

Certificate

Construction Compliance

DATE 14/11/2022
TO Richard Crookes Constructions Pty Ltd
PROJECT Upgrade to Chatswood High School – Building S

I, Bryan King
of SCP Consulting Pty Ltd
at Level 20, 1 Market Street, Sydney NSW 2000

Hereby certify that:

- 1 I am a practicing structural engineer certified under NER.
- 2 I am the holder of documentary evidence from Engineers Australia to that effect.
- 3 I am currently practicing as a Structural Engineer with SCP Consulting Pty Ltd, of which I am a Director.
- 4 I have carried out, or have caused to have carried out, periodic inspections of the structural work during the construction. SCP Consulting did not act in a supervisory capacity and could only observe the status of the work at the time of the inspection.
- 5 In accordance with DA Condition D10a, I am satisfied that the structural works inspected for the above project have been constructed in accordance with the intent of the structural engineering drawings and written engineering instructions issued up to the time of the inspections.
- 6 In accordance with DA Condition D10b, the drawings listed have been checked with those listed on the final Design Certificate. The structural engineering drawings referred to in this certificate are:

DRAWING #	TITLE	REVISION
HS-STR-S-DW-0000	TITLE SHEET	4
HS-STR-S-DW-0010	LOWER GROUND FLOOR LOADING PLAN	1
HS-STR-S-DW-0011	GROUND FLOOR WEST LOADING PLAN	2

DRAWING #	TITLE	REVISION
HS-STR-S-DW-0012	GROUND FLOOR EAST LOADING PLAN	1
HS-STR-S-DW-0013	LEVEL 1 WEST LOADING PLAN	2
HS-STR-S-DW-0014	LEVEL 1 EAST LOADING PLAN	2
HS-STR-S-DW-0015	LEVEL 2 WEST LOADING PLAN	2
HS-STR-S-DW-0016	LEVEL 2 EAST LOADING PLAN	2
HS-STR-S-DW-0017	LEVEL 3 WEST LOADING PLAN	2
HS-STR-S-DW-0018	LEVEL 3 EAST LOADING PLAN	2
HS-STR-S-DW-0301	FOOTING PLAN - WEST	9
HS-STR-S-DW-0302	FOOTING PLAN - EAST	7
HS-STR-S-DW-0305	FOOTING DETAILS SHEET 1	5
HS-STR-S-DW-0306	FOOTING DETAILS SHEET 2	3
HS-STR-S-DW-0307	FOOTING DETAILS SHEET 3	3
HS-STR-S-DW-0308	FOOTING DETAILS SHEET 4	3
HS-STR-S-DW-0401	COLUMN SCHEDULE SHEET 1	5
HS-STR-S-DW-0402	COLUMN SCHEDULE SHEET 2	2
HS-STR-S-DW-0403	COLUMN SCHEDULE SHEET 3	2
HS-STR-S-DW-0501	WALL SCHEDULE & ELEVATIONS SHEET 1	2
HS-STR-S-DW-0502	WALL SCHEDULE & ELEVATIONS SHEET 2	5
HS-STR-S-DW-0503	WALL SCHEDULE & ELEVATIONS SHEET 3	4
HS-STR-S-DW-0801	STAIR SCHEDULES SHEET 1	1
HS-STR-S-DW-0802	STAIR SCHEDULES SHEET 2	4
HS-STR-S-DW-0850	TYPICAL R.C. STAIR DETAILS - FLIGHT TYPES	2
HS-STR-S-DW-0851	TYPICAL R.C. STAIR DETAILS - LANDING TYPES	1
HS-STR-S-DW-0901	LOWER GROUND FLOOR GENERAL ARRANGEMENT PLAN - WEST	11
HS-STR-S-DW-0905	SLAB ON GROUND DETAILS SHEET 1	2
HS-STR-S-DW-0906	SLAB ON GROUND DETAILS SHEET 2	2
HS-STR-S-DW-0907	SLAB ON GROUND DETAILS SHEET 3	3
HS-STR-S-DW-0910	GROUND FLOOR GENERAL ARRANGEMENT PLAN - WEST	9
HS-STR-S-DW-0911	GROUND FLOOR GENERAL ARRANGEMENT PLAN - EAST	7
HS-STR-S-DW-0915	GROUND FLOOR DETAILS SHEET 1	2
HS-STR-S-DW-0920	LEVEL 1 GENERAL ARRANGEMENT PLAN - WEST	6

