

Sydney Opera House

EPBC Approval 2016/7825 Annual Compliance Report Period: 26 June 2019 to 25 June 2020

Report Date: 25 September 2020



1. Declaration of accuracy

In making this declaration, I am aware that sections 490 and 491 of the *Environment Protection and Biodiversity Conservation Act 1999* (Cth) (EPBC Act) make it an offence in certain circumstances to knowingly provide false or misleading information or documents. The offence is punishable on conviction by imprisonment or a fine, or both. I declare that all the information and documentation supporting this compliance report is true and correct in every particular. I am authorised to bind the approval holder to this declaration and that I have no knowledge of that authorisation being revoked at the time of making this declaration.

Signed:



| | |
|---------------|---|
| Full name: | Ian Cashen |
| Position: | Director, Building, Safety and Security |
| Organisation: | Sydney Opera House (ABN: 69 712 101 035) |
| Date | 25/09/2020 |

2. Document Version Control

| Date | Version | Prepared by | Approved by | Filename/path |
|--------------|------------|-------------|-------------|--|
| 26 Sept 2018 | 2018 Final | Peter Doyle | Ian Cashen | 20180926 EPBC Annual Report FINAL.docx |
| 10 Sept 2019 | 2019 Draft | Peter Doyle | | 20190910 EPBC Annual Report DRAFT.docx |
| 26 Sept 2019 | 2019 Final | Peter Doyle | Ian Cashen | 20190926 EPBC Annual Report FINAL.docx |
| 18 Sept 2020 | 2020 Draft | Peter Doyle | | 20200918 EPBC Annual Report DRAFT.docx |
| 25 Sept 2020 | 2020 Final | Peter Doyle | Ian Cashen | 20200925 EPBC Annual Report FINAL.docx |

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4. Description of Activities

4.1. EPBC Number:

2016/7825

4.2. Project Name:

Sydney Opera House Building Renewal Program

4.3. Approval Holder:

Sydney Opera House

4.4. Approval Holder ABN:

69 712 101 035

4.5. Approved Action:

To undertake part of the Sydney Opera House Building Renewal Program, Sydney, NSW. The package of works is for operational enhancements, accessibility upgrades and improved work, health and safety standards in the Joan Sutherland Theatre, Entry Foyer and Function Centre.

4.6. Location of the Project:

2 Circular Quay East, Bennelong Point, Sydney.

Lot 4 DP 787933 and Lot 5 DP 775888

4.7. Reporting Period:

26 June 2019 to 25 June 2020

4.8. Report Date:

25 September 2020

4.9. Activities during Current Period:

During previous reporting periods, Safety, Accessibility and Venue Enhancement works (SAVE) were completed in the Joan Sutherland Theatre (JST).

Construction of the new Function Centre, within the north eastern part of the Podium was completed during the prior period. The Function Centre was officially opened as the Yallamundi Rooms (Yallamundi means “storyteller” in the local Dharug language) in April 2019.

The Lift 36 Component of the Entry Foyer was completed during the period.

