BCA CROWN CERTIFICATE

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

CERTIFICATE NO.:	CRO-22042
DATE OF CERTIFICATE:	09 May 2022
SUBJECT LAND:	
Lot & DP	Part Lot 1528 & 1530 DP 752011 Lot 1 DP 205794
Address	40-44 Driver Avenue MOORE PARK NSW 2021
LOCAL GOVERNMENT AREA:	City of Sydney
APPLICANT:	
Name	Paul Cassel
Company	John Holland Pty Ltd
Address	PO BOX 175 SURRY HILLS NSW 2021
Phone/Email	Phone: 1800 414 020 Email: Communitysfsr@jhg.com.au
OWNER:	
Name	Infrastructure NSW
Address	Level 25, MLC Centre 19 Martin Place SYDNEY NSW 2000
Phone / Email	Phone: 02 8016 0100 Fax: 02 8016 0100
PLANNING APPROVAL:	
Development Consent No.:	SSD-9835 dated 6 December 2019 SSD 9835 MOD 1 dated 3 April 2020
DESCRIPTION OF DEVELOPMENT:	Crown Certificate #5b: Balance of building works, public domain and landscaping works.
BCA CLASSIFICATION:	Class 5, 7a, 7b, 9b, 10b
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, subject to the attached Conditions.

EXCLUSIONS & CONDITIONS:	As listed in Schedule 2
PERSON UNDERTAKING CERTIFICATION OF DESIGN ON BEHALF OF THE CROWN:	
SIGNATURE	Date: 09 May 2022
Accredited Certifier in NSW Accreditation No.	David Blackett BDC 0032

Address Suite 2.01, 22-36 Mountain St Ultimo NSW 2007
Postal PO Box 167 Broadway NSW 2007
ABN 18 408 985 851
Contact Ph: 02 9211 7777 Fax: 02 9211 7774 Email: admin@bmplusg.com.au

SCHEDULE 1

SCHEDULE OF DOCUMENTATION

+ Architectural Plans prepared by Cox Architecture for CRO-22042:

DRAWING NUMBER	REV	DATE	DRAWING NUMBER	REV	DATE
SFS-COX-01-DR-AR13B100	E	23 March 2021	SFS-COX-01-DR-AR20L520	N	18 November 2021
SFS-COX-01-DR-AR13L000	G	22 April 2022	SFS-COX-01-DR-AR20L591	C	19 August 2021
SFS-COX-01-DR-AR13L1M00	F	22 March 2021	SFS-COX-01-DR-AR20L592	C	19 August 2021
SFS-COX-01-DR-AR13L100	G	22 March 2021	SFS-COX-01-DR-AR20L593	C	19 August 2021
SFS-COX-01-DR-AR13L200	E	22 March 2021	SFS-COX-01-DR-AR20L594	C	19 August 2021
SFS-COX-01-DR-AR13L300	D	22 March 2021	SFS-COX-01-DR-AR26L1M11	E	30 July 2021
SFS-COX-01-DR-AR13L400	D	22 March 2021	SFS-COX-01-DR-AR26L1M12	B	23 April 2021
SFS-COX-01-DR-AR13L500	E	22 March 2021	SFS-COX-01-DR-AR26L1M13	A	23 April 2021
SFS-COX-01-DR-AR13L590	A	09 October 2020	SFS-COX-01-DR-AR26L1M14	C	21 February 2022
SFS-COX-01-DR-AR13RF00	A	01 December 2020	SFS-COX-01-DR-AR26L1M15	E	21 February 2022
SFS-COX-01-DR-AR14B100	F	17 December 2020	SFS-COX-01-DR-AR26L1M16	A	23 April 2021
SFS-COX-01-DR-AR14L1M00	M	18 June 2021	SFS-COX-01-DR-AR26L1M17	B	23 April 2021
SFS-COX-01-DR-AR14L000	F	17 December 2020	SFS-COX-01-DR-AR26L1M18	B	23 April 2021
SFS-COX-01-DR-AR14L100	M	1 May 2021	SFS-COX-01-DR-AR26L1M19	H	23 November 2021
SFS-COX-01-DR-AR14L200	K	11 May 2021	SFS-COX-01-DR-AR26L1M20	H	13 July 2021
SFS-COX-01-DR-AR14L300	M	12 January 2022	SFS-COX-01-DR-AR26L011	G	14 September 2021
SFS-COX-01-DR-AR14L400	L	11 November 2021	SFS-COX-01-DR-AR26L012	E	14 September 2021
SFS-COX-01-DR-AR14L500	K	20 July 2021	SFS-COX-01-DR-AR26L013	D	16 April 2021
SFS-COX-01-DR-AR20B116	E	17 December 2020	SFS-COX-01-DR-AR26L014	E	14 September 2021
SFS-COX-01-DR-AR20L1M11	L	11 May 2021	SFS-COX-01-DR-AR26L015	E	14 September 2021
SFS-COX-01-DR-AR20L1M12	L	19 July 2021	SFS-COX-01-DR-AR26L016	E	14 September 2021
SFS-COX-01-DR-AR20L1M13	N	22 November 2021	SFS-COX-01-DR-AR26L017	E	14 September 2021
SFS-COX-01-DR-AR20L1M14	L	11 November 2021	SFS-COX-01-DR-AR26L018	E	14 September 2021
SFS-COX-01-DR-AR20L1M15	L	11 November 2021	SFS-COX-01-DR-AR26L019	L	04 March 2022
SFS-COX-01-DR-AR20L1M16	M	11 November 2021	SFS-COX-01-DR-AR26L020	K	02 March 2022
SFS-COX-01-DR-AR20L1M17	H	19 March 2021	SFS-COX-01-DR-AR26L024	E	08 July 2021

