



BCA CROWN CERTIFICATE

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

CERTIFICATE No.:	CRO-22066
DATE OF CERTIFICATE:	28 June 2022
SUBJECT LAND:	
Lot & DP	Lot 2 DP 1043580
Address	5-39 Animoo Avenue Griffith NSW 2680
LOCAL GOVERNMENT AREA:	Griffith City Council
APPLICANT:	
Name	Arjuna Thiru Moorthy
Company	Health Infrastructure
Address	1 Reserve Road St Leonards NSW 2065
Phone/Email	Mobile: 0433 940 767 Email: Arjuna.thirumoorthy@health.nsw.gov.au
OWNER:	
Name	Health Administration Corporation
Address	1 Reserve Road St Leonards NSW 2065
Phone / Email	Phone: 02 9391 9000 Fax: 02 9391 9101
PLANNING APPROVAL (WHERE APPLICABLE):	
SSD No.:	SSD-9838218
Date of Determination	14 October 2021
DESCRIPTION OF DEVELOPMENT:	Crown Certificate 1: Milestones 1 & 3 - Demolition, civil works & inground services <u>only</u> In associated with the Griffith Base Hospital Redevelopment comprising; construction and operation of a three and four storey Clinical Services Building; provision of a clinical link to the St Vincents Private Hospital and Non-clinical Services Building; new internal access roads and car park areas; tree removal; demolition, remediation, landscaping, stormwater drainage and utility works; and new signage.
BCA CLASSIFICATION:	Class 9a
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 2019 (Amdt 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
BDC 0032

Date: 28 June 2022

Address Suite 2.01,
22-36 Mountain St
Ultimo NSW 2007

Postal PO Box 167
Broadway NSW 2007
ABN 18 408 985 851

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SCHEDULE 1

SCHEDULE OF DOCUMENTATION

+ Architectural Plans prepared by DJRD Architects:

DRAWING NUMBER	REV	DATE	DRAWING NUMBER	REV	DATE
B36_01-0051	9	9 APRIL 2022	B36_01-3301	1	20 APRIL 2022

+ Other documents:

ITEM	DOCUMENTATION	PREPARED BY	DATE
1.	Application Form	Health Infrastructure	3 May 2022
2.	Annual Fire Safety Statement	Murrumbidgee Local Health District	12 February 2020
3.	Fire Safety Certificate	Hutchinson Builders	10 November 2021
4.	Hydraulic Services Design Intent Certificate	ACOR Consultants Pty Ltd	27 April 2022
5.	Architectural Design Certificate	DJRD Architects Pty Ltd	13 April 2022
6.	Architectural Specification	DJRD Architects Pty Ltd	9 April 2022
7.	Civil Design Statement	ADCO	8 April 2022
8.	Evidence of Section 68 Submission	NSW Planning Portal	28 April 2022
9.	Certificate of Design – Electrical	Stantec	14 April 2022
10.	Trade Waste and Sewer Plan – Ground Floor Zone 2 Details	Quick Plumbing Group	14 April 2022
11.	Trade Waste and Sewer Plan – Lower Ground Details	Quick Plumbing Group	14 April 2022
12.	Bulk Earthworks Design	ACOR Consultants Pty Ltd	12 April 2022
13.	Inground Hydraulic Services Plan	Utech	19 April 2022
14.	Civil Design Certification	ACOR Consultants Pty Ltd	16 May 2022
15.	Civil & Structural Engineers Details	John Williams	Undated
16.	Stormwater Drainage Design Details	ACOR Consultants Pty Ltd	12 April 2022
17.	Staging Report, Conditions A9 and A10	Department of Planning, Industry & Environment	16 June 2022
18.	Evidence of Approval of Construction Staging Report	Department of Planning, Industry & Environment	Undated
19.	Construction Staging Report	Josh Innes	6 June 2022
20.	CNVMP Statement – SSSA Condition B6	E-LAB Consulting	23 May 2022
21.	Structural Design Details	ACOR Consultants Pty Ltd	24 March 2022
22.	Confirmation that dilapidation not required for residential properties	E-LAB Consulting	23 May 2022
23.	HI Guidelines Certification Statement	E-LAB Consulting	14 April 2022
24.	Interpretation Plan	DJRD Architects Pty Ltd	3 June 2022
25.	Heritage Interpretation Strategy	Betteridge Heritage	21 November 2021
26.	Contractor Licence Details	N Moit & Sons (NSW) Pty Ltd	21 June 2022
27.	Demolition Management Plan and Methodology	Moits	Undated
28.	Safety Compliance Statement	Moits	Undated
29.	Environmental Management Plan	ADCO	1 February 2022
30.	Construction Traffic Management Plan	PTC	28 April 2022
31.	Construction Noise and Vibration Management Sub-Plan	E-LAB Consulting	8 April 2022
32.	Environmental and Waste Management Plan	Moits	May 2022
33.	Aboriginal Archaeological & Cultural Heritage Management Plan (AACHMP)	Comber Consultants	February 2022



