



Sydney Catholic Schools  
**St Anthony of Padua Catholic School  
Austral  
SSD Submission**

NCC/BCA Compliance Review

r1- ISSUE FOR APPROVAL



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## DOCUMENT REGISTER

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## INTRODUCTION

The following review of requirements has been prepared in accordance with the 'Deemed to Satisfy Provisions' of the National Construction Code 2016 – Volume One; Building Code of Australia; Class 2 to 9 Buildings.

The review confirms that the proposed design is capable of meeting the requirements of the NCC/BCA 2016, noting that areas of design will be required to be developed and refined to confirm compliance, and allow for the application for a Construction Certificate.

## NCC/BCA COMPLIANCE SCHEDULE

BCA Reference	Title	BCA Requirement	Notes
<b>A</b>	<b>GENERAL PROVISIONS</b>		
A1	Climate Zone	6	Sydney West
A3	Building Classification	Class 9b	<i>Assembly Building</i> ; including primary and secondary school.  Café area is less than 10% of the floor area of the storey, thus single classification.
<b>B</b>	<b>STRUCTURE</b>	-	Structure design to be developed and detailed in accordance with NCC Requirements for Construction Certificate (CC) Refer to Structural Engineering Design Statement, prepared by Birzulis Associates
<b>C</b>	<b>FIRE RESISTANCE AND STABILITY</b>		
C1.1	Type of Construction	Type A and Type B	2 storey; and 3 to 4 storeys
C1.3	Buildings of Multiple Classification	Not Applicable	-
C1.4	Mixed Types of Construction	Separation in accordance with C2.7	Proposed separation and construction of buildings will allow for mixed construction types
C1.10	Fire hazard properties	Compliance with Specification C1.10 required for Class 9 buildings	Selection of linings, materials and assemblies comply with Specification C1.10
C2.2	Compartmentation	Compartment Size - Floor Area – max. 8,000m <sup>2</sup> ; - Volume – max. 48,000m <sup>3</sup>	Compliant  Separation of buildings and compartmentation to provided in accordance with requirements

BCA Reference	Title	BCA Requirement	Notes
C2.6	Vertical separation of openings	Design of openings in external walls to be provided in accordance with requirements of C2.6	Detailed design to confirm compliance
C2.7	Separation by Fire Walls	Design of fire walls, if required, to be provided in accordance with requirements of C2.7	Detailed design to confirm compliance
C2.8	Separation of Classifications in same storey	Not Applicable	-
C2.9	Separation of Classifications in different storeys	Not Applicable	-
C2.10	Separation of Lift Shafts	Design of lift shaft walls for Type A construction to be provided in accordance with requirements of Specification C1.1	Detailed design to confirm compliance
C2.11	Stairways + Lifts in one shaft	Not Applicable	-
C2.12	Separation of Equipment	Not Applicable	-
C2.13	Electricity Supply System	Not Applicable	-
C3.2	Protection of Openings in external walls	Where applicable, openings in external walls are to be protected in accordance with requirements of C3.2	Detailed design to confirm compliance
C3.3	Separation of external walls and associated openings	Separation of external walls between fire compartments, and any associated openings, to be provided in accordance with Table C3.3	Detailed design to confirm compliance
C3.4	Acceptable Methods of Protection	Where openings required to be protected by Table C3.3, protection to be provided in accordance with requirements of C3.4	Detailed design to confirm compliance
C3.5	Doorways in Fire Walls	Design of doorways in fire walls, if required, to be provided in accordance with requirements of C3.5	Detailed design to confirm compliance
C3.6	Sliding Fire Doors	Design of sliding fire doors in fire walls, if required, to be provided in accordance with requirements of C3.5	Detailed design to confirm compliance
C3.7	Protection of doorways in horizontal exits	Design of doorways in horizontal exits to be provided in accordance with requirements of C3.7	Detailed design to confirm compliance
C3.8	Openings in fire isolated exits	Openings in fire isolated exits to be provided in accordance with requirements of C3.8	Detailed design to confirm compliance

