GROUPDIA



Our Ref: GDL220464.3

School Infrastructure NSW, Department of Education Attn: Anthony Manning Level 8, 259 George Street Sydney NSW 2000

> **NSW Department of Education, School Infrastructure NSW** Jindabyne Education Precinct No 8-18 Park Road, Jindabyne NSW 2627

BCA DESIGN COMPLIANCE STATEMENT (CROWN CERTIFICATE)

Further to our engagement for the abovementioned project, please find attached the Building Code of Australia (BCA) Design Compliance Review completed in respect to the proposed Construction and operation of New Educational Facility.

In reviewing the content herein, we draw particular attention to both the design documentation listed and conditions of approval listed in this statement.

In terms of the conditions of approval, the content therein reflects BCA related matters that where not fully documented or need to be complied with during the construction to achieve compliance with the referenced BCA.

The builder and the applicant need to be aware of these conditions whilst undertaking the works, as they represent items that we shall either be focusing on in the inspection or be seeking installation certificates for on completion of the works, and it is the responsibility of the applicant and builder engaged for the works to ensure these are complied with as part of the works.

Should you have any further enquiries please do not hesitate to contact Charles Slack-Smith.

Yours faithfully

Charles Slack-Smith Director

BCA DESIGN COMPLIANCE STATEMENT

PRELIMINARIES

STATEMENT NO.	GDL220464.3
Property Address	8-18 Park Road, Jindabyne NSW 2627
Client	NSW Department of Education, School Infrastructure NSW
Date	16/06/2023
Proposal	Construction and operation of New Educational Facility

DEVELOPMENT DESCRIPTION

Proposed Works	Description		
Classification(s):	9b, 5 and 7b		
Use of Building/Part:	Educational Establishment, associated office and storage areas		
	Construction and operation of a new educational facility including: Construction of school buildings ranging from 1 to 2 storeys, including:		
Subject Development Building Works:	 General and special support learning areas Staff rooms and administration office Hall Library Out of School hours care facility Landscaping works and open space improvements Parking, pick-up and set-down zones, bus zones and loading areas. Associated works including school identification signage. On-site Infrastructure and utilities 		

BASIS OF STATEMENT:

This statement is based upon: -

- The National Construction Code, Volume 1, Building Code of Australia BCA Class 2-9 Buildings 2019 Amendment 1 (BCA)
- The Design Documentation listed in this statement below

EXCLUSIONS

This statement relates only to the assessment and application of the Building Code of Australia to the proposed building works contained within the Design Documentation listed below and excludes: -

- General (non-BCA) electrical, mechanical, hydraulic building services
- · Service providers requirements relating to electricity, gas, water and telecommunications
- The regulatory compliance of existing components/areas of the premises/site unaffected by the works.
- Disability (Access to Premises Buildings) Standards 2010 compliance
- This statement relates to BCA compliance only and excludes any requirements for development consent or conditions of any approval documents, or any other form of planning or certification obligations required by the Environmental Planning and Assessment Act 1979 or any other legislation.
- Any elements the subject of the documentation relied upon, or the conditions are not the liability of Group DLA as reliance upon this documentation, certification and information in issuance of this statement.
- Excludes those items conditioned for further information or documentation as listed in Part A of this statement.

STATEMENT OF COMPLIANCE

We hereby confirm that the proposed design shall accord with the relevant principles and provisions of the Building Code of Australia 2019 Amendment 1 subject to: -

- · Compliance with the conditions of approval nominated below; and
- Reliance upon the listed documentation relied upon, listed drawings/plans
- Certification of the installation of the relevant portions on completion of the works