34.	Heritage Management Plan	Department of Planning and Environment	1 April 2022
35.	Statement confirming payment into the Biodiversity Conservation Fund for an offset obligation	Biodiversity Conservation Trust	16 May 2022
36.	Traffic Engineer Certification – Construction Parking	PTC	8 April 2022
37.	Construction Traffic Management Plan	PTC	28 April 2022
38.	Accredited Site Auditors Details	NSW EPA	13 May 2022
39.	Letter of Intent – Site Environmental Audits	ADCO Constructions Pty Ltd	26 April 2022
40.	ESD Initiatives Statement	E-LAB Consulting	14 April 2022
41.	Letter of Intent – Independent Audits	ADCO Constructions Pty Ltd	13 May 2022
42.	Notification Letter – Independent Auditors	Department of Planning and Environment	11 May 2022
43.	Construction Noise and Vibration Management Sub-Plan	E-LAB Consulting	18 May 2022
44.	Aconex email correspondence regarding provision of dilap reports and compliance SSSA Conditions B5, B6, B7, B8 and B18	ADCO Constructions Pty Ltd	27 April 2022



SCHEDULE 2

CONDITIONS OF BCA CROWN CERTIFICATE

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

1. No approval is given nor implied for the construction of works beyond the scope specifically approved by the Crown Certificate 1 (Milestones 1 & 3 - Demolition, civil works & inground services).
2. This Crown Certificate does not certify compliance with the conditions of Development Consent. 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.
3. The following documents from BCA Stage 1 – Crown List R3 dated 22.05.2022 is required to be provided to the satisfaction of BM+G prior to any works commencing:
 - a) **SSDA Conditions B5:** Provide evidence verifying that the following Pre-Construction activities have occurred:
 - (i) Consult with the **relevant asset owner and utilities provider of services and infrastructure** that are likely to be affected by the development to make suitable arrangements for access to, diversion, protection and support of the affected infrastructure;
 - (ii) Prepare a Pre-Construction Dilapidation Report identifying the condition of all public (non-footpaths) that have potential to be affected;
 - (iii) Provide evidence that the Pre-Construction Dilapidation Report has been **submitted to the asset owner and Council**; and
 - (iv) Submit a copy of the Pre-Construction Survey Report to BM+G;
 - (v) Provide evidence that the Pre-Construction Dilapidation Report has been **submitted to the Planning Secretary** when requested.
 - b) **SSDA Conditions B6:** Provide evidence verifying that the following Pre-Construction activities have occurred:
 - (i) Preparation of Pre-construction Dilapidation reports are to comply with E-LAB Construction Noise and Vibration Management Sub-Plan R002 Dated 18.05.2022 Section 6 and pre-commencement conditions B5, B6, B7 & B8.
 - (ii) Vibration monitoring is to be undertaken as follows:
 - A. Attended vibration monitoring shall be conducted at the commencement of work in order to verify the safe working distances.
 - B. If the levels are compliant with the vibration limits as listed in Section 4.2, then work may proceed based on the implementation of the measures detailed in this report.
 - C. If there are exceedances, reasonable and feasible mitigation measures and additional vibration monitoring should be conducted.
 - D. Measures to prevent cosmetic damage to surrounding structures are provided in Section 7.
 - c) **SSDA Conditions B7:** Where the offer for a pre-construction survey is accepted (where required by Condition B6), the Applicant to arrange for a survey to be undertaken by a suitably qualified and experienced expert prior to the commencement of vibration generating works that could impact on the identified buildings.
 - d) **SSDA Conditions B8:** Prior to the commencement of any vibration generating works that could impact on the buildings surveyed as required by Condition B7, the Applicant must:
 - (i) Provided a copy of the relevant survey to the owner of each residential building surveyed in the form of a Pre-Construction Survey Report
 - (ii) Submit a copy of the Pre-Construction Survey Report to BM+G;
 - (iii) Provide evidence that the Pre-Construction Survey Report has been **submitted to the Planning Secretary** when requested.
 - e) **SSDA Condition B14:** Prior to the commencement of construction, demolition work plans are required and to be accompanied by a written statement from a suitably qualified person that the proposals contained in the work plan comply with the safety requirements of the Standard.

