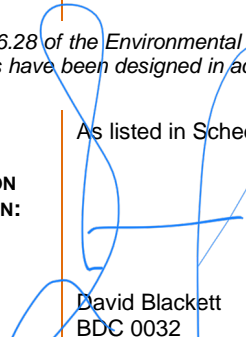




BCA CROWN CERTIFICATE (AMENDED)

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

CERTIFICATE No.:	CRO-20069/A
DATE OF CERTIFICATE:	28 January 2021
DATE OF AMENDMENT A:	30 September 2021
SUBJECT LAND:	
Lot & DP	Lot 205 DP 1206854 Lot 14 DP 261222
Address	Coffs Harbour Hospital 345 Pacific Highway COFFS HARBOUR NSW 2450
LOCAL GOVERNMENT AREA:	Coffs Harbour City Council
APPLICANT:	
Name	Ben Leach
Company	CPB Contractors
Address	Level 2, 177 Pacific Highway NORTH SYDNEY, NSW 2060
Phone/Email	Phone: 0409 872 916 Email: ben.leach@cpbcon.com.au
OWNER:	
Name	NSW Health Infrastructure
Address	Level 14, 77 Pacific Highway NORTH SYDNEY NSW 2060
Phone / Email	Phone: 0407 764 588 Email: sherrie.cowie@health.nsw.gov.au
PLANNING APPROVAL (WHERE APPLICABLE):	
SSD No. & Date of Determination:	SSD 8981 dated 28 February 2019 & SSD MOD-8981 MOD 1 dated 25 August 2019, SSD 8981 MOD 2 dated 1 December 2019 SSD 8981 MOD 3 dated 28 July 2020, SSD 8981 MOD 4 24 September 2020 & SSD MOD 5 dated 12 May 2021.
DESCRIPTION OF DEVELOPMENT:	Stage 5 Crown Certificate – Remaining building works associated with the construction of the new five storey clinical services building to the exclusion of the following:
DESCRIPTION OF AMENDMENT A:	Amended Fire Engineering Report, Fire Safety Schedule and the addition of Performance Solutions for threshold grates and ceiling heights.
BCA CLASSIFICATION:	Class 6, 9a
REFERENCED DOCUMENTATION:	As listed in Schedule 1
STATUTORY CERTIFICATION:	
	<i>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, subject to the attached Conditions.</i>
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 BDC 0032
	Date: 30 September 2021



SCHEDULE 1

SCHEDULE OF DOCUMENTATION

+ Approved Plans by McConnel Smith & Johnson Architects:

DRAWING NUMBER	REV	DATE	DRAWING NUMBER	REV	DATE
CHH-MSJ-DRW-AR-CSB-4000002	5	02.11.2020	CHH-MSJ-DRW-AR-CSB-4000014	3	03.11.2020
CHH-MSJ-DRW-AR-CSB-4000003	6	20.11.2020	CHH-MSJ-DRW-AR-CSB-4000017	3	28.09.2020
CHH-MSJ-DRW-AR-CSB-4000004	3	20.11.2020	CHH-MSJ-DRW-AR-CSB-4000018	3	28.09.2020
CHH-MSJ-DRW-AR-CSB-4000005	3	28.09.2020	CHH-MSJ-DRW-AR-CSB-4000019	2	28.09.2020
CHH-MSJ-DRW-AR-CSB-4000006	4	30.10.2020	CHH-MSJ-DRW-AR-CSB-4000020	3	23.10.2020
CHH-MSJ-DRW-AR-CSB-4000007	4	30.10.2020	CHH-MSJ-DRW-AR-CSB-4000021	3	02.10.2020
CHH-MSJ-DRW-AR-CSB-4000009	6	2011.2020	CHH-MSJ-DRW-AR-CSB-4300004	6	30.10.2020
CHH-MSJ-DRW-AR-CSB-4000010	4	30.10.2020	CHH-MSJ-DRW-AR-CSB-4700003	2	28.02.2020
CHH-MSJ-DRW-AR-CSB-4000012	2	30.10.2020	CHH-MSJ-DRW-AR-CSB-4700001	9	31.08.2020
CHH-MSJ-DRW-AR-CSB-4000013	4	21.10.2020			

