

# BCA Crown Certificate

Pursuant to Section 6.28 of the Environmental Planning & Assessment Act 1979

<b>Certificate No.</b>	CRO - 23064	
<b>Date of Certificate</b>	24 July 2023	
<b>+ Subject Land</b>		
<b>Lot + DP</b>	Lot 101	DP 1119583
<b>Address</b>	Westmead Childrens Hospital 178 Hawkesbury Road, Westmead NSW 2145	
<b>Local Government Area</b>	City of Parramatta Council	
<b>+ Applicant</b>		
<b>Name</b>	Hossein Bidgoli	
<b>Company</b>	Health Infrastructure NSW	
<b>Address</b>	Level 14, 77 Pacific Highway, North Sydney NSW 2060	
<b>Phone</b>	0434 396 535	<b>Email</b> Hossein.bidgoli@health.nsw.gov.au
<b>+ Owner</b>		
<b>Name</b>	Health Infrastructure NSW	
<b>Address</b>	Level 14, 77 Pacific Highway, North Sydney NSW 2060	
<b>Phone</b>	0434 396 535	<b>Email</b> Hossein.bidgoli@health.nsw.gov.au
<b>+ Description of Development</b>		
<b>Description</b>	<p>The Children's Hospital at Westmead - Paediatric Services Building comprising:</p> <ul style="list-style-type: none"> <li>+ Demolition, earthworks, remediation and tree removal</li> <li>+ Construction and operation of a 14 level Paediatric Services Building</li> <li>+ Extension of the existing medical gas compound</li> <li>+ Weather protection awning and pedestrian connections to the adjacent Central Acute Services Building and Kids Research Building</li> <li>+ Expansion and refurbishment of the pathology building</li> <li>+ Retails pods, landscaping, public domain works and signage zones.</li> </ul> <p><b>Stage 5.2 Crown Certificate</b> – Balance of building works associated with the Pathology Expansion including installation of the roof, façade covering, installation of building services and internal fitout works.</p> <p>1. This staged BCA Crown Certificate has been issued for the building works described above only. Separate BCA Crown Certificate/s will be required prior to commencement of any subsequent works.</p> <p>2. This BCA Crown Certificate excludes any external ancillary services, structures or civil works required by relevant authorities.</p>	
<b>BCA Classification</b>	Class 5 & 9a	
<b>Applicable BCA</b>	Building Code of Australia 2019 (Amendment 1)	
<b>Development Consent</b>	Consent Number: SSD-10349252	Date: 17.12.2021
<b>Statutory Certification</b>	Pursuant to the provisions of Section 6.28 of the Environmental Planning and Assessment Act 1979, Blackett Maguire + Goldsmith Pty Ltd hereby certifies that the building works have been designed in accordance with the Building Code of Australia 2019 (Amendment 1), subject to the attached Conditions.	
<b>Referenced Documentation</b>	Refer to Schedule 1	
<b>Conditions and Exclusions</b>	Refer to Schedule 2	
<b>Fire Safety Schedule</b>	Refer to Schedule 3	

**+ Details of Crown Certifier**

**Crown Certifier** Blackett Maguire + Goldsmith Pty Ltd

**Registration Number** RBC00004

**Signature**

**Signed on Behalf of BM+G** David Blackett

Registration Number: BDC0032

Liability limited by a scheme approved under Professional Standards Legislation

## + Schedule 1 – Schedule of Documentation

### Referenced Plans

#### + Architectural Plans prepared by Congrad Gargett

+ Drawing Number	+ Rev	+ Date	+ Drawing Number	+ Rev	+ Date
CHW-RFB-CG-MS5-1000	3	16 June 2023	CHW-RFB-CG-MS5-0200	2	16 June 2023
CHW-RFB-CG-MS5-2000	3	16 June 2023	CHW-RFB-CG-MS5-2100	3	16 June 2023
CHW-RFB-CG-MS5-2301	5	22 June 2023	CHW-RFB-CG-MS5-2302	4	20 June 2023
CHW-RFB-CG-MS5-2400	3	16 June 2023	CHW-RFB-CG-MS5-2501	3	22 June 2023
CHW-RFB-CG-MS5-2502	3	22 June 2023	CHW-RFB-CG-MS5-2601	2	16 June 2023
CHW-RFB-CG-MS5-2602	2	16 June 2023	CHW-RFB-CG-MS5-2900	2	16 June 2023
CHW-RFB-CG-MS5-2901	2	16 June 2023	CHW-RFB-CG-MS5-3000	1	16 June 2023
CHW-RFB-CG-MS5-3500	3	16 June 2023	CHW-RFB-CG-MS5-4000	2	16 June 2023

