

29/06/2020

Our Ref: GDL190177

Hansen Yuncken Pty Ltd
Attn: Nader Zreik
Sydney Corporate Park Building 1, Level 3, 75-85 O'Riordan Street
Alexandria NSW 2015

SINSW - Catherine Field Public School
Barry O'Keefe Drive, Catherine Field NSW 2557

SECTION 6.28 CROWN CERTIFICATE - BCA DESIGN COMPLIANCE STATEMENT

Further to our engagement for the abovementioned project, please find attached the Building Code of Australia (BCA) Design Compliance Review completed in respect to the proposed BCA & Crown (s6.28) Consultancy Services, as required by Section 6.28 of the Environmental Planning and Assessment Act.

In reviewing the content herein, we draw particular attention to both the design documentation listed and conditions of approval listed in this Crown Certificate.

In terms of the conditions of approval, the content therein reflects BCA related matters that either did not comply or requires amendment or need to be complied with in the construction to achieve compliance with the referenced BCA.

The builder and the crown authority need to be aware of these conditions whilst undertaking the works, as they represent items that we shall either be focusing on in the inspection or be seeking installation certificates for on completion of the works, and it is the responsibility of the crown authority and builder engaged for the works to ensure these are complied with as part of the works.

Should you have any further enquiries please do not hesitate to contact Mauricio Vera or the undersigned.

Yours faithfully



Brett Clabburn
Director

BCA DESIGN COMPLIANCE REVIEW

PRELIMINARIES

CERTIFICATE NO.	GDL190177
Property Details	Cnr Barry O'Keefe Drive and Peter Brock Drive Catherine Field NSW 2557
Client	NSW Department of Education, School Infrastructure NSW
Date	29/06/2020
Proposal	BCA & Crown (S6.28) Consultancy Services

DEVELOPMENT DESCRIPTION

Proposed Works	Description
Classification(s):	9b
Use:	Educational Establishment
Subject Area:	SINSW - Catherine Field Public School, Catherine Field NSW 2557

BASIS OF CERTIFICATION

This certificate is based upon: -

- The National Construction Code, Volume 1, Building Code of Australia BCA Class 2-9 Buildings 2016 Amendment 1 (BCA)
- The Design Documentation listed in this certificate below

EXCLUSIONS

- This certificate relates only to the assessment and application of the Building Code of Australia to the proposed building works contained within the Design Documentation listed below and excludes: -
- General (non-BCA) electrical, mechanical, hydraulic building services
- Service providers requirements relating to electricity, gas, water and telecommunications
- The regulatory compliance of existing components/areas of the premises/site unaffected by the works.
- Disability (Access to Premises – Buildings) Standards 2010 compliance
- Any Development Consent requirements or conditions and any assessment as to the requirement for obtaining planning consent and any conditions to any consents obtained, as this only relates to an assessment of elements listed in Section 6.28 of the Environmental Planning and Assessment Act.
- Review of existing population densities throughout the building with respect to the new works
- Any existing elements of the building, and relates to BCA confirmation of new works only, and not an assessment of any existing elements or portions of the building
- Any elements the subject of the documentation relied upon, or the conditions are not the liability of Group DLA as reliance upon this documentation, certification and information in issuance of this statement.
- Excluding conditions of consent B21, B24, B28 & B29 which will be addressed under a subsequent approval.

STATEMENT OF COMPLIANCE

We hereby confirm that the proposed design shall accord with the relevant principles and provisions of the Building Code of Australia 2016 Amendment 1 subject to: -

- Compliance with the conditions of approval nominated below; and
- Reliance upon the listed documentation relied upon, listed drawings/plans
- Certification of the installation of the relevant portions on completion of the works