SFS-COX-01-DR-AR20L1M18	L	11 November 2021	SFS-COX-01-DR-AR26L025	D	16 April 2021
SFS-COX-01-DR-AR20L1M19	P	03 December 2021	SFS-COX-01-DR-AR26L111	C	21 April 2021
SFS-COX-01-DR-AR20L1M20	M	03 December 2021	SFS-COX-01-DR-AR26L112	J	23 November 2021
SFS-COX-01-DR-AR20L011	L	22 November 2021	SFS-COX-01-DR-AR26L113	D	10 September 2021
SFS-COX-01-DR-AR20L012	H	10 February 2022	SFS-COX-01-DR-AR26L114	F	18 November 2021
SFS-COX-01-DR-AR20L013	H	10 February 2022	SFS-COX-01-DR-AR26L115	F	18 November 2021
SFS-COX-01-DR-AR20L014	H	11 May 2021	SFS-COX-01-DR-AR26L116	G	30 November 2021
SFS-COX-01-DR-AR20L015	J	10 February 2022	SFS-COX-01-DR-AR26L117	G	30 November 2021
SFS-COX-01-DR-AR20L016	L	24 February 2022	SFS-COX-01-DR-AR26L118	J	30 November 2021
SFS-COX-01-DR-AR20L017	J	10 February 2022	SFS-COX-01-DR-AR26L119	G	17 January 2022
SFS-COX-01-DR-AR20L018	J	25 August 2021	SFS-COX-01-DR-AR26L120	J	17 January 2022
SFS-COX-01-DR-AR20L019	U	22 April 2022	SFS-COX-01-DR-AR26L211	E	17 November 2021
SFS-COX-01-DR-AR20L020	Q	24 February 2022	SFS-COX-01-DR-AR26L212	2	03 July 2020
SFS-COX-01-DR-AR20L023	J	25 August 2021	SFS-COX-01-DR-AR26L213	E	15 February 2022
SFS-COX-01-DR-AR20L024	F	10 February 2021	SFS-COX-01-DR-AR26L214	F	15 February 2022
SFS-COX-01-DR-AR20L025	H	22 November 2021	SFS-COX-01-DR-AR26L215	G	15 February 2022
SFS-COX-01-DR-AR20L026	F	10 February 2021	SFS-COX-01-DR-AR26L216	E	15 February 2022
SFS-COX-01-DR-AR20L111	Q	01 December 2021	SFS-COX-01-DR-AR26L217	2	03 July 2020
SFS-COX-01-DR-AR20L112	P	01 December 2021	SFS-COX-01-DR-AR26L218	D	30 July 2021
SFS-COX-01-DR-AR20L113	K	09 September 2021	SFS-COX-01-DR-AR26L219	H	12 January 2022
SFS-COX-01-DR-AR20L114	Q	01 December 2021	SFS-COX-01-DR-AR26L220	G	12 January 2022
SFS-COX-01-DR-AR20L115	Q	06 December 2021	SFS-COX-01-DR-AR26L311	E	21 February 2022
SFS-COX-01-DR-AR20L116	P	01 December 2021	SFS-COX-01-DR-AR26L313	F	21 February 2022
SFS-COX-01-DR-AR20L117	M	01 December 2021	SFS-COX-01-DR-AR26L314	H	21 February 2022
SFS-COX-01-DR-AR20L118	L	06 December 2021	SFS-COX-01-DR-AR26L315	H	21 February 2022
SFS-COX-01-DR-AR20L119	M	01 December 2021	SFS-COX-01-DR-AR26L316	F	21 February 2022
SFS-COX-01-DR-AR20L120	M	01 December 2021	SFS-COX-01-DR-AR26L318	E	21 February 2022
SFS-COX-01-DR-AR20L123	B	17 December 2020	SFS-COX-01-DR-AR26L319	G	21 February 2022
SFS-COX-01-DR-AR20L124	B	17 December 2020	SFS-COX-01-DR-AR26L320	G	21 February 2022