BCA Reference	Title	BCA Requirement	Notes
C3.9	Service penetrations in fire isolated exits	Services must not to penetrate fire isolated exits other than exceptions defined in C3.9	Detailed design to confirm compliance
C3.10	Openings in fire isolated lift shafts	Doorways and lift indicator panels to be provided in accordance with requirements of C3.10	Detailed design to confirm compliance
C3.11	Bounding construction	Not Applicable	-
C3.12	Openings in floors and ceilings for services	Service penetrations to be provided in accordance with requirements of C3.12	Detailed design to confirm compliance
C3.13	Openings in shafts	All openings in walls to provide access to a service shaft to be provided in accordance with requirements of C3.13	Detailed design to confirm compliance
C3.15	Openings for service installations	Openings for services that penetrate a building element required to have a FRL, to be provided in accordance with requirements of C3.15	Detailed design to confirm compliance
C3.16	Construction Joints	Construction joints required to building elements required to have a FRL, to be provided in accordance with requirements of C3.16	Detailed design to confirm compliance
<b>C1.1</b>	<b>FIRE RESISTING CONSTRUCTION</b>		
3	Type A Fire Resisting Construction	Building elements to be provided in accordance with requirements of Table 3	Structure design to be developed and detailed in accordance with NCC Requirements for CC. Detailed design to confirm compliance
	External Walls	<i>Load bearing: -/-/-</i>	-
		<i>Non Load bearing -/-/-</i>	-
	External Column	<i>Load bearing: -/-/-</i>	-
		<i>Non Load bearing -/-/-</i>	-
	Common Walls and Fire Walls	<i>-/-/-</i>	-
	Internal Walls	<i>Load bearing: -/-/-</i>	-
		<i>Non Load bearing -/-/-</i>	-
	Floors	<i>-/-/-</i>	-
	Roofs	<i>-/-/-</i>	-

BCA Reference	Title	BCA Requirement	Notes
4	Type B Fire Resisting Construction	Building elements to be provided in accordance with requirements of Table 3	Structure design to be developed and detailed in accordance with NCC Requirements for CC. Detailed design to confirm compliance
	External Walls	Load bearing: -/-/- Non Load bearing -/-/-	- -
	External Column	Load bearing: -/-/- Non Load bearing -/-/-	- -
	Common Walls and Fire Walls	-/-/-	-
	Internal Walls	Load bearing: -/-/- Non Load bearing -/-/-	- -
	Roofs	-/-/-	-
<b>D</b>	<b>ACCESS + EGRESS</b>		
D1.2	Number of Exits	In addition to any horizontal exit, not less than 2 exits to be provided to each storey in a primary or secondary school with a rise in 2 storeys or more	Compliant
D1.3	Fire Isolated Stairs + Ramps	Every stairway and ramp serving as a required exit must be fire isolated when it connects, passes through or passes by more than 2 consecutive stories	Detailed design to confirm compliance
D1.4	Exit Travel Distances	Part (c) No point on a floor must not be more than 20m from an exit, or to a point in which travel to two exits is available, in which case the maximum distance to one of those existing must not exceed 40m	Compliant
D1.5	Distance between alternate exits	Part (a) Must be distributed as uniformly as practicable within or around the storey served	Compliant
		Part (b) Not less than 9m apart	Compliant
		Part (c)iii Distance between alternative exits must not exceed 60m	Compliant