FIRE SAFETY SCHEDULE

Building A-D

Fire Safety Measure	Standard	BCA Clause(s)	Proposed Fire Safety Measures
Access panels, doors & hoppers to fire resisting shafts	AS 1530.4 – 2014	C3.13	<input checked="" type="checkbox"/>
Automatic fail-safe devices	--	C3.8, D2.21, Spec C3.4	<input checked="" type="checkbox"/>
Automatic fire detection & alarm systems (associated to automatic shut-down system)	AS 1670.1 – 2015 AS 1668.1 – 2015	Spec E2.2b	<input checked="" type="checkbox"/>
Emergency lighting	AS 2293.1 – 2005	E4.2, E4.4	<input checked="" type="checkbox"/>
Exit signs	AS 2293.1 – 2005	E4.5, NSW E4.6 & E4.8, EP4.2	<input checked="" type="checkbox"/>
Fire dampers	AS 1668.1 – 2015	Spec E2.2a	<input checked="" type="checkbox"/>
Fire doors	AS 1905.1 – 2015	Spec C3.4, C3.10	<input checked="" type="checkbox"/>
Fire hydrant systems	AS 2419.1 – 2005	E1.3, EP1.3	<input checked="" type="checkbox"/>
Fire seals (protecting openings in fire resisting components of the building)	AS 4072.1 – 2005 AS 1530.4 – 2014	C3.12, C3.13, C3.15	<input checked="" type="checkbox"/>
Lightweight construction	--	C1.8, Spec C1.8, CP1, CP2	<input checked="" type="checkbox"/>
Mechanical air handling systems <ul style="list-style-type: none"> • Auto shutdown 	AS 1668.1 – 2015 AS 1668.2 – 2012	E2.2, Spec E2.2a, Spec E2.2b	<input checked="" type="checkbox"/>
Portable fire extinguishers & fire blankets	AS 2444 – 2001	E1.6	<input checked="" type="checkbox"/>
Paths of Travel	--	D1.6, DP4, DP5, DP6, EP2.2	<input checked="" type="checkbox"/>
Fire Engineering Performance Solutions prepared by MCD Fire Engineering. Rev: FER1.1, date: 19/06/2020; <ol style="list-style-type: none"> To review and permit a reduction in spandrel/balcony separation between vertically aligned openings for building of Type A construction (Blocks A-D). To permit the reduction in general FRLs; <ul style="list-style-type: none"> • from the required FRL of 120 minutes down to 60 	C2.6, CP2 Spec C1.1, Table 3. Table 5, CP1 and CP2		<input checked="" type="checkbox"/>

Fire Safety Measure	Standard	BCA Clause(s)	Proposed Fire Safety Measures
<p>minutes for building of Type A construction, i.e., main School Buildings (Blocks A-D);</p> <ul style="list-style-type: none"> from the required FRL of 90 minutes down to 60 minutes for building of Type C construction, i.e., Hall Building (Block E). <p>3. To permit the reduction of FRLs to the floors for buildings of Type A construction (Blocks B, C & D), from 120/120/120 to a ceiling having a Resistance to Incipient Spread of Fire (RISF) of 60 minutes.</p> <p>4. To permit the use of combustible sarking material (Bradford Enviroseal ProctorWrap RW) inside the external walls of the building of Type A construction (Blocks A-D).</p> <p>5. To permit the use of plywood timber noggings/reinforcement (for handrails/grabrails/wall mounted wet areas systems such as WHBs etc) in cavities of fire rated walls (internal or external) and non-fire-rated external walls the building of Type A construction (Blocks A-D).</p> <p>6. The residual pressure of internal fire hydrants is to be designed in accordance with AS 2419.1-2017 instead of AS 2419.1-2005, i.e., 250 kPa instead of 700 kPa by viewing them as “unassisted attack fire hydrant”.</p> <p>7. To permit the location of the fire hydrant booster to not technically be within sight of each building entry on the site, and not adjacent to the vehicular entrance.</p> <p>8. To permit the omission of Fire Hose Reels serving parts of the buildings that are not forming part of the main classroom areas of the building (i.e. admin, BOH, etc).</p>	<p>Spec C1.1, Clause 3.1 Table 3, CP1 and CP2</p> <p>C1.9, CP2, CP4</p> <p>C1.9, Spec C1.1, Clause 3.1(d), CP2. CP4</p> <p>E1.3, AS 2419.1, EP1.3</p> <p>E1.3, AS 2419.1, EP1.3</p> <p>E1.4, EP1.1</p>		