DRAWING #	TITLE	REVISION
HS-STR-S-DW-0921	LEVEL 1 GENERAL ARRANGEMENT PLAN - EAST	7
HS-STR-S-DW-0930	LEVEL 2 GENERAL ARRANGEMENT PLAN - WEST	6
HS-STR-S-DW-0931	LEVEL 2 GENERAL ARRANGEMENT PLAN - EAST	7
HS-STR-S-DW-0940	LEVEL 3 GENERAL ARRANGEMENT PLAN - WEST	7
HS-STR-S-DW-0941	LEVEL 3 GENERAL ARRANGEMENT PLAN - EAST	6
HS-STR-S-DW-0950	CORE LID PLAN - WEST	3
HS-STR-S-DW-0951	CORE LID PLAN - EAST	2
HS-STR-S-DW-0960	SUSPENDED SLAB DETAILS - SHEET 1	3
HS-STR-S-DW-0961	SUSPENDED SLAB DETAILS SHEET 2	5
HS-STR-S-DW-1001	ROOF STEEL FRAMING PLAN - WEST	3
HS-STR-S-DW-1002	ROOF STEEL FRAMING PLAN - EAST	2
HS-STR-S-DW-1010	STEEL ELEVATIONS SHEET 1	2
HS-STR-S-DW-1050	STEEL DETAILS SHEET 1	1
HS-STR-S-DW-1051	STEEL DETAILS SHEET 2	1
X-STR-W-DW-0001	GENERAL NOTES SHEET 1	2
X-STR-W-DW-0002	GENERAL NOTES SHEET 2	1
X-STR-W-DW-0450	COLUMN DETAILS SHEET 1	1
X-STR-W-DW-0451	COLUMN DETAILS SHEET 2	1
X-STR-W-DW-0550	TYPICAL WALL DETAILS SHEET 1	1
X-STR-W-DW-0551	TYPICAL WALL DETAILS SHEET 2	1
X-STR-W-DW-0552	TYPICAL WALL DETAILS SHEET 3	1
X-STR-W-DW-0555	DINCEL WALL DETAILS	1
X-STR-W-DW-0701	MASONRY WALL DETAILS SHEET 1	2
X-STR-W-DW-0702	MASONRY WALL DETAILS SHEET 2	1

- 7 In providing this Certificate, I have relied upon the following documentation supplied to me regarding the construction:
- Copies of our Engineering Inspection Reports signed off that any rectification work noted in the reports has been completed.
 - Signed copies of certification of bearing pressures by the Geotechnical Engineer.
 - Documents indicating the 28-day compression strengths achieved by test cylinders taken from the concrete supplied.
 - Copies of certification of the fabrication and erection of the structural steel by the subcontractor.
- 8 This Certificate excludes the following elements which have been designed and, constructed and certified by others:
- Post tensioned floor slabs by Australian Post-Tensioning Pty Ltd.
 - Piled foundation by ACECivil Pty Ltd.
 - Roof Structure by AUSTRUSS.
- 9 This certificate does not relieve any other party of its responsibilities, liabilities or contractual obligations.

Yours faithfully
SCP Consulting Pty Ltd

A handwritten signature in black ink, appearing to read 'B. King'.

Bryan King BEng (Struct), MIEAust CPEng NER APEC Eng IntPE(Aus)
Director



DESIGN CERTIFICATE

Ref. : **FPD-7471-4**
Date : **23-02-2022**
Project : **CHATSWOOD EDUCATIONAL PRECINCT - HIGH SCHOOL - BUILDING S**
Type of Building Work : **FOUNDATION PILES**

Dear Sir/Madam,

I would like to affirm that ACE Civil Pty have designed the foundation piles in accordance with the design documentation, regulatory and other statutory requirements. This includes but not limited to:

Documents which are the subject of this certificate:

Design Report Ref. FDP-7471-R3 dated 23 July 2021, by ACE Civil Pty Ltd
Drawing No. HS-STR-S-ACE-DW-FP 0301, Issue B, 11 October 2021 by ACE Civil Pty Ltd
Drawing No. HS-STR-S-ACE-DW-FP 0301_B, Issue B, 11 October 2021 by ACE Civil Pty Ltd
Drawing No. HS-STR-S-ACE-DW-FP 0301_A, Issue A, 29 September 2021 by ACE Civil Pty Ltd
Drawing No. HS-STR-S-ACE-DW-FP 0302, Issue A, 29 September 2021 by ACE Civil Pty Ltd
Drawing No. HS-STR-S-ACE-DW-FP 0302_A, Issue A, 29 September 2021 by ACE Civil Pty Ltd
Drawing No. HS-STR-S-DW-0301, Issue 8, dated 14 December 2021 by SCP
Drawing No. HS-STR-S-DW-0302, Issue 6, dated 24 November 2021 by SCP
Drawing No. HS-STR-S-DW-0305, Issue 4, dated 14 December 2021 by SCP
Drawing No. HS-STR-S-DW-0306, Issue 3, dated 20 October 2021 by SCP
Drawing No. HS-STR-S-DW-0307, Issue 3, dated 14 December 2021 by SCP
Structural Detailed Design Report Revision C, dated 21 December 2020 by SCP
Geotechnical Report - PSM, Report No. PSM 3730-006R-REV 3 dated 18/02/20 and PSM 4133-003R dated 03/11/20

I certify that this design is structurally adequate and complies with BCA 2019 (Building Code of Australia), in particular Section B – Structure, and all relevant Australian Standards referenced in that section and Specification A1.3 of that code.

The basis on which this certificate is given and the extent to which relevant specifications, rules, codes of practice or other publications have been relied upon, are as follows:

- Australian Standards AS 1170.0-2002 Structural Design Actions Part 0 General Principles
- Australian Standards AS1170.1-2002 Structural Design Actions Part 1 Permanent, Imposed and Other Actions.
- Australian Standards AS 1170.2-2011 Structural Design Actions Part 2 Wind Actions
- Australian Standards AS1170.4-2007 Structural Design Actions Part 4 Earthquake Actions in Australia
- Australian Standards AS3600-2018, Concrete structures.
- Australian Standards AS2159-2009, Piling – Design and installation.
- BCA 2019 Amendment 1

I also certify that I am an appropriately qualified and competent person practicing in the relevant area of work. I have recognised relevant experience in the area of work being certified. My employer holds appropriate current professional indemnity insurance to the satisfaction of the building owner or the principal authorising the design work being certified.

Ahmed Karim
BSc MSc MIEAust CPEng NER RPEQ



INSTALLATION CERTIFICATE

Ref. : IC-FP-7471-4
Date : 23-02-2022
Project : Chatswood Educational Precinct - High School - Building S
Type of Building Work : Foundation Piles

Pursuant to the provisions of the Environment Planning and Assessment Regulations 2000 and Clause A2.2 of the Building Code of Australia:

I, Ahmed Karim of ACE Civil Pty Ltd

confirm that the works have been completed in accordance with the design documentation, regulatory and other statutory requirements. This includes but not limited to:

1. ACE Civil Design Structural Drawings:
 - a) HS-STR-S-ACE-DW-FP 0301, Issue B, 11 October 2021 by ACE Civil Pty Ltd
 - b) HS-STR-S-ACE-DW-FP 0301_B, Issue B, 11 October 2021 by ACE Civil Pty Ltd
 - c) HS-STR-S-ACE-DW-FP 0301_A, Issue A, 29 September 2021 by ACE Civil Pty Ltd
 - d) HS-STR-S-ACE-DW-FP 0302, Issue A, 29 September 2021 by ACE Civil Pty Ltd
 - e) HS-STR-S-ACE-DW-FP 0302_A, Issue A, 29 September 2021 by ACE Civil Pty Ltd
2. Architectural Drawings by Architectus Drawings:
 - a) HS-AR-S-DW-1000, Revision 0, dated 28 January 2022
 - b) HS-AR-S-DW-1001, Revision 0, dated 28 January 2022
 - c) HS-AR-S-DW-1002, Revision 0, dated 28 January 2022
3. Geotechnical engineering including piling, pile caps and shotcrete walls has been installed in accordance with Geotechnical Report by PSM Consult Pty Ltd, Report PSM4133-003R dated 03 November 2020
4. Australian Standards AS 1170.0-2002 Structural Design Actions Part 0 General Principles
5. Australian Standards AS1170.1-2002 Structural Design Actions Part 1 Permanent, Imposed and Other Actions.
6. Australian Standards AS 1170.2-2011 Structural Design Actions Part 2 Wind Actions
7. Australian Standards AS1170.4-2007 Structural Design Actions Part 4 Earthquake Actions in Australia
8. Australian Standards AS3600-2018, Concrete structures.
9. Australian Standards AS2159-2009, Piling – Design and installation.
10. BCA 2019 Amendment 1

I also certify that I am an appropriately qualified and competent person practicing in the relevant area of work. I have recognised relevant experience in the area of work being certified. My employer holds appropriate current professional indemnity insurance to the satisfaction of the building owner or the principal authorising the design work being certified.