SFS-COX-01-DR-AR20L125	B	17 December 2020	SFS-COX-01-DR-AR26L411	D	22 February 2022
SFS-COX-01-DR-AR20L130	D	17 December 2020	SFS-COX-01-DR-AR26L413	D	22 February 2022
SFS-COX-01-DR-AR20L131	C	17 December 2020	SFS-COX-01-DR-AR26L414	E	04 March 2022
SFS-COX-01-DR-AR20L191	F	23 August 2021	SFS-COX-01-DR-AR26L415	E	04 March 2022
SFS-COX-01-DR-AR20L192	F	23 September 2021	SFS-COX-01-DR-AR26L416	C	22 February 2022
SFS-COX-01-DR-AR20L193	E	04 May 2021	SFS-COX-01-DR-AR26L418	C	22 February 2022
SFS-COX-01-DR-AR20L211	K	16 August 2021	SFS-COX-01-DR-AR26L419	F	04 March 2022
SFS-COX-01-DR-AR20L212	F	16 August 2021	SFS-COX-01-DR-AR26L420	F	04 March 2022
SFS-COX-01-DR-AR20L213	J	16 August 2021	SFS-COX-01-DR-AR26L511	A	30 April 2021
SFS-COX-01-DR-AR20L214	L	16 August 2021	SFS-COX-01-DR-AR26L513	A	30 April 2021
SFS-COX-01-DR-AR20L215	H	16 August 2021	SFS-COX-01-DR-AR26L514	A	30 April 2021
SFS-COX-01-DR-AR20L216	J	16 August 2021	SFS-COX-01-DR-AR26L515	A	30 April 2021
SFS-COX-01-DR-AR20L217	F	16 August 2021	SFS-COX-01-DR-AR26L516	A	30 April 2021
SFS-COX-01-DR-AR20L218	K	16 August 2021	SFS-COX-01-DR-AR26L518	A	30 April 2021
SFS-COX-01-DR-AR20L219	H	16 August 2021	SFS-COX-01-DR-AR26L519	A	30 April 2021
SFS-COX-01-DR-AR20L220	H	16 August 2021	SFS-COX-01-DR-AR26L520	A	30 April 2021
SFS-COX-01-DR-AR20L311	K	11 January 2022	SFS-COX-01-DR-AR31XX01	A	04 December 2020
SFS-COX-01-DR-AR20L313	H	27 August 2021	SFS-COX-01-DR-AR31XX02	A	04 December 2020
SFS-COX-01-DR-AR20L314	J	27 August 2021	SFS-COX-01-DR-AR31XX03	A	04 December 2020
SFS-COX-01-DR-AR20L315	J	27 August 2021	SFS-COX-01-DR-AR31XX04	A	04 December 2020
SFS-COX-01-DR-AR20L316	H	27 August 2021	SFS-COX-01-DR-AR31XX05	A	04 December 2020
SFS-COX-01-DR-AR20L318	L	11 January 2022	SFS-COX-01-DR-AR31XX06	A	04 December 2020
SFS-COX-01-DR-AR20L319	N	10 February 2022	SFS-COX-01-DR-AR31XX07	A	04 December 2020
SFS-COX-01-DR-AR20L320	M	10 February 2022	SFS-COX-01-DR-AR31XX08	A	04 December 2020
SFS-COX-01-DR-AR20L411	M	30 July 2021	SFS-COX-01-DR-AR31XX09	A	04 December 2020
SFS-COX-01-DR-AR20L413	M	30 July 2021	SFS-COX-01-DR-AR31XX10	A	04 December 2020
SFS-COX-01-DR-AR20L414	N	30 July 2021	SFS-COX-01-DR-AR31XX11	A	04 December 2020
SFS-COX-01-DR-AR20L415	N	30 July 2021	SFS-COX-01-DR-AR31XX12	A	04 December 2020
SFS-COX-01-DR-AR20L416	M	30 July 2021	SFS-COX-01-DR-AR31XX13	A	04 December 2020

SFS-COX-01-DR-AR20L418	M	30 July 2021	SFS-COX-01-DR-AR31XX14	A	04 December 2020
SFS-COX-01-DR-AR20L419	N	30 July 2021	SFS-COX-01-DR-AR010001	4	06 August 2020
SFS-COX-01-DR-AR20L420	N	30 July 2021	SFS-COX-01-DR-AR010002	2	06 August 2020
SFS-COX-01-DR-AR20L491	B	09 August 2021	SFS-COX-01-DR-AR100001	1	14 February 2020
SFS-COX-01-DR-AR20L492	B	09 August 2021	SFS-COX-01-DR-AR100002	2	05 Mach 2020
SFS-COX-01-DR-AR20L511	H	19 March 2021	SFS-COX-01-DR-AR100003	4	05 March 2020
SFS-COX-01-DR-AR20L513	H	19 March 2021	SFS-COX-01-DR-AR100004	1	14 February 2020
SFS-COX-01-DR-AR20L514	M	09 September 2021	SFS-COX-01-DR-AR100005	1	14 February 2020
SFS-COX-01-DR-AR20L515	M	08 September 2021	SFS-COX-01-DR-AR100006	A	21 January 2021
SFS-COX-01-DR-AR20L516	H	19 March 2021	SFS-COX-01-DR-AR100007	2	21 February 2020
SFS-COX-01-DR-AR20L518	H	19 March 2021	SFS-COX-01-DR-AR100008	D	06 April 2022
SFS-COX-01-DR-AR20L519	M	19 July 2021	SFS-COX-01-DR-AR100009	1	17 April 2020

+ Other documents:

ITEM	DOCUMENTATION	PREPARED BY	DATE
CRO-21006:			
1.	Evidence of submission of CPTED to Department of Planning Infrastructure and Environment (herein DPIE)	DPIE	1 September 2020
2.	Letter of Conditions for building over/adjacent to Sydney Water asset – Sections A-A, B-B, C-C and F-F	Sydney Water	15 July 2020
3.	Letter of Conditions for building over/adjacent to Sydney Water asset – Sections A-A, B-B, C-C, F-F and D-D	Sydney Water	22 September 2020
4.	Heritage Interpretation Plan	Artefact Heritage Services	19 October 2020
5.	SSDA Public Domain Statement	Aspect Studios	12 June 2019
6.	Design Statement – Hydraulics	Stantec PL	29 January 2021
7.	Evidence of submission of Sustainability Management Plan	DPIE	30 September 2020
8.	Review and comments of Sustainability Management Plan	DPIE	19 November 2020
9.	Email instructing BM+G review of revised Sustainability Management Plan	DPIE	30 September 2020
10.	Letter to DPIE outlining Condition B12 – submission of final Public Domain Plan	Infrastructure NSW	20 November 2020
11.	Evidence of submission of Post Approval Plan	DPIE	21 October 2020
12.	Aeroacoustic Report – Wind Generated Noise	RWDI	9 October 2020
13.	Aeroacoustic Report review and comments	DPIE	20 November 2020
14.	Design Certificate – Civil Engineering: stormwater and public domain works	Aurecon Australasia PL	18 November 2020
15.	Letter requesting additional information – Heritage Interpretation Plan	DPIE	1 December 2020
16.	Email confirmation of receipt and no objection to Fire Engineering Report	Infrastructure NSW	26 November 2020