Building E

Fire Safety Measure	Standard	BCA Clause(s)	Proposed Fire Safety Measures
Access panels, doors & hoppers to fire resisting shafts	AS 1530.4 – 2014	C3.13	<input checked="" type="checkbox"/>
Automatic fail-safe devices	--	C3.8, D2.21, Spec C3.4	<input checked="" type="checkbox"/>
Automatic fire detection & alarm systems (associated to automatic shut-down system)	AS 1670.1 – 2015 AS 1668.1 – 2015	Spec E2.2b	<input checked="" type="checkbox"/>
Emergency lighting	AS 2293.1 – 2005	E4.2, E4.4	<input checked="" type="checkbox"/>
Exit signs	AS 2293.1 – 2005	E4.5, NSW E4.6 & E4.8, EP4.2	<input checked="" type="checkbox"/>
Fire doors	AS 1905.1 – 2015	Spec C3.4, C3.10	<input checked="" type="checkbox"/>
Fire hydrant systems	AS 2419.1 – 2005	E1.3, EP1.3	<input checked="" type="checkbox"/>
Lightweight construction	--	C1.8, Spec C1.8, CP1, CP2	<input checked="" type="checkbox"/>
Mechanical air handling systems <ul style="list-style-type: none"> Auto shutdown 	AS 1668.1 – 2015 AS 1668.2 –2012	E2.2, Spec E2.2a, Spec E2.2b	<input checked="" type="checkbox"/>
Portable fire extinguishers & fire blankets	AS 2444 – 2001	E1.6	<input checked="" type="checkbox"/>
Paths of Travel	--	D1.6, DP4, DP5, DP6, EP2.2	<input checked="" type="checkbox"/>
<p>Fire Engineering Performance Solutions prepared by MCD Fire Engineering. Rev: FER1.1, date: 19/06/2020;</p> <p>9. To review and permit a reduction in spandrel/balcony separation between vertically aligned openings for building of Type A construction (Blocks A-D).</p> <p>10. To permit the reduction in general FRLs; <ul style="list-style-type: none"> from the required FRL of 120 minutes down to 60 minutes for building of Type A construction, i.e., main School Buildings (Blocks A-D); from the required FRL of 90 minutes down to 60 minutes for building of Type C construction, i.e., Hall Building (Block E). </p> <p>11. To permit the reduction of FRLs to the floors for buildings of Type A construction (Blocks B, C & D), from 120/120/120 to a ceiling having a Resistance to Incipient Spread of Fire (RISF) of 60 minutes.</p> <p>12. To permit the use of combustible sarking material (Bradford Enviroseal ProctorWrap RW) inside the</p>	<p>C2.6, CP2</p> <p>Spec C1.1, Table 3. Table 5, CP1 and CP2</p> <p>Spec C1.1, Clause 3.1 Table 3, CP1 and CP2</p> <p>C1.9, CP2, CP4</p>		<input checked="" type="checkbox"/>

Fire Safety Measure	Standard	BCA Clause(s)	Proposed Fire Safety Measures
<p>external walls of the building of Type A construction (Blocks A-D).</p> <p>13. To permit the use of plywood timber noggings/reinforcement (for handrails/grabrails/wall mounted wet areas systems such as WHBs etc) in cavities of fire rated walls (internal or external) and non-fire-rated external walls the building of Type A construction (Blocks A-D).</p> <p>14. The residual pressure of internal fire hydrants is to be designed in accordance with AS 2419.1-2017 instead of AS 2419.1-2005, i.e., 250 kPa instead of 700 kPa by viewing them as “unassisted attack fire hydrant”.</p> <p>15. To permit the location of the fire hydrant booster to not technically be within sight of each building entry on the site, and not adjacent to the vehicular entrance.</p> <p>16. To permit the omission of Fire Hose Reels serving parts of the buildings that are not forming part of the main classroom areas of the building (i.e. admin, BOH, etc).</p>	<p>C1.9, Spec C1.1, Clause 3.1(d), CP2. CP4</p> <p>E1.3, AS 2419.1, EP1.3</p> <p>E1.3, AS 2419.1, EP1.3</p> <p>E1.4, EP1.1</p>		

DESIGN DOCUMENTATION

The following architectural documentation was reviewed as part of this assessment:

