

# BCA CROWN CERTIFICATE

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

|                                    |   |
|------------------------------------|---|
| <b>CERTIFICATE No.:</b>            | CRO-20061   |
| <b>DATE OF CERTIFICATE:</b>        | 15 June 2020  |
| <b>SUBJECT LAND:</b>               |   |
| Lot & DP                           | Lot 1 DP 1250772  |
| Address                            | Kent Road Public School<br>Kent Road<br>MARSFIELD NSW 2122  |
| <b>LOCAL GOVERNMENT AREA:</b>      | City of Ryde  |
| <b>APPLICANT:</b>                  |   |
| Name                               | Chris King  |
| Company                            | School Infrastructure NSW   |
| Address                            | Level 8, 259 George Street<br>SYDNEY NSW 2001   |
| Phone/Email                        | Phone: 0447 264 660 Email: christopher.king82@det.nsw.edu.au  |
| <b>OWNER:</b>                      |   |
| Name                               | School Infrastructure NSW   |
| Address                            | Level 8, 259 George Street<br>SYDNEY NSW 2001   |
| Phone                              | Phone: 0447 264 660   |
| <b>PLANNING APPROVAL:</b>          |   |
| SSD & Date of Determination.:      | SSD 9344 dated 30.08.2019 (as modified by SSD 9344 Mod 1 dated 01.06.2020)  |
| <b>DESCRIPTION OF DEVELOPMENT:</b> | <b>Crown Certificate 4:</b> Remainder of building works associated with the construction of a three-storey school building (known as Blocks P, Q and R) <b>including</b> the Covered Outdoor Learning Area, mechanical services and associated plant enclosures, landscaping, fencing and other work associated with the Section 4.55 modification SSD-9344 - Mod 1, dated 01 June 2020 |
| <b>BCA CLASSIFICATION:</b>         | Class 9b  |
| <b>REFERENCED DOCUMENTATION:</b>   | As listed in Schedule 1   |
| <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 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 Brackett  
BPB0032

Date: 15 June 2020



## SCHEDULE 1

### SCHEDULE OF DOCUMENTATION

+ Architectural Plans prepared by Gardner Wetherill Associates:

| DRAWING NUMBER | REV | DATE       | DRAWING NUMBER | REV | DATE       |
|----------------|-----|------------|----------------|-----|------------|
| MT-0400        | L   | 09.06.2020 | MT-1200        | W   | 09.06.2020 |
| MT-1201        | S   | 30.04.2020 | MT-1202        | Q   | 30.04.2020 |
| MT-1300        | J   | 27.04.2020 | MT-1401        | M   | 10.06.2020 |
| MT-1401A       | H   | 10.06.2020 | MT-1401B       | F   | 10.06.2020 |
| MT-1402        | T   | 10.06.2020 | MT-1403        | S   | 10.06.2020 |
| MT-1404        | S   | 10.06.2020 | MT-1405        | K   | 27.04.2020 |
| MT-1406        | ZA  | 10.06.2020 | MT-1407        | Z   | 10.06.2020 |
| MT-1408        | L   | 10.06.2020 | 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 |
| MT-5300        | D   | 07.05.2020 | MT-5301        | 0   | 07.05.2020 |
| MT-5302        | 01  | 07.05.2020 | MT-5302        | 02  | 22.05.2020 |
| MT-5303        | 01  | 07.05.2020 | MT-5304        | 01  | 07.05.2020 |
| MT-5305        | 01  | 07.05.2020 | MT-5306        | 01  | 07.05.2020 |
| MT-5307        | 01  | 07.05.2020 | MT-5308        | A   | 07.05.2020 |
| MT-5309        | 01  | 07.05.2020 | MT-5310        | 01  | 07.05.2020 |
| MT-5311        | 01  | 07.05.2020 |                |     |            |