17.	Design Statement – Landscape Architecture	Aspect Studios PL	25 November 2020
18.	SSD B3 – Structural Drawings	Aurecon Australasia PL	21 August 2020
19.	Application to FRNSW	John Holland PL	30 January 2020
20.	SSD A47 – Letter to DPIE confirming second audit	Infrastructure NSW	21 October 2020
21.	Independent Audit Report	Wolf Peak PL	20 October 2020
22.	Notification to DPIE of Public Art Plan	Infrastructure NSW	20 November 2020
23.	Public Art Plan	Culture Capital PL	TBC
24.	SSD B46 – Letter to DPIE enclosing Heritage Interpretation Plan	Infrastructure NSW	8 December 2020
25.	Outstanding BCA non-conformances	COX Architecture PL	10 December 2020
26.	Design Statement – Structural	Aurecon Australasia PL	18 December 2020
27.	Letter to Infrastructure NSW – evidence to be submitted to satisfactorily address Condition B8(c)	Planning Secretary	17 November 2020
28.	Fire Engineering Report	ARUP Australia PL	17 December 2020
29.	Evidence of Infrastructure NSW submission of B8(c) requirements to the Planning Secretary	DPIE	17 December 2020
30.	Letter to DPIE requesting confirmation of Condition B8 close out	Infrastructure NSW	16 December 2020
31.	Email confirmation of PV Cells MOD 4 submitted to DPIE	John Holland PL	18 December 2020
32.	SSD B7 & B20 – evidence condition closed out	John Holland PL	18 December 2020
33.	Letter to Planning Secretary – scoping request for section 4.55 modification consent	Infrastructure NSW	18 December 2020
34.	Letter to Infrastructure NSW – request for additional information re Public Domain Plan	DPIE	4 December 2020
35.	Public Domain Plan review and comments	Aspect Studios PL	4 December 2020
36.	Evidence of review of the strategies, plans and programs of development consent	John Holland PL	6 January 2020
37.	Certificate of Design – mechanical services	A.G. Coombs PL	23 December 2020
38.	Weatherproofing Report	Permasteelisa PL	14 January 2021
39.	Certificate of Design – Architecture	Cox Architecture PL	14 January 2021
40.	Architectural Drawing Transmittal	Cox Architecture PL	2 February 2021
41.	Architectural Specification ev. 1	Cox Architecture PL	3 February 2020
42.	JV3 Verification Assessment Report	LCI	15 January 2020
43.	Letter of acknowledgment that Stadium will require addition toilets for concert mode.	Cox Architecture PL	21 January 2021
44.	Fire Services Design Statement – CC5 Balance of Building Works	BSA	29 January 2021
45.	Certificate of Design – electrical	Fredon Industries PL	13 January 2021
46.	Certificate of Design – façade	Permasteelisa PL	29 January 2021
47.	External wall system Disclosure Statement	Permasteelisa PL	29 January 2021
48.	Seating and Sightline Report	Cox Architecture PL	19 December 2020
49.	Wheelchair seating drawing – concert stage	Cox Architecture PL	2 February 2021
50.	Architectural drawings	Cox Architecture PL	December 2020
51.	Extract from Flexibility Report to confirm wheelchair seating in Concert Mode	Cox Architecture PL	January 2021
52.	Correspondence relating to the ongoing Jemena Gas Approval	John Holland PL	5 February 2021
53.	Correspondence on theAnti-Social Behaviour Strategy Approval	Savills Project Management PL	1 September 2020
CRO-22042:			

54.	Performance Based Design Solution Report (Access) Revision B	iAccess Group PL	14 December 2021
55.	Part 5 Project Authorisation Order –Access Exemption Letter	Infrastructure NSW	28 July 2021
56.	Flexibility Report	Cox Architecture	May 2021
57.	Combined Fire Hydrant Plans	BSA	22 January 2021
58.	JV3 Verification Assessment Report Revision G	LCI	11 November 2021
59.	Safe Movement Performance Solution Assessment Report Ref. UN95338	Unisearch (USYD)	21 July 2021
60.	Emergency Lighting Alternative SFS Performance Solution Assessment Report (PS6 and PS7) Ref. UN95338	Unisearch (USYD)	21 July 2021
61.	Performance Solution Addressing Non-Compliance of Nosings with AS 1428.1-2021 Ref. UN95338	Unisearch (USYD)	October 2021
62.	Performance Solution For Stairs SR1 and SR2	Unisearch (USYD)	21 April 2021
63.	Lowered Ceiling Performance Solution To maintain Spatial Design Adequacy Performance Assessment Report Ref. UN95338	Unisearch (USYD)	13 April 2022
64.	Sustainability Management Plan Approval Ref SSD-99835-PA-72	DPIE	03 August 2021
65.	SSD Condition A55 close out	Infrastructure NSW	03 August 2020
66.	NBN Design Approval Ref ND000065984 – SSD Condition AN6 close out	NBN Co	09 March 2021
67.	NBN Schematic Designs	Fredon	30 October 2020
68.	Approval – Aero-Acoustic Assessment of Wind Generated Noise incorporation into design	DPIE	23 February 2021
69.	Public Art Plan	Infrastructure NSW	2020
70.	Public Art Plan Approval	DPIE	01 March 2021
71.	Design Statement – Architectural	ASPECT Studios	25 November 2020
72.	Public Domain Approval – SSD Conditions B12 and B13	DPIE	23 July 2021
73.	SSD Conditions B20, A55 and B9 Approval close out	Savills Project Management PL	04 September 2021
74.	Revisions of Strategies, Plans and Programs – SSD Condition A55 close out	Infrastructure NSW	03 August 2020
75.	Submission of Sustainability Management Plan Confirmation	DPIE	30 September 2020
76.	Tabulated DPIE Commentary: Ecologically Sustainable Development Design (prepared for INSW) (SSD Condition B20 close out)	John Holland	30 December 2020
77.	Updated Approval Sustainablility Management Plan (SSD Conditions A55, B19 and B20 close out)	DPIE	03 August 2021
78.	Written Report Not Provided Ref: FRN20/2309	FRNSW	30 March 2021
79.	Combined Fire Hose Reel Plans	Stantec	7 February 2021

SCHEDULE 2

CONDITIONS OF BCA CROWN CERTIFICATE

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

1. Finalisation of hearing augmentation details must be provided and resolved prior to the installation of these works.

2. Fire & Rescue NSW have not provided an Initial Fire Safety Report (IFSR) within the statutory timeframe. If an IFSR or response is provided by FRNSW there recommendations must be incorporated into the Fire Engineering Report.