Drawing No.	Title	Prepared By	Revision	Date
NHQC2 – CF – AR – DWG – 00_S000	Cover Sheet & Delineation Plan	Perumal Pedavoli Architects	J	19/06/2020
NHQC2 – CF – AR – DWG – 00_S001	Drawing List and Legend	Perumal Pedavoli Architects	M	19/06/2020
NHQC2 – CF – AR – DWG – 00_S002	Site Plan	Perumal Pedavoli Architects	M	19/06/2020
NHQC2 – CF – AR – DWG – 00_S011	Composite Plan - Level 00	Perumal Pedavoli Architects	P	19/06/2020
NHQC2 – CF – AR – DWG – 00_S012	Composite Plan - Level 01	Perumal Pedavoli Architects	O	19/06/2020
NHQC2 – CF – AR – DWG – 00_S013	Composite Plan - Level 02	Perumal Pedavoli Architects	O	19/06/2020
NHQC2 – CF – AR – DWG – 00_S021	Composite Roof Plan	Perumal Pedavoli Architects	N	19/06/2020
NHQC2 – CF – AR – DWG – 00_S101	Overall Elevations	Perumal Pedavoli Architects	M	19/06/2020
NHQC2 – CF – AR – DWG – 00_S201	Overall Sections	Perumal Pedavoli Architects	K	19/06/2020
NHQC2 – CF – AR – DWG – 00_S301	External Works Plan - Sheet 1	Perumal Pedavoli Architects	G	19/06/2020
NHQC2 – CF – AR – DWG – 00_S302	External Works Plan - Sheet 2	Perumal Pedavoli Architects	G	19/06/2020
NHQC2 – CF – AR – DWG – 00_S303	External Works Plan - Sheet 3	Perumal Pedavoli Architects	G	19/06/2020
NHQC2 – CF – AR – DWG – 00_S304	External Works Plan - Sheet 4	Perumal Pedavoli Architects	H	19/06/2020
NHQC2 – CF – AR – DWG – 01_A011	Level 00 Floor Plan - Block A	Perumal Pedavoli Architects	S	19/06/2020
NHQC2 – CF – AR – DWG – 01_A012	Level 01 Floor Plan - Block A	Perumal Pedavoli Architects	P	19/06/2020
NHQC2 – CF – AR – DWG – 01_A021	Roof Plan - Block A	Perumal Pedavoli Architects	L	19/06/2020
NHQC2 – CF – AR – DWG – 01_B011	Level 00 Floor Plan - Block B	Perumal Pedavoli Architects	R	19/06/2020
NHQC2 – CF – AR – DWG – 01_B012	Level 01 Floor Plan - Block B	Perumal Pedavoli Architects	R	19/06/2020
NHQC2 – CF – AR – DWG – 01_B013	Level 02 Floor Plan - Block B	Perumal Pedavoli Architects	R	19/06/2020
NHQC2 – CF – AR – DWG – 01_B021	Roof Plan - Block B	Perumal Pedavoli Architects	L	19/06/2020
NHQC2 – CF – AR – DWG – 01_CD011	Level 00 Floor Plan - Block C & D	Perumal Pedavoli Architects	Q	19/06/2020
NHQC2 – CF – AR – DWG – 01_CD012	Level 01 Floor Plan - Block C & D	Perumal Pedavoli Architects	Q	19/06/2020
NHQC2 – CF – AR – DWG – 01_CD013	Level 02 Floor Plan - Block C & D	Perumal Pedavoli Architects	Q	19/06/2020
NHQC2 – CF – AR – DWG – 01_CD021	Roof Plan - Block C & D	Perumal Pedavoli Architects	L	19/06/2020
NHQC2 – CF – AR – DWG – 01_E011	Level 00 Floor Plan - Block E	Perumal Pedavoli Architects	R	19/06/2020
NHQC2 – CF – AR – DWG – 01_E021	Roof Plan - Block E	Perumal Pedavoli Architects	L	19/06/2020
NHQC2 – CF – AR – DWG – 02_A101	Elevations 1 - Block A	Perumal Pedavoli Architects	P	19/06/2020
NHQC2 – CF – AR – DWG – 02_A102	Elevations 2 - Block A	Perumal Pedavoli Architects	O	19/06/2020
NHQC2 – CF – AR – DWG – 02_A201	Sections - Block A	Perumal Pedavoli Architects	L	19/06/2020