5. Compliance Table

| Condition Number | Condition | Is the project compliant with this condition? Compliant/ Non-Compliant/ Not applicable | Evidence/Comments |
|------------------|--|--|---|
| 1) | To minimise the impacts of the action on protected matters, the person taking the action must implement conditions of the approval granted for SSD16_7665 under the <i>Environmental Planning & Assessment Act 1979</i> (NSW) as in force or existing from time to time, where those conditions relate to managing, mitigating, avoiding, recording or reporting on impacts to protected matters: <i>A5. This consent in no way implies approval for the provision of two new slot windows along the eastern facade of the Sydney Opera House Building to provide natural light and amenity for the office accommodation.</i> | Compliant | The slot windows have been removed from the project scope. |
| | <i>A6. The use of the LED screen in the Uzton Bar and Lounge for advertising at any time is prohibited.</i> | Compliant | The Content Management System which controls content displayed on screens throughout the SOH allows only two curated pieces to be shown on that screen, and these do not include advertising. |
| | <i>A7. This consent includes the provision of temporary box office and cloaking facilities to be located on the vehicle concourse and used for the duration of the construction works.</i> | Not applicable | The temporary facilities were not implemented during the period. |
| | <i>B3. Prior to the certification of Crown Building Works, a suitably qualified and experienced heritage consultant must be engaged to:</i> a) <i>Inspect the demolition and removal of material to ensure there is no unapproved removal of significant fabric or elements; and</i> b) <i>Provide ongoing advice to tradespeople undertaking the works throughout the construction period.</i> | Compliant | Design 5 Architects (Alan Croker, Sydney Opera House Heritage Architect) were engaged by the SOH on 31 May 2017. (Evidence provided in 2018 Compliance Report) Design 5 has undertaken regular inspections throughout the construction activities and provided ongoing advice to tradespeople. |
| | <i>B10. Prior to the certification of Crown Building Works, a photographic archival record of all areas undergoing works must be prepared in accordance with the document How to Prepare Archival Records by the Heritage Council of NSW, and submitted to the Heritage Council and the Department.</i> | Compliant | <ul style="list-style-type: none"> JST SAVE - Completed by Evolving Pictures. Copies were issued to the NSW Heritage Council and NSW Department of Planning & Environment on 24 April 2017. Entry Foyer/Lift 36 - Photos have been recorded by "Evolving Pictures" for archaeological archive purposes on the 7 March 2019 at project commencement, progress photos were captured of the overall project, and photos at completion were captured on 16 July 2020. Ballet Rehearsal Room – Photos were recorded by "Evolving Pictures" for archive purposes on the 12 July 2017 at project commencement, and progress photos were captured of the overall project as well as on completion in March 2018. Function Centre - Photos were recorded by "Evolving Pictures" for archive purposes on the 12 July 2017 at project commencement, progress photos were captured of the overall project, and photos at completion were captured on 8 October 2019.. |
| | <i>C6. Vibration caused by construction at any residence or structure outside the subject site must be limited to:</i> a) <i>for structural damage vibration to buildings (excluding heritage buildings), British Standard BS 7385 Part 2-1993 Evaluation and Measurement for Vibration in Buildings;</i> b) <i>for structural damage vibration to heritage buildings, German Standard DIN 4150 Part 3 Structural Vibration in Buildings Effects on Structure; and</i> c) <i>for human exposure to vibration, the evaluation criteria presented in British Standard BS 6472- Guide to Evaluate Human Exposure to Vibration in Buildings (1Hz to 80Hz) for low probability of adverse comment.</i> | Compliant | This was covered in Laing O'Rourke Australia Construction (LORAC) Construction Noise & Vibration Management Plan 9 May 2017. (Evidence provided in 2018 Compliance Report) |
| | <i>C7. All significant building fabric and building elements are to be protected during the works from potential damage. Protection systems must ensure historic fabric is not damaged or removed.</i> | Compliant | Protection systems periodically checked with site walks and Design 5 inspections. The need to protect significant building fabric was also covered in contractor site inductions. |
| | <i>C8. The installation of new services shall be carried out in such a manner as to minimise damage to, or removal of, significant fabric.</i> | Compliant | LORAC confirmed compliance in their Crown Certificate (CC) documentation. (Evidence provided in 2018 Compliance Report) |
| | <i>C9. The steps and associated handrails required to be removed for the escalator installation are to be carefully removed, catalogued, safely stored and able to be readily reinstated.</i> | Not applicable | The escalators component of the project was not commenced during the reporting period. |
| | <i>C10. Any significant internal building fabric and elements approved to be removed are to be carefully removed, catalogued, safely stored and able to be readily reinstated, including the white birch 'wobbly' panels and door hardware.</i> | Compliant | Schedule of existing affected fabric prepared by Design 5 Architects. Significant items stored at Leichhardt. |