FIRE SAFETY SCHEDULE

Building A/E/D/F/G

Fire Safety Measure	Standard of Performance	BCA 2019 Amendment 1	Existing Fire Safety Measures	Proposed Fire Safety Measures
Automatic fire detection & alarm systems (A, D, E, F)	Clause 7 of BCA Spec E2.2a, and AS 1670.1 – 2018	FSE Report		V
Fire dampers	AS 1668.1 – 2015	C3.15		V
Fire doors	AS 1905.1 – 2015	Spec C3.4		V
Emergency lighting	AS 2293.1 – 2018	E4.2, E4.4		V
Exit signs	AS 2293.1 – 2018	E4.5, NSW E4.6 & E4.8, EP4.2		\checkmark
Fire hydrant systems	AS 2419.1 – 2005	E1.3 & FSE Report		V
Fire hose reels	AS2441 – 2005	E1.4, EP1.1		\checkmark
Fire seals (protecting openings in fire resisting components of the building)	AS 4072.1 – 2005 AS 1530.4 – 2014	C3.12, C3.13, C3.15		V
Lightweight construction		C1.8, Spec C1.8 & FSE Report		V

Fire Safety Measure	Standard of Performance	BCA 2019 Amendment 1	Existing Fire Safety Measures	Proposed Fire Safety Measures
Mechanical air handling systems (Smoke Detection Auto Shutdown all buildings).	AS 1670.1-2018	E2.2, Clause 6 of Spec E2.2a, Clause E2.2(b)		V
Portable fire extinguishers	AS 2444 – 2001	E1.6		
Warning and operational signs		E3.3 (lift) & FSE Report		\checkmark
No Storage Zone (6m) between Block A/D and E/F		FSE Report		
Performance Solutions from the FER, Ref. No. SYD000573-FER01 Revision D, prepared by Credwell Performance Pty Ltd, dated 28/04/2023	-	CP1, CP2, DP1, DP4, DP5, DP6, EP1.3, EP2.2,		V

Building B

Fire Safety Measure	Standard of Performance	Clauses	Existing Fire Safety Measures	Proposed Fire Safety Measures
Automatic fire detection & alarm systems for Auto Shutdown	AS 1670.1 – 2018	NSW Table E2.2b, Claude 6 of BCA Spec E2.2a		
Emergency lighting	AS 2293.1 – 2018	E4.2, E4.4		\checkmark
Exit signs	AS 2293.1 – 2018	E4.5, NSW E4.6 & E4.8, EP4.2		V
Fire hydrant systems	AS 2419.1 – 2005	E1.3, EP1.3		
Lightweight construction		C1.8, Spec C1.8		\checkmark
Mechanical air handling systems: Auto Shutdown (if ducted AC proposed only)	AS 1670.1-2018	E2.2, Clause 6 of Spec E2.2a, Clause E2.2(b)		V
Portable fire extinguishers	AS 2444 – 2001	E1.6		\checkmark
Performance Solutions from the FER, Ref. No. SYD000573-FER01 Revision D, prepared by Credwell Performance Pty Ltd, dated 28/04/2023	-	CP1, CP2, DP1, DP4, DP5, DP6, EP1.3, EP2.2,		V

DESIGN DOCUMENTATION

The following architectural documentation was reviewed as part of this assessment;

Drawing No.	Titled	Prepared by	Revision	Dated
00_012	Proposed Site Plan	Pedavoli Architects	С	17/05/2023
00_251	Walkways – Ground Floor Plan	Pedavoli Architects	В	03/03/2023
00_252	Walkways – First Floor Plan	Pedavoli Architects	В	03/03/2023
00_253	Walkways – Roof Plan	Pedavoli Architects	В	03/03/2023
00_254	Walkways – Sections – Sheet 1	Pedavoli Architects	В	03/03/2023
00_255	Walkways – Sections – Sheet 02	Pedavoli Architects	В	03/03/2023
01_011	Block A – Ground Floor Plan	Pedavoli Architects	D	03/03/2023
01_012	Block A – First Floor Plan	Pedavoli Architects	D	03/03/2023
01_501	Block A – Ground Floor – Furniture Plan	Pedavoli Architects	В	03/03/2023
01_502	Block A – First Floor – Furniture Plan	Pedavoli Architects	В	03/03/2023
01_721	Block A – Stair 01 Details	Pedavoli Architects	С	03/03/2023
01_722	Block A – Stair 02 Details	Pedavoli Architects	D	03/03/2023
02_011	Block B2 & B3 – Ground Floor Plan – Part 1	Pedavoli Architects	С	03/03/2023
02_012	Block B1 – Ground Floor Plan Part 2	Pedavoli Architects	D	03/03/2023
02_501	Block B2 & B3 – Ground Floor Furniture Plan – Part 1	Pedavoli Architects	В	02/03/2023
02_502	Block B1 – Ground Floor Furniture Plan – Part 2	Pedavoli Architects	В	02/03/2023
03_011	Block C2 – Ground Floor Plan – Part 1	Pedavoli Architects	С	03/03/2023
03_012	Block C1 – Ground Floor Plan – Part 2	Pedavoli Architects	С	03/03/2023
03_501	Block C2 – Ground Floor Furniture Plan – Part 1	Pedavoli Architects	В	03/03/2023
03_502	Block C1 – Ground Floor Furniture Plan – Part 2	Pedavoli Architects	В	03/03/2023
04_011	Block D – Lower Ground Floor	Pedavoli Architects	D	03/03/2023
04_012	Block D – Ground Floor Plan	Pedavoli Architects	D	03/03/2023
04_013	Block D – First Floor Plan	Pedavoli Architects	D	03/03/2023
04_501	Block D – Ground Floor – Furniture Plan	Pedavoli Architects	С	03/03/2023
04_502	Block D – First Floor – Furniture Plan	Pedavoli Architects	С	03/03/2023