Drawing No.	Title	Prepared By	Revision	Date
NHQC2 – CF – AR – DWG – 02_B101	Elevations 1 - Block B	Perumal Pedavoli Architects	N	19/06/2020
NHQC2 – CF – AR – DWG – 02_B102	Elevations 2 - Block B	Perumal Pedavoli Architects	P	19/06/2020
NHQC2 – CF – AR – DWG – 02_B201	Sections - Block B	Perumal Pedavoli Architects	K	19/06/2020
NHQC2 – CF – AR – DWG – 02_C101	Elevations - Block C	Perumal Pedavoli Architects	P	19/06/2020
NHQC2 – CF – AR – DWG – 02_C201	Sections - Block C	Perumal Pedavoli Architects	K	19/06/2020
NHQC2 – CF – AR – DWG – 02_D101	Elevations - Block D	Perumal Pedavoli Architects	O	19/06/2020
NHQC2 – CF – AR – DWG – 02_D201	Sections - Block D	Perumal Pedavoli Architects	K	19/06/2020
NHQC2 – CF – AR – DWG – 02_E101	Elevations 1 - Block E	Perumal Pedavoli Architects	L	19/06/2020
NHQC2 – CF – AR – DWG – 02_E102	Elevations 2 - Block E	Perumal Pedavoli Architects	L	19/06/2020
NHQC2 – CF – AR – DWG – 02_E201	Sections - Block E	Perumal Pedavoli Architects	L	19/06/2020
NHQC2 – CF – AR – DWG – 02_E202	Sections - Block E	Perumal Pedavoli Architects	F	19/06/2020
NHQC2 – CF – AR – DWG – 06_A601	Level 00 Wall Type Plan - Block A	Perumal Pedavoli Architects	K	19/06/2020
NHQC2 – CF – AR – DWG – 06_A602	Level 01 Wall Type Plan - Block A	Perumal Pedavoli Architects	K	19/06/2020
NHQC2 – CF – AR – DWG – 06_B601	Level 00 Wall Type Plan - Block B	Perumal Pedavoli Architects	L	19/06/2020
NHQC2 – CF – AR – DWG – 06_B602	Level 01 Wall Type Plan - Block B	Perumal Pedavoli Architects	J	19/06/2020
NHQC2 – CF – AR – DWG – 06_B603	Level 02 Wall Type Plan - Block B	Perumal Pedavoli Architects	J	19/06/2020
NHQC2 – CF – AR – DWG – 06_B604	Level 03 Wall Type Plan - Block B	Perumal Pedavoli Architects	B	19/06/2020
NHQC2 – CF – AR – DWG – 06_C601	Level 00 Wall Type Plan - Block C & D	Perumal Pedavoli Architects	J	19/06/2020
NHQC2 – CF – AR – DWG – 06_C602	Level 01 Wall Type Plan - Block C & D	Perumal Pedavoli Architects	J	19/06/2020
NHQC2 – CF – AR – DWG – 06_C603	Level 02 Wall Type Plan - Block C & D	Perumal Pedavoli Architects	J	19/06/2020
NHQC2 – CF – AR – DWG – 06_C604	Level 03 Wall Type Plan - Block C & D	Perumal Pedavoli Architects	B	19/06/2020
NHQC2 – CF – AR – DWG – 06_E601	Level 00 Wall Type Plan - Block E	Perumal Pedavoli Architects	I	19/06/2020
NHQC2 – CF – AR – DWG – 08_801	Wall Sections - Sheet 01	Perumal Pedavoli Architects	F	19/06/2020
NHQC2 – CF – AR – DWG – 08_802	Wall Section - Sheet 02	Perumal Pedavoli Architects	C	19/06/2020
NHQC2 – CF – AR – DWG – 20_101	Wet Area Drawings Block A - Sheet 01	Perumal Pedavoli Architects	J	19/06/2020
NHQC2 – CF – AR – DWG – 20_102	Wet Area Drawings Block A & B - Sheet 02	Perumal Pedavoli Architects	L	19/06/2020
NHQC2 – CF – AR – DWG – 20_103	Wet Area Drawings Block B - Sheet 03	Perumal Pedavoli Architects	K	19/06/2020
NHQC2 – CF – AR – DWG – 20_104	Wet Area Drawings Block C - Sheet 04	Perumal Pedavoli Architects	J	19/06/2020
NHQC2 – CF – AR – DWG – 20_105	Wet Area Drawings Block E - Sheet 05	Perumal Pedavoli Architects	J	19/06/2020
NHQC2 – CF – AR – DWG – 40_001	Door Schedule - Block A	Perumal Pedavoli Architects	L	19/06/2020
NHQC2 – CF – AR – DWG – 40_002	Door Schedule - Block B	Perumal Pedavoli Architects	M	19/06/2020