Note: The work plans and the statement of compliance are to be **submitted to BM+G and Planning Secretary**.
 - f) **SSDA Condition B27:** Provide evidence of **submission to the Planning Secretary** a Heritage Interpretation Strategy and Plan for the archaeology and Aboriginal history of the site.
 - g) **SSDA Condition B30:** Provide evidence of the retirement of credits in satisfaction of Condition B28 or payment to the Biodiversity Conservation Fund to **be provided to the Planning Secretary**.
 - h) **SSD Condition C25:** The NER Civil Engineer's stormwater management system design for the development is to be submit to the satisfaction of the Water Authority/Council.
4. Demolition works are to be undertaken in accordance with the documentation listed in Schedule 1 & AS 2601-2001.



5. 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).
6. All building works associated with the subject development are to be carried out in accordance with the requirements of the Blackett Maguire + Goldsmith BCA Assessment Report Revision 8 dated 23 April 2021.
7. 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.
8. 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.

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 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 Approvals required by Griffith Council/Water Authority including the s.68 approval.



SCHEDULE 3

FIRE SAFETY SCHEDULE

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

ADDRESS: 5-39 Animoo Avenue, Griffith NSW 2680
OWNER Health Administration Corporation
BCA CROWN CERTIFICATE No.: CRO-22066

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 78 of the Environmental Planning and Assessment (Development Certification and Fire Safety) Regulation 2021, is deemed to be the current fire safety schedule for the building.

SCHEDULE

Statutory Fire Safety Measure	Design / Installation Standard	Existing	New / Altered
<u>NEW CLINICAL SERVICES BUILDING</u>			
Access Panels, Doors & Hoppers	BCA Clause C3.13 AS 1530.4 – 2014 Manufacturer's specifications		✓
Alarm Signalling Equipment	BCA Spec. E2.2a Clause 8 & AS 1670.3 – 2018		✓
Automatic Fail Safe Devices	BCA Clause D2.21		✓
Automatic Fire Detection & Alarm System	BCA Spec. E2.2a AS 1670.1 – 2018		✓
Automatic Fire Suppression Systems	BCA Spec. E1.5 AS 2118.1 – 2017		✓
Building Occupant Warning System activated by the Sprinkler System & Detection System	BCA Spec. E1.5, Clause 8 AS 1670.1 – 2018, Clause 3.22		✓
Emergency Lifts	BCA Clause E3.4 AS 1735.2 - 2001		✓
Emergency Lighting	BCA Clause E4.2, E4.4 & AS 2293.1 – 2018		✓
Emergency Evacuation Plan	AS 3745-2010		✓
Exit Signs	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	BCA Clause C3.15 & Spec. C2.5 AS 1668.1 – 2015 & AS 1682.1 & 2 – 2015 Manufacturer's specifications		✓
Fire Doors	BCA Clauses C2.12, C2.13, C3.5, C3.7, C3.8 AS 1905.1 – 2015 Manufacturer's specifications		✓
Fire Hose Reels	BCA Clause E1.4 AS 2441 – 2005		✓