04_721				
04_721	Block D – Stair 01 Details	Pedavoli Architects	С	03/03/2023
04_722	Block D – Hall Stair & Ramp Details	Pedavoli Architects	С	03/03/2023
05_011	Block E – Ground Floor Plan	Pedavoli Architects	D	03/03/2023
05_012	Block E – First Floor Plan	Pedavoli Architects	С	03/03/2023
05_501	Block E – Ground Floor – Furniture Plan	Pedavoli Architects	В	03/03/2023
05_502	Block E – First Floor – Furniture Plan	Pedavoli Architects	В	03/03/2023
07_011	Block G1 – Ground Floor Plan – Part 1	Pedavoli Architects	D	03/03/2023
07_012	Block G2 – G3 – Ground Floor Plan – Part 2	Pedavoli Architects	С	03/03/2023
07_013	Block G1 – First Floor Plan – Part 1	Pedavoli Architects	D	03/03/2023
07_014	Block G2 – First Floor Plan – Part 2	Pedavoli Architects	С	03/03/2023
07_501	Block G1 – Ground Floor – Furniture Plan – Part 1	Pedavoli Architects	В	03/03/2023
07_502	Block G2 – G3 Ground Floor Furniture Plan – Part 2	Pedavoli Architects	В	03/03/2023
07_503	Block G1 – First Floor – Furniture Plan – Part 1	Pedavoli Architects	В	03/03/2023
07_504	Block G2 – First Floor – Furniture Plan Part 2	Pedavoli Architects	В	03/03/2023
07_721	Block G – Stair Details	Pedavoli Architects	С	03/03/2023
80_401	Typical Stair, Handrail & Balustrade Details – Sheet 01	Pedavoli Architects	В	03/03/2023
80_402	Typical Stair, Handrail & Balustrade Details – Sheet 02	Pedavoli Architects	В	03/03/2023
80_403	Typical Stair, Handrail & Balustrade Details – Sheet 03	Pedavoli Architects	В	03/03/2023
80_404	Typical Stair, Handrail & Balustrade Details – Sheet 04	Pedavoli Architects	В	03/03/2023
80_451	Site Stair Details – Block D	Pedavoli Architects	С	03/03/2023
80_452	Site Stair Details – Block E & F	Pedavoli Architects	D	03/03/2023

SUPPLEMENTARY DOCUMENTATION

The following additional documentation was reviewed as part of this assessment, and has been relied upon in confirming compliance for those elements listed / certified or confirmed as compliant;