Drawing No.	Title	Prepared By	Revision	Date
NHQC2 – CF – AR – DWG – 40_003	Door Schedule - Block C	Perumal Pedavoli Architects	M	19/06/2020
NHQC2 – CF – AR – DWG – 40_004	Door Schedule - Block D	Perumal Pedavoli Architects	M	19/06/2020
NHQC2 – CF – AR – DWG – 40_005	Door Schedule - Block E	Perumal Pedavoli Architects	K	19/06/2020
NHQC2 – CF – AR – DWG – 40_010	Door Leaf Types Legend	Perumal Pedavoli Architects	J	19/06/2020
NHQC2 – CF – AR – DWG – 40_101	Door Frame Details - Sheet 01	Perumal Pedavoli Architects	L	19/06/2020
NHQC2 – CF – AR – DWG – 40_102	Door Frame Details - Sheet 02	Perumal Pedavoli Architects	H	19/06/2020
NHQC2 – CF – AR – DWG – 40_103	Door Frame Details - Sheet 03	Perumal Pedavoli Architects	F	19/06/2020
NHQC2 – CF – AR – DWG – 50_001	Window Schedule - Block A	Perumal Pedavoli Architects	J	19/06/2020
NHQC2 – CF – AR – DWG – 50_002	Window Schedule - Block B	Perumal Pedavoli Architects	I	19/06/2020
NHQC2 – CF – AR – DWG – 50_003	Window Schedule - Block C	Perumal Pedavoli Architects	I	19/06/2020
NHQC2 – CF – AR – DWG – 50_004	Window Schedule - Block D	Perumal Pedavoli Architects	I	19/06/2020
NHQC2 – CF – AR – DWG – 50_005	Window Schedule - Block E	Perumal Pedavoli Architects	F	19/06/2020
NHQC2 – CF – AR – DWG – 50_010	Window Type Legend Sheet 1	Perumal Pedavoli Architects	L	19/06/2020
NHQC2 – CF – AR – DWG – 50_011	Window Type Legend Sheet 2	Perumal Pedavoli Architects	H	19/06/2020
NHQC2 – CF – AR – DWG – 50_020	Sunshade Types Legend	Perumal Pedavoli Architects	E	19/06/2020
NHQC2 – CF – AR – DWG – 50_101	Internal Window Details - Sheet 01	Perumal Pedavoli Architects	B	19/06/2020
NHQC2 – CF – AR – DWG – 50_102	Window Details - Sheet 02	Perumal Pedavoli Architects	D	19/06/2020
NHQC2 – CF – AR – DWG – 50_103	Window Details - Sheet 03	Perumal Pedavoli Architects	D	19/06/2020
NHQC2 – CF – AR – DWG – 50_201	Sunshade Details	Perumal Pedavoli Architects	G	19/06/2020
NHQC2 – CF – AR – DWG – 55_001	Louvre Type Legend	Perumal Pedavoli Architects	F	19/06/2020
NHQC2 – CF – AR – DWG – 55_002	Schedule Of Louvres	Perumal Pedavoli Architects	F	19/06/2020
NHQC2 – CF – AR – DWG – 55_101	Louvre Details	Perumal Pedavoli Architects	C	19/06/2020
NHQC2 – CF – AR – DWG – 60_001	Stair 01 / 02 Details	Perumal Pedavoli Architects	I	19/06/2020
NHQC2 – CF – AR – DWG – 60_002	Stair 03 Details	Perumal Pedavoli Architects	I	19/06/2020
NHQC2 – CF – AR – DWG – 60_003	Stair 04 Details - Sheet 01	Perumal Pedavoli Architects	I	19/06/2020
NHQC2 – CF – AR – DWG – 60_004	Stair 04 Details - Sheet 02	Perumal Pedavoli Architects	H	19/06/2020
NHQC2 – CF – AR – DWG – 60_005	Stair 04 Detail - Sheet 03	Perumal Pedavoli Architects	H	19/06/2020
NHQC2 – CF – AR – DWG – 60_006	Stair 05, 06, 07 Details	Perumal Pedavoli Architects	H	19/06/2020
NHQC2 – CF – AR – DWG – 60_007	Stair 08 Details	Perumal Pedavoli Architects	H	19/06/2020
NHQC2 – CF – AR – DWG – 60_008	Stair 09 Details	Perumal Pedavoli Architects	J	19/06/2020
NHQC2 – CF – AR – DWG – 60_009	Ramps & External Works	Perumal Pedavoli Architects	I	19/06/2020

