C3	Smoke alarm system	For information
Note	S20C4	Smoke detection system	For information
Note	S20C5	Combined smoke alarm and smoke detection system	For information
Note	S20C6	Smoke detection for smoke control systems	For information
Note	S20C7	Building occupant warning system	For information
Note	S20C8	System monitoring	For information
	<b>SPEC 21</b>	<b>SMOKE EXHAUST SYSTEMS</b>	
Note	S21C1	Scope	<i>This Specification describes the requirements for mechanical smoke exhaust systems.</i>
Note	S21C2	Smoke exhaust capacity	For information
Note	S21C3	Smoke exhaust fans	For information
Note	S21C4	Smoke reservoirs	For information
Note	S21C5	Smoke exhaust fan and vent location	For information
Note	S21C6	Make-up air	For information
Note	S21C7	Smoke exhaust system control	For information
Note	S21C8	Smoke detection	For information
	<b>SPEC 22</b>	<b>SMOKE AND HEAT VENTS</b>	
Note	S22C1	Scope	<i>This Specification contains requirements for automatic smoke-and-heat vents.</i>
Note	S22C2	Adoption of AS2665	For information
Note	S22C3	Controls	For information
	<b>SPEC23</b>	<b>RESIDENTIAL FIRE SAFETY SYSTEMS</b>	
Note	S23C1	Scope	<i>This Specification describes the requirements for residential fire safety systems referenced in Specification 18.</i>
Note	S23C2	Application	<p><i>Clauses S23C3 to S23C7—apply to Class 3 residential care buildings; and cover installation requirements for local fire indicator panels (or alarm panels) that provide information to staff when a fire alarm is activated.</i></p> <p><i>Clauses S23C8 and S23C9 describe requirements for connecting residential</i></p>

			<i>sprinkler systems in Class 2 and 3 buildings, or a residential care building, to a fire station or other approved monitoring service.</i>
Note	S23C3	General Requirements	For information
Note	S23C4	Local fire indicator	For information
Note	S23C5	Smoke alarms	For information
Note	S23C6	Signal isolation interface units	For information
Note	S23C7	Wiring	For information
Note	S23C8	Connection to monitoring service	For information
Note	S23C9	Indication at the fire indicator panel	For information
	<b>PART E3</b>	<b>LIFT INSTALLATIONS</b>	
Note	E3D1 (Previously E3.0)	Deemed-to-Satisfy Provisions	<p><i>Where a Deemed-to-Satisfy Solution is proposed, Performance Requirements E3P1 to E3P4 are satisfied by complying with—</i></p> <ul style="list-style-type: none"> <li><i>E3D2 to E3D12; and</i></li> <li><i>for a building containing an occupiable outdoor area, Part G6; and</i></li> </ul> <p><i>for public transport buildings, Part I2. Where a Performance Solution is proposed, the relevant Performance Requirements must be determined in accordance with A2G2(3) and A2G4(3) as applicable.</i></p>
Note	E3D2 (Previously E3.1)	Lift installations	<i>An electric passenger lift installation and an electrohydraulic passenger lift installation must comply with Specification 24.</i>
●	E3D3 (Previously E3.2)	Stretcher facility in lifts	<i>N/A</i>
Note	E3D4 (Previously E3.3)	Warning against use of lifts in fire	For information
●	E3D5 (Previously E3.4)	Emergency lifts	<i>N/A</i>
Note	E3D6 (Previously E3.5)	Landings	For information
Note	E3D7 (Previously E3.6, Table E3.6a, Table E3.6b)	Passenger lift and their limitations	For information
Note	E3D8 (Previously Table E3.6a, Table E3.6b)	Accessible features required for passenger lifts	For information
●	E3D9 (Previously E3.7)	Fire service controls	<i>N/A</i>
●	E3D10 (Previously E3.8)	Residential care buildings (RCB)	<i>N/A</i>
Note	E3D11 (Previously E3.9)	Fire service recall control switch	For information