BCA Reference	Title	BCA Requirement	Notes
D1.6	Dimensions of exits	Part (a) The unobstructed height must not be less than 2m, except for a doorway that may be reduced to not less than 1980mm	Detailed design to confirm compliance
		Part (b) The unobstructed width, except for doorways must not be less than 1m	Compliant
		Part (c) – more than 100, but less than 200 persons: 1m plus 250mm for each 25 persons (or part) in excess of 100	Primary School Neighbourhood 120 pax/storey = 1.25m minimum width
		Part (d) – more than 200 persons: 2m plus 500mm for each 60 persons (or part) in excess of 200	Primary School Neighbourhood 240 pax/storey = 2.5m minimum aggregate width
			Middle School Neighbourhood 480 pax/storey = 4.50m minimum aggregate width
			Senior School Neighbourhood 720 pax/storey = 6.50m minimum width
			Hall/Gymnasium 2352 pax to Ground Floor = 16.5m 700 pax to Level 1 = 6.5m
D1.7	Travel via fire isolated exits	Configuration and construction of fire isolated exits to be provided in accordance with requirements of D1.7	Detailed design to confirm compliance
D1.8	External stairways or ramps in lieu of fire isolated exits	Configuration and construction of external stairways and ramps to be provided in accordance with requirements of D1.8	Detailed design to confirm compliance
D1.9	Travel via non fire isolated exits	Configuration and construction of non-fire isolated exits to be provided in accordance with requirements of D1.9	Detailed design to confirm compliance
D1.10	Discharge from exits	Configuration and construction of point of discharge to be provided in accordance with requirements of D1.10	Detailed design to confirm compliance
D1.11	Horizontal Exits	A horizontal exit must not be counted as a required exit in a Class 9b building used	Detailed design to confirm compliance

BCA Reference	Title	BCA Requirement	Notes	
		as an early childhood centre, primary or secondary school		
D1.12	Non required stairs or ramps	(b)ii may connect any number of storeys if it is in an atrium	Compliant	
D1.13	Number of Persons accommodated	(c) Population as defined by brief	Early childhood centre	125 places
			Primary School	952 students
			Secondary School	1440 students
			Staff	200 staff
			Total Population	2717
D2.2	Fire-isolated stairways and ramps	Configuration and construction of fire-isolated stairways and ramps to of non-combustible materials; and not cause structural damage or impair the fire resistance of the shaft	Detailed design to confirm compliance	
D2.3	Non –fire-isolated stairways and ramps	Configuration and construction of non-fire isolated stairs and ramps to be provided in accordance with requirements of D2.2 or as per D2.3	Detailed design to confirm compliance	
D2.4	Separation of rising and descending stair flights	Where a stairway serving as an exit is required to be fire isolated, there must be no direct connection between a flight rising from a storey below	Detailed design to confirm compliance	
D2.5	Open access ramps and balconies	Where open access ramp or balcony is provided to meet smoke hazard management requirements of Table E2.2, configuration and construction to be in accordance with requirements of D2.5	Detailed design to confirm compliance	
D2.6	Smoke lobbies	Where a smoke lobby is required by D1.7, then configuration and construction to be in accordance with requirements of D2.6	Detailed design to confirm compliance	
D2.7	Installations in path of travel	Part (d) Electricity meters, distribution boards and telecommunication distribution equipment in a path of travel to be enclosed in non-combustible construction with doorways sealed against smoke spread.	Detailed design to confirm compliance. Doors will be fitted with smoke seals as required	



BCA Reference	Title	BCA Requirement	Notes
D2.8	Enclosure of space under stairs and ramps	Space below a fire isolated stairway or ramps must not be enclosed to form a cupboard or similar enclosed space	Detailed design to confirm compliance
		Space below a non-fire isolated stairway or ramps must not be enclosed to form a cupboard or similar enclosed space, or be constructed in accordance with requirements of D2.8 (b)	Detailed design to confirm compliance
D2.9	Width of required stairways and ramps	A required stairway or ramp that exceeds 2m in width is counted as having a width of only 2m unless divided by a continuous handrail or barrier	Detailed design to confirm compliance
D2.10	Pedestrian ramps	Not Applicable	-
D2.11	Fire-isolated passageways	A fire-isolated passageway, if required, must be provided in accordance with requirements of D2.11	Detailed design to confirm compliance
D2.12	Roof as open space	Not Applicable	-
D2.13	Goings and Risers	No more than 18 and not less than 2 risers. Risers – max 190mm; min. 115mm; Goings – max. 355mm; min. 250mm; 2R+G between 700 and 550	Detailed design to confirm compliance Stairways to be detailed in accordance with requirements of the NCC and AS1428.1
D2.14	Landings	Must not be less than 750mm long, and have a maximum gradient of 1:50.	Detailed design to confirm compliance. Landings to be detailed in accordance with requirements of the NCC and AS1428.1
D2.15	Thresholds	The threshold of a doorway must not incorporate a step of ramp at any point close than the width of a door leaf unless (c) in a building required to be accessible: it opens to a road or open space; and is provided with a threshold or step ramp in accordance with AS1428.1	Detailed design to confirm compliance. Thresholds to be detailed in accordance with requirements of the NCC and AS1428.1
D2.16	Barriers to prevent falls	(a) A continuous barrier must be provided to a trafficable surface 1m or more above the surface beneath.	-
		(b) the requirements of (a) do not apply to installations defined in D2.16(b)	-