Drawing No.	Title	Prepared By	Revision	Date
NHQC2 – CF – AR – DWG – 60_010	Ramps & External Works	Perumal Pedavoli Architects	G	19/06/2020
NHQC2 – CF – AR – DWG – 60_011	Ramps & External Works	Perumal Pedavoli Architects	G	19/06/2020
NHQC2 – CF – AR – DWG – 60_012	Ramps & External Works	Perumal Pedavoli Architects	H	19/06/2020
NHQC2 – CF – AR – DWG – 60_013	Stair, Balustrade & Handrail Details - Sheet 1	Perumal Pedavoli Architects	G	19/06/2020
NHQC2 – CF – AR – DWG – 60_014	Stair, Balustrade & Handrail Details - Sheet 2	Perumal Pedavoli Architects	G	19/06/2020
NHQC2 – CF – AR – DWG – 60_015	Handrail Details	Perumal Pedavoli Architects	D	19/06/2020
NHQC2 – CF – AR – DWG – 60_016	Handrail Details	Perumal Pedavoli Architects	G	19/06/2020
NHQC2 – CF – AR – DWG – 90_201	Wall Type Details - Sheet 01	Perumal Pedavoli Architects	J	19/06/2020
NHQC2 – CF – AR – DWG – 90_202	Wall Type Details - Sheet 02	Perumal Pedavoli Architects	F	19/06/2020
NHQC2 – CF – AR – DWG – 90_203	Wall Type Details - Sheet 03	Perumal Pedavoli Architects	F	19/06/2020
NHQC2 – CF – AR – DWG – 90_204	Wall Type Details - Sheet 04	Perumal Pedavoli Architects	C	19/06/2020
NHQC2 – CF – AR – DWG – 90_205	Wall Type Details - Sheet 05	Perumal Pedavoli Architects	B	19/06/2020

SUPPLEMENTARY DOCUMENTATION

The following additional documentation was reviewed as part of this assessment, and has been relied upon in confirming compliance for those elements listed / certified or confirmed as compliant:

- Application for Crown Certificate form issued by Anthony Manning of NSW Department of Education, School Infrastructure NSW, dated 25/06/2020
- Schedule of Materials, Colours & Finishes for Project No. 3252, Revision 0, issued by Perumal Pedavoli Pty Limited, dated 18/06/2020
- Architectural Specification No. NHQC – Package 2, Revision M, issued by Perumal Pedavoli Pty Limited, dated 19/06/2020
- BCA Design Statement issued by Salvatore Rigoli of Perumal Pedavoli Pty Limited, dated 23/06/2020
- Fire Engineering Report No. S19033.CF, Revision FER 1.1, issued by MCD Fire Engineering, dated 19/06/2020
- Weather Proofing Performance Solution Report No. NHQC2, Revision B, issued by Hansen Yuncken, dated 26/06/2020
- Structural Design Compliance Certificate issued by Jonathan Low of Northrop Consulting Engineers, dated 25/06/2020
- Design Statement for Electrical and Lighting issued by Ivan Mira of Steensen Varming, dated 24/06/2020
- Item 10 - Design Certificate for Fire Services issued by Dieter Janssen of Force Fire & Safety Pty Ltd, dated 24/06/2020
- Design Certificate for Hydraulic Services issued by Ian Stalker of Woolacotts Consulting Engineers, dated 26/06/2020
- Design Certificate for Inground Stormwater Drainage issued by James Gilligan of Northrop Consulting Engineers, dated 23/06/2020
- Design Certificate for Mechanical Building Services issued by Chris Arkins of Steensen Varming, dated 23/06/2020
- Design Certificate for Access Consulting Services issued by Tegan Ma of du Chateau Chun, dated 17/06/2020