Ahmed Karim
BSc MSc MIEAust CPEng NER RPEQ

Our Reference: N21005 – Cert 009

21/010/2022

Dear Sir/Madam,

RE: Structural Certificate – Chatswood PS & HS – Pacific Highway Site
Structural Certification of Engineering Design-
SSDA -9483 Condition D10 Submission Prior to OC

We hereby certify that this firm has undertaken the structural engineering design and documentation of selected items at the above project within the requirements of;

- the Building Code of Australia,
- AS3600 – 2018/Amdt 1-2019,
- AS1170.0:2002 – Structural Design Actions Part 0 General Principles
- AS1170.1:2002 - Structural Design Actions Part 1 Permanent, Imposed and Other Actions
- AS1170.2:2011 – Structural Design Actions Part 2 Wind Actions
- AS1170.4:2007 – Structural Design Actions Part 4 Earthquake Actions in Australia
- AS4100:2020 – Steel Structures
- and accepted engineering practice.

The selected structural elements covered by this certification include the following items:

- Building S – GF
- Building S – L1 – P1
- Building S – L1 – P2
- Building S – L1 – P3
- Building S – L2 – P1
- Building S – L2 – P2
- Building S – L2 – P3
- Building S – L3 – P1
- Building S – L3 – P2
- Building S – L3 – P3

We hereby confirm that in line with SSD 9483 Condition D10, D10a and D10b the site has been periodically inspected and the Certifier is satisfied that the structural works is deemed to comply with the final design drawings and as amended by issued Quantum Consulting Engineers Site Instructions / Reports. We hereby confirm the drawings listed on the Inspection Certificate have been checked with those listed on the final Design Certificate/s.

This certificate does not relieve the Builder of their responsibility as supervisors and to ensure the Quantum Consulting Engineers pre-pour site inspection reports are completed in full.

If you require any further information regarding this matter, do not hesitate to contact this office.

Yours sincerely



Lance Rogers
Managing Director
B.E.(Civil), MIEAust, NPER

Building S
Quantum Drawing List

Building	Drawing	#	Rev
Building S	GF CONCRETE PROFILE PLAN	HS-PT-S-DW-060	2
Building S	GF BOTTOM REINFORCEMENT PLAN	HS-PT-S-DW-061	2
Building S	GF TOP REINFORCEMENT PLAN	HS-PT-S-DW-062	2
Building S	GF POST TENSIONING PLAN	HS-PT-S-DW-063	2
Building S	L1 P1&2 CONCRETE PROFILE	HS-PT-S-DW-065	4
Building S	L1 P1&2 BOTTOM REINFORCEMENT PLAN	HS-PT-S-DW-066	4
Building S	L1 P1&2 TOP REINFORCEMENT PLAN	HS-PT-S-DW-067	6
Building S	L1 P1&2 POST TENSIONING PLAN	HS-PT-S-DW-068	5
Building S	L1 P3 CONCRETE PROFILE	HS-PT-S-DW-070	3
Building S	L1 P3 BOTTOM REINFORCEMENT PLAN	HS-PT-S-DW-071	3
Building S	L1 P3 TOP REINFORCEMENT PLAN	HS-PT-S-DW-072	2
Building S	L1 P3 POST TENSIONING PLAN	HS-PT-S-DW-073	2
Building S	L2 P1&2 CONCRETE PROFILE	HS-PT-S-DW-075	4
Building S	L2 P1&2 BOTTOM REINFORCEMENT PLAN	HS-PT-S-DW-076	4
Building S	L2 P1&2 TOP REINFORCEMENT PLAN	HS-PT-S-DW-077	6
Building S	L2 P1&2 POST TENSIONING PLAN	HS-PT-S-DW-078	5
Building S	L2 P3 CONCRETE PROFILE	HS-PT-S-DW-080	4
Building S	L2 P3 BOTTOM REINFORCEMENT PLAN	HS-PT-S-DW-081	3
Building S	L2 P3 TOP REINFORCEMENT PLAN	HS-PT-S-DW-082	2
Building S	L2 P3 POST TENSIONING PLAN	HS-PT-S-DW-083	2
Building S	L3 P1&2 CONCRETE PROFILE	HS-PT-S-DW-085	4
Building S	L3 P1&2 BOTTOM REINFORCEMENT PLAN	HS-PT-S-DW-086	3
Building S	L3 P1&2 TOP REINFORCEMENT PLAN	HS-PT-S-DW-087	5
Building S	L3 P1&2 POST TENSIONING PLAN	HS-PT-S-DW-088	6
Building S	L3 P3 CONCRETE PROFILE	HS-PT-S-DW-090	4
Building S	L3 P3 BOTTOM REINFORCEMENT PLAN	HS-PT-S-DW-091	3
Building S	L3 P3 TOP REINFORCEMENT PLAN	HS-PT-S-DW-092	3
Building S	L3 P3 POST TENSIONING PLAN	HS-PT-S-DW-093	3