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|----|--|----------------|---|
| | <p>C18. The following hoarding requirements shall be complied with:</p> <p>a) no third party advertising is permitted to be displayed on the subject hoarding/fencing; and</p> <p>b) the construction site manager shall be responsible for the removal of all graffiti from any construction hoarding/fencing or the like within the construction area within 48 hours of its application.</p> | Compliant | |
| 2) | To minimise the impacts of the action on protected matters, the person taking the action must notify the Department in writing of any proposed change to the conditions of the State Government approval for which Condition 1 applies, if those changes relate to managing, mitigating, avoiding, recording or reporting on impacts to protected matters. This notification must be provided no later than 2 weeks after: formally proposing such a variation in writing; or becoming aware of the State Government proposing a change. | Not applicable | The SOH sought a modification of SSD7665 in August 2018. The modification was approved on 26 November 2018. The conditions of the approval changed by the modification do not alter the requirements on the SOH that relate to managing, mitigating, avoiding, recording or reporting on impacts to protected matters. Modification approval included in Appendix 2. |
| 3) | <p>To minimise the impacts of the action on protected matters, the person taking the action must resolve the following:</p> <ol style="list-style-type: none"> Final expression of cuts through cranked beams and stairs for the new accessible passageway on Level 3 of the Joan Sutherland Theatre. Signage, LED screens, handrails and escalator finishes. Final design of lifts at each level of the building in relation to heritage fabric. Dimensions and finishes of the Function Centre internal wall openings. Final designs of any other currently unresolved detailing. Advise how the design finishes are consistent with Utzon's colour palette and Peter Hall's original interior fitout. <p>Prior to commencement of each element, the person taking the action must notify the Department in writing of the final designs and that the design finishes have been supported in writing by: the Eminent Architects Panel, Sydney Opera House Heritage Architect and Conservation Council.</p> | Compliant | <p>JST SAVE Project: Notice was sent to the DEE 26 June 2017. (Evidence provided in 2018 Report)</p> <p>Ballet Rehearsal Room Project: Notice was sent to the DEE 24 August 2017. (Evidence provided in 2018 Report)</p> <p>Function Centre Project: Notice was sent to the DEE 13 February 2018. (Evidence provided in 2018 Report)</p> <p>Entry Foyer Project (Lift 36 Component): Notice was sent to the DEE 25 September 2018. (Copy of notification letter included in Appendix 3)</p> |
| 4) | <p>To minimise the impacts of the action on protected matters, the person taking the action must, within 6 months of commencement of the action, submit for the Minister's approval, a five (5) year Heritage Interpretation Strategy for the interpretation of the architectural history of the Sydney Opera House and its World and National Heritage values. The Heritage Interpretation Strategy must include:</p> <ol style="list-style-type: none"> A commitment to display information about the evolution of the design and fabric of the building, including through the building renewal program, in publicly accessible areas. Information to be displayed, including photographs of the relevant elements of the action in their original context alongside the proposed modifications, in particular any works affecting the original Peter Hall fitout that will be removed. The photographic recording must be undertaken in accordance with the Photographic Recording of Heritage Items Using Film or Digital Capture (2006) guidelines issued by the New South Wales Heritage Office. Presentation of biographical details of Jorn Utzon and Peter Hall and a description of their roles and vision for the design and construction of the Sydney Opera House. Provision for permanent information accessible through the Sydney Opera House website as an online archival record of the building and the renewal program. A timeline for the implementation of the interpretation works. <p>The Heritage Interpretation Strategy must be implemented once it has been approved by the Minister. Commencement of the Function Centre cannot begin until the Minister has approved the Heritage Interpretation Strategy.</p> | Compliant | <p>The Renewal Interpretation Strategy was approved by Minister's delegate 21 December 2017. (Evidence provided in 2018 Report)</p> <p>The Function Centre works commenced on 5 February 2018. (Evidence provided in 2018 Report)</p> |
| 5) | To minimise the impacts of the action on protected matters, the person taking the action must, prior to commencement of the action, and until completion of construction, publicly display content about the building renewal program on construction fencing / hoarding. | Compliant | Hoardings are being used onsite to communicate conservation and building Renewal info and key messages and to facilitate visitor navigation during construction. See Appendix 5. |