3. Any new issue that requires a fire engineered performance solution should be provided to FRNSW for comment through the FEBQ process unless BM+G deems it as not being necessary.

4. All building works associated with the subject development are to be carried out in accordance with the approved documentation listed above in Schedule 1 and previously issued Crown Certificates.

   Any departure from the documentation cannot be undertaken without the review and approval by Blackett Maguire + Goldsmith.

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.

SCHEDULE 3

FIRE SAFETY SCHEDULE

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

ADDRESS:	40-44 Driver Avenue MOORE PARK NSW 2021
OWNER	Infrastructure NSW
BCA CROWN CERTIFICATE NO.:	CRO-22042

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	Proposed
Access Panels, Doors & Hoppers	BCA Clause C3.13 & AS 1530.4 – 2014 and Manufacturer's specifications	✓
Alarm Signalling Equipment	AS 1670.3 – 2018	✓
Automatic Fail Safe Devices	BCA Clause D2.21	✓
Automatic Fire Detection & Alarm System *Detection spacing reduced to 8m for part of the level 2 east function room*	BCA Spec. E2.2a, AS 1670.1 – 2018 and Fire Engineering Report, ref. 276040, revision 1, dated 27/10/2021, prepared by ARUP	✓
Automatic Fire Suppression Systems *All sprinklers heads to be fast response (RTI <50)* *Ansul (or equivalent) suppression system to the kitchen cooking areas and extract hoods* *Sprinklers required within 300mm of glazing inside of the egress path from the Camera Deck*	BCA Spec. E1.5, AS 2118.1 – 2017 and Fire Engineering Report, ref. 276040, revision 1, dated 27/10/2021, prepared by ARUP	✓
Emergency Lifts *Are not fire separated from the adjacent lift as all lifts are emergency lifts*	BCA Clause E3.4, AS 1735.2 – 2001 and Fire Engineering Report, ref. 276040, revision 1, dated 27/10/2021, prepared by ARUP	✓
Emergency Lighting	BCA Clause E4.2, E4.4, AS 2293.1 – 2018, Fire Engineering Report, ref. 276040, revision 1, dated 27/10/2021, prepared by ARUP, and Safe Movement Emergency Lighting Alternative Performance Solution Report ref. UN95338, dated 21 July 2021, prepared by UNISEARCH	✓
Emergency Evacuation Plan	AS 3745-2010 and Fire Engineering Report, ref. 276040, revision 1, dated 27/10/2021, prepared by ARUP	✓
Exit Signs	BCA Clauses E4.5, E4.6, E4.8, AS 2293.1 – 2018, Fire Engineering Report, ref. 276040, revision 1, dated 27/10/2021, prepared by ARUP, and Safe Movement Performance Solution Report ref. UN95338, dated 21 July 2021, prepared by UNISEARCH	✓
Fire Control Centre	BCA Spec E1.8	✓
Fire Blankets	AS 3504 – 1995 & AS2444 – 2001	✓
Fire Dampers *Including variation of basement ring-road side of the dampers*	BCA Clause C3.15, AS 1668.1 – 2015 & AS 1682.1 & 2 – 2015 and manufacturer's specification	✓
Fire Doors *Sliding fire door to south-east of the basement*	BCA Clause C2.12, C2.13, C3.2, C3.4, C3.5, C3.6, C3.7, C3.8, AS 1905.1 – 2015, manufacturer's specification and Fire Engineering Report, ref. 276040, revision 1, dated 27/10/2021, prepared by ARUP	✓
Fire Hose Reels	BCA Clause E1.4, AS 2441 – 2005 and Fire Engineering Report, ref. 276040, revision 1, dated 27/10/2021, prepared by ARUP	✓
Fire Hydrant Systems *Coverage of the playing field and external seating areas is by two hose lengths*	BCA Clause E1.3, AS 2419.1 – 2005 and Fire Engineering Report, ref. 276040, revision 1, dated 27/10/2021, prepared by ARUP	✓

