

Building Certificate for Crown Building Work

PROJECT NAME: Sydney Opera House – New Creative Learning Centre

DATE: 31 March 2020

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Building Certificate for Crown Building Work

Pursuant to the provisions of Section 6.28 (formerly Section 109R) of the Environmental Planning and Assessment Act 1979, Group DLA hereby certify that the relevant portion of proposed building works have been designed in accordance with the technical provisions of the State's building laws and in particular, the Building Code of Australia 2016. This certification is issued in reliance upon the information listed in the Schedule attached and is subject to the conditions as listed.

Certificate No: 150372

DA No: SSD 8663 dated 12th December 2019

Certificate Issued to: Ian Cashen - Sydney Opera House Trust

Building Name: Sydney Opera House – Creative Learning Centre

Address: 2 Circular Quay East, Bennelong Point, Sydney. Lot 4 DP 787933 and Lot 5 DP 775888

Classification: 9b entertainment venue

Development: Upgrade to the Concert Hall and new Creative Learning Centre at the Sydney Opera House
– **This Crown Building Work Certificate 190372.2 is limited to:**
• **Construction of New Creative Learning Centre**

Building Surveyor

Signature: 

Name: Shane Berry BPB0721

Date: 31 March 2020

Reviewer / Director

Signature: 

Name: Brett Clabburn BPB0064

Date: 31 March 2020

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Documentation Assessed

The following architectural drawings prepared by Scott Caver Architects form part of this assessment;

Drawing No	Sheet No.	Title	Prepared by	Revision	Date
49 BR TZG07	A000	Cover Page And Drawing List	Tonkin Zulaikha Greer Architects	C00	09/08/2019
49 BR TZG07	A001	Legend Spreadsheet	Tonkin Zulaikha Greer Architects	C00	09/08/2019
49 BR TZG07	A002	Site Location Plan	Tonkin Zulaikha Greer Architects	C00	09/08/2019
49 BR TZG07	A003	Ground Floor And Basement Existing Conditions Plan	Tonkin Zulaikha Greer Architects	C00	09/08/2019
49 BR TZG07	A004	Project Coordination and Emergency Egress Drawings	Tonkin Zulaikha Greer Architects	C00	09/08/2019
49 BR TZG07	A005	DDA Access Paths Plan	Tonkin Zulaikha Greer Architects	C00	09/08/2019
49 BR TZG07	A050	Demolition Ground Floor Plan	Tonkin Zulaikha Greer Architects	C00	09/08/2019
49 BR TZG07	A051	Demolition Ground Floor RCP	Tonkin Zulaikha Greer Architects	C00	09/08/2019
49 BR TZG07	A052	Demolition Sections 1	Tonkin Zulaikha Greer Architects	C00	09/08/2019
49 BR TZG07	A053	Demolition Sections 2	Tonkin Zulaikha Greer Architects	C00	09/08/2019
49 BR TZG07	A054	Demolition Photos 1	Tonkin Zulaikha Greer Architects	C00	09/08/2019
49 BR TZG07	A055	Demolition Photos 2	Tonkin Zulaikha Greer Architects	C00	09/08/2019
49 BR TZG07	A056	Demolition Photos 3	Tonkin Zulaikha Greer Architects	C00	09/08/2019
49 BR TZG07	A100	Basement Floor Plan	Tonkin Zulaikha Greer Architects	C00	09/08/2019
49 BR TZG07	A101	Ground Floor Plan	Tonkin Zulaikha Greer Architects	C00	09/08/2019
49 BR TZG07	A102	Ground Floor Finishes Plan	Tonkin Zulaikha Greer Architects	C00	09/08/2019
49 BR TZG07	A103	Ground Floor Furniture + Joinery Setout Plan	Tonkin Zulaikha Greer Architects	C00	09/08/2019
49 BR TZG07	A110	Wall Types Setout Plan and Legend	Tonkin Zulaikha Greer Architects	C00	09/08/2019
49 BR TZG07	A120	Proposed Ground Floor RCP	Tonkin Zulaikha Greer Architects	C00	09/08/2019
49 BR TZG07	A200	Sections 1	Tonkin Zulaikha Greer Architects	C00	09/08/2019
49 BR TZG07	A201	Sections 2	Tonkin Zulaikha Greer Architects	C00	09/08/2019
49 BR TZG07	A300	External Elevations	Tonkin Zulaikha Greer Architects	C00	09/08/2019
49 BR TZG07	A400	Ceiling Details 1	Tonkin Zulaikha Greer Architects	C00	09/08/2019
49 BR TZG07	A401	Ceiling Details 2	Tonkin Zulaikha Greer Architects	C00	09/08/2019