Statutory Fire Safety Measure	Design / Installation Standard	Existing	New / Altered
Fire Hydrant Systems	BCA Clause E1.3 AS 2419.1 – 2005		✓
Fire Rated Elements Loadbearing (Concrete or Masonry)	BCA Spec. C1.1		✓
Fire Seals	BCA Clause C3.15 AS 1530.4 – 2014 & AS 4072.1 – 2005 Manufacturers' specifications		✓
Lightweight Construction	BCA Clause C1.8 AS 1530.4 – 2014 Manufacturer's specifications		✓
Fire Walls	BCA Spec. C1.1		✓
Manual Call Points	BCA Section E		✓
Mechanical Air Handling Systems (automatic shutdown)	BCA Clause E2.2 AS/NZS 1668.1 – 2015 & AS 1668.2 – 2012		✓
Paths of Travel	EP&A (DC&FS) Reg. 2021 Clause 109		✓
Portable Fire Extinguishers	BCA Clause E1.6 AS 2444 – 2001		✓
Pressurising Systems (Fire Isolated Stairways and associated Passageways)	BCA Clause E2.2 AS/NZS 1668.1 – 2015, & AS 1668.2 – 2012		✓
Required Exit Doors (power operated)	BCA Clause D2.19(b)		✓
Self-Closing Fire Hoppers	BCA Clause C3.13 AS 1530.4 – 2014		✓
Smoke Dampers	AS/NZS 1668.1 – 2015, AS 1682.1 & 2 – 2015, Manufacturer's specifications		✓
Smoke Doors	BCA Spec C3.4 & C2.5		✓
Smoke Walls	BCA Spec. C2.5		✓
Sound System & Intercom Systems for Emergency Purposes (SSISEP)	BCA Clause E4.9 & AS 1670.4 – 2018		✓
Stand-by Power Systems	BCA Clauses E1.3, E3.4, E4.2 & E4.5 AS 3000 – 2018		✓
Wall-Wetting Sprinklers	BCA Clause C3.4 AS 2118.2 – 2010		✓
Warning & Operational Signs	EP&A (DC&FS) Reg. 2021 Clause 108 BCA Clause D2.23, D3.6, E3.3 & AS 1905.1 – 2015		✓
AMBULATORY CARE HUB			
Alarm Signalling Equipment (via existing main FIP)	AS 1670.3 – 2004	✓	
Automatic Fail-Safe Devices	BCA Clause D2.21	✓	
Automatic Fire Detection & Alarm System	BCA Spec. E2.2a	✓	



	AS 1670.1 – 2015 & Fire Engineering Report No. SY180432 Rev R1.0 prepared by Warringtonfire dated 2 August 2019		
Emergency Lighting	BCA Clause E4.4 AS 2293.1 – 2005	✓	
Emergency Evacuation Plan	AS 3745 - 2002	✓	
Exit Signs	BCA Clauses E4.5, E4.6 & E4.8 AS 2293.1 – 2005	✓	
Fire Dampers	BCA Clause C3.15 AS/NZS 1668.1 – 2015 & AS 1682.1 & 2 – 2015	✓	
Fire Doors.	BCA Clause C2.12, C2.13, C3.5, C3.7, C3.8 AS 1905.1 – 2005	✓	
Fire Hose Reels	BCA Clause E1.4 AS 2441 – 2005 & Fire Engineering Report No. SY180432 Rev R1.0 prepared by Warringtonfire dated 2 August 2019	✓	
Fire Hydrant Systems	Clause E1.3 AS 2419.1 - 2005	✓	
Fire Seals	BCA Clause C3.15 AS 1530.4 – 2005 & AS 4072.1 – 2005 Manufactures Specifications	✓	
Fire Resisting Construction	BCA Section C & Fire Engineering Report No. SY180432 Rev R1.0 prepared by Warringtonfire dated 2 August 2019	✓	
Lightweight Construction	BCA Clause C1.8, AS 1530.4 – 2014 & Fire Engineering Report No. SY180432 Rev R1.0 prepared by Warringtonfire dated 2 August 2019	✓	
Manual Call Points	BCA Section E	✓	
Mechanical Air Handling Systems (automatic 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 & Fire Engineering Report No. SY180432 Rev R1.0 prepared by Warringtonfire dated 2 August 2019	✓	
Required Exit Doors (power operated)	BCA Clause D2.19(d)	✓	
Smoke Dampers	AS/NZS 1668.1 – 2015 & AS 1682.1 & 2 – 2015	✓	
Smoke Seals	BCA Spec. C3.4	✓	
Sound System & Intercom System for Emergency Purposes	BCA Clause E4.9 AS 1670.4 - 2015	✓	
Warning & Operational signs	BCA Clause D2.23.	✓	