Note	E3D12 (Previously E3.10)	Lift car fire service drive control switch	For information
	<b>PART E4</b>	<b>VISIBILITY IN AN EMERGENCY, EXIT SIGNS AND WARNING SYSTEMS</b>	
Note	E4D1 (Previously E4.0)	Deemed-to-Satisfy Provisions	<p>Where a Deemed-to-Satisfy Solution is proposed, Performance Requirements E4P1 to E4P3 are satisfied by complying with—</p> <ul style="list-style-type: none"> <li>• E4D2 to E4D9; and</li> <li>• in a building containing an atrium, Part G3; and</li> <li>• in a building in an alpine area, Part G4; and</li> <li>• for a building containing an occupiable outdoor area, Part G6; and</li> <li>• for additional requirements for Class 9b buildings, Part I1; and</li> <li>• for farm buildings and farm sheds, Part I3.</li> </ul> <p>Where a Performance Solution is proposed, the relevant Performance Requirements must</p> <ul style="list-style-type: none"> <li>• be determined in accordance with A2G2(3) and A2G4(3) as applicable.</li> </ul>
?	E4D2 (Previously E4.2)	Emergency Lighting requirements	<p><i>Required to be installed in accordance with AS2293.1.</i></p> <p><i>Emergency lighting is required in every passageway, corridor, hallway, or the like, having a length of more than 6 m from the entrance doorway of any sole-occupancy unit in a Class 2 opening directly to a fire-isolated stairway, a road or open space.</i></p> <p><i>Electrical plans to be provided prior to the issue of a CC.</i></p>
Note	E4D3 (Previously E4.3)	Measurement of distances	For information
Note	E4D4 (Previously E4.4)	Design and operation of emergency lighting	<i>Required in accordance with AS2293.1 Emergency lighting must be provided above all stair ways</i>
?	E4D5 (Previously E4.5)	Exit signs	<i>Electrical plans to be provided prior to the issue of a CC.</i>
Note	E4D6 (Previously E4.6)	Direction signs	<i>Required in accordance with AS2293.1</i>
—	E4D7 (Previously E4.7)	Class 2 and 3 Buildings and Class 4 parts exemptions	N/A
Note	E4D8 (Previously E4.8)	Design and operation of exit signs	<i>Must comply with AS2293.1</i>
Note	Spec 25	Spec for photoluminescent exit signs	<i>Must comply with AS2293.1</i>
—	E4D9 (Previously E4.9)	EWIS System	N/A
	<b>SECTION F</b>	<b>HEALTH AND AMENITY</b>	
	<b>PART F1</b>	<b>SURFACE WATER MANAGEMENT, RISING DAMP AND EXTERNAL WEATHER PROOFING</b>	