+ Other documents:

ITEM	DOCUMENTATION	PREPARED BY	DATE
CRO-20069			
1.	Application Form	CPB Contractors	16 November 2020
2.	Landscape Drawings	Site Image	15 November 2019
3.	Landscape Design Certification (Emergency Vehicle Access)	Site Image	02 December 2020
4.	Architectural Design Statement	Conrad Gargett	26 November 2020
5.	Civil Design Statement	Bonacci	14 November 2018
6.	Civil Design Certificate	Taylor Thomson Whitting (NSW)	19 July 2019
7.	No Timber Primary Building Elements	CPB Contractors	20 March 2020
8.	Hydraulic Services Design Statement	Aspen Hydraulics	30 November 2020
9.	Electrical Services Design Statement	Stowe	01 December 2020
10.	Fire Safety Endorsement	Precision Fire Protection Services	30 November 2020
11.	Hydraulic Service Design Intent Certificate	Aspen Hydraulics	28 June 2019
12.	Environmental Management Plan Rev. 05	CPB Contractors	13 December 2019
13.	Approval of Plan Strategy or Study	DPIE	06 November 2020
14.	Noise Management Compliance Statement	CPB Contractors	19 March 2020
15.	Bicycle Parking Spaces Compliance Statement	Conrad Gargett	26 November 2020
16.	Noise & Vibration Management Compliance Statement	CPB Contractors	14 June 2019
17.	VENM Import Material Compliance Statement	The Bayrange Group	05 December 2019
18.	Seepage & Rainwater Compliance Statement	CPB Contractors	14 June 2019
19.	Structural Design Certificate	Taylor Thomson Whitting (NSW)	01 December 2020
20.	Civil Design Certificate – Engineering Design Statement	Taylor Thomson Whitting (NSW)	11 December 2020
21.	FH Coverage Plan	Aspen Hydraulics	Undated
22.	FHR Coverage Plan	CPB Contractors	19 November 2020
23.	Cover letter enclosing FEBQ	NSW Fire & Rescue	25 January 2021
24.	FEBQ (V10 – dated 20 January 2021)	NSW Fire & Rescue	25 January 2021
25.	Bushfire Compliance Certificate	Eco Logical Australia	17 December 2020
26.	Access Report Rev. 7	iAccess	25 January 2021
27.	Access Design Statement	iAccess	25 January 2021



CRO-20069/A			
28.	Application Form	CPB Contractors	30 September 2021
29.	Fire Engineering Report No. 19020-SB-FER01 Rev. D	LCI Consultants	16 August 2021
30.	Performance Solution Report No. IAC-850	iAccess Consultants	06 August 2021
31.	Car Parking Spaces Contractor Statement	COB Contractors Pty Ltd	18 February 2021
32.	Performance Solution Report: <ul style="list-style-type: none">• Location of Access Control Switches• Threshold Ramp from Courtyard	iAccess Consultants	29 September 2021
33.	Performance Solution Report: <ul style="list-style-type: none">• 2.4m Ceiling Heights to Habitable Rooms	Conrad Gargett	14 July 2021
34.	Performance Solution Report: <ul style="list-style-type: none">• Selected External Envelope Doors Without Threshold Grates	Conrad Gargett	14 July 2021
35.	SSD-8981 MOD 5	Minister of Planning and Public Spaces	12 May 2021



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 SSDA 8981 (as modified). 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 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).
3. All building works associated with the subject development are to be carried out in accordance with the requirements of the Blackett Maguire + Goldsmith CD BCA Assessment Report Revision 1 dated 15 May 2020.
4. No approval is given nor implied for the construction of works beyond the scope specifically approved by the Stage 5 Crown Certificate.
5. All building works associated with the subject development are to be carried out in accordance with the approved documentation listed above in Schedule 1.
6. Any departure from the documentation cannot be undertaken without the review and approval by Blackett Maguire + Goldsmith.
7. 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.
8. 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.
9. 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.
10. All building works associated with the subject development are to be carried out in accordance with the requirements of the iAccess Consultants Access Report dated 25 January 2021 (ref: IAC-850).