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| 6) | To minimise the impacts of the action on protected matters, the person taking the action must, during construction, publicly display photographic exhibitions of the building renewal program on at least two occasions on the Western Broadwalk. Details of the exhibitions must be included in the Heritage Interpretation Strategy. | Not applicable | Renewal Interpretation Strategy includes the following action: Install temporary photographic exhibitions on the Western Broadwalk or other temporary exhibition space on a minimum of two occasions, in conjunction with Renewal works milestones and other key events. For example World Monuments and Sites Day in April 2018 and ICOMOS General Assembly in November 2020. This action to take place in the timeframe 2018-2022. 'Horisont exhibition exploring Utzon's influences took place from 14 to 28 October 2018 on the Western Broadwalk and in the Bennelong Passage. (Refer to Renewal Interpretation Strategy Action Plan Update – Appendix 4) |
| 7) | Within 20 business days after the commencement of the action, the person taking the action must advise the Department in writing of the actual date of commencement. | Compliant | See Condition 3 above. Entry Foyer Project (Lift 36 Component): Notice was sent to the DEE 25 September 2018. (Copy of notification letter included in Appendix 3) |
| 8) | The person taking the action must maintain accurate records substantiating all activities associated with or relevant to the conditions of approval, including measures taken to implement the Heritage Interpretation Strategy required by this approval, and make them available to the Department upon request. Such records may be subject to audit by the Department or an independent auditor in accordance with section 458 of the EPBC Act, or used to verify compliance with the conditions of approval. Summaries of audits will be posted on the Department's website. The results of audits may also be publicised through the general media. | Compliant | SOH maintains compliance registers for SSD and EPBC approvals. Heritage Interpretation Strategy status reports are presented regularly to the Sydney Opera House Executive Team and the Conservation Council. |
| 9) | Within three months of every 12 month anniversary of the commencement of the action, the person taking the action must publish a report on their website addressing compliance with each of the conditions of this approval, including implementation of any management plans as specified in the conditions. Documentary evidence providing proof of the date of publication and non-compliance with any of the conditions of this approval must be provided to the Department at the same time as the compliance report is published. | Compliant | Report published on SOH website: https://www.sydneyoperahouse.com/general/corporate-information/planning-approvals/compliance-report-guidelines.html : 25 September 2020 Report sent to DEE 25 September 2019 |
| 10) | The person taking the action may choose to revise the Heritage Interpretation Strategy approved by the Minister under Condition 4 without submitting it for approval under section 143A of the EPBC Act, if the taking of the action in accordance with the revised Heritage Interpretation Strategy would not be likely to have a new or increased impact. If the person taking the action makes this choice they must: <ul style="list-style-type: none"> i. Notify the Department in writing that the approved Heritage Interpretation Strategy has been revised and provide the Department with an electronic copy of the revised Heritage Interpretation Strategy; ii. Implement the revised Heritage Interpretation Strategy from the date that the Heritage Interpretation Strategy is submitted to the Department; and iii. For the life of this approval, maintain a record of the reasons the approval holder considers that taking the action in accordance with the Heritage Interpretation Strategy would not be likely to have a new or increased impact. | Not applicable | |
| 10A) | The person taking the action may revoke their choice under Condition 10 at any time by notice to the Department. If the person taking the action revokes the choice to implement the Heritage Interpretation Strategy, without approval under section 143A of the EPBC Act, the Heritage Interpretation Strategy approved by the Minister must be implemented. | Not applicable | |
| 10B) | If the Minister gives a notice to the person taking the action that the Minister is satisfied that the taking of the action in accordance with the Heritage Interpretation Strategy would be likely to have a new or increased impact, then: <ul style="list-style-type: none"> i. Condition 10 does not apply, or ceases to apply, in relation to the revised Heritage Interpretation Strategy; and ii. The person taking the action must implement the Heritage Interpretation Strategy approved by the Minister. To avoid any doubt, this condition does not affect any operation of Conditions 10 and 10A, in the period before the day the notice is given. At the time of giving the notice the Minister may also notify that for a specified period of time that Condition 10 does not apply for the Heritage Interpretation Strategy required under the approval. | Not applicable | |
| 10C) | Conditions 10, 10A and 10B are not intended to limit the operation of section 143A of the EPBC Act, which allows the person taking the action to submit a Heritage Interpretation Strategy to the Minister for approval. | Not applicable | |

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| 11) | If, at any time after 10 years from the date of this approval, the person taking the action has not substantially commenced the action, then the person taking the action must not substantially commence the action without the written agreement of the Minister. | Not applicable | Action substantially commenced as per Condition 7 above. |
| 12) | Unless otherwise agreed to in writing by the Minister, the person taking the action must publish the Heritage Interpretation Strategy referred to in these conditions of approval on their website. The Heritage Interpretation Strategy must be published on the website within 1 month of being approved by the Minister or being submitted under Condition 10i. | Compliant | The strategy is available on SOH's website https://www.sydneyoperahouse.com/content/dam/pdfs/renewal/171214_Renewal-Interpretation-Strategy_FINAL2.pdf |

6. Non-compliances

Nil to report.

7. New Environmental Risks

No new environmental risks to report.

