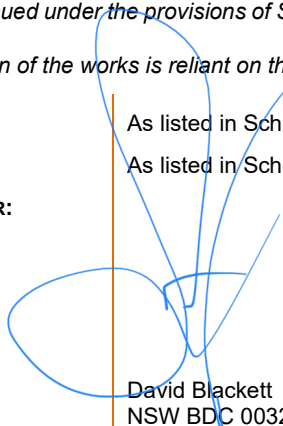




## BCA COMPLETION CERTIFICATE

<b>CERTIFICATE No.:</b>	BCAC-21014
<b>SUBJECT LAND:</b> Lot & DP Address	Lot 1 DP 1250772 Kent Road Public School Kent Road MARSFIELD NSW 2122
<b>APPLICANT:</b> Name Company Address  Phone	Chris King NSW Department of Education 1 Oxford Street DARLINGHURST NSW 2010  Phone: 0447 264 660
<b>OWNER:</b> Name Address  Phone	NSW Department of Education 1 Oxford Street DARLINGHURST NSW 2010  Phone: 1300 679 332
<b>DESCRIPTION OF DEVELOPMENT:</b>	The construction of a three-storey school building (known as Blocks P, Q and R), Covered Outdoor Learning Area (COLA), reconfiguration of the car pick-up and drop-off area, landscaping, tree removal and fencing.
<b>WHOLE / PART:</b>	Whole
<b>BCA CLASSIFICATION:</b>	Class 5 & 9b
<b>PLANNING APPROVAL:</b> SSD No & Date of Determination.:	SSD9344 dated 30.08.2019 (as modified by SSD9344 Mod 1 dated 01.06.2020)
<b>CROWN CERTIFICATION:</b> S.109R Crown Certificate and Date of Determination:	CRO-18165 dated 25 November 2019, CRO-18166 dated 24 December 2019, CRO-20045 dated 1 May 2020, CRO-20061 dated 15 June 2020 and CRO-20061/A dated 11 January 2021.
<b>STATEMENT:</b> <i>Blackett Maguire + Goldsmith Pty Ltd (ABC4) certify that the building works as detailed above is suitable for occupation or use in accordance with its classification under the Building Code of Australia, and:</i> + Certification has been issued under the provisions of S6.28 of the EP&A Act, 1979 and BCA 2016 Amendment 1 with respect to the building works. + Verification for completion of the works is reliant on the documentation detailed in Schedule 1.	
<b>DOCUMENTATION RELIED UPON:</b>	As listed in Schedule 1
<b>EXCLUSIONS (WHERE RELEVANT):</b>	As listed in Schedule 2
<b>DETAILS OF ACCREDITED CERTIFIER:</b> SIGNATURE	
Name Accreditation No.	David Blackett NSW BDC 0032
	Date: 09 February 2021