	Section 183 of the EP & A Regulations 2000, AS1905.1 – 2005		
<u>INTENSIVE CARE UNIT</u>			
Access Panels, Doors & Hoppers	BCA Clause C3.13 AS 1530.4 – 2005	✓	
Alarm Signalling Equipment (via existing main FIP)	AS 1670.3 – 2004	✓	
Automatic Fail-Safe Devices	BCA Clause E2.2a, D2.21, AS1668.1, AS1670.1, AS1905, AS4178	✓	
Automatic Fire Detection & Alarm System	Ord 70.27.4, CA.15, AS1670 & BCA Spec. E2.2a AS 1670.1 – 2015 & Fire Engineering Report No. SY180432 Rev R1.0 prepared by Warringtonfire dated 2 August 2019	✓	
Emergency Lighting	BCA Clause E4.2, E4.4, & AS 2293.1 & AS 2293.1 – 2005	✓	
Emergency Evacuation Plan	AS 3745 - 2002	✓	
Emergency Warning Intercom System (EWIS)	BCA Spec E2.2a, E4.9 and AS2220.1	✓	
Exit Signs	BCA Clauses E4.5, E4.6 & E4.8 AS 2293.1 – 2005	✓	
Fire Blankets	AS3504, AS2444	✓	
Fire Dampers	BCA Clause C3.15 AS/NZS 1668.1 & AS 1682.1 & 2 & AS/NZS 1668.1 – 2015 & AS 1682.1 & 2 – 2015	✓	
Fire Doors.	Ord 70.22.7 CA 15, BCA Spec C3.4, AS1905.1	✓	
Fire Doors.	BCA Clause C2.12, C2.13, C3.5, C3.7, C3.8 AS 1905.1 – 2005	✓	
Fire Hose Reels	Ord 70.27.2 Min Spec 10 & BCA Clause E1.4 AS 2441 – 2005 & Fire Engineering Report No. SY180432 Rev R1.0 prepared by Warringtonfire dated 2 August 2019	✓	
Fire Hydrant Systems	Ord 70.27.3 Min Spec 10 & BCA Clause E1.3 AS 2419.1 - 2005	✓	
Fire Seals	BCA Clause C3.15 AS 1530.4 & AS 4072.1 Manufacturers Specifications	✓	
Fire Seals	BCA Clause C3.15 AS 1530.4 – 2005 & AS 4072.1 – 2005 Manufacturers Specifications	✓	
Fire Walls	BCA Spec. C1.1	✓	



Lightweight Construction	BCA Clause E1.8, C1.8, AS 1530.4 & BCA Clause E1.8, C1.8, AS 1530.4 – 2014 & Fire Engineering Report No. SY180432 Rev R1.0 prepared by Warringtonfire dated 2 August 2019	✓	
Manual Call Points	BCA Section E	✓	
Mechanical Air Handling Systems (automatic shutdown)	BCA Clause E2.2 AS/NZS 1668.1 – 2015 & AS 1668.2 – 2012	✓	
Paths of Travel	EP & A Regulation Clause 186	✓	
Perimeter Vehicular Access	BCA Clause C2.3, C2.4	✓	
Portable Fire Extinguishers	BCA Clause E1.6 & AS 2444 & BCA Clause E1.6 AS 2444 – 2001 & Fire Engineering Report No. SY180432 Rev R1.0 prepared by Warringtonfire dated 2 August 2019	✓	
Required Exit Doors (power operated)	BCA Clause D2.19(d)	✓	
Smoke Dampers	AS/NZS 1668.1 – 2015 & AS 1682.1 & 2 – 2015	✓	
Smoke Doors	BCA Spec.C2.5 & C3.4	✓	
Smoke Seals	BCA Spec. C3.4	✓	
Smoke Walls	BCA Spec. C2.5	✓	
Sound System & Intercom System for Emergency Purposes	BCA Clause E4.9 AS 1670.4 - 2015	✓	
Stand-by Power Systems	AS/NZS3009	✓	
Wall-wetting sprinklers	BCA Clause C3.4 AS 2118.2 – 2010	✓	
Warning & Operational signs	BCA Clause D2.23. Section 183 of the EP & A Regulations 2000, AS1905.1 – 2005	✓	
<u>IN PATIENT UNIT</u>			
Access Panels, Doors & Hoppers	BCA Clause C3.13 AS 1530.4 – 2005	✓	
Alarm Signalling Equipment (via existing main FIP)	AS 1670.3 – 2004	✓	
Automatic Fail-Safe Devices	BCA Clause E2.2a, D2.21, AS1668.1, AS1670.1, AS1905, AS4178 BCA Clause D2.21	✓	
Automatic Fire Detection & Alarm System	Ord 70.27.4, CA.15, AS1670 & BCA Spec. E2.2a AS 1670.1 – 2015 Ord 70.27.4, CA.15, AS1670	✓	