- Information Document for Crown Certificate issued by Robin Roy od NSW Department of Education, dated 28/10/2022
- Architectural Design Statement issued by Andrew McGrath of Pedavoli Architects, dated 06/03/2023
- Fire Engineering Report Reference No. SYD000573-FER01 Revision D issued by Will Marshall of Credwell Performance, dated 28/04/2023
- Design Certificate for Fire Services issued by Jiangzuo Qian of N2 Engineering Consultants, dated 09/05/2023
- Access Design Review Report Revision C issued by Elisa Moechtar of Group DLA (NSW) Pty Ltd, dated 07/06/2023
- Accessibility Compliance Statement issued by Elisa Moechtar of Group DLA (NSW) Pty Ltd, dated 07/06/2023
- Bush Fire Risk Assessment Report Revision 1.0 issued by Lew Short of Black Ash Bush Fire Consulting, dated 30/10/2022
- Design Statement for Electrical Services issued by Zoica Stancu of Star Electrical Co Pty Ltd, dated 12/05/2023
- Biodiversity Management Plan Revision D issued by Toby Lambert of WSP, dated 24/05/2023
- Design Statement for Waste Storage issued by Andrew McGrath of Pedavoli Architects, dated 15/03/2023

Information previously relied upon in Crown Certificate GDL220464.2, dated 02/02/2023

- Information Document for Crown Certificate issued by Anthony Manning of NSW Department of Education, School Infrastructure NSW, dated 28/10/2022
- External Walls and BCA Design Statement issued by Andrew McGrath of Pedavoli Architects, dated 19/01/2023
- Design Certificate for Hydraulic Services issued by Laurent Laberibe and Sath Dashidaran of Norman Disney and Young, dated 18/01/2023
- Design Certificate for Mechanical Services issued by Laurent Laberibe and Rhys Baynham of Norman Disney and Young, dated 18/01/2023
- Design Certificate for Electrical Services issued by Laurent Laberibe and Jarrad Underwood of Norman Disney and Young, dated 31/01/2023
- Design Certificate for Fire Protection issued by Peter Lycakis of Norman Disney and Young, dated 31/01/2023
- Architectural Specification Project No. 3332 for Jindabyne Education Campus issued by Perumal Pedavoli Pty Limited, dated 19/01/2023
- Conformity of Certificate No. CM20198 for Cemintel Barestone Walling System issued by Calin Moldovean of SAI Global Certification Services Pty Limited, dated 27/01/2022
- Conformity of Certificate No. CM20198 for Cemintel Barestone Walling System issued by Heather Mahon of SAI Global Certification Services Pty Limited, dated 17/03/2020
- Conformity of Certificate No. CM20199 for Cemintel Surround Walling System issued by Heather Mahon of SAI Global Certification Services Pty Limited, dated 27/01/2022
- Conformity of Certificate No. CM40221 Rev1 for Exotec Façade Panel and Fixing System issued by John Thorpe of Cert Mark International, dated 20/08/2018
- Group Number Assessment No. 18-001335 for 2mm Wallflex Vinyl Wall Cladding issued by Chris Campbell of AWTA, dated 20/03/2018
- Test Report No. 16-005031 for Forbo Sphera Homogeneous Vinyl Flooring issued by Michael A. Jackson of AWTA Limited, dated 18/10/2016
- Letter Referencing Condition B37 Crime Prevention Through Environmental Design (CPTED) issued by Andrew McGrath of Pedavoli Architects, dated 16/12/2022

- Letter Referencing Condition A19 Minor Changes to the Colour/Finish of Approved External Materials issued by Andrew McGrath of Pedavoli Architects, dated 16/12/2022
- Letter Referencing Condition B4 External Wall Combustibility issued by Andrew McGrath of Pedavoli Architects, dated 16/12/2022
- Section J Design Statement issued by Andrew McGrath of Pedavoli Architects, dated 16/12/2022
- NCC Section J JV3 Report Reference No. SY221264 for Jindabyne Education Campus, Revision No. 4 issued by R. McShane of Northrop Consulting Engineers Pty Ltd, dated 13/01/2023
- Structural Certificate Reference No. SY221264-00-CTST04-2 (Rev 1) for SSDA No. 15788005 issued by Jonathan Low of Northrop Consulting Engineers Pty Ltd, dated 19/01/2023
- Product Guide for Group 1 Fire Rating for Clear FR and Designer Ply Birch for Pre-Finished Panels for Wall and Ceiling Linings issued by Forest One Australia Pty Ltd
- Product Specification Sheet for Water Yuludarla (Org18 Base) issued by Milliken-Ontera (Australia) Pty Ltd, dated 05/05/2020
- Product Specification Sheet for Sandhills (Org18 Base) issued by Milliken-Ontera (Australia) Pty Ltd, dated 16/08/2022
- Safety Product Catalogue for Luminance Contrast Testing of Latham Tread Insert Infills issued by Latham Asbra Safety Flooring Products
- Fire Engineering Report No. SYD000573-FER01 for Jindabyne Education Campus, Revision No. B issued by Will Marshall of Credwell Performance Pty Ltd, dated 18/01/2023
- FP1.4 Performance Based Design Brief Reference No. PDB-FAC-JIN-001 Rev A issued by Mladen Dzinkic of WSP Australia Pty Ltd, dated 20/01/2023
- BCA Report issued by Group DLA, issued and dated 16/11/2022
- Disabled Access Accessibility Compliance Statement, issued by Group DLA Access, dated 1/02/2023
- Access Design Report, issued by Group DLA Access, Revision B, dated 1/02/2023