Building S
Quantum Inspection Report List

Building	Drawing	#	Rev	Pass
Building S	GF CONCRETE PROFILE PLAN	HS-PT-S-DW-060	2	Yes
Building S	GF BOTTOM REINFORCEMENT PLAN	HS-PT-S-DW-061	2	Yes
Building S	GF TOP REINFORCEMENT PLAN	HS-PT-S-DW-062	2	Yes
Building S	GF POST TENSIONING PLAN	HS-PT-S-DW-063	2	Yes
Building S	L1 P1&2 CONCRETE PROFILE	HS-PT-S-DW-065	4	Yes
Building S	L1 P1&2 BOTTOM REINFORCEMENT PLAN	HS-PT-S-DW-066	4	Yes
Building S	L1 P1&2 TOP REINFORCEMENT PLAN	HS-PT-S-DW-067	6	Yes
Building S	L1 P1&2 POST TENSIONING PLAN	HS-PT-S-DW-068	5	Yes
Building S	L1 P3 CONCRETE PROFILE	HS-PT-S-DW-070	3	Yes
Building S	L1 P3 BOTTOM REINFORCEMENT PLAN	HS-PT-S-DW-071	3	Yes
Building S	L1 P3 TOP REINFORCEMENT PLAN	HS-PT-S-DW-072	2	Yes
Building S	L1 P3 POST TENSIONING PLAN	HS-PT-S-DW-073	2	Yes
Building S	L2 P1&2 CONCRETE PROFILE	HS-PT-S-DW-075	4	Yes
Building S	L2 P1&2 BOTTOM REINFORCEMENT PLAN	HS-PT-S-DW-076	4	Yes
Building S	L2 P1&2 TOP REINFORCEMENT PLAN	HS-PT-S-DW-077	6	Yes
Building S	L2 P1&2 POST TENSIONING PLAN	HS-PT-S-DW-078	5	Yes
Building S	L2 P3 CONCRETE PROFILE	HS-PT-S-DW-080	4	Yes
Building S	L2 P3 BOTTOM REINFORCEMENT PLAN	HS-PT-S-DW-081	3	Yes
Building S	L2 P3 TOP REINFORCEMENT PLAN	HS-PT-S-DW-082	2	Yes
Building S	L2 P3 POST TENSIONING PLAN	HS-PT-S-DW-083	2	Yes
Building S	L3 P1&2 CONCRETE PROFILE	HS-PT-S-DW-085	4	Yes
Building S	L3 P1&2 BOTTOM REINFORCEMENT PLAN	HS-PT-S-DW-086	3	Yes
Building S	L3 P1&2 TOP REINFORCEMENT PLAN	HS-PT-S-DW-087	5	Yes
Building S	L3 P1&2 POST TENSIONING PLAN	HS-PT-S-DW-088	6	Yes
Building S	L3 P3 CONCRETE PROFILE	HS-PT-S-DW-090	4	Yes
Building S	L3 P3 BOTTOM REINFORCEMENT PLAN	HS-PT-S-DW-091	3	Yes
Building S	L3 P3 TOP REINFORCEMENT PLAN	HS-PT-S-DW-092	3	Yes
Building S	L3 P3 POST TENSIONING PLAN	HS-PT-S-DW-093	3	Yes

date

5/07/2022

reference

37994-SL06_B

receiver

Aus-Truss

Attn: Rojer Samuel

7 Braemar Ave
BRAEMAR NSW 2575

Dear Sir,

**Re: 20397 Chatswood Public School
at 5 Centennial Ave, Chatswood NSW 2067
Building S
Steel Wall and Roof Frames
Structural Design Certification**

As requested, we certify that the structural design of the steel roof & wall frame for the above project, as detailed on production drawings by Aus-Truss referenced on the attached document transmittal form, is structurally adequate to the Building Code of Australia (BCA) 2019, Volume I, Amendment 1, Part B1 for the below design parameters.