Advisory Notes

1. Where the cost of works exceeds \$25,000, the Head Contractor is to ensure that they have addressed their obligations under the Building and Construction Industry Long Service Payment Act 1986.
2. The head contractor is to ensure all required approvals from local government and other services authorities are obtained prior to the commencement of relevant works.



SCHEDULE 3

FIRE SAFETY SCHEDULE

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

ADDRESS:	Coffs Harbour Hospital 345 Pacific Highway COFFS HARBOUR NSW 2450
OWNER	NSW Health Infrastructure
BCA CROWN CERTIFICATE No.:	CRO-20069/A

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
Access Panels, Doors & Hoppers	BCA Clause C3.13 & AS 1530.4 - 2005
Alarm Signalling Equipment	AS 1670.3 – 2004
Automatic Fail Safe Devices	BCA Clause D2.21 & <i>Fire Safety Engineering Report prepared by LCI Consultants Report No. 19020-SB-FER01 Revision D dated 17 August 2021</i>
Automatic Fire Detection & Alarm System	BCA Spec. E2.2a & AS 1670.1 – 2015 & <i>Fire Safety Engineering Report prepared by LCI Consultants Report No. 19020-SB-FER01 Revision D dated 17 August 2021</i>
Automatic Fire Suppression Systems	BCA Spec. E1.5 & AS 2118.1 – 2017 & <i>Fire Safety Engineering Report prepared by LCI Consultants Report No. 19020-SB-FER01 Revision D dated 17 August 2021</i>
Emergency Lifts	BCA Clause E3.4 & AS 1735.2 – 2001
Emergency Lighting	BCA Clause E4.4 & AS 2293.1 – 2005
EWIS	BCA Clause E4.9 & AS 1670.4 – 2015 & <i>Fire Safety Engineering Report prepared by LCI Consultants Report No. 19020-SB-FER01 Revision D dated 17 August 2021</i>
Emergency Evacuation Plan	AS 3745 – 2010 & <i>Fire Safety Engineering Report prepared by LCI Consultants Report No. 19020-SB-FER01 Revision D dated 17 August 2021</i>
Exit Signs	BCA Clauses E4.5, E4.6 & E4.8; and AS 2293.1 – 2005
Fire Blankets	AS 3504 – 1995 & AS2444 – 2001
Fire Dampers	BCA Clause C3.15, AS 1668.1 – 2015 & AS 1682.1 & 2 – 1990
Fire Doors	BCA Clause C2.12, C2.13, C3.2, C3.3, C3.4, C3.5, C3.7, C3.8; and AS 1905.1 – 2015 & <i>Fire Safety Engineering Report prepared by LCI Consultants Report No. 19020-SB-FER01 Revision D dated 17 August 2021</i>
Fire Hose Reels	BCA Clause E1.4 & AS 2441 – 2005 & <i>Fire Safety Engineering Report prepared by LCI Consultants Report No. 19020-SB-FER01 Revision D dated 17 August 2021</i>
Fire Hydrant Systems	Clause E1.3 & AS 2419.1 – 2005 & <i>Fire Safety Engineering Report prepared by LCI Consultants Report No. 19020-SB-FER01 Revision D dated 17 August 2021</i>
Fire Seals	BCA Clause C3.15, AS 1530.4 - 2014 & AS 4072.1 – 2005
Lightweight Construction	BCA Clause C1.8 & AS 1530.3 – 1999
Mechanical Air Handling Systems (Auto-shutdown)	BCA Clause E2.2, AS/NZS 1668.1 – 2015 & AS 1668.2 – 2012
Paths of Travel	EP&A Regulation Clause 186
Portable Fire Extinguishers	BCA Clause E1.6 & AS 2444 – 2001 & <i>Fire Safety Engineering Report prepared by LCI Consultants Report No. 19020-SB-FER01 Revision D dated 17 August 2021</i>
Pressurisation Systems	BCA Clause E2.2 & AS/NZS 1668.1 – 2015
Required Exit Doors (power operated)	BCA Clause D2.19(b)