BCA Reference	Title	BCA Requirement	Notes
		(c) a barrier required by (a) must be provided in accordance with Table D2.16a	Detailed design to confirm compliance.
D2.17	Handrails	Handrails to be provided in accordance with requirements of D2.17	Detailed design to confirm compliance. Handrails to be detailed in accordance with requirements of the NCC and AS1428.1
D2.18	Fixed platforms, walkways, stairways and ladders	Fixed platforms, walkways, stairways and ladders, where required, to be provided in accordance with requirements of D2.18	Detailed design to confirm compliance.
D2.19	Doorways and Doors	Sliding Doors forming part of a required exit must lead directly to open space and be able to be manually opened with a force of less than 110N	Detailed design to confirm compliance.
D2.20	Swinging Doors	(a) Any encroachment of swing to be less than 500mm	Detailed design to confirm compliance
		(b) must swing in the direction of egress unless serves an area less than 200m <sup>2</sup> ; or a sanitary compartment	Detailed design to confirm compliance
D2.21	Operation of latch	(a) Door must be openable by single hand downward action on single device located between 900mm and 1100mm above floor level in an area required to be accessible	Detailed design to confirm compliance
		(b) requirements of (a) do not apply for: (iii) (B) early childhood centre	Detailed design to confirm compliance
D2.22	Re-entry from fire-isolated exits	Not Applicable	-
D2.23	Signs on Doors	Signage, where required, to be provided in accordance with requirements of D2.23	Detailed design to confirm compliance
D2.24	Protection of openable windows	Window openings to be protected in accordance with requirements of D2.24, in particular for (a) ii early childhood centres, and	Detailed design to confirm compliance
D2.25	Timber Stairways	Not Applicable	-
D3.1	General Building Access requirements; and Access to buildings	Access to be provided to all areas normally used by the occupants	Detailed design to confirm compliance

BCA Reference	Title	BCA Requirement	Notes
D3.2	Access to buildings	Access ways and doorways to be provided in accordance with requirements of D3.2; and AS1428.1	Detailed design to confirm compliance
D3.3	Parts of buildings to be accessible	Ramps, stairways and lifts to be provided in accordance with requirements of D3.3; AS1428.1; and E3.6	Detailed design to confirm compliance
D3.4	Exemptions	Areas may be designated as not accessible in accordance with requirements of D3.4	-
D3.5	Parking	Minimum of 1 space per 100 or part thereof to be accessible as per Table D3.5	Compliant. 6 spaces proposed
D3.6	Signage	Sanitary Facilities, Accessible Toilets and Hearing Augmentation provision to be provided with compliant signage	Detailed design to confirm compliance Signage to be provided in detailed design where required
D3.7	Hearing Augmentation	A hearing augmentation system must be provided where an inbuilt amplification system, other than one used only for emergency warning, is installed - in a room in a class 9b building.	Detailed design to confirm compliance Hearing Augmentations System to be provided in detailed design where required
D3.8	Tactile Indicators	Tactile indicators will be provided to stairs and ramps in accordance with the requirements of the NCC, AS1428.1 and AS1428.4	Detailed design to confirm compliance
D3.9	Wheelchair seating spaces in Class 9b assembly buildings	Wheelchair spaces to be provided complying with 1428.1 and as per requirements to Table D3.9. 5 spaces required to Theatre; 38 spaces required to Hall	Detailed design to confirm compliance
D3.10	Swimming Pool	Not Applicable	-
D3.11	Ramps	Requirements for configuration of ramps and landings to be in accordance with the requirements of D3.11	Detailed design to confirm compliance
D3.12	Glazing on an accessway	Full height glazing with no chair rail, handrail or transom to be marked in accordance with AS1428.1	Detailed design to confirm compliance