## SCHEDULE 1

### SCHEDULE OF DOCUMENTATION RELIED UPON

ITEM	DOCUMENTATION	PREPARED BY	DATE
1.	BCA Completion Certificate Application Form	NSW Department of Education	13 January 2021
2.	Installation Certificate – Certification and Schedule of Fire Hazard Properties	Carpet Cutters Commercial PL	14 December 2020
3.	SINSW Response to Independent Environmental Audit Report (IEA)	Schools Infrastructure NSW	18 December 2020
4.	Installation Certificate – Lifts	Schindler Lifts PL	06 November 2020
5.	Head Contractor Compliance Statement	St Hilliers Property PL	13 January 2021
6.	Statement - No precast / tilt up concrete wall panels	St Hilliers Property PL	11 January 2021
7.	Installation Certificate – Mechanical Services	Dallas Airconditioning	10 December 2020
8.	Installation Certificate – Electrical Works	TGB Electrical PL	04 December 2020
9.	Installation Certificate – Hydraulic	BP Plumbing Group PL	20 November 2020
10.	Fire Test Report No. D11-18-013 – Aerial AE315	NATA Sydney Carpet Laboratory	14 June 2018
11.	Fire Test Report No. 7-592007-AN – On Line	AWTA Product Testing	01 July 2013
12.	Fire Test Report No. 26/0226B/0/17 – Vinyl Flooring	BTTG	27 September 2017
13.	Installation Certificate – Wall Linings	BCR Holdings PL	14 January 2021
14.	Assessment Report No. 4055 Issue 5- Autex Wall & Ceiling Linings	Branz PL	08 October 2020
15.	Installation Certificate – Lightweight Construction	Durnco PL	15 January 2021
16.	Installation Certificate – Smoke Wall	Durnco PL	14 February 2020
17.	Installation Certificate – Emergency Lighting, Emergency Exit Signs & Fire Penetration Sealing	TGB Electrical PL	08 December 2020
18.	Essential Fire Safety Measures Installation Certificate – Fire Dampers, Fire Seals & Mechanical Air Handling System	Dallas Air Conditioning PL	15 December 2020
19.	Installation Certificate – Fire Hydrant & Hose Reel	BP Plumbing Group PL	10 December 2020
20.	Essential Fire Safety Measures Installation Certificate – Smoke Doors	Robson Doors PL	14 January 2021
21.	Essential Fire Safety Measures Installation Certificate – Path of Travel	Gardner Wetherill	13 January 2021
22.	Essential Fire Safety Measures Installation Certificate – Warning & Operational Signs	Wetton Signage Group	14 December 2020
23.	Certificate of Plant Item Registration No. L 6-252222/21 /0 – Lift No. 1	Safe Work NSW	13 January 2021
24.	Installation Certificate – Fall Protection System	RIS Safety PL	08 January 2021
25.	Installation Certificate – Roofing	Roof Right Metal Roofing	24 January 2020
26.	Installation Certificate – Roof Sheeting & Fixings	Roof Right Metal Roofing	24 November 2020
27.	Email to Council – Evidence of submission of the Dilapidation Report	St Hilliers Property PL	14 January 2021
28.	Certification & Schedule of Slip Resistance	Tile Logistics PL	13 January 2021
29.	On-site Slip Test Certificate	Sliptest Australia PL	04 December 2020
30.	Notification of the Commencement of Occupation	Schools Infrastructure NSW	13 November 202
31.	Structural Inspection Certificate	Taylor Thomson Whitting PL	12 January 2021



ITEM	DOCUMENTATION	PREPARED BY	DATE
32.	Operational Waste Management Plan	APC Waste Consultants	08 December 2020
33.	Landscape Management Plan	iScape Landscape Architecture	14 January 2021
34.	Site Audit Statement	NSW EPA	11 August 2020
35.	EPA evidence of receipt of SAS with EMP	NSW Environment Protection Authority	21 July 2020
36.	External Wall System Disclosure Statement	St Hilliers Property PL	13 January 2021
37.	Division 9 Section 73 Certificate	Sydney Water	10 January 2020
38.	Stormwater WAE Plan	Taylor Thomson Whitting PL	18 August 2020
39.	Evidence of submission of Green Travel Plan to the Planning Secretary	Schools Infrastructure NSW	18 December 2020
40.	School Transport Plan	Taylor Thomson Whitting PL	17 December 2020
41.	Senior Traffic Engineer Michael Babbage CV	Taylor Thomson Whitting PL	21 December 2020
42.	Mechanical Commissioning Statement	Dallas Air Conditioning PL	18 January 2021
43.	Installation Certificate – Mechanical Services	Dallas Air Conditioning PL	16 January 2021
44.	Existing Carpark Certification	Civilcast PL	12 July 2019
45.	Operations and Maintenance Manual	Taylor Thomson Whitting PL	18 December 2020
46.	Stormwater Quality Management Plan	Taylor Thomson Whitting PL	22 December 2020
47.	Hydraulic Design Rainwater Re-use Plan	Jones Nicholson Consulting Engineers	15 January 2021
48.	Obtrusive Lighting Certification	TGB Electrical	12 January 2021
49.	Evidence of PCA receipt of Validation Report	BM+G PL	21 May 2020
50.	Validation Report	Arcadis	12 January 2021
51.	Installation Certificate – Architectural	Gardner Wetherill	18 January 2021
52.	Fire Certificates – NCC Spec C1.10 Compliance	Polyflor Australia	Unknown
53.	Food Premises Compliance Certificate	Sangster Design Group PL	21 January 2021
54.	Fire Hydrant and FHR Commissioning Test	All Flow Fire	18 January 2021
55.	Consultancy Advice Notice– First Aid Fire Fighting Strategy	Scientific Fire Services	18 January 2021
56.	Inspection Report – Fire Engineer’s Performance Solution Sign-off	Scientific Fire Services	18 January 2021
57.	Essential Fire Safety Measures Installation Certificate – Fire Extinguishers & Fire Blankets	Chubb Fire & Security PL	18 January 2021
58.	Installation Certificate – Landscaping	Better View Landscapes PL	15 December 2020
59.	Section J Compliance Certificate	JN Responsive Engineering	18 January 2021
60.	Installation Certificate – Window Glazing	PWAD PL	18 January 2021
61.	Installation Certificate – Waterproofing (External Areas)	Danlaid Contracting Brisbane	18 January 2021
62.	Installation Certificate – Certification and Schedule of Slip Resistance	Carpet Cutters Commercial PL	18 January 2021
63.	Slip Resistance Report No. M0386a – Grit Insert	Safe Environments	13 November 2017
64.	Sliptest Report No. KO151220-7 - Polymeric Hazard Tile	Sliptest Australia PL	15 December 2020
65.	Post Works Dilapidation Report	Rezoning PL	14 December 2020
66.	SSD22 – End of Trip Signage 1	Unknown	N.D.