Note	F1D1 (Previously F1.0)	Deemed-to-Satisfy Provisions	<ul style="list-style-type: none"> <li>Where a Deemed-to-Satisfy Solution is proposed, Performance Requirements F1P1 to F1P4 are satisfied by complying with F1D2 to F1D8.</li> <li>Where a Performance Solution is proposed, the relevant Performance Requirements must be determined in accordance with A2G2(3) and A2G4(3) as applicable</li> </ul>
Note	F1D2	Application of Part	<ul style="list-style-type: none"> <li>F1D4 and F1D5 do not apply to a roof with a covering complying with F3D2(a) to (d).</li> <li>F1D3 to F1D5 do not apply to a balcony, podium or similar horizontal surface part of a building—where the flooring is of timber decking or other perforated flooring; or which is located directly above ground.</li> </ul>
Note	F1D3 (Previously F1.1)	Stormwater drainage	Stormwater drainage must be designed and constructed in accordance with AS/NZS 3500.3
Note	F1D4	Exposed joints	Exposed joints in the drainage surface on a roof, balcony, podium or similar horizontal surface part of a building must—be protected in accordance with Section 2.9 of AS 4654.2; and not be located beneath or run through a planter box, water feature or similar part of the building.
?	F1D5 (Previously F1.4)	External waterproofing membrane	<p>A roof, balcony, podium or similar horizontal surface part of a building must be provided with a waterproofing membrane—</p> <ul style="list-style-type: none"> <li>consisting of materials complying with AS 4654.1; and</li> </ul> <p>designed and installed in accordance with AS 4654.2.</p> <p>Details to be provided prior to the issue of a CC</p>
?	F1D6 (Previously F1.9)	Damp-proofing	<p>For information</p> <p>Details to be provided prior to the issue of a CC</p>
?	F1D7 (Previously F1.10)	Damp-proofing of floors on the ground.	<p>For information</p> <p>Details to be provided prior to the issue of a CC</p>
Note	F1D8 (Previously F1.12)	Sub-floor ventilation	N/A
	<b>PART F2</b>	<b>WET AREAS AND OVERFLOW PROTECTION</b>	
Note	F2D1	Deemed to satisfy provisions	<ul style="list-style-type: none"> <li>Where a Deemed-to-Satisfy Solution is proposed, Performance Requirements F2P1 and F2P2 are satisfied by complying with F2D2 to F2D4.</li> <li>Where a Performance Solution is proposed, the relevant Performance Requirements must be determined in accordance with A2G2(3) and A2G4(3) as applicable.</li> </ul>
?	F2D2 (Previously F1.7)	Wet area construction	<p>Must be in accordance with Specification 26 and AS 3740</p> <p>Details to be provided prior to the issue of a CC.</p>

Note	F2D3 (Previously F1.7(b) and (c))	Room containing urinals	For information
Note	F2D4 (Previously F1.11)	Floor wastes	<p><i>In a Class 2 or 3 building or Class 4 part of a building, a bathroom or laundry located at any level above a sole-occupancy unit or public space must have a floor waste.</i></p> <p><i>Where a floor waste is installed—</i></p> <ul style="list-style-type: none"> <li>the minimum continuous fall of a floor plane to the waste must be 1:80; and</li> </ul> <p><i>the maximum continuous fall of a floor plane to the waste must be 1:50.</i></p>
	<b>PART F3</b>	<b>ROOF AND WALL CLADDING</b>	
Note	F3D1	Deemed-to-Satisfy Provisions	<ul style="list-style-type: none"> <li>Where a Deemed-to-Satisfy Solution is proposed, Performance Requirement F3P1 is satisfied by complying with F3D2 to F3D5.</li> <li>Where a Performance Solution is proposed, the relevant Performance Requirements must be determined in accordance with A2G2(3) and A2G4(3) as applicable.</li> </ul>
Note	F3D2 (Previously F1.5)	Roof coverings	<p><i>A roof must be covered with—</i></p> <ul style="list-style-type: none"> <li>roof tiles complying with AS 2049, fixed in accordance with AS 2050; or</li> <li>metal sheet roofing complying with AS 1562.1; or</li> <li>plastic sheet roofing designed and installed in accordance with AS 1562.3; or</li> <li>terracotta, fibre-cement and timber slates and shingles designed and installed in accordance with AS 4597, except in cyclonic areas; or an external waterproofing membrane complying with F1D5.</li> </ul>
Note	F3D3 (Previously F1.6)	Sarking	For information
Note	F3D4 (Previously F1.13)	Glazed assemblies	For information
Note	F3D5	Wall cladding	For information
	<b>PART F4</b>	<b>SANITARY AND OTHER FACILITIES</b>	
Note	F4D1 (Previously F2.0)	Deemed-to-Satisfy Provisions	For information
—	F4D2 (Previously F2.1)	Facilities in residential buildings	N/A
—	F4D3 (Previously F2.2)	Calculations of number of occupants and facilities	N/A
—	F4D4 (Previously F2.3)	Facilities in Class 3 to 9 Buildings	N/A
Note	F4D5 (Previously F2.4)	Accessible sanitary facilities	<p><i>At each bank of toilets where there is one or more toilets in addition to an accessible unisex compartment at that bank of toilets, not less than one sanitary compartment suitable for a person with an ambulant disability.</i></p>