BCA Reference	Title	BCA Requirement	Notes
<b>E</b>	<b>SERVICES + EQUIPMENT</b>		
E1.3	Fire Hydrants	Fire hydrant system required were building has floor area greater than 500m2	Compliant Fire Hydrant coverage provided to site and buildings
E1.4	Fire Hose Reels	(a) (iv) E1.4 does not apply to classroom and associated corridors in a primary or secondary school	Detailed design to confirm compliance
E1.5	Sprinklers	Not required as per Table E1.5, other than: - 9b; H1 Theatre to be provided with Proscenium wall compliant with Specification H1.3 - Atrium – sprinklers are required in accordance with G3.1 for atrium that connects only 3 storeys	Detailed design to confirm compliance
E1.6	Portable Fire Extinguishers	Portable Fire Extinguishers to be provided in accordance with requirements of Table E1.6	Detailed design to confirm compliance
E1.8	Fire Control Centre	Fire control Centre to be provided in a Class 9 building with a total floor area greater than 18,000m2	Detailed design to confirm compliance
E1.9	Fire Precautions during construction	Requirements to be address in Construction Management Plan	Detailed design to confirm compliance
E1.10	Provision for special hazards	Any special requirements to be identified and addressed in the development of the design.	Detailed design to confirm compliance
E2	Smoke Hazard Management		
E2.0	Deemed to Satisfy Provision	Performance requirements EP2.1 to EP2.2 are satisfied by complying with (a) (iii) a building containing an atrium, Part G3; and (a) (iv) Class 9b building, Part H1	Detailed design to confirm compliance
E2.1	Application of Part	Not Applicable	-
E2.2	General Requirements	Building must comply with requirements of E2.2 (b), (c), (d) and Table E2.2b as applicable	Detailed design to confirm compliance

BCA Reference	Title	BCA Requirement	Notes
E3.1	Lift Installations	Lift installation to be provided in accordance with requirements of Specification E3.1	Detailed design to confirm compliance
E3.2	Stretcher Facility in lift	(a) ii a stretcher facility, in accordance with requirements of E3.2(b), is required to serve any storey above an effective height of 12m in at least one of those lift	Detailed design to confirm compliance
E3.3	Warning against use of lifts in fire	Warning signage to be provided in accordance with requirements of E3.3	Detailed design to confirm compliance
E3.4	Emergency Lifts	Not Applicable	-
E3.5	Landings	Access and egress to and from lift well landings must comply with Section D	Detailed design to confirm compliance
E3.6	Passenger Lifts	Passenger lifts to be type identified in Table 3.6a; and have accessible features in accordance with Table E3.6b	Detailed design to confirm compliance
E3.7	Fire services controls	Where lifts service any storey above an effective height of 12m, a fire recall service in accordance with E3.9 is to be provided; and a lift care fire service drive control switch complying with E3.10	Detailed design to confirm compliance
E3.8	Aged care buildings	Not Applicable	-
E3.9	Fire service recall switch	Fire service recall switch to be provided in accordance with requirements of E3.9	Detailed design to confirm compliance
E3.10	Lift care fire service drive control switch	Lift care fire service drive control switch to be provided in accordance with requirements of E3.10	Detailed design to confirm compliance
E4.2	Emergency Lighting	Emergency Lighting to be provided in accordance with requirements of E4.2	Detailed design to confirm compliance
E4.3	Measurement of distances	-	-
E4.4	Design and operation of emergency lighting	Every required emergency lighting system must comply with AS2293.1	Detailed design to confirm compliance
E4.5	Exit Signage	Emergency Lighting to be provided in accordance with requirements of E4.5	Detailed design to confirm compliance
E4.6	Direction signs	Exist signs to be located in appropriate locations indicating direction to a required exit	Detailed design to confirm compliance