Emergency Lighting	BCA Clause E4.2, E4.4 & AS 2293.1 AS 2293.1 – 2005	✓	
Emergency Evacuation Plan	AS 3745 - 2002	✓	
Emergency Warning Intercom System (EWIS) (existing)	BCA Spec E2.2a, E4.9 and AS2220.1	✓	
Exit Signs	BCA Clauses E4.5, E4.6 & E4.8 AS 2293.1 – 2005	✓	
Fire Blankets	AS3504, AS2444	✓	
Fire Dampers	BCA Clause C3.15 AS/NZS 1668.1 & AS 1682.1 & 2, AS/NZS 1668.1 – 2015 & AS 1682.1 & 2 – 2015	✓	
Fire Doors.	Ord 70.22.7 CA 15, BCA Spec C3.4, AS1905.1 & BCA Clause C2.12, C2.13, C3.5, C3.7, C3.8 AS 1905.1 – 2005	✓	
Fire Hose Reels	Ord 70.27.2 Min Spec 10, BCA Clause E1.4 AS 2441 – 2005	✓	
Fire Resistance Levels (External Wall System)	Ord 70.27.3 Min Spec 10, Performance - Fire Engineering Report No. SY180432 Rev R1.0 prepared by Warringtonfire dated 2 August 2019 including: External walls including all components incorporated within them must be non-combustible in accordance with clause C1.9 of the NCC unless otherwise specified in the report. The sarking material incorporated in the external wall systems of the ICU and IPU expansion must not be more than 1mm in thickness and have a flammability index no greater than 5.	✓	
Fire Seals	BCA Clause C3.15 AS 1530.4 & AS 4072.1, AS 1530.4 – 2005 & AS 4072.1 – 2005 Manufacturers Specifications	✓	
Lightweight Construction	BCA Clause E1.8, C1.8, AS 1530.4, BCA Clause C1.8, AS 1530.4 – 2014	✓	
Manual Call Points	BCA Section E	✓	
Mechanical Air Handling Systems (automatic shutdown)	BCA Clause E2.2 AS/NZS 1668.1 – 2015 & AS 1668.2 – 2012	✓	
Paths of Travel	EP & A Regulation Clause 186	✓	
Perimeter Vehicular Access	BCA Clause C2.3, C2.4	✓	
Portable Fire Extinguishers	BCA Clause E1.6 & AS 2444 AS 2444 – 2001	✓	



Required Exit Doors (power operated)	BCA Clause D2.19(d)	✓	
Sound System & Intercom System for Emergency Purposes	BCA Clause E4.9 AS 1670.4 - 2015	✓	
Stand-by Power Systems	AS/NZS3009	✓	
Warning & Operational signs	BCA Clause D2.23. Section 183 of the EP & A Regulations 2000, AS1905.1 – 2005	✓	

Summary of Existing Fire Engineered Performance Solutions
Fire Engineering Report No. SY180432 Rev 1.0 dated 2 August 2019 prepared by Warringtonfire

Performance Solution	Standard of Performance	Existing	New / Altered
1. The new external walls of the IPU and ICU expansions include sarking material that is combustible.	CP2 & CP4	✓	
2. The following loadbearing elements of the ICU expansion achieve a 1- hour fire rating instead of 2 hours: <ul style="list-style-type: none"> • Columns within external walls of the ground floor expansion • External columns on the lower ground floor which support the expansion 	CP1 & CP2	✓	
3. A number of smoke doors within the ACH swing against the direction of egress	DP2 & DP4	✓	
4. Portable fire extinguishers will be provided to the existing waiting room within the ICU in lieu of fire hose reel coverage.	EP1.1	✓	



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.