### Documentation Relied Upon

In conjunction with the approved plans and specifications the following documentation was relied upon in issuing the BCA Crown Certificate:

#### + Documentation:

+ Item	+ Documentation	+ Prepared by	+ Date
1.	Letter requesting the issue of a Staged Crown Certificate	Kane Constructions Pty Ltd	27 May 2023
2.	Fire Engineering Report No. 417974 (1)	Mott MacDonald Australia Pty Limited	24 May 2023
3.	Design Endorsement Certificate for: + Automatic Fire Suppression System + Fire Hydrants + Fire Hose Reels	Wormald	14 June 2023
4.	Design Endorsement Certificate for: + Automatic Fire Detection & Alarm System + Building Occupant Warning System	Wormald	14 June 2023
5.	Fire Services Plan Nos. WOR-CHW-FR-DG-RFB-10-02003 & WOR-CHW-FR-DG-RFB-10-02006	Arup	23 February 2022 & 27 May 2022
6.	Fire Hydrant & Fire Hose Reel Coverage Plan	Wormald	17 March 2023
7.	Fire Services Specification - Preliminaries	Arup	27 May 2022
8.	Fire Services Specification - Particulars	Arup	27 May 2022

+ Item	+ Documentation	+ Prepared by	+ Date
9.	Fire Services Specification - Materials and Workmanship	Arup	27 May 2022
10.	Structural Design Statement	Dunnings Consulting Engineers	07 July 2023
11.	Mechanical Design Statement	Austral Air Conditioning Pty Ltd	24 July 2023
12.	Mechanical Design Statement – DtS Compliance	Austral Air Conditioning Pty Ltd	30 May 2023
13.	Electrical Services Design Statement	Fredon Industries Pty Ltd	20 July 2023
14.	Hydraulic Design Statement	Harris Page & Associates Pty Limited	24 July 2023
15.	Statement of Compliance – Part J1	JHA Consulting Engineers	06 June 2023
16.	Section J1 & J3 Design Statement	JHA Consulting Engineers	19 June 2023
17.	Architectural Design Statement	Conrad Gargett Group Pty Ltd	19 July 2023
18.	Architectural Design Statement – Primary Building Elements	Conrad Gargett Group Pty Ltd	14 June 2023
19.	Architectural Design Statement – External Finishes	Conrad Gargett Group Pty Ltd	19 July 2023
20.	Architectural Design Statement - Non-Combustibility of External Walls	Conrad Gargett Group Pty Ltd	16 June 2023
21.	Architectural Design Statement – Façade Design	Conrad Gargett Group Pty Ltd	24 July 2023
22.	Architectural Design Statement – Acoustic Report	Conrad Gargett Group Pty Ltd	21 June 2023
23.	Architectural Specification (Revision A)	Conrad Gargett Group Pty Ltd	July 2023
24.	Statement confirming use of existing Stormwater and Civil Systems	Kane Constructions Pty Ltd	27 May 2023
25.	Statement regarding ESD Compliance	Kane Constructions Pty Ltd	27 May 2023
26.	Statement regarding Flood Compatible Building Materials	Kane Constructions Pty Ltd	27 May 2023
27.	Statement regarding 1% Annual Exceedance Probability Flood Levels	Kane Constructions Pty Ltd	27 May 2023
28.	Statement regarding provision of Outdoor Lighting	Kane Constructions Pty Ltd	27 May 2023
29.	Building Fabric Schedule	Conrad Gargett Group Pty Ltd	05 July 2023
30.	Long Service Levy Payment Receipt No. L0000112991	Long Service Corporation	28 April 2023
31.	Statement regarding Long Service Levy Payment	Kane Constructions Pty Ltd	27 May 2023

## + Schedule 2 – Conditions and Exclusions

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This Crown Certificate has been issued subject to the following conditions:

1. This Crown Certificate does not certify compliance with the Conditions of the Development Consent No. 10349252 dated 17 December 2021. The building works should not commence until the Crown is satisfied that the relevant conditions of the Development Consent that are a pre-requisite to commencement have been appropriately addressed where relevant.
2. The following Crown Certification items are to be submitted to BM+G within a period not exceeding ten (10) business days from the date of this Staged Crown Certificate:
  - Submission of a Schedule of External Finishes and Materials
  - Submission of an Architectural Design Statement
  - Submission of an External Wall Systems Disclosure Statement
  - Submission of Fire Services (Smoke Control System) Plans
  - Submission of Fire Services (Smoke Control System) Specifications
  - Submission of a Design Endorsement Certificate (Smoke Control System)
  - Submission of a Statement from Health Infrastructure regarding their review and acceptance of the Fire Engineering Report
  - Submission of verification from the LHD or End User that a person with a disability would not be required to work within the Pathology Laboratory Space/
3. There is to be no impact, disruption, impediment or modification to existing active or passive fire safety systems or egress arrangements within the existing hospital building as a direct or indirect result of the proposed works without prior consultation and approval by the LHD (as applicable) and the crown certifier (BM+G).
4. Demolition works are to be undertaken in accordance with the documentation listed in Schedule 1 & AS 2601-2001.
5. Where the proposed demolition works necessitate the isolation and/or decommissioning of any existing fire services, particularly the fire hydrant system or the sprinkler system, then Fire & Rescue NSW and any relevant insurance providers should be notified prior to de-commissioning and/or isolation of the system.
6. No approval is given nor implied for the construction of works beyond the scope specifically approved by this Staged Crown Certificate.
7. All building works associated with the subject development are to be carried out in accordance with the approved documentation listed above in Schedule 1.
8. Any departure from the documentation cannot be undertaken without the review and approval by Blackett Maguire + Goldsmith.
9. Where there is any conflict between the Design Documentation and the advice provided by Blackett Maguire + Goldsmith, the advice issued takes precedence unless approved by Blackett Maguire + Goldsmith.
10. Any changes to the Architectural Documentation that may affect compliance with the Building Code of Australia or the referenced Australian Standards are to be appropriately disclosed to Blackett Maguire + Goldsmith for review.

11. Blackett Maguire + Goldsmith is to be contacted throughout the project for routine site inspections to ensure that the works are being carried out in accordance with the approved documentation.
12. The Fire Safety Engineer is to be contacted throughout the project for routine site inspections to ensure that the works are being carried out in accordance with the approved documentation.

## + Schedule 3 – Fire Safety Schedule

Owner	Health Infrastructure NSW
Subject Property	Westmead Childrens Hospital 178 Hawkesbury Road, Westmead
BCA Crown Certificate No.	CRO - 23064

The following essential fire safety measures shall be implemented in the whole of the building premises and each of the fire safety measures must satisfy the standard of performance listed in the schedule, is deemed to be the current fire safety schedule for the building.

### Schedule

+ Statutory Fire Safety Measure	+ Design/Installation Standard	+ Existing	+ Proposed
Alarm Signalling Equipment	AS 1670.3 – 2018	✓	
Automatic Fail-Safe Devices	BCA Clause D2.19, D2.21	✓	
	BCA Clause D2.21		✓
Automatic Fire Detection & Alarm System	AS 1670.1 - 1986 AS1670.1 - 1995	✓	
	BCA Spec. E2.2a AS 1670.1 – 2018		✓
Automatic Fire Suppression Systems	BCA Spec. E1.5 AS 2118.1 – 2017 Fire Engineering Report No. 417974 (Revision 1) prepared by Mott McDonald dated 24 May 2023		✓
Building Occupant Warning System activated by the Sprinkler System	AS 1670.1 - 1986 AS1670.1 - 1995	✓	
	BCA Spec. E1.5, Clause 8 AS 1670.1 – 2018, Clause 3.22 Fire Engineering Report No. 417974 (Revision 1) prepared by Mott McDonald dated 24 May 2023		✓
Emergency Lifts	BCA Clause E3.4	✓	
Emergency Lighting	BCA Clause E4.2, E4.4 AS 2293.1 - 1995	✓	
	BCA Clause E4.4 AS 2293.1 – 2018		✓