Note	F4D6 (Previously Table F2.4a)	Accessible unisex sanitary compartments	Where required by F4D5(a), the minimum number of accessible unisex sanitary compartments for each class of building.
Note	F4D7 (Previously Table F2.4b)	Accessible unisex showers	For information
Note	F4D8 (Previously F2.5)	Construction of sanitary compartments	For information
Note	F4D9 (Previously F2.6)	Interpretation: Urinals and washbasins	For information
Note	F4D10 (Previously F2.7)	Microbial (Legionella) control	For information
Note	F4D11 (Previously F2.8)	Waste management	For information
Note	F4D12 (Previously F2.9)	Accessible adult change facilities	For information
	<b>PART F5</b>	<b>ROOM HEIGHTS</b>	
Note	F5D1 (Previously F3.0)	Deemed-to-Satisfy Provisions	Where a Deemed-to-Satisfy Solution is proposed, Performance Requirement F5P1 is satisfied by complying with— <ul style="list-style-type: none"> <li>• F5D2; and</li> <li>• for farm sheds, Part I3.</li> </ul> Where a Performance Solution is proposed, the relevant Performance Requirements must be determined in accordance with A2G2(3) and A2G4(3) as applicable
✓	F5D2 (Previously F3.2)	Height of rooms and other spaces	Complies
	<b>PART F6</b>	<b>LIGHT AND VENTILATION</b>	
Note	F6D1 (Previously F4.0)	Deemed-to-Satisfy Provisions	<ul style="list-style-type: none"> <li>• Where a Deemed-to-Satisfy Solution is proposed, Performance Requirements F6P1 to F6P5 are satisfied by complying with— F6D2 to F6D12; and</li> <li>• for a building containing an occupiable outdoor area, Part G6; and</li> <li>• for farm buildings and farm sheds, Part I3.</li> </ul> Where a Performance Solution is proposed, the relevant Performance Requirements must be determined in accordance with A2G2(3) and A2G4(3) as applicable.
Note	F6D2 (Previously F4.1)	Provision of Natural light	<p>Natural light must be provided in:</p> <ul style="list-style-type: none"> <li>• A Class 2 building and a Class 4 part of a building — to all habitable rooms.</li> <li>• A Class 3 building — to all bedrooms and dormitories.</li> <li>• Class 9a and 9c buildings — to all rooms used for sleeping purposes.</li> </ul> <p>A Class 9b building — to all general purpose classrooms in primary or secondary schools and all playrooms or the like for the use of children in an early childhood centre.</p>
Note	F6D3 (Previously F4.2)	Methods and extent of natural lighting	<p>Required natural light must be provided by— windows, excluding roof lights, that—</p> <ul style="list-style-type: none"> <li>• have an aggregate light transmitting area measured exclusive of framing members,</li> </ul>

