



BCA CROWN CERTIFICATE

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

CERTIFICATE No.:	CRO-20045
DATE OF CERTIFICATE:	01 May 2020
SUBJECT LAND:	
Lot & DP	Lot 1 DP 1250772
Address	Kent Road Marsfield NSW 2122
LOCAL GOVERNMENT AREA:	City of Ryde
APPLICANT:	
Name	Chris King
Company	School Infrastructure NSW
Address	Level 8, 259 George Street SYDNEY NSW 2001
Phone/Email	Phone: 0447 264 660
OWNER:	
Name	School Infrastructure NSW
Address	Level 8, 259 George Street SYDNEY NSW 2001
Phone / Email	Phone: 0447 264 660
PLANNING APPROVAL:	
SSDA No.:	SSD 9344
Date of Determination	30 August 2019
DESCRIPTION OF DEVELOPMENT:	Crown Certificate 3: Remainder of building works associated with the construction of a three-storey school building (known as Blocks P, Q and R) excluding the Covered Outdoor Learning Area, mechanical services and associated plant enclosures, landscaping, fencing and other work associated with the S4.55 application as detailed in the letter attached to the Crown Certificate Application referenced in Schedule 2.
BCA CLASSIFICATION:	Class 5 and Class 9b
REFERENCED DOCUMENTATION:	As listed in Schedule 1
STATUTORY CERTIFICATION:	

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 2016 Amendment 1, subject to the attached Conditions.

CONDITIONS: As listed in Schedule 2

**PERSON UNDERTAKING CERTIFICATION
OF DESIGN ON BEHALF OF THE CROWN:**

SIGNATURE

Accredited Certifier in NSW
Accreditation No.

David Blackett
BPB0032

Date: 01 May 2020



SCHEDULE 1

SCHEDULE OF DOCUMENTATION

+ Architectural Plans prepared by Gardner Wetherill & Associates Pty Ltd:

DRAWING NUMBER	REV	DATE	DRAWING NUMBER	REV	DATE
MT-400	K	10.12.2019	MT-1200	T	30.04.2020
MT-1201	S	30.04.2020	MT-1202	Q	30.04.2020
MT-1300	J	27.04.2020	MT-1401	J	27.04.2020
MT-1401A	E	27.04.2020	MT-1401B	C	27.04.2020
MT-1402	P	27.04.2020	MT-1403	P	27.04.2020
MT-1404	P	27.04.2020	MT-1405	K	27.04.2020
MT-1406	W	30.04.2020	MT-1407	U	30.04.2020
MT-1408	J	30.04.2020	MT-1501	K	27.04.2020
MT-1502	J	27.04.2020	MT-1503	J	27.04.2020
MT-1504	J	27.04.2020	MT-1601	H	27.04.2020
MT-1602	H	27.04.2020	MT-2400	J	27.04.2020
MT-2402	I	27.04.2020	MT-2403	G	27.04.2020

+ Other documents:

ITEM	DOCUMENTATION	PREPARED BY	DATE
1.	Crown Application Form	School Infrastructure NSW	28 April 2020
2.	Section J Confirmation of Compliance	Gardner Wetherill Associates	30 April 2020
3.	Structural Design Certificate	PTC Consulting Engineers	20 November 2019
4.	Design Certificate- Access	Lindsay Perry Access	21 November 2019
5.	JV3 Assessment Report	Jones Nicholson Consulting Engineers	06 June 2019
6.	Design Statement – Electrical Statement	JN Engineering Consultants	08 April 2020
7.	JV3 Design Verification	Gardner Wetherill Associates	28 April 2020
8.	Architectural Design Verification Statement	Gardner Wetherill Associates	28 April 2020
9.	FER Acceptance	School Infrastructure NSW	30 April 2020
10.	Slab Structural Certificate	PTC Consulting Engineers	17 February 2020
11.	Compliance Certificate - Lifts	Schindler Lifts Australia	11 December 2019
12.	Final Fire Safety Engineering Report – Building R Issue 4.5	Scientific Fire Services	24 March 2020
13.	Letter confirming Public Access to Compliance Reports & Independent Audit	School Infrastructure NSW	08 April 2020
14.	Design Certificate- Mechanical, Electrical, Hydraulic and Fire	JN Engineering Consultants	30 April 2020
15.	Mechanical Certificate of Design	JN Engineering Consultants	06 April 2020
16.	Main Works Coverage Check	JN Engineering Consultants	28 February 2020
17.	Pre-Construction Compliance Report Approval	Department of Education	12 February 2020
18.	Pre-Construction Compliance Report	EMM Consulting	24 January 2020
19.	Proposed Sites Plan	Gardner Wetherill Associates	17 February 2020