ITEM	DOCUMENTATION	PREPARED BY	DATE
67.	SSD22 – End of Trip Signage 2	Unknown	N.D.
68.	SSD22 – End of Trip Signage 3	Unknown	N.D.
69.	SSD23 – Secure Bike Parking 1	Unknown	N.D.
70.	SSD23 – Secure Bike Path 2	Unknown	N.D.
71.	SSD24 – Do Not Drink Signage 2	Unknown	N.D.
72.	SSD24 – Do Not Drink Signage 3	Unknown	N.D.
73.	SSD24 – Do Not Drink Signage	Unknown	N.D.
74.	Installation Certificate – New Vehicular Access (construction of driveways)	Taylor Thomson Whitting PL	18 January 2021
75.	Installation Certificate – New Vehicular Access	St Hilliers Property PL	17 January 2021
76.	Installation Certificate – Bicycle Parking & EOT	St Hilliers Property PL	17 January 2021
77.	Letter – Approval of extension of time for alternative Green Star Rating	DoPE	23 December 2020
78.	Smoke Detector Commissioning Report	Beaver Williams	14 January 2021
79.	Installation Certificate – Fire Resistant Doorsets	Robson Doors	18 January 2021
80.	Installation Certificate – Automatic Fire Detection & Alarm System	Beaver Williams	14 January 2021
81.	Access Compliance Statement LP_18047	Lindsay Perry Access	20 January 2021
82.	Survey Plan & Statement	Geosurv PL	19 January 2021
83.	Installation Certificate – Waterproofing (Wet Areas)	Top Gun Joint Sealing	19 November 2020
84.	Slip Resistance Test Report No. TCC21008-S01 - Polysafe	The Coating Consultancy PL	17 January 2021
85.	Slip Resistance Test Report No. TCC21008-S02 - Palettone	The Coating Consultancy PL	17 January 2021
86.	Slip Resistance Test Report No. TCC21008-S03 – Mipolam EL7	The Coating Consultancy PL	18 January 2021
87.	Type 675D Iron Galvanised Intercept Heelsafe Anti-Slip grate Specifications	ACO PL	April 2018
88.	Evidence of VPA submission to the EPA	Douglas Partners	20 May 2020
89.	Evidence of DPIE receipt of External Walls & Cladding Document	DPIE	20 January 2021
90.	Evidence of DPIE receipt of Post Approval Validation Report	DPIE	22 May 2020
91.	Installation Certificate and Schedule – Fire Hazard Properties (Floor Lining)	Carpet Cutters Commercial PL	14 December 2020
92.	Installation Certificate and Schedule – Fire Hazard Properties (Wall Lining)	BCR Holdings PL	14 January 2021
93.	Inspection Report – All issues closed out	Blackett Maguire + Goldsmith	19 January 2021
94.	Civil Inspection Certificate	Taylor Thomson Whitting PL	21 January 2021
95.	Installation Certificate – Balustrade & Handrails	Soar Engineers PL	21 January 2021
96.	Civil Inspection Certificate	Taylor Thomson Whitting PL	18 January 2021
97.	Commissioning Report – Fire Hose Reels	AllFlow Fire	11 December 2020
98.	Emergency Management Plan	NSW Department of Education	June 2020
99.	Signage identifying the location of the staff Carpark	Johnstaff	22 January 2021
100.	Email correspondence – External stair tread rectification	St Hilliers Property	22 January 2021