- Letter of Confirmation of Population Numbers issued by Sam Rigoli of Perumal Pedavoli Pty Limited, dated 19/06/2020
- NCC Section J JV3 Report No. 195018-SER01, Revision 4, issued by Northrop Consulting Engineers, dated 15/06/2020
- SSD Condition B3 – Structural Design Compliance Certificate and associated drawings issued by Jonathan Low of Northrop Consulting Engineers, dated 25/06/2020
- SSD Condition B4 – Letter referencing External Walls and Cladding issued by Paul Nelson of Hansen Yuncken Pty Ltd
- SSD Condition B5 & B6 – Dilapidation Report No. 20015, issued by Project Solutions Pty Ltd, dated 25/07/2019
- SSD Condition B9 – Letter referencing Registration for Green Star Certification issued by Jim Lewis of School Infrastructure NSW, dated 22/06/2020
- SSD Condition B10 – Design Statement for External Lighting issued by Ivan Mira of Steensen Varming, dated 23/06/2020
- SSD Condition B11 – Letter referencing Demolition Work issued by Paul Nelson of Hansen Yuncken Pty Ltd
- SSD Condition B13 – Construction Environment Management Plan (CEMP) No. SC126, Revision 3, issued by Hansen Yuncken Pty Ltd, dated 29/06/2020
- SSD Condition B13 – Letter of Compliance for CEMP issued by Paul Todhunter of Hansen Yuncken Pty Ltd, dated 29/06/2020
- SSD Condition B20 – Certification of Design Intent issued by Isabella Adlington of Northrop Consulting Engineers, dated 18/06/2020
- SSD Condition B21, B25, B28 and B29 – Letter referencing conditions which will be covered under a separate Crown Certificate issued by Paul Nelson of Hansen Yuncken Pty Ltd
- SSD Condition B22, 23 & 24 - Certificate of Compliance for Landscape Design issued by Iain Brammer of Taylor Brammer Landscape Architects Pty Ltd, dated 22/06/2020
- SSD Condition B22 – Document Transmittal for Landscape Drawings and associated drawings issued by Taylor Brammer Landscape Architects Pty Ltd
- SSD Condition B27 - Submission of Construction Carparking and service vehicle layout in accordance with Condition B27 issued by NSW Department of Education
- SSD Condition B27 - Construction Traffic and Pedestrian Management Sub-Plan Reference No. P1047r05 issued by Ason Group, dated 19/06/2020
- Email Confirming Fire Rated Penetrations issued by Mark McDaid of MCD Fire Engineering, dated 11/06/2020

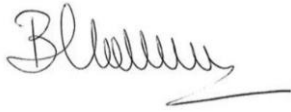
CONDITIONS OF APPROVAL

PART A – CONDITIONS OF CONSTRUCTION

BCA CLAUSE	Comments
BCA 2016 Amendment 1	The construction works must be undertaken and installed in accordance with the requirements of BCA 2016 Amendment 1 and any referenced Australian Standards in BCA 2016 Amendment 1.
C1.10	<p>Materials must have fire hazard properties in accordance with BCA Specification C1.10 as follows: -</p> <ul style="list-style-type: none"> • <u>Floor Coverings</u> <ul style="list-style-type: none"> (i) a critical radian flux no less than 1.2kW/m² sprinkler protected or 2.2kW/m² for non-sprinkler protected buildings (ii) a maximum smoke development rate of 750 percent minutes • <u>Wall and Ceiling linings</u> <ul style="list-style-type: none"> (i) a group number of ; and (ii) a smoke growth rate index of not more than 100; or (iii) an average specific extinction area less than 250m²/kg • <u>Air handling ductwork</u> <ul style="list-style-type: none"> (i) Rigid and flexible ductwork must comply with the fire hazard properties set out in AS 4254 – 1995 <p>Note: BCA 2016 Amendment 1 has specific Australian Standards that must be complied with in determining the above requirements, consult BCA 2016 Amendment 1 to establish the relevant testing requirements prior to specifying, ordering or installing finishes</p>
C3.15	Any new service penetrations in fire rated elements must be fire sealed in accordance with Clause C3.15 of BCA.
D1.6	Paths of travel to exits must have a clear width of no less than 1000mm. Note: Measured between fixed items, such as workstations, openings without doors, etc
D2.21	All door latching mechanisms to be located between 900-1100mm from the finished floor level.
E4.2/E4.5	New emergency lighting to be undertaken in accordance with BCA Clause E4.2 and AS2293.1 - 2005
E4.5/E4.6	New exit signage and alterations to suit new arrangement must be undertaken in accordance with BCA Clause E4.5, E4.6 and AS2293.1 - 2005
F4.4	New artificial lighting must accord with AS/NZS 1680.0 – 2009 to all rooms and corridors, lobbies and internal circulation spaces, and certified by a suitably qualified contractor upon completion.
F4.5	New / alterations to ventilation must be in accordance with AS1668.2-2012
Part J6	New artificial lighting must accord with Part J6 of BCA 2016, and certified by a suitably qualified contractor upon completion.
Table D2.14	Slip Resistance of new stairs / ramps, including relining of such must be provided in accordance with the required slip resistance listed in Table D2.14 of the BCA.
Fire Services	Any Fire Services being installation, modification or alteration must be undertaken in accordance with the listed standards of performance and BCA clause requirements of the Fire Safety Schedule.

GROUPDLA

This certificate confirms compliance to Section 6.28 of the Environmental Planning and Assessment Act for the proposed works, and is reliant upon the listed documentation, design certification and plans referenced, as well as compliance with the conditions of this document, as listed, being achieved



Brett Clabburn
Director
Building Professionals Board / BPB0064