Information previously relied upon in Crown Certificate GDL220464.1, dated 05/12/2022

- Crown Certificate Application Form issued by Anthony Manning of NSW Department of Education, School Infrastructure NSW, dated 28/10/2022
- Design Certificate for Fire Protection Services Fire Hydrant System and Fire Detection and Alarm System issued by Peter Lycakis of NDY, dated 01/12/2022
- Design Certificate for Electrical Services Outdoor Lighting (Condition B11) issued by Laurent Laberibe of NDY, dated 01/12/2022
- Design Certificate for Hydraulic Services Water Services, Sanitary Plumbing and Drainage, Stormwater and Heated water and associated plans issued by Laurent Laberibe of NDY, dated 01/12/2022
- Letter referencing Fire Engineer Brief Questionnaire (FEBQ) in relation to Checklist Item 2 issued by Jim Lewis of School Infrastructure NSW, dated 01/12/2022
- Letter of Confirmation of Population Numbers issued by Jim Lewis of School Infrastructure NSW, dated 01/12/2022
- Civil Engineering Drawings issued by Northrop
- Structural Drawings issued by Northrop
- Design Compliance Statement Aviation Safeguarding in relation to Condition B13 issued by Dr Peter Georgiou of SLR, dated 01/12/2022
- Acoustic Design Certification is relation to Condition B24 issued by Ben White of Pulse White Noise Acoustics, dated 28/10/2022
- Acoustic Design Report Reference No. 220532_JEC_ Acoustic Design Report, DD-R1 issued by Ben White of Pulse White Noise Acoustics, dated 24/11/2022

- Structural Design Certification issued by Jonathan Low from Northrop, dated 05/12/2022.
- Architectural Design Statement issued by Andrew McGrath from Pedavoli Architects, dated 05/12/2022
- Section J Report issued by Owen Fung from Northrop, dated 25/11/2022.
- Fire Safety Strategy issued by Jupiter Segall-Brown from Credwell, dated 05/12/2022.

Information previously relied upon in Crown Certificate GDL220464, dated 09/11/2022