ITEM	DOCUMENTATION	PREPARED BY	DATE
101.	Installation Certificate – Slip Resistance	Tile Logistics PL	13 January 2021
102.	SSD D4, D5 & D6 - Approval of Staging Report	NSW Department of Planning Industry & Environment	21 January 2021
103.	SSD D4, D5 & D6 – Staging Report	NSW Department of Education	January 2021
104.	SSD D9 – Approval of Green Travel Plan	NSW Department of Planning Industry & Environment	21 January 2021
105.	SSD D17 – Installation Certificate – Food Premises	Sangster Design Group PL	21 January 2021
106.	Final Fire Safety Certificate	SINSW	20 January 2021
107.	SSD D10 – Email correspondence – Signage changes to Herring Road	TTW / City of Ryde Council	29 October 2020
108.	SSD D10 – Email correspondence – School Transport Plan	TTW / Transport for NSW	14 December 2020
109.	SSD D10 – Email correspondence – School Transport Plan	TTW / City of Ryde Council	11 December 2020
110.	SSD D10 – Email correspondence – School Transport Plan	TTW / Transport for NSW / Johnstaff	06 January 2021
111.	SSD D15 – Email correspondence – Final Fire Safety Certificate	Johnstaff / City of Ryde Council	22 January 2021
112.	SSD D15 – Email correspondence – Final Fire Safety Certificate	Johnstaff / Fire & Rescue NSW	22 January 2021
113.	Installation Certificate and Schedule – Passive Fire Stopping (Electrical Services)	TGB Electrical	18 June 2020
114.	Assessment Report No. FCO2586 - Maxilite Protection Systems	CSIRO	17 March 2020
115.	Test Report No. FSP2052 - Trafalgar Systems	CSIRO	27 November 2019
116.	Installation Certificate and Schedule – Passive Fire Stopping (Dry Fire Services)	Beaver Williams	10 December 2020
117.	Installation Certificate and Schedule – Passive Fire Stopping (Hydraulic Services)	BP Plumbing	10 December 2020
118.	Installation Certificate and Schedule – Passive Fire Stopping (Mechanical Services)	Dallas Air Conditioning	15 December 2020
119.	Installation Certificate and Schedule – Passive Fire Stopping (Security Services)	Boston Security Services	12 December 2020
120.	Installation Certificate and Schedule – Passive Fire Stopping (Solar PV Systems)	Australia Wide Solar	09 December 2020
121.	Site Audit Report	Douglas Partners	20 July 2020
122.	Construction Environmental Management Plan	St Hilliers Property	13 August 2020
123.	SSD C51 - Construction Environmental Management Plan Submission Cover Letter	NSW Department of Education	20 August 2020
124.	SSD B34 – Notification of Construction Compliance Report	NSW Department of Education	13 November 2020
125.	SSD B34 – KRPS October 2020 Construction Compliance Report	EMM Newcastle	November 2020
126.	Photo evidence of defect rectification	St Hilliers Property	22 January 2021
127.	Aconex correspondence – Submission of revised fire stopping certificates and schedules	St Hilliers Property	04 February 2021
128.	Photo evidence of defect rectification	St Hilliers Property	04 February 2021
129.	Revised Installation Certificate and Schedule – Passive Fire Stopping (Electrical Services)	TGB Electrical	18 June 2020