Appendix 1 - EPBC 2016/7825 Approval



Approval

Sydney Opera House Building Renewal Program - Safety, Accessibility and Venue Enhancements (EPBC 2016/7825)

This decision is made under sections 130(1) and 133 of the *Environment Protection and Biodiversity Conservation Act 1999*.

Proposed action

person to whom the approval is granted Sydney Opera House

proponent's ABN ABN: 69 712 101 035

proposed action To undertake part of the Sydney Opera House Building Renewal Program, Sydney, NSW. The package of works is for operational enhancements, accessibility upgrades and improved work, health and safety standards in the Joan Sutherland Theatre, Entry Foyer and Function Centre.

[See EPBC Act referral 2016/7825, and request for variation received 3 March 2017 and accepted 14 March 2017].

Approval decision

| Controlling Provision | Decision |
|---|----------|
| World Heritage properties (sections 12 & 15A) | Approve |
| National Heritage places (sections 15B & 15C) | Approve |

conditions of approval

This approval is subject to the conditions specified below.

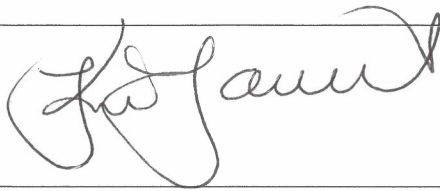
expiry date of approval

This approval has effect until 31 May 2027.

Decision-maker

name and position Kim Farrant
Assistant Secretary
Assessments (NSW, ACT) and Fuel Branch

signature



date of decision 20.6.17

Conditions attached to the approval

- 1) To minimise the impacts of the action on **protected matters**, the person taking the action must implement conditions A5, A6, A7, B3, B10, C6, C7, C8, C9, C10 and C18 of the approval granted for SSD16_7665 under the *Environmental Planning & Assessment Act 1979* (NSW) as in force or existing from time to time, where those conditions relate to managing, mitigating, avoiding, recording or reporting on impacts to **protected matters**.
- 2) To minimise the impacts of the action on **protected matters**, the person taking the action must notify the **Department** in writing of any proposed change to the conditions of the State Government approval for which Condition 1 applies, if those changes relate to managing, mitigating, avoiding, recording or reporting on impacts to **protected matters**. This notification must be provided no later than 2 weeks after: formally proposing such a variation in writing; or becoming aware of the State Government proposing a change.
- 3) To minimise the impacts of the action on **protected matters**, the person taking the action must resolve the following:
 - i. Final expression of cuts through cranked beams and stairs for the new accessible passageway on Level 3 of the Joan Sutherland Theatre.
 - ii. Signage, LED screens, handrails and escalator finishes.
 - iii. Final design of lifts at each level of the building in relation to heritage fabric.
 - iv. Dimensions and finishes of the Function Centre internal wall openings.
 - v. Final designs of any other currently unresolved detailing.
 - vi. Advise how the design finishes are consistent with Utzon's colour palette and Peter Hall's original interior fitout.

Prior to **commencement of each element**, the person taking the action must notify the **Department** in writing of the final designs and that the design finishes have been supported in writing by: the **Eminent Architects Panel**, **Sydney Opera House Heritage Architect** and **Conservation Council**.

- 4) To minimise the impacts of the action on **protected matters**, the person taking the action must, within 6 months of **commencement** of the action, submit for the **Minister's** approval, a five (5) year Heritage Interpretation Strategy for the **interpretation** of the architectural history of the Sydney Opera House and its World and National Heritage values. The Heritage Interpretation Strategy must include:
 - i. A commitment to display information about the evolution of the design and fabric of the building, including through the building renewal program, in publicly accessible areas.

- ii. Information to be displayed, including photographs of the relevant elements of the action in their original context alongside the proposed modifications, in particular any works affecting the original Peter Hall fitout that will be removed. The photographic recording must be undertaken in accordance with the *Photographic Recording of Heritage Items Using Film or Digital Capture (2006)* guidelines issued by the New South Wales Heritage Office.
- iii. Presentation of biographical details of Jorn Utzon and Peter Hall and a description of their roles and vision for the design and construction of the Sydney Opera House.
- iv. Provision for permanent information accessible through the Sydney Opera House website as an online archival record of the building and the renewal program.
- v. A timeline for the implementation of the interpretation works.

The Heritage Interpretation Strategy must be implemented once it has been approved by the **Minister**. **Commencement** of the Function Centre cannot begin until the **Minister** has approved the Heritage Interpretation Strategy.