- Information Document for Crown Certificate issued by Anthony Manning of NSW Department of Education, School Infrastructure NSW, dated 28/10/2022
- Site Demolition Plan, Reference No.22-086, Revision No.01 issued by Aitken, dated 31/10/2022
- Biodiversity Management Plan, Revision No. B issued by Selga Harrington of WSP, dated 21/10/2022
- Construction Noise and Vibration Management Sub Plan, Report No. 220532-JEC-CNVMSP-R0, Revision No. Issue 1 issued by Ben White of Pulse White Noise Acoustics Pty Ltd, dated 26/09/2022
- Letter Confirming Condition Consent Item No. 5 Height Survey issued by Emily Dzinkic of Hansen Yuncken, dated 27/10/2022
- Letter Confirming Condition Consent Item No. B15 Construction Environmental Management Plan issued by Emily Dzinkic of Hansen Yuncken, dated 03/11/2022
- Letter Confirming Condition of Consent Item A,2 Site Plan; Item B, A Condition 19 External Materials & Finishes and Item B, R Condition B37 Crime Prevention Through Environmental Design issued by Andrew McGrath of Pedavoli Architects Pty Ltd, dated 31/10/2022
- Letter Confirming Condition of Consent Item B32 Bush Fire Protection issued by Lew Short of Blackash, dated 02/11/2022
- Letter Confirming Request for Tender Issued to all Tenders on the 28/04/2022 issued by Jim Lewis of Schools Infrastructure NSW, dated 03/11/2022
- Structural Certificate for Early Works issued by Jonathan Low of Northrop Consulting Engineers Pty Ltd, dated 03/11/2022
- Letter Confirming Condition B12 Demolition Management Plan issued by Alexander Aitken of Aitken Civil Engineering Pty Ltd, dated 31/10/2022
- Letter Confirming Condition B8 Vibration Survey issued by Alexander Aitken of Aitken Civil Engineering Pty Ltd, dated 31/10/2022
- Compliance Certificate for Civil Engineering issued by Stephen Fryer of Northrop Consulting Engineers, dated 03/11/2022
- Design Certificate for Hydraulic Services issued by Lauren Laberibe of Norman Disney & Young, dated 03/11/2022

CONDITIONS OF APPROVAL

PART A - CONDITIONS OF CONSTRUCTION

BCA CLAUSE	Comments
BCA 2019 Amend 1	The construction works must be undertaken and installed in accordance with the requirements of BCA 2019 Amendment 1 and any referenced Australian Standards in BCA 2019 Amendment 1.
C1.10	Materials must have fire hazard properties in accordance with BCA Specification C1.10 as follows: - • Floor Coverings (i) a critical radian flux not less than 2.2kW/m² for non-sprinkler protected buildings (ii) a maximum smoke development rate of 750 percent minutes • Internal Wall and Ceiling linings (i) a group number of 1 or 2; and (ii) a smoke growth rate index of not more than 100; or (iii) an average specific extinction area less than 250m2/kg • Air handling ductwork (i) Rigid and flexible ductwork must comply with the fire hazard properties set out in AS 4254 – 1995 Note: BCA referenced has specific Australian Standards that must be complied with in determining the above requirements, consult BCA Spec C1.10 to establish the relevant testing requirements prior to specifying, ordering or installing finishes.
C3.15	Fire Seals to Services and other Penetrations (Penetrations to fire rated walls, floors, ceilings, shafts or the like) – Any fire seals, fire dampers, fire collars or the like are to be provided and installed to achieve compliance with BCA Clause C3.15, and the referenced Australian Standards in the BCA.
D1.6 & D1.10	Paths of travel to and from exits of the building/s and external egress must have a clear width of no less than 1000mm (850mm for doorways/gates), not be obstructed and have paths and grades of 1:8 or flatter (or 1:14 or flatter if also used for Disabled Access) in compliance with BCA requirements, this includes external pathways and areas of the site between the exit discharge and the road/street.
D2.21	All door latching mechanisms to be located between 900-1100mm from the finished floor level.
Fire Services	Any Fire Services under Part, C, D or E of the BCA must be undertaken in accordance with the listed standards of performance and BCA clause requirements of the Fire Safety Schedule.
D2.24	Protection of openable windows - Sill heights to windows serving rooms with a floor height above 4m to external Finished Ground level are to be constructed to achieve compliance with BCA Clause D2.24
Bushfire	Bushfire - the Building works are to be constructed to achieve compliance with AS 3959-2018 and the requirements of the Planning for Bushfire protection requirements, on completion a Bushfire Consultant is to inspect and issue a post construction Bushfire compliance statement to confirm compliance.
FP1.4 Weatherproofing	External Walls FP1.4 Weather proofing - the external walls are excluded by this Crown BCA Certificate, a FP1.4 report for the Workshop plans is to be provided prior to construction of any part of the external walls, and the report is to be a Performance Solution report that confirms compliance of the proposed design to the requirements of Performance Clause FP1.4 of BCA 2019 Amendment 1.

This statement confirms compliance of the Design to BCA 2019 Amendment 1 for the proposed works and is reliant upon the listed documentation, design certification and plans referenced, as well as compliance with the conditions of this document.

Charles Slack-Smith

Director