			<p>glazing bars or other obstructions of not less than 10% of the floor area of the room; and</p> <ul style="list-style-type: none"> <li>are open to the sky or face a court or other space open to the sky or an open verandah, carport or the like; or</li> </ul> <p>roof lights, that—</p> <ul style="list-style-type: none"> <li>have an aggregate light transmitting area measured exclusive of framing members, glazing bars or other obstructions of not less than 3% of the floor area of the room; and</li> <li>are open to the sky; or</li> </ul> <p>a proportional combination of windows and roof lights required by (a) and (b).</p>
Note	F6D4 (Previously F4.3)	Natural light borrowed from adjoining room	For information
Note	F6D5 (Previously F4.4)	Artificial lighting	<i>All floors, require artificial lighting in accordance with AS/NZS1680.0 including spaces required to be accessible, all corridors, lobbies, internal stairways, other circulation spaces and paths of egress</i>
Note	F6D6 (Previously F4.5)	Ventilation of rooms	<i>Natural ventilation as per F4.6 or mechanical ventilation required in accordance with AS1668.2 and AS/NZS 3666.1</i>
Note	F6D7 (Previously F4.6)	Natural ventilation	<i>must obtain a minimum of 5% of floor area unless mechanically ventilated</i>
Note	F6D8 (Previously F4.7)	Ventilation borrowed from adjoining rooms	For information
Note	F6D9 (Previously F4.8)	Restriction on location of sanitary compartments	For information
Note	F6D10 (Previously F4.9)	Airlocks	For information
Note	F6D11 (Previously F4.11)	Carparks	<i>Every storey of a carpark, except an open-deck carpark, must have— (a) a system of mechanical ventilation complying with AS 1668.2; or a system of natural ventilation complying with Section 4 of AS 1668.4</i>
Note	F6D12 (Previously F4.12)	Kitchen local exhaust ventilation	For information
	<b>PART F7</b>	<b>SOUND TRANSMISSION AND INSULATION</b>	
Note	F7D1 (Previously F5.0)	Deemed-to-Satisfy Provisions	<p>Where a Deemed-to-Satisfy Solution is proposed, Performance Requirements F7P1 to F7P4 are satisfied by complying with F7D2 to F7D8.</p> <p>Where a Performance Solution is proposed, the relevant Performance Requirements must be determined in accordance with A2G2(3) and A2G4(3) as applicable.</p>
Note	F7D2 (Previously F5.1)	Application of Part	<p>The Deemed-to-Satisfy Provisions of this part apply to Class 2, 3 and 9c buildings</p> <p><i>Acoustic report required, prior to a CC being issued</i></p>
Note	F7D3 (Previously F5.2)	Determination of airborne sound insulation ratings	For information
Note	F7D4 (Previously F5.3)	Determination of impact sound insulation ratings	For information

Note	F7D5 (Previously F5.4)	Sound insulation ratings of floors	For information
Note	F7D6 (Previously F5.5)	Sound insulation ratings of walls	For information
Note	F7D7 (Previously F5.6)	Sound insulation ratings of internal services	For information
Note	F7D8 (Previously F5.7)	Sound isolation of pumps	For information
	<b>PART F7</b>	<b>CONDENSATION MANAGEMENT</b>	
Note	F8D1	Deemed-to-Satisfy Provisions	<i>Compliance with Performance Requirement F8P1 is satisfied by complying with Deemed-to-Satisfy Provisions F8D2 to F8D5. Where a Performance Solution is proposed, the relevant Performance Requirements must be determined in accordance with A2G2(3) and A2G4(3) as applicable.</i>
Note	F8D2	Application of Part	<i>The Deemed-to-Satisfy Provisions of this part apply to Class 2, 3 and a class 4 part of a building.</i>
Note	F8D3	External wall construction	<i>Must comply with AS 4200, Parts 1 &amp; 2</i>
Note	F8D4	Exhaust Systems	For information
Note	F8D5	Ventilation of roof spaces	For information
	<b>SECTION G</b>	<b>ANCILLARY PROVISIONS</b>	
	<b>PART G1</b>	<b>Minor structures and components</b>	
Note	G1D1	Deemed-to-Satisfy Provisions	<i>Performance Requirement G1P1 must be complied with. Where a Deemed-to-Satisfy Solution is proposed, Performance Requirements G1P2 to G1P5 are satisfied by complying with G1D2 to G1D4. Where a Performance Solution is proposed, the relevant Performance Requirements must be determined in accordance with A2G2(3) and A2G4(3) as applicable.</i>
•	G1D2	Swimming pools	N/A
•	G1D3	Refrigerated chambers, strong-rooms and vaults	N/A
•	G1D4	Outdoor play spaces	N/A
	<b>PART G2</b>	<b>Boilers, pressure vessels, heating appliances, fireplaces, chimneys and flues</b>	
•	G2D1 (Previously G2.0)	Deemed-to-Satisfy Provisions	<i>Where a Deemed-to-Satisfy Solution is proposed, Performance Requirements G2P1 and G2P2 are satisfied by complying with G2D2 to G2D4. Where a Performance Solution is proposed, the relevant Performance Requirements must be determined in accordance with A2G2(3) and A2G4(3) as applicable.</i>