SCHEDULE 2

CONDITIONS OF BCA CROWN CERTIFICATE

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

1. This Crown Certificate does not certify compliance with the conditions of SSD 9344, dated 30 August 2019. The building works should not commence until the Crown is satisfied that the conditions of development consent that are a pre-requisite to commencement have been appropriately addressed where relevant.
2. No approval is given nor implied for the construction of works beyond the scope specifically approved by the Stage 3 Crown Certificate.
3. All building works associated with the subject development are to be carried out in accordance with the approved documentation listed above in Schedule 1. Any departure from the documentation cannot be undertaken without the review and approval by Blackett Maguire + Goldsmith.
4. Noting that the NSW Food Authority classifies School Canteens as a Retail Food Business, prior to the commencement of construction of the school canteen, design certification is to be provided confirming the design complies with Standard 3.2.3 of the Australian and New Zealand Food Standards Code under the Food Act 2003 and AS 4674 – Design, Construction and Fitout of Food Premises
5. 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.
6. 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.
7. Blackett Maguire + Goldsmith are 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.

Advisory Notes

1. The head contractor is to obtain any relevant Building Plan Approvals required by Sydney Water.
Details for obtaining this approval can be found at Sydney Water TapInTM website:
<http://www.sydneywater.com.au/tapin/index.htm>



SCHEDULE 3

FIRE SAFETY SCHEDULE

Issued under Clause 168 of the Environmental Planning & Assessment Regulation 2000

ADDRESS: Kent Road, Marsfield NSW 2122
OWNER School Infrastructure NSW
BCA CROWN CERTIFICATE NO.: CRO-20045

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, which, for the purposes of Clause 168 of the Environmental Planning and Assessment Regulation 2000, is deemed to be the current fire safety schedule for the building.

SCHEDULE

Statutory Fire Safety Measure	Design / Installation Standard	Existing	Proposed
Access Panels, Doors & Hoppers	BCA Clause C3.13 & AS 1530.4 – 2014 and Manufacturer's specifications		✓
Automatic Fail-Safe Devices	BCA Clause D2.21		✓
Emergency Lighting	BCA Clause E4.4 & AS 2293.1 – 2005		✓
Emergency Evacuation Plan	AS 3745-2010 and Fire Safety Engineering Report No. 216218 Revision 4.5, prepared by Scientific Fire Services dated 30 April 2020		✓
Exit Signs	BCA Clauses E4.5, E4.6 & E4.8; and AS 2293.1 – 2005		✓
Fire Blankets	AS 3504 – 2006 & AS 2444 – 2001		✓
Fire Dampers	BCA Clause C3.15, AS 1668.1 – 2015 & AS 1682.1 & 2 – 2015 and manufacturer's specification		✓
Fire Doors	BCA Clause C2.13, D1.8; and AS 1905.1 – 2015 and manufacturer's specification		✓
Fire Hose Reels (non-classroom areas)	BCA Clause E1.4 & AS 2441 – 2005		✓
Fire Hydrant Systems	BCA Clause E1.3 AS 2419.1-2005 & BCA Clause E1.3 AS 2419.1-2005 & Fire Safety Engineering Report No. 216218 Revision 4, prepared by Scientific Fire Services dated 3 July 2019	✓	✓
Fire Seals	BCA Clause C3.15, AS 1530.4 – 2014 & AS 4072.1 – 2005 and manufacturer's specification		✓
Lightweight Construction	BCA Clause C1.8 & AS 1530.4 – 2014, manufacturer's specification and Fire Safety Engineering Report No. 216218 Revision 4.5, prepared by Scientific Fire Services dated 30 April 2020		✓
Management In Use Plan	Fire Safety Engineering Report No. 216218 Revision 4.5, prepared by Scientific Fire Services dated 30 April 2020		✓
Mechanical Air Handling Systems (Automatic Shutdown)	BCA Clause E2.2, AS/NZS 1668.1 – 2015 & AS 1668.2 – 2012		✓
Paths of Travel	Clause 186 of the EP&A Regulation 2000		✓
Portable Fire Extinguishers	BCA Clause E1.6 & AS 2444 – 2001		✓
Smoke Doors	BCA Spec C2.5, 3.4 and Fire Safety Engineering Report No. 216218 Revision 4.5, prepared by Scientific Fire Services dated 30 April 2020		✓
Warning & Operational Signs	Clause 183 of the EP&A Regulation 2000, BCA Clause D2.23, D3.6 & E3.3, AS 1905.1 – 2015 and Fire Safety Engineering Report No. 216218 Revision 4.5, prepared by Scientific Fire Services dated 30 April 2020		✓