Drawing No	Sheet No.	Title	Prepared by	Revision	Date
49 BR TZG07	A402	Ceiling Details 3	Tonkin Zulaikha Greer Architects	C00	09/08/2019
49 BR TZG07	A403	Ceiling Details 4	Tonkin Zulaikha Greer Architects	C00	09/08/2019
49 BR TZG07	A404	Wall Details 1	Tonkin Zulaikha Greer Architects	C00	09/08/2019
49 BR TZG07	A405	Floor Details 1	Tonkin Zulaikha Greer Architects	C00	09/08/2019
49 BR TZG07	A408	Hrm4 Details	Tonkin Zulaikha Greer Architects	C00	09/08/2019
49 BR TZG07	A500	Door Schedule 1	Tonkin Zulaikha Greer Architects	C00	09/08/2019
49 BR TZG07	A502	Door Details 1	Tonkin Zulaikha Greer Architects	C00	09/08/2019
49 BR TZG07	A503	Door Details 2	Tonkin Zulaikha Greer Architects	C00	09/08/2019
49 BR TZG07	A504	Door Details 3	Tonkin Zulaikha Greer Architects	C00	09/08/2019
49 BR TZG07	A505	Door Details 4	Tonkin Zulaikha Greer Architects	C00	09/08/2019
49 BR TZG07	A506	Door Details 5	Tonkin Zulaikha Greer Architects	C00	09/08/2019
49 BR TZG07	A507	Door Details 6	Tonkin Zulaikha Greer Architects	C00	09/08/2019
49 BR TZG07	A600	Wet Areas - Detail Plan and RCP	Tonkin Zulaikha Greer Architects	C00	09/08/2019
49 BR TZG07	A601	Wet Areas - Elevations	Tonkin Zulaikha Greer Architects	C00	09/08/2019
49 BR TZG07	A650	Entry Lobby 1 Plans and Elevations	Tonkin Zulaikha Greer Architects	C00	09/08/2019
49 BR TZG07	A651	Entry Lobby 1 Entry Elevation	Tonkin Zulaikha Greer Architects	C00	09/08/2019
49 BR TZG07	A652	Entry Lobby 2 Plans and Elevations	Tonkin Zulaikha Greer Architects	C00	09/08/2019
49 BR TZG07	A700	Joinery Details 1	Tonkin Zulaikha Greer Architects	C00	09/08/2019
49 BR TZG07	A701	Joinery Details 2	Tonkin Zulaikha Greer Architects	C00	09/08/2019
49 BR TZG07	A702	Joinery Details 3	Tonkin Zulaikha Greer Architects	C00	09/08/2019
49 BR TZG07	A703	Joinery Details 4	Tonkin Zulaikha Greer Architects	C00	09/08/2019
49 BR TZG07	A704	Joinery Details 5	Tonkin Zulaikha Greer Architects	C00	09/08/2019
49 BR TZG07	A705	Joinery Details 6	Tonkin Zulaikha Greer Architects	C00	09/08/2019

Information Relied Upon in Certificate Determination

- Application form for Crown Certificate issued by Ian Cashen of Sydney Opera House Trust, dated 03/02/2020
- Annual Fire Safety Statement issued by Ian Cashen of Sydney Opera House Trust, dated 06/11/2019
- Acoustic Plans issued by Tonkin Zulaikha Greer Architects
- Branz Test Type Summary for Instyle Ecoustic Panel 50mm issued by Branz, dated 02/12/2014
- Branz Test Type Summary for Martini Absorb HD issued by Branz, dated 02/05/2016
- Hazmat Register, Version 1.11, dated 20/11/2019
- Development Consent No. SSD 8663 and stamped DA Drawings issued by Rob Stokes of Department of Planning, Industry and Environment, dated 12/12/2019
- Letter of Confirmation of No request to apply for a Section 4.55 Modification of SSD 8663 issued by Ian Cashen of Sydney Opera House Trust, dated 05/02/2020
- Pre-Construction Compliance Report issued by Ian Cashen of Sydney Opera House dated 26/02/2020
- Confirmation of Receipt of Audit Programme, issued by Department of Planning dated 06/01/2020
- Independent Environmental Audit Program, Version 02 issued by Wolf Peak, dated 08/02/2020
- Evidence of Submission of Section 60 Approval to the City of Sydney Council, issued by Peter Doyle of Sydney Opera House dated 29/01/2020
- Confirmation of receipt of Section 60 Approval issued by Department of Planning, Industry & Environment dated 04/02/2020
- Application under section 60 State Heritage Register No. 01685 issued by Tim Smith of Heritage Council of NSW, dated 23/01/2020
- Evidence of Submission of Notice of Engagement of Heritage Consultant to City of Sydney Council, issued by Peter Doyle of Sydney Opera House dated 08/01/2020
- Evidence of submission of Heritage Consultant Engagement to Planning Secretary issued by Peter Doyle of Sydney Opera House dated 13/01/2020
- Heritage Consultant Nomination Letter issued by Alan Croker of Design 5 Architects, dated 17/12/2019
- Hazardous Material Demolition Survey Reference No. S11128-R01-A1 issued by HIBBS, dated 15/01/2019
- Hazardous Material Management Plan No. S11149-HMMP V4 issued by HIBBS, dated 26/02/2020
- Hazmat – Unexpected Finds Document
- Evidence of Submission of Archival recording to Heritage Council issued by David Nix of Heritage NSW, dated 18/02/2020
- Evidence of Submission of Archival Recording to Planning Secretary issued by Peter Doyle of Sydney Opera House dated 18/02/2020
- Confirmation of ESD (Ecologically Sustainable Development) Compliance issued by Kazi Hossain of Cundall, dated 23/01/2020
- Construction Environmental Management Plan No. S11164-CEMP-R01-A1 issued by HIBBS, dated 13/02/2020
- Evidence of Submission of CEMP to Council issued by Peter Doyle of Sydney Opera House dated 21/02/2020
- Construction Waste Management Plan No. S11164 -CWMP-R02-A01 issued by HIBBS, dated 12/02/2020
- Confirmation of Councils Endorsement of the CTMP issued by Amy Douglas of City of Sydney Council dated 21/01/2020
- Confirmation of endorsement of CPTMP by TfNSW (RMS) and Sydney Coordination Office, issued by Alex Karki of TfNSW dated 05/02/2020
- Evidence of Submission of CNVMP to Council issued by Peter Doyle of Sydney Opera House dated 21/02/2020
- Construction Noise and Vibration Management Sub Plan No. S11163-R01-CNVMSPP-A1 issued by HIBBS, dated 12/02/2020
- Mechanical Plant Noise Mitigation issued by Nick Boulter of ARUP, dated 19/02/2020
- Demolition Plan Revision 02 issued by Nass Services, dated 03/02/2020
- Demolition Statement issued by Rob Mitchell of Nass Services