BCA Reference	Title	BCA Requirement	Notes
E4.7	Class 2 and 3 buildings and Class 4 parts: Exemptions	Not Applicable	-
E4.8	Design and operation of exit signs	Every required exit sign must comply with AS2293.1; or Specification E4.8	Detailed design to confirm compliance
E4.9	Sound systems and intercom systems for emergency purposes	A sound and intercom system to be provided in accordance with requirements of E4.9 and AS1670.4	Detailed design to confirm compliance
<b>F</b>	<b>HEALTH + AMENITY</b>		
F1.1	Stormwater drainage	Stormwater drainage to comply with AS/NZS3500.3	Detailed design to confirm compliance
F1.4	External above ground membranes	Not Applicable	-
F1.5	Roof Coverings	Metal Roof Sheetting to be provided in accordance with AS1562.1	Detailed design to confirm compliance
F1.6	Sarking	Sarking to be provided in accordance with AS/NZS 4200 Parts 1 or 2	Detailed design to confirm compliance
F1.7	Water proofing of wet areas in buildings	Area to be provided with Water Resistant and Waterproof construction in accordance with Table F1.7 and AS3740	Detailed design to confirm compliance
F1.9	Damp-proofing	Damp proofing to be provided in accordance with requirements of F1.9, and AS/NZS2904; or AS3660.1	Detailed design to confirm compliance
F1.10	Damp-proofing of floors on ground	Vapour barrier to be provided in accordance with requirements of F1.10, and AS2870	Detailed design to confirm compliance
F1.11	Provision of floor wastes	Not Applicable	-
F1.12	Sub floor ventilation	Not Applicable	-
F1.13	Glazed assemblies	Glazed assemblies in an external wall to be provided in accordance with requirements of F1.13, and AS2047	Detailed design to confirm compliance
F2.1	Facilities in residential buildings	Not Applicable	-
F2.2	Calculations of number of occupants and facilities	Persons accommodated must be calculated according to D1.13, and requirements of F2.2	-

BCA Reference	Title	BCA Requirement	Notes
F2.3	Facilities Required	Sanitary Facilities to be provided in accordance with requirements of F2.3, and as per Table F2.3	Detailed design to confirm compliance
F2.4	Accessible sanitary facilities	Accessible sanitary facilities to be provided in accordance with Table 2.4(a) - 1 on every storey containing a sanitary compartment; and Accessible Unisex showers in accordance with Table 2.4(b) - 1 shower for every 10 or part thereof	Detailed design to confirm compliance
F2.5	Construction of sanitary compartments	Sanitary compartments to be constructed in accordance with requirements of F2.5 (a) and (b) for Primary and Secondary school, and part (c) for early childhood centre	Detailed design to confirm compliance
F3.1	Room Heights	Classroom that accommodates not more than 100 people - 2.4m minimum height	Detailed design to confirm compliance
F4.1	Provision of natural light	Natural light to be provided to all general purpose learning areas and playrooms	Detailed design to confirm compliance
F4.2	Methods and extent of natural lighting	Windows to have an aggregate of 10% of the floor area	Detailed design to confirm compliance
F4.4	Artificial Lighting	Artificial Lighting system to be provided in accordance with AS/NZS 1690	Detailed design to confirm compliance
F4.5	Ventilation of rooms	A room occupied by a person for any purpose must have - (a) Natural ventilation; or (b) Mechanical ventilation complying with AS1668.2 & AS/NZ 3666.1	Detailed design to confirm compliance  - Learning Areas, Offices, and the like have access to natural ventilation - Amenities will be provided with a sealed ventilation system in accordance with AS1668.2 & AS/NZ 3666.1
F5	Sound Transmission and insulation	-	Refer to Acoustic Report
<b>G</b>	<b>ANCILLARY PROVISIONS</b>		
G3	Atrium Construction	Configuration and requirements of Part G3 to be determined in development of detailed design	Detailed design to confirm compliance