- 5) To minimise the impacts of the action on **protected matters**, the person taking the action must, prior to **commencement** of the action, and until completion of construction, publicly display content about the building renewal program on construction fencing / hoarding.
- 6) To minimise the impacts of the action on **protected matters**, the person taking the action must, during construction, publicly display photographic exhibitions of the building renewal program on at least two occasions on the Western Broadwalk. Details of the exhibitions must be included in the Heritage Interpretation Strategy.
- 7) Within 20 business days after the **commencement** of the action, the person taking the action must advise the **Department** in writing of the actual date of **commencement**.
- 8) The person taking the action must maintain accurate records substantiating all activities associated with or relevant to the conditions of approval, including measures taken to implement the Heritage Interpretation Strategy required by this approval, and make them available to the **Department** upon request. Such records may be subject to audit by the **Department** or an independent auditor in accordance with section 458 of the **EPBC Act**, or used to verify compliance with the conditions of approval. Summaries of audits will be posted on the **Department's** website. The results of audits may also be publicised through the general media.
- 9) Within three months of every 12 month anniversary of the **commencement** of the action, the person taking the action must publish a report on their website addressing compliance with each of the conditions of this approval, including implementation of any management plans as specified in the conditions. Documentary evidence providing proof of the date of publication and non-compliance with any of the conditions of this approval must be provided to the **Department** at the same time as the compliance report is published.
- 10) The person taking the action may choose to revise the Heritage Interpretation Strategy approved by the **Minister** under Condition 4 without submitting it for approval under section 143A of the **EPBC Act**, if the taking of the action in accordance with the revised Heritage Interpretation Strategy would not be likely to have a new or increased impact. If the person taking the action makes this choice they must:

- i. Notify the **Department** in writing that the approved Heritage Interpretation Strategy has been revised and provide the **Department** with an electronic copy of the revised Heritage Interpretation Strategy;
- ii. Implement the revised Heritage Interpretation Strategy from the date that the Heritage Interpretation Strategy is submitted to the **Department**; and
- iii. For the life of this approval, maintain a record of the reasons the approval holder considers that taking the action in accordance with the Heritage Interpretation Strategy would not be likely to have a new or increased impact.

10A) The person taking the action may revoke their choice under Condition 10 at any time by notice to the **Department**. If the person taking the action revokes the choice to implement the Heritage Interpretation Strategy, without approval under section 143A of the **EPBC Act**, the Heritage Interpretation Strategy approved by the **Minister** must be implemented.

10B) If the **Minister** gives a notice to the person taking the action that the **Minister** is satisfied that the taking of the action in accordance with the Heritage Interpretation Strategy would be likely to have a new or increased impact, then:

- i. Condition 10 does not apply, or ceases to apply, in relation to the revised Heritage Interpretation Strategy; and
- ii. The person taking the action must implement the Heritage Interpretation Strategy approved by the **Minister**.

To avoid any doubt, this condition does not affect any operation of Conditions 10 and 10A, in the period before the day the notice is given.

At the time of giving the notice the **Minister** may also notify that for a specified period of time that Condition 10 does not apply for the Heritage Interpretation Strategy required under the approval.

10C) Conditions 10, 10A and 10B are not intended to limit the operation of section 143A of the **EPBC Act**, which allows the person taking the action to submit a Heritage Interpretation Strategy to the **Minister** for approval.

11) If, at any time after 10 years from the date of this approval, the person taking the action has not substantially commenced the action, then the person taking the action must not substantially commence the action without the written agreement of the **Minister**.

12) Unless otherwise agreed to in writing by the **Minister**, the person taking the action must publish the Heritage Interpretation Strategy referred to in these conditions of approval on their website. The Heritage Interpretation Strategy must be published on the website within 1 month of being approved by the **Minister** or being submitted under Condition 10i.

Definitions:

Commencement: the first instance of an activity. In relation to the action, it includes any demolition, construction or interior refurbishment associated with the action, excluding the erection of exterior hoardings, fences or signs and the conduct of heritage, environmental or other low impact surveys.

Commencement of each element: the elements of the action are defined as:

- Joan Sutherland Theatre projects, including the Follow Spot Room; safety curtain; accessibility projects (seating, Lift 31, Northern Foyer level 2 access, stage to auditorium access); dressing room upgrades; and sanitary facilities.
- Ballet Rehearsal Room
- Entry Foyer, including Lift 36
- Entry Foyer escalator
- Function Centre
- Joan Sutherland Theatre Northern Foyer level 3 access
- Eastern Accommodation

The **Department:** the Australian Government department responsible for administration of the **EPBC Act**.