Statutory Fire Safety Measure	Design / Installation Standard	Proposed
Variation to achieve coverage in the vertically stacked plant rooms on level 3 and 4		
Fire Seals *Including variation of slab edge*	BCA Clause C3.15, AS 1530.4 – 2014 & AS 4072.1 – 2014, manufacturer's specification and Fire Engineering Report, ref. 276040, revision 1, dated 27/10/2021, prepared by ARUP	✓
Fire Shutters	BCA Spec C3.4 & AS 1905.2 – 2015	✓
Lightweight Construction *Fire rating of F&B outlets achieved from inside only*	BCA Clause C1.8, AS 1530.4 – 2014, manufacturer's specification & Fire Engineering Report, ref. 276040, revision 1, dated 27/10/2021, prepared by ARUP	✓
Mechanical Air Handling Systems (shutdown) *Kitchen exhaust to run in fire-mode*	BCA Clause E2.2, AS/NZS 1668.1 – 2015, AS 1668.2 – 2012 and Fire Engineering Report, ref. 276040, revision 1, dated 27/10/2021, prepared by ARUP	✓
Non-combustible Roller Shutters with Wall-Wetting Sprinklers *For F&B Concessions*	Fire Engineering Report, ref. 276040, revision 1, dated 27/10/2021, prepared by ARUP	✓
Paths of Travel	EP&A Regulation Clause 186 and Fire Engineering Report, ref. 276040, revision 1, dated 27/10/2021, prepared by ARUP	✓
Photo-luminescent Nosing Strips *To all seating aisles* *26mm photoluminescent strip*	Fire Engineering Report, ref. 276040, revision 1, dated 27/10/2021, prepared by ARUP, and Safe Movement Performance Solution Report ref. UN95338, dated 21 July 2021, prepared by UNISEARCH	✓
Portable Fire Extinguishers *Additional ABE extinguishers required on the camera deck, within each plant rooms on level 5, within all F&B concessions*	BCA Clause E1.6, AS 2444 – 2001 and Fire Engineering Report, ref. 276040, revision 1, dated 27/10/2021, prepared by ARUP	✓
Required Exit Doors (power operated)	BCA Clause D2.19(b)	✓
Screens *Large TV screens and ribbon signage to display evacuation signage and emergency announcements*	Fire Engineering Report, ref. 276040, revision 1, dated 27/10/2021, prepared by ARUP	✓
Smoke Hazard Management Systems *Smoke exhaust to level 2 east* *Smoke exhaust to east and west atrium*	BCA Part E2, AS/NZS 1668.1 –2015 nd Fire Engineering Report, ref. 276040, revision 1, dated 27/10/2021, prepared by ARUP	✓
Smoke Dampers	AS/NZS 1668.1 – 2015 & Fire Engineering Report, ref. 276040, revision 1, dated 27/10/2021, prepared by ARUP	✓
Smoke Doors	BCA Spec C3.4 & C2.5, and Fire Engineering Report, ref. 276040, revision 1, dated 27/10/2021, prepared by ARUP	✓
Smoke Sealing slab edge *Level 3 external terrace* *Level 4 quadrant extremities*	Fire Engineering Report, ref. 276040, revision 1, dated 27/10/2021, prepared by ARUP	✓
Smoke Walls *Basement VIP entrance and lift lobby area* *Basement south-east wing (walls are also fire-rated)* *Bounding the atrium along with glazed walls* *Vertically stacked plant rooms* *Level 3 NE and SE suites adjacent to the fire stairs (walls are also fire-rated)* *Level 3 western media room (walls are also fire-rated)*	Fire Engineering Report, ref. 276040, revision 1, dated 27/10/2021, prepared by ARUP	✓
Sound System & Intercom Systems for Emergency Purposes (SSISEP) *Including strobes to level 5 plant areas*	BCA E4.9, Clause 5 of BCA Spec G3.8, AS1670.4 – 2018 nd Fire Engineering Report, ref. 276040, revision 1, dated 27/10/2021, prepared by ARUP	✓
Sports Lighting *To be provided with UPS emergency power supply and to turn on in power failure*	Fire Engineering Report, ref. 276040, revision 1, dated 27/10/2021, prepared by ARUP, and Safe Movement Performance Solution Report ref. UN95338, dated 21 July 2021, prepared by UNISEARCH	✓
Stand-by Power Systems	BCA Clause E1.3, E3.4, E4.2, E4.5; and AS 3000 – 2018	✓
Wall-Wetting Sprinklers *Basement office window* *Level 3 western atrium* *F&B concession shutters*	BCA Clause C3.4, AS 2118.2 – 2010, Fire Engineering Report, ref. 276040, revision 1, dated 27/10/2021, prepared by ARUP	✓
Warning & Operational Signs *Basement ring-road adjacent to fire dampers* *Wayfinding signage to wheelchair refuge areas* *Wayfinding signage to the Fire Control Centre*	Section 183 of the EP&A Regulation 2000, AS 1905.1 – 2015, BCA Clause C3.6, D2.23, D3.6, E3.3, Fire Engineering Report, ref. 276040, revision 1, dated 27/10/2021, prepared by ARUP, and	✓

Statutory Fire Safety Measure	Design / Installation Standard	Proposed
Caution signage in seating aisles *Caution signage in front seating row of mid and upper seating tiers*	Safe Movement Performance Solution Report ref. UN95338, dated 21 July 2021, prepared by UNISEARCH	
Strobe Lighting *Level 5*	Level 5 Fire Engineering Report, ref. 276040, revision 1, dated 27/10/2021, prepared by ARUP	✓
PA System *Within the bowl and the concourses at L1 and L4*	Fire Engineering Report, ref. 276040, revision 1, dated 27/10/2021, prepared by ARUP	✓
Smoke Seals *F&B concessions around the shutters* *Concierge desk storage room L2 East, vertically stacked plant rooms, lift lobby basement level, non-sprinklered elec switchrooms and comms rooms, various doors around atrium, various fire stair doors, corridor in SE basement, ticket booth office and L1m plant room.*	AS 1530.7 – 2007 and Fire Engineering Report, ref. 276040, revision 1, dated 27/10/2021, prepared by ARUP	✓
ARUP Fire Engineered Performance Solutions relating to: 1. There are several non-compliances relating to the two atria within the stadium: + Atrium well diameter greater than 6m + Sum of floor areas of all storeys connected by an atrium is larger than the maximum fire compartment permitted by Table C2.2 of the BCA + Performance based bounding construction separating each atria from the remainder of the building + Level 4 of each atria is only provided with one exit + Omission of "EVACUATE" signage within the atria + Omission of red Break Glass Alarms (BGAs) within the atria 2. Parts of the external wall and associated openings that are within 3m of the allotment boundary. 3. Within the stadium, it is proposed to use a TYCO wall wetting sprinkler system in lieu of compliant fire separation in several locations. 4. The external facing walls on the non-bowl side at plant room Level 5 shall not be fire rated. 5. The design incorporates structural steel elements with no applied fire protection in the following locations: supporting the seating plats, atrium structure, roof structure, external steel within 3m of a room fire, L5 members and members within toilets 6. The roof is to be constructed primarily of steel structure without applied fire protection and covered by combustible elements, namely: + PTFE fabric + ETFE sheeting + Glass Fibre Reinforced Polymer (GFRP) 7. To rationalise the FRLs within the basement in the following areas: + Reduce the FRL of the Class 7b portions of the basement, such that the fire rating of the general elements throughout the	Fire Engineering Report, ref. 276040, revision 1, dated 27/10/2021, prepared by ARUP	✓