- Statement of Intention to Comply with Conditions of Development Consent SSD 8663 issued by Ian Cashen of Sydney Opera House Trust, dated 05/02/2020
- Evidence of Submission of Structural Drawings to Council issued by Peter Doyle of Sydney Opera House dated 21/02/2020
- Construction Pedestrian & Traffic Management Plan, Issue 7 issued by Andrew Morse of PTC Consultants, dated 07/02/2020
- Long Service Levy Receipt of Payment No. 00409731, dated 20/12/2019
- Structural Design Certificate and associated drawings issued by Jonathan Onslow of Aecom, dated 03/02/2020
- Design Certificate for Mechanical Services and associated drawings issued by Kheng Ip of Aecom, dated 30/03/2020
- Design Certificate for Electrical Services and associated drawings issued by Christopher Arkins of Steensen Varming, dated 31/03/2020
- Design Statement for Fire Services and associated drawings issued by David Bolt of Warren Smith & Partners Pty Ltd, dated 14/02/2020
- Design Certificate for Hydraulic Services and associated drawings issued by Campbell Hazelton of Warren Smith & Partners Pty Ltd, dated 14/02/2020
- Design Statement for Disabled Access & Egress issued by Richard Seidman of iAccess Consultants, dated 17/02/2020
- Access Report No. IAC-333, issued by Richard Seidman of iAccess Consultants, dated 17/02/2020
- Performance Solution Report Reference No. IAC-333, issued by Jenna Fivelman of iAccess Consultants, dated 17/02/2020
- Test Report No. 15-002264 for "5mm Wool Design Felt" issued by Michael A. Jackson of Australian Wool Testing Authority Ltd, dated 10/06/2015
- Certificate of Test Report No. FNC8661 for Promayon Board for fire-resistant walls and ceilings issued by R. Collins of CSIRO, dated 16/08/2006
- Test Report No. FNK 0679 for test on Homogeneous Promaxon Board issued by CSIRO, dated 27/07/2005
- Test Report No. 125619 for BOLON Woven Vinyl Folded Yarn Construction issued by M. B. Webb of APL Australia Pty Ltd, dated 12/06/2012
- Test Report No. 15-006003 for Surestep/Safestep 171952 issued by Michael A. Jackson of Australian Wool Testing Authority Ltd, dated 13/01/2016
- Test Report No. 7-552929-AV for Stretch Ceiling Material issued by Michael A. Jackson of Australian Wool Testing Authority Ltd, dated 14/06/2007
- Test Report No. FNK 8641 for test on Polyester Insulation Backed Slotted Plywood Panel issued by CSIRO, dated 17/07/2006
- Ergonomics Performance Solution Report, issued by David Caple of David Caple 7 Associates dated 27/03/2020
- Fire Engineering Report Front of House Renewals 243928-08 Rev C09 issued by Alistair Morrison of Arup dated 26/03/2020
- Architectural Design Statement – compliance with the Building Code of Australia 2016 – issued by Tim Greer of Tonkin Zulaikha Greer Architects dated 21/02/2020
- Aconex confirmation of BCA 2016 applicable version issued by Paul Najor of the Sydney Opera House, aconex BD&M-GCOR-010330 dated 31/03/2020
- Evidence of Submission of the Pre-operation Compliance Report to the Department of Planning, Industry and Environment issued by Peter Doyle of Sydney Opera House dated 26/02/2020

Schedule of Conditions

The following conditions are to be addressed within 30 days of the issue of the Crown Certificate for Building Works, and approved by a subsequent Crown Building Works Certificate:

1. The Clause 144 Referral of the Fire Engineering Report to FRNSW is to be completed.
2. For the Fire Engineering Report, provide an unconditional Peer Review Report.