1. Loading

General principles of loading calculation and loading combinations to Australian Loading Code AS1170.0-2002 and other relevant codes as below:

(a) Dead Load

(i) Roof:

Self-weight of Steel sheeted roof, purlins and ceilings & solar panels & mechanical equipment loading (maximum 0.5 kPa).

(b) Live Load

(i) Roof: Maintenance load of $1.8/A + 0.12\text{kPa}$ (min 0.25kPa) as per AS1170.1-2002 or roof Point Loading: 1.1kN as per AS1170.1-2002.

(ii) Roof safety point loading as per drawing LGS – S – 120, revision B, prepared by Austruss.

(c) Wind Load as per SCP consultants engineering drawings

(i) Region A, terrain category 2.5, $M_d = M_t = M_s = 1.0$, Regional wind speed 46 m/s, importance level 3 to AS1170.2-2011.

(d) Seismic

- (i) Hazard factor 0.08, subsoil class Ce, importance level 3, earthquake design category II to AS1170.4-2007.

2. Steelwork

- (a) Cold Formed Sections: Grade 550 to AS4600-2018.
- (b) Hollow Sections: Grade 450 to AS4100-1998.
- (c) Durability: Atmospheric Corrosivity Category C3 to AS4312-2008:
 - (i) Covered steelwork: Class 2.5 blast plus 75 micron Epoxy Zinc coating to AS2312.1-2014 or ILG140 to AS4792-2006.
 - (ii) Exposed Steelwork: HDG320 to AS 4680-2006
 - (iii) Cold formed Steelwork: AZ150 or AM150 to AS1397-2011
 - (iv) Screws to be class 3 to AS3566.2, Bolts to be HDG to AS1214. Masonry bolts to have minimum 25 microns zinc coating.

3. Serviceability: Design complies with the below mentioned NASH deflection criteria.

- (a) Roof under dead load: Deflection < Span/500.
- (b) Roof under live load: Deflection < Span/250.
- (c) Roof under wind load: Deflection < Span/150.
- (d) Stud walls under lateral loading (serviceability wind loads)
Deflection < Height/200 or maximum 20mm.

4. Fabrication/Erection/Tie down: Complies with Aus-Truss steel frames standard specification. Purlin rafters provided with bridging at maximum 5m spacing.

If you have any further enquiries regarding this matter, please do not hesitate to contact Barnson.

Yours faithfully

BARNSON PTY LTD




Richard Noonan

BE(Hons) ME FIEAust CPEng NER

Director

Enclose: Transmittal form.