Statutory Fire Safety Measure	Design / Installation Standard	Proposed
basement are (120)/120/120 in lieu of (240)/240/240 as per the DtS requirements of the BCA (noting specific exceptions to this which are outlined separately). + Omission of protection to penetrations through the water tank within the basement. + Reduction in FRL to penetrations within the bounding construction of the gas and chemical store rooms. 8. As the building is to be Type A construction, under Specification C1.1 of the BCA, the seating plats forming the floor would require a Fire Resistance Level (FRL) of the plats to achieve 120/120/120. It is proposed to maintain the FRL of the seating plats, and omit the requirement to fire rate certain penetrations and gaps through the seating plats. 9. To rationalise the Integrity and Insulation rating provided to loadbearing columns on Level 3. 10. To permit an unprotected penetration between the generator room and fuel storage area. 11. To provide a mesh flooring system four plant rooms, one in each of the building quadrants. This mesh flooring will not achieve the required FRL. 12. To permit specific combustible elements within the fire wall build-up of certain areas to attach fixings to the walls. 13. Due to the definition of an external wall, it is proposed to allow certain external walls that face internally to contain combustible items. 14. To rationalise the fire separation at the junction between the slab edge and façade in certain locations around the stadium. The installation of the slab edge fire protection system will not be in strict accordance with the test standard. 15. To omit the fire separation of the electrical kiosks on the Level 5 plant rooms. 16. It is proposed to omit the insulation rating for specific fire dampers in the following locations: + Within fire walls between the basement ring road and storage areas. + Within fire walls between kitchens and the Level 2 Member Lounge + Within the fire walls between kitchens and the Level 2 East function rooms/Concourse + Within the fire walls between kitchens and the surrounding rooms on Level 3 West.		

Statutory Fire Safety Measure	Design / Installation Standard	Proposed
17. The following locations within the building are only provided with a single exit location: + The Lower basement; + Level 1 mezzanine north and south plant areas – Some parts only has 1 exit; + Level 1 mezzanine south-east – Small mechanical plant deck area; and + Level 1 mezzanine north-east – Plant Room; 18. To permit extended travel distances to a point of choice, to an exit, and between alternative exits at certain locations within the building. a) Playing field: 150m to the nearest exit b) Basement changerooms: 27m to a point of choice c) Basement south-east link: 50m to a point of choice d) Basement other areas: up to 28m to a point of choice and up to 70m to an exit e) Basement west and east: up to 75m between alternative exits f) Concourse Seating: 75m to a point of choice g) Concourse: 60m to an exit. h) Concourse F&B's: 25m to a point of choice and up to 90m to an exit. i) Level 2 seating tiers: 45m to a point of choice and 90m to an exit j) Level 5 upper seating tier: 70m to a point of choice k) Scoreboard: 22 m to a point of choice and 90m to an exit. l) Level 2 suites: 30m to a point of choice and 75m to an exit m) Level 3 suites: 24m to a point of choice n) Level 3 NE, SE, SW, and NW terraces: 32m to a point of choice o) Level 3 Camera Deck: 46m to a point of choice and 60m to an exit p) Level 5 plant decks: 50m to a single exit / point of choice q) Playing field: 260m between alternative exits r) Basement north: 180m between alternative exits when relying on the north-east tunnel to the playing field or 220m to the near horizontal exit s) Basement south and west: 70 m to an exit followed by 120m between alternative exits t) Level 1 Mezzanine plant decks: 80m between alternative exits u) Level 1 Mezzanine East: 70m between alternative exits v) Level 2 suites: 105m between alternative exits w) Concourse: 130 m between alternative exits in the north-east, up to 90 m between alternative exits elsewhere. x) Basement West: up to 70 m to an exit followed by up to 132 m between alternative exits 19. To justify the following path of travel departures: a) Rationalisation of aggregate exit widths for spectators. b) Reduced path of travel widths due to central loop handrails.		

Statutory Fire Safety Measure	Design / Installation Standard	Proposed
c) Reduced path of travel widths of a minimum of 750 mm at isolated areas within the BOH. d) Pinch points at a low-level, below 750 mm within the BOH. 20. To address issues relating to travel via a fire-isolated stair: a) More than two doors opening into a fire-isolated stair. b) Non-compliant openings into a fire-isolated stair. c) Fire-isolated stair not providing a continuous, fire isolated passageway to a road or open space. 21. The discharge of the fire-isolated exit's path of travel after discharge will necessitate passing within 6m of the building in most instances. 22. Occupants egressing from the building have to traverse across adjacent allotments in order to reach the road. 23. Multiple fire compartments within the basement have more than half (or all of their exits) as horizontal exits. 24. The three main exits from the basement during concert mode will involve occupants passing through a roller shutter in lieu of a swinging doorway. 25. To permit the use of an AS1657 ladder forming one of the two available exits for North and South plant rooms on Level 1 Mezzanine. 26. To permit a number of fire doors at basement level, Level 2, and within the atria that do not swing in the direction of egress. 27. To permit the glass smoke doors to the atria to not be fitted with statutory signs. 28. Hydrant and Sprinkler Control Assemblies: a) To locate the Fire Hydrant Booster in sight of the Fire Control Centre in lieu of the main building entrance b) To permit coverage of the field to be achieved using two hose lengths c) Sprinkler control assemblies for the basement will not meet the requirements of AS2118.6 in several locations d) Hydrants at L4 and L5 be located within the adjacent fire hose reel cupboard which is approximately 10m from the stair in lieu of 4m. e) A Fire Hydrant Isolation Valve shall be located within the general floor plate of the basement ring road. 29. Fire Hose Reel system: a) The stadium shall not be provided with Fire Hose Reel coverage to the pitch area b) Level 5 seating areas are provided with Fire Hose Reel coverage from Level 4		