Emergency Evacuation Plan	AS 3745 - 2002	✓	
	AS 3745 - 2010		✓
Exit Signs	BCA Clause E4.5, E4.6, E4.8 AS 2293.1 - 19995	✓	
	BCA Clauses E4.5, E4.6 & E4.8 AS 2293.1 – 2018		✓
Fire Blankets	BCA Clause E1.6 AS 3504 – 2006 & AS 2444 – 2001	✓	✓
Fire Dampers	Ordinance 70 Part 21.13 BCA Clause C3.15 AS 1668.1 – 1991	✓	
	BCA Clause C3.15 & Spec. C2.5 AS 1668.1 – 2015 AS 1682.1 & 2 – 2015 Manufacturer's specifications		✓
Fire Doors	Ordinance 70 Parts 22.6 & 22.7 AS 1905.1 – 1986 AS 1905.1 – 19997 AS 1905.1 - 2005	✓	
	BCA Clauses C3.5, C3.7 AS 1905.1 – 2015 Manufacturer's specifications Fire Engineering Report No. 417974 (Revision 1) prepared by Mott McDonald dated 24 May 2023		✓
Fire Hose Reels	Ordinance 70 Part 27.2, Ministerial Spec. 10 AS 2441 - 1988	✓	
	BCA Clause E1.4 AS 2441 – 2005		✓
Fire Hydrant Systems	Ordinance 70 Part 27.3, Ministerial Spec. 10	✓	
Fire Seals	Ordinance 70 Part 22.13 BCA Clause C3.15	✓	
	BCA Clause C3.15 AS 1530.4 – 2014 & AS 4072.1 – 2005 Manufacturers' specifications		✓
Lightweight Construction	Ordinance 70 Part 17.3	✓	
	BCA Clause C1.8 AS 1530.4 – 2014 Manufacturer's specifications		✓
Manual Call Points	BCA Spec. E2.2a AS 1670.1 – 2018		✓



	Fire Engineering Report No. 417974 (Revision 1) prepared by Mott McDonald dated 24 May 2023		
Mechanical Air Handling Systems (Shutdown)	Ordinance 70 Parts 50 and 60 AS 1668.1 - 1991	✓	
	BCA Clause E2.2 AS/NZS 1668.1 – 2015 & AS 1668.2 – 2012		✓
Portable Fire Extinguishers	BCA Clause E1.6 AS 2444 - 1995	✓	
	BCA Clause E1.6 AS 2444 – 2001		✓
Required Exit Doors (power operated)	BCA Clause D2.19(b)	✓	
Smoke Hazard Management Systems (Zone Pressurisation System)	AS 1668.1 - 1991	✓	
	BCA Part E2 AS/NZS 1668.1 – 2015		✓
Smoke Dampers	Ordinance 70 Part 21.13 BCA Clause C3.15 AS 1668.1 – 1991	✓	
	AS/NZS 1668.1 – 2015		✓
Smoke Doors	Ordinance 70 Part 21.3	✓	
	BCA Spec C3.4 & C2.5 Fire Engineering Report No. 417974 (Revision 1) prepared by Mott McDonald dated 24 May 2023		✓
Wall-Wetting Sprinklers	BCA Clause C3.4 AS 2118.2 – 1995	✓	
Warning & Operational Signs	BCA Clauses D2.23, E3.3 EPA Reg. 2000 Part 9 Div. 7	✓	
	EP&A (DC&FS) Reg. 2021 Section 108 BCA Clauses D3.6, D2.23, D3.6, AS 1905.1 – 2015 Fire Engineering Report No. 417974 (Revision 1) prepared by Mott McDonald dated 24 May 2023		✓
Performance Solutions relating to : + Timber noggins located within fire walls. + Omission of vertical separation between Level 02 and Level 03 of Block 5 + Protection of Openings in External Walls of KR Building and Future PSB	Fire Engineering Report No. 417974 (Revision 1) prepared by Mott McDonald dated 24 May 2023		✓

<ul style="list-style-type: none"> <li>+ Omission of insulation to water filled pipes.</li> <li>+ Extended travel distance between alternative exits within the CRC</li> <li>+ External stairway in path of travel upon discharge from Level 02 of the KR Building</li> <li>+ Travel via horizontal exits</li> <li>+ Swing of fire safety doors against the direction of egress</li> <li>+ Omission of sprinklers from the front entry canopy</li> <li>+ Temporary reliance on a single fire sprinkler pumpset serving a sprinkler protected area larger than 9000 m<sup>2</sup>.</li> <li>+ Omission of sprinklers to EDB Cupboards</li> <li>+ Clearance around manual calls points in fire hose reel cupboards</li> <li>+ Rationalisation of speakers within treatment rooms</li> <li>+ Unprotected openings in external walls of the pathology extension</li> <li>+ Location of fire hose reels more than 4m from an exit</li> <li>+ Extension of existing BOWS to refurbished areas.</li> <li>+ Protection of openings and external walls in different fire compartments</li> </ul>			
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