Statutory Fire Safety Measure	Design / Installation Standard
Smoke Hazard Management Systems (Smoke Exhaust)	BCA Part E2 & AS/NZS 1668.1 – 2015 & <i>Fire Safety Engineering Report prepared by LCI Consultants Report No. 19020-SB-FER01 Revision D dated 17 August 2021</i>
Smoke Dampers	AS/NZS 1668.1 – 2015
Smoke Doors	BCA Spec C3.4 & C2.5 & <i>Fire Safety Engineering Report prepared by LCI Consultants Report No. 19020-SB-FER01 Revision D dated 17 August 2021</i>
Stand-by Power Systems	BCA Clause E1.3 E3.4, E4.2 & E4.5; and AS 3000 – 2007
Wall-Wetting Sprinklers	BCA Clause C3.4 & AS 2118.2 – 2010 & <i>Fire Safety Engineering Report prepared by LCI Consultants Report No. 19020-SB-FER01 Revision D dated 17 August 2021</i>
Warning & Operational Signs	Section 183 of the EP&A Regulation 2000, AS 1905.1 – 2015, BCA Clause D3.6, D2.23, E3.3 & <i>Fire Safety Engineering Report prepared by LCI Consultants Report No. 19020-SB-FER01 Revision D dated 17 August 2021</i>
<p>Fire Engineering Alternative Solution relating to:</p> <ul style="list-style-type: none"> + Rationalise smoke separation to the slab edge and external walls junctions with the curtain wall facade in lieu of fire separation + Rationalisation of various compartments within the building as follows; <ul style="list-style-type: none"> <u>Ward areas:</u> <ol style="list-style-type: none"> i. Level 1 (Smoke Compartment 114a) – 535 m² ii. Level 1 (Fire Compartment 114) – 1012 m² iii. Level 2 (Smoke Compartment 121b) – 529 m² iv. Level 3 (Smoke Compartment 133a) – 504 m² <u>Treatment areas:</u> <ol style="list-style-type: none"> v. Level 1 (Fire Compartment 112) – 1033 m² vi. Level 3 (Fire Compartment 131) – 1085 m² + Rationalise the method of protection to the various linkways between the new and existing buildings. + Rationalise the method of protection between different fire compartments that are exposed to one another under Clause C3.3. + To permit fire/smoke doors to swing in a single direction namely against the direction of egress. + To permit the exit door from ground floor to ambulance bay area swinging inwards i.e. in the opposite direction of egress. + Rationalise smoke leakage to the dual swing fire/smoke doors. + Rationalise extended travel distances within the building namely <ul style="list-style-type: none"> <u>Ground Floor:</u> <ul style="list-style-type: none"> • Up to 27 m worst case to a point of choice between alternative exits from the reflection room/office area (non-patient care) <u>Level 1:</u> 	<p>BCA Performance Requirements CP1, CP2, CP3, CP8, DP2, DP4, DP5, DP6, EP1.1, EP1.3, EP1.4, EP2.1, EP2.2, EP4.3 & NSW GP5.1</p> <p><i>Fire Safety Engineering Report prepared by LCI Consultants Report No. 19020-SB-FER01 Revision D dated 17 August 2021</i></p>



Statutory Fire Safety Measure	Design / Installation Standard
<ul style="list-style-type: none"> • Up to 14.5 m to a point of choice from operating theatre, in lieu of 12 m. • Up to 14.5 m from ensuite within patient room to a point of choice, in lieu of 12 m. • Up to 35 m from ensuite within patient room to an exit, in lieu of 30 m. • Up to 47 m between alternative exits from operating rooms, in lieu of 45 m. <u>Level 3:</u> <ul style="list-style-type: none"> • Up to 17 m to a point of choice from the external balcony, in lieu of 12 m. • Up to 13 m from ensuite within patient room to a point of choice, in lieu of 12 m. <u>Level 4 Plant (non-patient care area):</u> <ul style="list-style-type: none"> • Up to 23 m to a point of choice, in lieu of 20 m. • Up to 45 m to an exit, in lieu of 40 m. + Rationalise the following having regards to the central atrium stair; <ul style="list-style-type: none"> • Atrium stair connecting more than two (2) storeys in a 9a building • Smoke exhaust rate to the atrium • The atrium space will not be provided with bounding walls set back by no more than 3.5 m from the perimeter of the atrium. • The atrium well not having a 6 m width throughout. + To permit egress via use of multiple horizontal exits before reaching an exit other than a Horizontal exit + Rationalise the following with respect of the helipad <ul style="list-style-type: none"> • Discharge of the fire isolated stair into Lv.3 atrium • The omission of stair pressurisation to this stair + The use of a non-fire isolated stairway from the helipad in lieu of a fire isolated stairway + To permit the path of travel from the Fire Isolated exits passing through the buildings linkways + Rationalise volume reductions to the EWIS speakers in ward/treatment areas and theatre spaces + Rationalise Fire Hose Reel coverage to various equipment rooms which are fire separated from the remainder of the building. + To permit sliding doors within a 9a building in the following areas <ul style="list-style-type: none"> • Manually operated sliding doors on Level 3 • Power operated doors on Level 1 + Rationalise FRL's to the ground café area 120min in lieu of 180min + Provision of traditional sprinkler with protective cover compliant with Clause 5.9.2 of AS 2118.1-2017, in lieu of a dry type system as required by BCA Specification E1.5 Clause 13. 	