Statutory Fire Safety Measure	Design / Installation Standard	Proposed
c) Fire Extinguishers are provided in lieu of Fire Hose Reels within the following locations: + F&B concessions + Fire Separated Store and Plant Rooms at above ground levels + North Comms room on Level 1 + North EDB room on Level 1 + Plant rooms on Level 0 + East and West Atrium above Level 1. + Specific Fire separated rooms within the Basement. d) Fire Hose Reels of 50m in length shall be used within the stadium to provide coverage in the following locations: + To provide coverage to the seating areas. + Level 1M South Plantroom + Level 1M East Cold-Shell + Level 3 Camera Deck + Level 5 Plant Areas e) Fire Hose Reels located more than 4 m from a fire exit. f) To permit Fire Hydrants to not be located directly adjacent to Fire Hose Reels. 30. Sprinklers: a) Omission of sprinkler coverage in the following areas: + The lightweight roof structure + Above the Level 4 concourse + Within the atrium – sprinkler coverage only to be provided to Ground Floor and upper level flooring beneath a slab of the floor above. Sprinkler coverage may be omitted to underneath the escalators that sit above voids. + Within electrical switchrooms and communications rooms. + Within the individual toilet cubicles (not within the wider toilet rooms) + From underneath the main entrance awnings + Within seating joinery in the basement b) Omission of fire separation between the sprinklered and non-sprinklered areas 31. To locate the Fire Control Room housing the Fire Control Centre in a readily accessible location from the main roadways serving the stadium in lieu of the entrance to the building. 32. Stair pressurisation is to be omitted from the exit stairways adjacent to the atria. The main egress stairs adjacent the atria will not be fully fire isolated at Level 04. 33. To permit the omission of a zone smoke control system from the building. 34. To rationalise the requirements of smoke exhaust to the Level 2 function spaces and the		

Statutory Fire Safety Measure	Design / Installation Standard	Proposed
whole building when it is considered to be 'concert mode' 35. To omit smoke detection from the underside of the stadium roof 36. To increase the spacing between detectors within concealed spaces of the basement. 37. To omit the fire-resistant construction requirement to the atria lifts. 38. To omit emergency lighting from the external seating areas and the pitch. 39. Direction exit signs will not be viewable from large portions of the seating areas. 40. The STI levels will not be achieved in the bowl and the concourses at L1 and L4. 41. A common kitchen exhaust fan enclosure housing multiple kitchen exhaust fans will be provided at L5. F&B outlets on the same floor may be served by a common kitchen exhaust duct. 42. It is proposed to allow the carpark exhaust system openings to be located within 12 m of other openings within the external façade. 43. It is proposed to omit smoke dampers for make-up air intake vents within the fire rated walls surrounding the kitchens in the following areas: a) Level 2 West members lounge b) Level 2 West members lounge c) Level 3 West Kitchens d) Level 3 East Kitchens 44. There are several locations across Level 1, Level 4, and Level 5 where unprotected steelwork penetrates through a fire wall. It is proposed to rationalise the requirement to protect both the FRL of the steelwork and the penetration FRL requirements of the steelwork.		
UNISEARCH Safe Movement Performance Solution Report UN95338: 1. Upper and Mid: Gradient of seating tiers and number of steps in an aisle: a) Gradient of the upper and mid seating tiers is 34^0 in lieu of a maximum 30^0 b) The number of steps in aisles is more than 36 in a flight without a change in direction 2. To vary the riser height consistency by more than 10mm over the length of the entire aisle or flight 3. Upper and Mid: Stepped aisle handrails and support continuity:	Safe Movement Performance Solution Report ref. UN95338, dated 21 July 2021, prepared by UNISEARCH	✓

Statutory Fire Safety Measure	Design / Installation Standard	Proposed
a) Handrails will not be continuous in the centre of the aisle in the mid and upper seating tiers b) Each aisle in the mid and upper seating tiers has an overall width of 1200mm which his reduced to 600mm on either side of the central handrail c) The central handrails are required to be continuous and this includes Vomitory Types 2 and 5. Also, the solution proposed for Vomitory types 1 and 3-4 requires a vertical portion of handrail like a newel post. 4. Lower Tier Seating: a) Going dimensions exceed 355mm b) To vary the riser height consistency by more than 10mm over the length of the entire aisle or flight c) The number of steps in aisles is more than 36 in a flight without a change in direction d) To not have a handrail along the aisle e) To justify the single riser step between the stepped aisle and the field 5. Barriers: a) Horizontal projections within 1m of the front row of seating in the mid and upper tiers b) Vomitory 1 barrier height reduced to 900mm c) Vomitory 2 barrier height reduced to 900mm d) Vomitory 3 barrier height – *satisfactory* e) Vomitory 4 barrier height reduced to 900mm f) Vomitory 5 barrier height reduced to 900mm g) Central North and South Type 5 Vomitories barrier height reduced 1000mm in lieu of 1100mm required by Green Guide		
UNISEARCH Emergency Lighting Alternative Performance Solution Report: 6. To rationalise the emergency lighting requirements for the seating bowl areas. 7. To vary the exit signage requirements from the field of play area. Instead, there will be a reliance on emergency lighting, jumbo exit signs and other forms of lighting to identify the required exits	Safe Movement Emergency Lighting Alternative Performance Solution Report ref. UN95338, dated 21 July 2021, prepared by UNISEARCH	✓