+ Other documents:

| ITEM | DOCUMENTATION   | PREPARED BY                             | DATE             |
|------|---|---|------------------|
| 1.   | Application Form  | School Infrastructure NSW               | 01 June 2020     |
| 2.   | Transport & Traffic Design Certificate                  | Transport & Traffic Planning Associates | 04 June 2020     |
| 3.   | Structural Design Certificate                           | Taylor Thomson Whitting                 | 06 December 2019 |
| 4.   | Architectural Design Verification Statement             | Gardner Wetherill & Associates          | 29 May 2020      |
| 5.   | Mechanical Certificate of Design                        | JN Engineering Consultants              | 09 June 2020     |
| 6.   | Accessibility Compliance Statement LP20030              | Lindsay Perry Access                    | 21 May 2020      |
| 7.   | Modified Consent SSD 9344 Mod 1                         | DPE                                     | 01 June 2020     |
| 8.   | Constriction Compliance Report                          | EMM Consulting                          | 02 June 2020     |
| 9.   | Structural Design Certificate - Balustrades and Battens | Soar Engineering                        | 15 June 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 (as modified by SSD-9344 - Mod 1, dated 01 June 2020). 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. There is to be no impact, disruption, impediment, or modification to existing active or passive fire safety systems or egress arrangements within the existing school site as a direct or indirect result of the proposed works without prior consultation and approval by Blackett Maguire + Goldsmith.
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. Rooms with sliding doors as the only means of egress are either not to be fitted with locks, or where locks are required to the sliding doors to these rooms, the proposed door hardware is to be approved by BM+G prior to installation.
5. All external stairs adjoining tiered seating is to be designed and constructed to comply with the requirements of BCA Clauses D2.13, D2.17, and D3.3, except where modified by the Performance Solution Report prepared by Lindsay Perry Access Consultants, dated 29 November 2019. Tactile Ground Surface Indicators (TGSIs) are to be installed at the top and bottom landings of the designated stairs only in accordance with AS 1428.4.1-2009. TGSIs are not to be located at the top and bottom landings of the tiered seating.
6. Prior to works associated with the changes approved under the Section 4.55 modification SSD-9344 - Mod 1, dated 01 June 2020 being undertaken, a revised Structural Design Certificate is to be provided from the Project Structural Engineer, TTW, noting that the previously submitted Structural Design Certificate does not verify the changes approved under the Section 4.55 modification, have been included in the design.  
Note: Where the above changes have been incorporated in the current Structural Design Certificate, written confirmation of this is to be provided by TTW.
7. The vertical battens serving as balustrades are to be designed and constructed so that a 125mm sphere not able to pass through the gaps between the battens in accordance with the requirements of BCA Clause D2.16.
8. 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
9. 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.
10. 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.
11. 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.
12. All building works associated with the subject development are to be carried out in accordance with the approved documentation listed above in Schedule 1.
13. This certificate shall not be construed as relieving any other party of their responsibilities, liabilities, or contractual obligations.
14. All works carried out by the respective trades and disciplines remain the responsibility of the Head Contractor (St Hilliers), who is responsible for the commissioning, site instructions and obtainment of certifications of such works.

#### 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

|                                   |  |
|-----------------------------------|--|
| <b>ADDRESS:</b>                   | Kent Road Public School<br>Kent Road, MARSFIELD NSW 2122 |
| <b>OWNER</b>                      | School Infrastructure NSW                                |
| <b>BCA CROWN CERTIFICATE No.:</b> | CRO-20061  |

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:<br>+ 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<br>Fire Safety Engineering Report No. 216218.1902<br>Revision 4, prepared by Scientific Fire Services dated 3 July 2019   | ✓        |          |
| Fire Engineered Performance Solution:<br>+ 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<br>Fire Safety Engineering Report No. 216218 Revision 4.5, prepared by Scientific Fire Services dated 30 April 2020<br>Note: The above Fire Safety Engineering Report (FSER) requires the following additional measures: <ul style="list-style-type: none"> <li>+ 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</li> <li>+ 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</li> <li>+ 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;</li> <li>+ 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;</li> <li>+ 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.</li> <li>+ 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".</li> </ul> |          | ✓        |



## **SCHEDULE 4**

### INSPECTION REQUIREMENTS

#### **REQUIRED INSPECTIONS**

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

- + Completion of smoke proof walls prior to installation of ceiling.
- + Completion of fire rated walls prior to installation of ceiling.
- + 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.