ITEM	DOCUMENTATION	PREPARED BY	DATE
130.	Revised Installation Certificate and Schedule – Passive Fire Stopping (Dry Fire Services)	Beaver Williams	10 December 2020
131.	Revised Installation Certificate and Schedule – Passive Fire Stopping (Hydraulic Services)	BP Plumbing	10 December 2020

*NOTE: While BM+G confirms that the certificates provided by others are relevant to the project, BM+G does not endorse the certificates mentioned above. The relevant installation contractor issuing the certificate is responsible for the accuracy and truth of the certificates and the respective works undertaken by the contractor.*



## **SCHEDULE 2**

### CONDITIONS & EXCLUSIONS

1. All protective covers to smoke detectors must be removed and the Fire Indicator Panel (FIP) must be de-isolated prior to occupation.
2. All fire hydrant isolation valves must be set to the open positions (where required by AS 2419.1-2005) prior to occupation.
3. Site fencing and hoarding is to be removed prior to occupation.
4. The fire safety measures listed within the Fire Safety Schedule (provided under Schedule 3 below) must be maintained in accordance with the Environment Planning & Assessment Act 1979 and Regulation 2000.
5. Any future alterations should be assessed by an appropriately qualified BCA Consultant to ensure compliance is maintained with the BCA.
6. Any future alterations will require assessment from a registered Fire Safety Engineer to ensure compliance is maintained with the Fire Engineering Reports referenced in the Fire Safety Schedule.
7. This certificate shall not be construed as relieving any other party of their responsibilities, liabilities or contractual obligations.
8. BM+G did not evaluate the quality of workmanship or materials used for construction of the building, as this is the responsibility of others.



### SCHEDULE 3

#### FIRE SAFETY SCHEDULE

**OWNER:** School Infrastructure NSW  
**ADDRESS:** Kent Road Public School  
 Kent Road, MARSFIELD NSW 2122  
**s.109R:** CRO-18165, CRO-18166, CRO-20045, CRO-20061 & CRO-20061/A  
**BCAC NO:** 21014

#### SCHEDULE

Statutory Fire Safety Measure	Design / Installation Standard	Existing	New/Altered
Emergency Lighting	BCA Clause E4.4 & AS 2293.1 – 2005		✓
Emergency Evacuation Plan	AS 3745-2010 and Fire Safety Engineering Report No. 216218.1902 Revision 8.0, prepared by Scientific Fire Services dated 18 December 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 (Block R)	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. 216218.1902 Revision 8.0, prepared by Scientific Fire Services dated 18 December 2020.		✓
Management In Use Plan	Fire Safety Engineering Report No. 216218.1902 Revision 8.0, prepared by Scientific Fire Services dated 18 December 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 Walls (Block R)	BCA Spec C2.5 and Fire Safety Engineering Report No. 216218.1902 Revision 8.0, prepared by Scientific Fire Services dated 18 December 2020		
Smoke Doors (Block R)	BCA Spec C2.5, 3.4 and Fire Safety Engineering Report No. 216218.1902 Revision 8.0, prepared by Scientific Fire Services dated 18 December 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. 216218.1902 Revision 8.0, prepared by Scientific Fire Services dated 18 December 2020.		✓





Statutory Fire Safety Measure	Design / Installation Standard	Existing	New/Altered
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 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. + To permit the use of plastic packers (which are combustible) on Level 2 of the Building P external wall + To permit hose reel coverage to the GF & L1 smoke lobbies in Block R be provided by hose reels which pass through smoke doors	BCA Performance Requirements CP2, DP5 and EP1.1 and EP2.2 Fire Safety Engineering Report No. 216218.1902 Revision 8.0, prepared by Scientific Fire Services dated 18 December 2020. Note: The above Fire Safety Engineering Report (FSER) requires the following additional measures: + 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".		✓