•	G2D2 (Previously G2.2)	Installation of appliances	N/A
•	G2D3 (Previously G2.3)	Open fireplaces	N/A
•	G2D4 (Previously G2.4)	Incinerator rooms	N/A
	<b>PART G3</b>	<b>ATRIUM CONSTRUCTION</b>	
•	G3D1	Application of this part	N/A <i>This Part does not apply to an atrium which—</i> <ul style="list-style-type: none"> <li>• <i>connects only 2 storeys; or</i></li> <li>• <i>connects only 3 storeys if—</i> <ul style="list-style-type: none"> <li>(i) <i>each storey is provided with a sprinkler system (other than a FPAA101D or FPAA101H system) complying with Specification 17 throughout; and</i></li> <li>• <i>one of those storeys is situated at a level at which there is direct egress to a road or open space</i></li> </ul> </li> </ul>
•	G3D2	Dimensions of atrium wells	N/A
•	G3D3	Separation of atrium by bounding walls	N/A
•	G3D4	Construction of bounding walls	N/A
•	G3D5	Construction at balconies	N/A
•	G3D6	Separation at roof	N/A
•	G3D7	Means of egress	N/A
•	G3D8	Fire & smoke control systems	N/A
	<b>PART G4</b>	<b>CONSTRUCTION IN ALPINE AREA</b>	
•	G4D1	Deemed-to-Satisfy Provisions	N/A <i>Where a Deemed-to-Satisfy Solution is proposed, Performance Requirements G4P1 to G4P4 are satisfied by complying with—</i> <ul style="list-style-type: none"> <li>• <i>G4D2 to G4D8; and</i></li> <li>• <i>for a building containing an occupiable outdoor area, Part G6.</i></li> </ul> <i>Where a Performance Solution is proposed, the relevant Performance Requirements must be determined in accordance with A2G2(3) and A2G4(3) as applicable</i>
•	G4D2	Application of part	N/A
•	G4D3	External doors	N/A
•	G4D4	Emergency lighting	N/A
•	G4D5	External Trafficable structures	N/A
•	G4D6	Clear space around buildings	N/A

•	G4D7	Fire-fighting services and equipment	N/A
•	G4D8	Fire orders	N/A
	<b>PART G5</b>	<b>Construction in bushfire prone areas</b>	
•	G5D1	Deemed-to-Satisfy Provisions	<p>N/A</p> <p>Where a Deemed-to-Satisfy Solution is proposed, Performance Requirements G5P1 and subject to G5D2, G5P2, are satisfied by complying with G5D3 and G5D4.</p> <p>Where a Performance Solution is proposed, the relevant Performance Requirements must be determined in accordance with A2G2(3) and A2G4(3) as applicable.</p>
•	G5D2	Application of Part	<p>N/A</p> <p>The Deemed-to-Satisfy Provisions of this Part apply in a designated bushfire prone area to—</p> <ul style="list-style-type: none"> <li>• a Class 2 or 3 building; or</li> <li>• a building located in an area subject to a Bushfire Attack Level (BAL) not exceeding BAL—12.5, determined in accordance with AS 3959 that is— a Class 9a health-care building; or</li> <li>• a Class 9b—</li> <li>• an early childhood centre</li> <li>• primary or secondary school; or</li> <li>• a Class 9c residential care building; or</li> <li>• a Class 10a building or deck immediately adjacent or connected to a Class 2 or 3 building; or a building of a type listed in (b).</li> </ul>
•	G5D3 (NSW)	Protection – Residential Buildings	<p>N/A</p> <p>NSW - Protection (Class 2 or 3 buildings)</p>
•	G5D4	Protection of certain Class 9 buildings	<p>N/A</p> <p>Specification 43 – Class 9a, 9b and 9c</p>
	<b>PART G6</b>	<b>OCCUPIABLE OUTDOOR AREAS</b>	
Note+	G6D1 (Previously G6.1)	Application of Part	<ul style="list-style-type: none"> <li>• The Deemed-to-Satisfy Provisions of this Part apply to buildings containing an occupiable outdoor area in addition to the other Deemed-to-Satisfy Provisions of NCC Volume One.</li> <li>• The Deemed-to-Satisfy Provisions of this Part take precedence where there is a difference to the Deemed-to-Satisfy Provisions of Sections C, D, E, F and G.</li> <li>• Except for G6D2, the Deemed-to-Satisfy Provisions of this Part do not apply to—</li> <li>• an occupiable outdoor area of a sole- occupancy unit in a Class 2 or 3 building, Class 9c building or Class 4 part of a building; or an occupiable outdoor area with an area less than 10m<sup>2</sup>.</li> </ul>
•	G6D2 (Previously )	Fire hazard properties	N/A
•	G6D3 (Previously G6.3)	Fire separation	N/A