Zone/Stage/Building: BUILDING S - WEST				Job No. 20397		DOCUMENT REGISTER														
Customer Details (Company name and client name)				Project/ Stage and Address										Rev H 08/12/21						
Richards Crookes Construction				5 Centennial Ave , Chatswood , 2067										Ph 02 4860 1400 Fax 02 4872 1707						
Distributed to:		Company		Date	1/12/21	9/12/21	28/03/22	26/04/22	29/04/22	13/05/22	19/05/22	27/05/22	15/06/22							
Tom Price		Richard Crookes Constructions Pty Limited		Doc. Reg Revision	0	1	2	3	4	5	6	A								
Hugo Lin		Richard Crookes Constructions Pty Limited			0	1	2	3	4	5	6	A								
Adam Zivanovic		Richard Crookes Constructions Pty Limited			0	1	2	3	4	5	6	A								
Richard Noonan		Barnson								5			B							
Thomas Nguyen		Barnson								5			B							
Document Description		Document No.	File Type	Drawing Status	No. Sheets	Revision														
Layout - Column		LGS-S - 101	PDF	Construction	1					1	3	4	A	B						
Layout - Wall		LGS-S - 110	PDF	Construction	1	0	1	2	3	4	5	6	A	B						
Layout - Truss		LGS-S - 120	PDF	Construction	1	0	1	2	3	4	5	6	A	B						
Layout - Truss with mech.		LGS-S - 121	PDF	Construction	1	0	1	2	3	4	5	6	A	B						
Setions and Details		LGS-S - 150	PDF	Construction	1	0	1	2	3	4	5	8	A	B						
90mm Walls - Bridge		LGS-S - 200	PDF	Construction	24	0	1	2	3	4	5	6	A	B						
90mm Walls - East		LGS-S - 201	PDF	Construction	56	0	1	2	3	4	5	6	A	B						
90mm Walls - West		LGS-S - 202	PDF	Construction	73	0	1	2	3	4	5	6	A	B						
90mm Truss - East		LGS-S - 221	PDF	Construction	15	0	1	2	3	4	5	6	A	B						
90mm Truss - West		LGS-S - 222	PDF	Construction	19	0	1	2	3	4	5	6	A	B						
Purlins - Bridge		LGS-S - 223	PDF	Construction	100	0	1	2	3	4	5	6	A	B						
Purlins - East		LGS-S - 224	PDF	Construction	143	0	1	2	3	4	5	6	A	B						
Purlins - West		LGS-S - 225	PDF	Construction	111	0	1	2	3	4	5	6	A	B						
Structural production Drawing		LGS-S - 300	PDF	Construction	1								A							
Structural production Drawing		LGS-S - 301	PDF	Construction	1								A							
Structural production Drawing		LGS-S - 302	PDF	Construction	1								A							
Structural production Drawing		LGS-S - 303	PDF	Construction	1								A							
Structural production Drawing		LGS-S - 304	PDF	Construction	1								A							
Structural production Drawing		LGS-S - 305	PDF	Construction	1								A							
Structural production Drawing		LGS-S - 306	PDF	Construction	1								A							
Structural production Drawing		LGS-S - 307	PDF	Construction	1								A							
Structural production Drawing		LGS-S - 308	PDF	Construction	1								A							
Structural production Drawing		LGS-S - 309	PDF	Construction	1								A							
Structural production Drawing		LGS-S - 310	PDF	Construction	1								A							
Structural production Drawing		LGS-S - 311	PDF	Construction	1								A							
Structural production Drawing		LGS-S - 312	PDF	Construction	1								A							
Structural production Drawing		LGS-S - 313	PDF	Construction	1								A							
Structural production Drawing		LGS-S - 314	PDF	Construction	1								A							
Structural production Drawing		LGS-S - 315	PDF	Construction	1								A							
Structural production Drawing		LGS-S - 316	PDF	Construction	1								A							
Structural production Drawing		LGS-S - 317	PDF	Construction	1								A							

Structural production Drawing	LGS-S - 318	PDF	Construction	1									A							
Structural production Drawing	LGS-S - 319	PDF	Construction	1									A							
Structural production Drawing	LGS-S - 320	PDF	Construction	1									A							
Structural production Drawing	LGS-S - 321	PDF	Construction	1									A							
Structural production Drawing	LGS-S - 322	PDF	Construction	1									A							
Structural production Drawing	LGS-S - 323	PDF	Construction	1									A							
Structural production Drawing	LGS-S - 324	PDF	Construction	1									A							
Structural production Drawing	LGS-S - 325	PDF	Construction	1									A							
Structural production Drawing	LGS-S - 326	PDF	Construction	1									A							
Structural production Drawing	LGS-S - 327	PDF	Construction	1									A							
Structural production Drawing	LGS-S - 328	PDF	Construction	1									A							
Structural production Drawing	LGS-S - 329	PDF	Construction	1									A							
Structural production Drawing	LGS-S - 330	PDF	Construction	1									A							
Structural production Drawing	LGS-S - 331	PDF	Construction	1									A							



to. AUSTRUSS

Brad Tuckwell
7 Braemar Avenue
Braemar NSW 2575

date.

31.08.2022

reference.

37994-SL07_A

Dear Sir,

**Re: 20397 Chatswood Public School at 5 Centennial Avenue, Chatswood 2067
Building S - Steel Roof and Wall Frames
Structural Certification**

Ha Nguyen, a Structural Engineer representing Barnson, inspected the steel roof and wall frames of the above building on the 4th and 17th August 2022. The defects noted have been signed off by the installers as being rectified.

We therefore advise that the above building steel framing is structurally adequate for the design parameters detailed on our design certification letter.

If you have any further enquiries regarding this matter, please contact the undersigned.

Yours faithfully,

BARNSON PTY LTD
ABN 43 088 342 625

Richard Noonan
BE(Hons) ME FIEAust CPEng NER
Director