

9 December 2019

151903

McKenzie Group
Level 6, 189 Kent Street
Sydney NSW 2000

Attention: Andrew Brohier

Sandstone Precinct - Education Building

Mod 7 - Structural Design Certificate

Dear Andrew,

We hereby certify that we have prepared the structural design of the Mod 7 works for the Education Building as shown on the list of drawings contained in Appendix A in accordance with the following Australian Standards:

- BCA 2016 Amendment 1 Part B & Part C
- AS3700 2011 – Masonry structures
- AS3600 2009 – Concrete construction
- AS2327 2003 – Composite structures

And the structure shown would be sufficient to carry the relevant loads specified on our drawings and in

- AS 1170.0 2002 Structural design actions – General principles
- AS 1170.1 2002 Structural design actions – Permanent, imposed and other actions
- AS 1170.2 2011 Structural design actions – Wind actions
- AS 1170.4 2007 Structural design actions – Earthquake actions in Australia

Existing Structure Excluding Façade

We hereby certify that we have reviewed all of the available existing structural documentation for the existing structure (refer Appendix A for Schedule of drawings) and have carried out site inspections of the visible areas as noted in our Site Investigation Report Rev. G dated 29 October 2019 and have reviewed the material testing carried out by Mahaffey Associates Pty Ltd dated 14 December 2018 and Timber Inspection Pty Ltd dated 3 January 2017 and 24 November 2018.

Based on the inspections of the visible areas, the results of the material testings and surveys noted above and subject to the completion of the structural strengthening works that will be shown on the TTW structural drawings, in our opinion the existing structure will have sufficient capacity to support the proposed new loadings

Yours faithfully,

TAYLOR THOMSON WHITTING (NSW) PTY LTD
in its capacity as trustee for the
TAYLOR THOMSON WHITTING NSW TRUST



BARRY YOUNG

Director

Encl.

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Project: Sandstone Building Structural Engineering Consultancy Bridge

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Date: 25/10/2019

Job No.: 151903

Issue No.: 58

Reason for Issue: Review

Sent Via: Uploaded to Web

Distribution	Attention
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Total number of drawings: 50

Drawing No.	Title	Issue
SP-ST-E-S0001	NOTES COVER SHEET	3
SP-ST-E-S0201	FOOTING PLAN	M
SP-ST-E-S0211	FOOTING DETAILS	G
SP-ST-E-S0212	FOOTING DETAILS	H
SP-ST-E-S0301	COLUMN SCHEDULE	H
SP-ST-E-S0302	COLUMN SCHEDULE	H
SP-ST-E-S0303	COLUMN SCHEDULE	C
SP-ST-E-S0304	COLUMN SCHEDULE	B
SP-ST-E-S0311	COLUMN DETAILS	F
SP-ST-E-S0321	EXISTING COLUMN STRENGTHENING SCHEDULE AND DETAILS	D
SP-ST-E-S0401	R.C. WALL ELEVATIONS	H
SP-ST-E-S0402	R.C. WALL ELEVATIONS	I
SP-ST-E-S0403	R.C. WALL ELEVATIONS	I
SP-ST-E-S0404	R.C. WALL ELEVATIONS	G
SP-ST-E-S0405	R.C. WALL ELEVATIONS	B
SP-ST-E-S0411	R.C. WALL DETAILS	E
SP-ST-E-S0412	MASONRY WALL DETAILS	E
SP-ST-E-S0501	STAIR KEY DIAGRAMS	F
SP-ST-E-S0511	TYPICAL STAIR DETAILS	C
SP-ST-E-S0601	BASEMENT 3 OUTLINE PLAN	L
SP-ST-E-S0611	BASEMENT 3 - SECTIONS & DETAILS	G
SP-ST-E-S0701	BASEMENT 2 OUTLINE PLAN	K
SP-ST-E-S0801	BASEMENT 1 OUTLINE PLAN	K
SP-ST-E-S0901	LOWER GROUND OUTLINE PLAN	K
SP-ST-E-S1001	GROUND OUTLINE PLAN	L
SP-ST-E-S1101	LEVEL 1 OUTLINE PLAN	K
SP-ST-E-S1201	LEVEL 2 OUTLINE PLAN	K
SP-ST-E-S1301	LEVEL 3 OUTLINE PLAN	K
SP-ST-E-S1401	LEVEL 4 OUTLINE PLAN	K
SP-ST-E-S1501	LEVEL 5 LOWER OUTLINE PLAN	L
SP-ST-E-S1502	LEVEL 5 UPPER OUTLINE PLAN	H
SP-ST-E-S1505	POOL PLAN AND ELEVATIONS	I
SP-ST-E-S1515	POOL SECTIONS	C
SP-ST-E-S1516	POOL SECTIONS	C
SP-ST-E-S1601	LEVEL 6 OUTLINE PLAN	K
SP-ST-E-S1701	LEVEL 7 OUTLINE PLAN	K
SP-ST-E-S1801	LEVEL 8 OUTLINE PLAN	K
SP-ST-E-S1901	LEVEL 9 OUTLINE PLAN	J
SP-ST-E-S2001	ROOF OUTLINE PLAN	I
SP-ST-E-S2102	BASEMENT 2 TO ROOF SECTIONS	G
SP-ST-E-S2103	BASEMENT 2 TO ROOF SECTIONS	H
SP-ST-E-S2104	BASEMENT 2 TO ROOF SECTIONS	G
SP-ST-E-S2105	BASEMENT 2 TO ROOF SECTIONS	E
SP-ST-E-S2106	BASEMENT 2 TO ROOF SECTIONS	C
SP-ST-E-S2107	BASEMENT 2 TO ROOF SECTIONS	D
SP-ST-E-S2108	BASEMENT 2 TO ROOF SECTIONS	C
SP-ST-E-S2111	LOWER GROUND TO LEVEL 6 TYPICAL DETAILS	E

SENT BY: EISENHUTH M

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Taylor Thomson Whitting (NSW) Pty Ltd (ACN 113 578 377)
as trustee for the Taylor Thomson Whitting NSW Trust
(ABN 59 514 956 558) | Consulting Engineers
Level 3, 48 Chandos Street St Leonards NSW 2065

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Project: Sandstone Building Structural Engineering Consultancy Bridge

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SP-ST-E-S2151	TYPICAL STEELWORK ELEVATIONS AND DETAILS	F
SP-ST-E-S2152	TYPICAL STEELWORK ELEVATIONS AND DETAILS	E
SP-ST-E-S2153	TYPICAL STEELWORK ELEVATIONS AND DETAILS	A

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