•	G6D4 (Previously G6.4)	Provision of escape	N/A
•	G6D5 (Previously G6.5)	Construction of exits	N/A
•	G6D6 (Previously G6.6)	Fire-fighting equipment	N/A
•	G6D7 (Previously G6.7)	Lift installations	N/A
•	G6D8 (Previously G6.8)	Visibility in an emergency, exit signs and warning systems	N/A
•	G6D9 (Previously G6.9)	Light and ventilation	N/A
•	G6D10 (Previously G6.10)	Fire orders	N/A
	<b>PART G7</b>	<b>LIVABLE HOUSING DESIGN</b>	
•	G7D1	Deemed-to-Satisfy Provisions	N/A
•	G7D2	Liveable housing design	N/A
	<b>SECTION I</b>	<b>SPECIAL USE BUILDINGS</b>	
	<b>PART I1</b>	<b>CLASS 9b BUILDINGS</b>	
•	I1D1	Application of Part	<p><i>The Deemed-to-Satisfy Provisions of this Part apply to every enclosed Class 9b building or part of a building which—</i></p> <ul style="list-style-type: none"> <li><i>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</i></li> <li><i>otherwise, has a stage and any backstage area with a total floor area of more than 200 m<sup>2</sup>; or</i></li> <li><i>has a stage with an associated rigging loft.</i></li> </ul> <p><i>Notwithstanding (1)—</i></p> <ul style="list-style-type: none"> <li><i>I1D4 applies to every open or enclosed Class 9b building; and</i></li> <li><i>I1D7 applies to every enclosed Class 9b building.</i></li> </ul>
•	I1D2	Separation	N/A
•	I1D3	Proscenium Wall Construction	N/A
•	I1D4	Seating area	N/A
•	I1D5	Exits from stages	N/A
•	I1D6	Access to platforms and lofts	N/A
•	I1D7	Aisle lights	N/A
	<b>Part I2</b>	<b>PUBLIC TRANSPORT BUILDINGS</b>	