The **EPBC Act:** the *Environment Protection and Biodiversity Conservation Act 1999 (Cth)*.

The **Minister:** the Australian Government minister responsible for administering the **EPBC Act** or any nominated delegate.

Interpretation: means an action, activity, tool, technique or technology used to present and enhance understanding of an item or place's heritage and cultural significance. Interpretation may include, but is not limited to, a combination of the treatment and fabric of the item; the use of the item; and the use of interpretive media, such as events, activities, signs and publications.

Protected Matter/s: the World Heritage property and National Heritage place protected under the provisions of the EPBC Act for which this approval has effect.

The **Eminent Architects Panel; Sydney Opera House Heritage Architect;** and the **Conservation Council:** the advisory groups responsible for providing conservation and heritage advice to the person proposing to take the action.

Appendix 2 - SSD16_7665 Consent & SSD_7665 MOD1

Development consent

Section 89E of the *Environmental Planning and Assessment Act 1979*

I grant consent to the development application referred to in Schedule 1, subject to the conditions in Schedule 2.

These conditions are required to:

- prevent, minimise, and/or offset adverse environmental impacts including economic and social impacts;
- set standards and performance measures for acceptable environmental performance;
- require regular monitoring and reporting; and
- provide for the ongoing environmental management of the development.



Anthony Roberts
Minister for Planning

Sydney

24/5/

2017

SCHEDULE 1

| | |
|---------------------------|--|
| Application No.: | SSD 7665 |
| Applicant: | The Sydney Opera House Trust |
| Consent Authority: | Minister for Planning |
| Land: | 2 Circular Quay East, Bennelong Point, Sydney. Lot 4 DP 787933 and Lot 5 DP 775888 |
| Development: | Safety, accessibility and venue enhancement works to the Joan Sutherland Theatre, new office accommodation, and entry foyer refurbishment works at the Sydney Opera House. |

DEFINITIONS

| | |
|---------------------------------------|--|
| Advisory Notes | Advisory information relating to the consent but do not form a part of this consent |
| Applicant | The Sydney Opera House Trust |
| Application | The development application and the accompanying drawings plans and documentation described in Condition A2 |
| AS | Australian Standard |
| Construction | Any works, including earth and building works |
| Council | City of Sydney Council |
| Certification of Crown Building works | Certification under section 109R of the EP&A Act |
| Certifying Authority | Means a person who is authorised by or under section 109D of the EP&A Act to issue a construction certificate under Part 4A of the EP&A Act; or in the case of Crown development, a person qualified to conduct a Certification of Crown Building works |
| Day time | The period from 7am to 6pm on Monday to Saturday, and 8am to 6pm on Sundays and Public Holidays |
| Department | Department of Planning and Environment or its successors |
| Evening | The period from 6pm to 10pm |
| EIS | Environmental Impact Statement entitled ' <i>Sydney Opera House Building Renewal Safety, Accessibility and Venue Enhancement Works and Entry Foyer Refurbishment</i> ', and accompanying appendices, prepared by Keylan Consulting Pty Ltd, dated September 2016. |
| EPA | Environment Protection Authority, or its successor |
| EP&A Act | <i>Environmental Planning and Assessment Act 1979</i> |
| EP&A Regulation or Regulation | <i>Environmental Planning and Assessment Regulation 2000</i> |
| Heritage Council | Heritage Council of NSW |
| Minister | Minister for Planning, or nominee |
| NCC | National Construction Code 2016 |
| Night time | The period from 10pm to 7am on Monday to Saturday, and 10pm to 8am on Sundays and Public Holidays |
| OEH | Office of the Environment and Heritage, or its successor |
| Reasonable and Feasible | Reasonable relates to the application of judgement in arriving at a decision, taking into account: mitigation benefits, cost of mitigation versus benefits provided, community views and the nature and extent of potential improvements. Feasible relates to engineering considerations and what is practical to build. |
| RtS | Response to Submissions entitled ' <i>Sydney Opera House Building Renewal Program Safety, Accessibility, and Venue Enhancement Works and Entry Foyer Refurbishment (SSD 7665)</i> ', and accompanying appendices, prepared by Keylan Consulting Pty Ltd, dated 3 February 2017. |
| RMS | Roads and Maritime Services Division, Department of Transport, or its successor |
| Secretary | Secretary of the Department of Planning and Environment, or nominee/delegate |
| Sensitive receiver | Residence, education institution (e.g. school, university, TAFE college), health care facility (e.g. nursing home, hospital), religious facility (e.g. church) and children's day care facility. |
| SOH | Sydney Opera House |
| Standard Construction Hours | Standard construction hours recommended in Table 1 Chapter 2 of the <i>Interim Construction Noise Guideline, July 2009 (ICNG)</i> |
| Subject Site | 2 Circular Quay East, Bennelong Point, Sydney (Lot 4 DP 787933 and Lot 5 DP 775888) |