Statutory Fire Safety Measure	Design / Installation Standard
<ul style="list-style-type: none"> + Omission of various equipment rooms fire separated off from the remainder of the building with 120min construction + Discharge of fire isolated exits under an awning which is greater than 6m from open space + Rationalise the location of the booster assembly is not located within sight of the main entrance of the building + Use of antiligature door hardware to the Safe Assessment Room + It is proposed for columns in the Café retail area which support the roof only not to be protected to achieve an FRL. + Rationalise separation to a number of mechanical risers are proposed to be open to the mechanical plant room level but will be fire separated from all other levels in lieu of fire separated at the top and bottom of the shaft + To permit certain steel members greater than 75 mm x 50 mm to penetrate the fire wall between Level 3 ICU and balcony. + To permit the fire walls to be sealed to the inner face of the curtain wall assembly + To permit fire hose reels to pass through a fire / smoke door in order to achieve fire hose reel coverage, as hose reels will not be provided within each room: <ul style="list-style-type: none"> • L1 Ante Room • L3 Balcony • L2 Assessment Rooms + To permit the following with respect of the fire hose reel system: <ul style="list-style-type: none"> • Ground Floor – ~9m from main entry airlock • Level 2 – ~4.5m from horizontal exit • <i>The fire hose reel located to the western end of the helipad is located on lower storey (Level 4)</i> • <i>Fire hose reel serving ICU on Level 3 passes through a fire door for coverage.</i> + Rationalise sprinkler coverage having regards to the use of privacy curtains in bedrooms which extend to the ceiling are proposed to incorporate a 70% open mesh in the top 500mm section of the curtain. + <i>Rationalise the FRL of the columns supporting the awning of the helipad lift lobby to achieve no FRL.</i> + <i>To permit timber noggings (combustible) within various (Internal walls only) non-loadbearing fire walls for the purposes of supporting handrails and hold open points.</i> + <i>To permit the air handling system serving the three ICU bays on Level 3 to continue to run in fire mode, when required to operate in 'Pandemic' mode.</i> 	



Statutory Fire Safety Measure	Design / Installation Standard
<ul style="list-style-type: none"><li data-bbox="165 271 619 389">+ <i>To permit the weatherproof membrane of the trafficable roof system to be combustible, in lieu of combustible as prescribed in AS 3959 for a 'roof covering accessory'.</i><li data-bbox="165 405 619 600">+ <i>To allow the use of motorised dampers the perforated ceilings located on the Ground Floor 'smoke reservoir' above fire/ smoke doors (i.e. from top of fire/smoke doors to the underside of false ceiling) to have a depth of 110 - 300 mm in various locations on Ground Floor and Level 1, in lieu of 400 mm.</i><li data-bbox="165 616 619 712">+ <i>To permit localised minor encroachments on the required 400mm smoke reservoir bulkheads within the linkways to Lv. 1.</i><li data-bbox="165 728 619 846">+ <i>To permit a variation to the test specimen for the fire door where a protective lining has been used to the fire doors, which is not tested to AS 1530.4 as prescribed by AS 1905.1.</i><li data-bbox="165 862 619 958">+ <i>It is proposed to permit a localised reduced width of 860mm in lieu of 1m occurs to the egress path from the Café back of house area on ground floor.</i>	