Note	I2D1	Application of Part	<p><i>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.</i></p> <p><i>The Deemed-to-Satisfy Provisions of this Part take precedence where there is a difference to the Deemed-to-Satisfy Provisions of Parts D4, E3 and F4.</i></p> <p><i>For an airport that does not accept regular public transport services, as defined in the Disability Standards for Accessible Public Transport 2002, only I2D8, I2D9, I2D10, I2D11, and I2D13 of this Part apply.</i></p> <p><i>Exemption (1) to A6G1(1) does not apply to this Part.</i></p>
•	I2D2	Accessways	N/A
•	I2D3	Ramps	N/A
•	I2D4	Handrails and grabrails	N/A
•	I2D5	Doorways and doors	N/A
•	I2D6	Lifts	N/A
•	I2D7	Stairways	N/A
•	I2D8	Unisex accessible toilet	N/A
•	I2D9	Location of accessible toilets	N/A
•	I2D10	Symbols and signs	N/A
•	I2D11	Tactile ground surface indicators (TGSi)	N/A
•	I2D12	Lighting	N/A
•	I2D13	Hearing augmentation	N/A
•	I2D14	Emergency warning systems	N/A
•	I2D15	Controls	N/A
	<b>PART I3</b>	<b>FARM BUILDINGS and FARM SHEDS</b>	
Note	I3D1	Application of part	<ul style="list-style-type: none"> <li><i>The Deemed-to-Satisfy Provisions of this Part apply to farm buildings and farm sheds.</i></li> <li><i>The Deemed-to-Satisfy Provisions of this Part take precedence where there is a difference to the Deemed-to-Satisfy Provisions of Sections C, D, E, and F.</i></li> <li><i>I3D1 to I3D5, I3D8 and I3D11 to I3D18 apply to a farm shed.</i></li> <li><i>I3D1, I3D3, I3D5 to I3D7, I3D9 to I3D12, I3D14, I3D15 and I3D18 apply to a farm building.</i></li> </ul>



•	I3D2	Fire resistance and separation	N/A
•	I3D3	Provision of escape	N/A
•	I3D4	Construction of exits	N/A
•	I3D5	Fixed platforms, walkways, stairways and ladders	N/A
•	I3D6	Thresholds	N/A
•	I3D7	Swinging doors	N/A
•	I3D8	Firefighting equipment	N/A
•	I3D9	Fire hydrants and water supplies	N/A
•	I3D10	Fire hose reels	N/A
•	I3D11	Portable fire extinguishers	N/A
•	I3D12	Emergency lighting requirements	N/A
•	I3D13	Exit signs	N/A
•	I3D14	Direction signs	N/A
•	I3D15	Design and operation of exit signs	N/A
•	I3D16	Sanitary facilities	N/A
•	I3D17	Height of rooms and other spaces	N/A
•	I3D18	Artificial lighting	N/A

**Plans use in this assessment:**

Drawn by- Walsh Architects

Plan Nos:

32 GOLF AVENUE, MONA VALE

ISSUE FOR DEVELOPMENT APPLICATION

NUMBER	SHEET NAME	REVISION
DA000	COVER PAGE	A
DA010	EXISTING SITE PLAN	A
DA020	SITE ANALYSIS	A
DA030	DEMOLITION PLAN	A
DA040	PROPOSED SITE PLAN	A
DA100	SERVICE PLAN	A
DA101	BASEMENT PLAN	A
DA102	GROUND FLOOR PLAN	A
DA103	LEVEL 1 PLAN	A
DA104	ROOF PLAN	A
DA201	LONG SECTIONS	A
DA202	CROSS SECTIONS	A
DA203	CROSS SECTIONS	A
DA204	CROSS SECTIONS	A
DA300	ELEVATIONS	A
DA301	ELEVATIONS	A
DA400	AREA CALCULATIONS AND SILVER LIVING COMPLIANCE	A
DA501	SHADOW DIAGRAMS - 9AM JUNE 21ST	A
DA502	SHADOW DIAGRAMS - 12PM JUNE 21ST	A
DA503	SHADOW DIAGRAMS - 3PM JUNE 21ST	A
DA600	VIEWS FROM SUN - JUNE 21ST	A
DA601	VIEWS FROM SUN - JUNE 21ST	A
DA602	VIEWS FROM SUN - JUNE 21ST	A

**Note:**

The above assessment has been done under the Deemed-to-Satisfy provisions of the NCC/BCA 2022, unless noted otherwise.

Although building access is assessed under this assessment, it may not include all accessible issues,

**Signature:**



**Mark McDonald**  
**Registered Certifier**