BCA Reference	Title	BCA Requirement	Notes
<b>H</b>	<b>SPECIAL USE BUILDINGS</b>		
H1.2	Separation	Theatre must have a sprinkler system comply with Specification E1.5; or have any stage, backstage area separated from the audience by a proscenium wall in accordance with H1.3	Detailed design to confirm compliance
H1.3	Proscenium wall construction	Wall must comply with Specification H1.3	Detailed design to confirm compliance
H1.4	Seating area	Seating configuration and aisle widths to be in accordance with requirements of H1.4	Detailed design to confirm compliance
H1.5	Exits from stages	A path of travel to an exit from a stage must not pass through a proscenium wall and required exits from backstage areas must be independent of those provided for the audience area	Detailed design to confirm compliance
H1.6	Access to platforms and lofts	A stairway to provide access to service platforms , rigging lofts or the like must comply with AS1657	Detailed design to confirm compliance
H1.7	Aisle lights	Aisles lights must be provided to illuminate full length of the aisle and tread of each step	Detailed design to confirm compliance
<b>I</b>	<b>MAINTENANCE</b>	Not Applicable	-
<b>J</b>	<b>ENERGY EFFICIENCY</b>		
J1.2	Thermal Construction - general	Insulation to be comply with AS/NZS4859.1 and be installed in accordance with requirements of J1.2	Detailed design to confirm compliance
J1.3	Roof and Ceiling Construction	R value of 3.2 Downwards; and R value of 3.7 Upwards; with a Thermal Break of R0.2 (R Value based on roofing with Solar Absorbance value of 0.0 to more than 0.6)	Detailed design to confirm compliance Roof Construction and Thermal Calculations to be provided for CC
J1.4	Roof Lights	Not Applicable	-
J1.5	Walls	R value of 2.8	Detailed design to confirm compliance Roof Construction and Thermal Calculations to be provided for CC
J1.6	Floors	Slab on Ground R value of Nil Downwards	-



BCA Reference	Title	BCA Requirement	Notes
J2	Glazing	Glazing Calculator to be prepared to demonstrate compliance with requirements of J2.4	Detailed design to confirm compliance Window Thermal Calculations to be provided for CC
J2.5	Shading	Where shading required by J2.4, it will be provided in accordance with requirements of J2.5	Detailed design to confirm compliance
J3.4	Sealing – Windows + Doors	A seal to restrict infiltration to each edge of the door, openable window or the like for the external fabric or to a habitable room	Windows and Doors to be provided with sealing as per NCC requirements
J3.5	Exhaust Fans	Where provided to a conditioned space; or habitable room, fan to be fitted with a sealing device	Detailed design to confirm compliance
J3.6	Construction of roofs, walls and floors	Roofs, ceilings, walls, floors and any opening such as a window or door frame or the like must be constructed to minimize air leakage	Detailed design to confirm compliance
J5	Air conditioning and ventilation Systems	-	Detailed design to confirm compliance  Mechanical systems, where included, will be provided in accordance with NCC requirements
J6	Artificial Light and Power Lighting	-	Detailed design to confirm compliance  Artificial Light and Power will be provided in accordance with NCC requirements
J7.2	Hot water supply	A heated water supply system for food preparation and sanitary purposes must be designed and installed in accordance with Part B2 of NCC Volume Three – Plumbing Code of Australia	Detailed design to confirm compliance
J8.2	Facilities for Energy Monitoring	A building of more than 2,500m2 must have the facility to record individually the energy consumption of: (i) air conditioning; (ii) artificial lighting; (iii) appliance power; (iv) central hot water supply; and (v) internal transport devices	Detailed design to confirm compliance