Statutory Fire Safety Measure	Design / Installation Standard	Existing	Proposed
Fire Engineered Performance Solution: + To permit the fire hydrant booster assembly to not be located adjacent to the principal vehicular access to the site as required by Clause 7.3(d)(ii) of AS 2419.1-2005	BCA Performance Requirement EP1.3 Fire Safety Engineering Report No. 216218.1902 Revision 4, prepared by Scientific Fire Services dated 3 July 2019	✓	
Fire Engineered Performance Solution: + To permit the Clause D1.8 External Stairway serving Block R to be connected to the covered walkway at the western elevation, which is considered as a fire source feature under the definition of the BCA.	BCA Performance Requirements DP5 and EP2.2 Fire Safety Engineering Report No. 216218 Revision 4.5, prepared by Scientific Fire Services dated 30 April 2020 Note: The above Fire Safety Engineering Report (FSER) requires the following additional measures: <ul style="list-style-type: none"> + The portion of the covered walkway at GF, L1 and L2 that is within 6.0m of the external egress stair serving Building R shall be maintained as a fuel sterile area + A monthly visual inspection as part of the Building Management In Use Plan is required to ensure that the sterile portion of the covered walkway that is within 6.0m of the external egress stair serving Building R is maintained + Signage in letters no less than 50mm high in colour contrasting with the background at the GF, L1 and L2 covered walkway that states "NO STORAGE IN THIS AREA" at the locations shown in Figure 0.5 to Figure 0.7 of the FSER; + The external stairway serving as a required exit for Building R is to be fire separated from Building R at GF, L1 and L2 with a two-way Fire Resistance Level (FRL) of 60 minutes to the extent as indicated in Figure 0.5 to Figure 0.7 of the FSER; + A smoke lobby/door construction shall be provided at the entrance to the external stair from Building R at GF and L1 (Refer to Figure 0.5 and Figure 0.6) of the FSER. Construction of the smoke lobby/door construction shall be in accordance with the BCA DtS provisions. + The motor lift panel at L2 shall be enclosed with non-combustible construction and shall have restricted access to maintenance personnel only. Signage shall be placed in front of the motor lift panel in letters no less than 20mm high and in colours contrasting with the background that states "Restricted Access to Maintenance Personnel". 		✓



SCHEDULE 4

INSPECTION REQUIREMENTS

REQUIRED INSPECTIONS

Please ensure that our office is contacted to undertake the following inspections throughout the construction program:

- + Completion of fire stopping of services penetrating fire rated elements including services passing through the floor slab, the fire rated walls separating the external stairs, walls and ceilings of the EDB cupboards and the walls of the Main Switch Room.
- + Completion of fire rated walls prior to installation of ceiling.
- + Completion of fire rated spandrels including the material used to seal the gap between the spandrel and the external cladding prior to construction of the external wall
- + Completion of stairs to ensure stair treads and risers comply with BCA Clause D2.13 with respect to dimensions and consistency
- + Installation of concealed essential fire safety measures prior to covering.
- + Preliminary Final Inspection and onsite testing of all active fire safety systems, prior to completion of building works.
- + After the building works has been completed.