SCHEDULE 2

PART A ADMINISTRATIVE CONDITIONS

Terms of Consent

A1. The Applicant, in acting on this consent, must carry out the development:

- a) generally in accordance with the Environmental Impact Statement entitled 'Sydney Opera House Building Renewal Safety, Accessibility and Venue Enhancement Works and Entry Foyer Refurbishment', and accompanying appendices, prepared by Keylan Consulting Pty Ltd, dated September 2016;
- b) generally in accordance with the Response to Submissions entitled 'Sydney Opera House Building Renewal Program Safety, Accessibility, and Venue Enhancement Works and Entry Foyer Refurbishment (SSD 7665)', and accompanying appendices, prepared by Keylan Consulting Pty Ltd, dated 3 February 2017;
- c) in compliance with the conditions of this consent; and
- d) the following drawings:

| Works to the Joan Sutherland Theatre | | | |
|--|-----------------|--|-------------|
| Architectural (or Design) Drawings prepared by Scott Carver | | | |
| Sheet No. | Revision | Name of Plan | Date |
| DA000 | C | Cover Sheet | 4/8/2016 |
| DA001 | B | Material Board | 2/8/2016 |
| DA011 | B | Overall Demolition Plan – L1 + 30 | 2/8/2016 |
| DA012 | B | Overall Demolition Plan – L2 + 42 | 2/8/2016 |
| DA013 | B | Overall Demolition Plan – L3 + 51 | 2/8/2016 |
| DA014 | B | Overall Demolition Plan – L4 + 61 | 2/8/2016 |
| DA109 | B | Overall Proposed Works Plan – GR + 12 | 2/8/2016 |
| DA110 | B | Overall Proposed Works Plan – GM + 21 | 2/8/2016 |
| DA111 | B | Overall Proposed Works Plan – L1 + 30 | 2/8/2016 |
| DA112 | C | Overall Proposed Works Plan – L2 + 42 | 4/8/2016 |
| DA113 | B | Overall Proposed Works Plan – L3 + 51 | 2/8/2016 |
| DA114 | B | Overall Proposed Works Plan – L4 + 61 | 2/8/2016 |
| DA130 | C | JST Northern Foyer Access – L2 Passage | 4/8/2016 |
| DA135 | B | JST Northern Foyers (W) – L2 Passage Demolition Sections – Sheet 1 | 2/8/2016 |
| DA136 | B | JST Northern Foyers (W) – L2 Passage Demolition Sections – Sheet 2 | 2/8/2016 |
| DA137 | C | JST Northern Foyers (W) – L2 Passage New Works Sections – Sheet 1 | 4/8/2016 |
| DA138 | C | JST Northern Foyers (W) – L2 Passage New Works Sections – Sheet 2 | 4/8/2016 |
| DA150 | B | Dressing Room | 2/8/2016 |
| DA151 | B | Dressing Room – Demolition & Proposed Plans | 2/8/2016 |
| DA160 | B | Orchestra Pit Access | 2/8/2016 |
| DA166 | B | Orchestra Pit Access – Demolition & Proposed Plans (L1) | 2/8/2016 |
| DA170 | B | Toilets | 2/8/2016 |

| | | | |
|-------|---|---|-----------|
| DA171 | B | Toilets (E/W) – Demolition & Proposed Plans | 2/8/2016 |
| DA180 | B | Seating Upgrade | 2/8/2016 |
| DA181 | B | Seating Upgrade – Demolition Plan | 2/8/2016 |
| DA182 | C | Seating Upgrade – Proposed Works | 4/8/2016 |
| DA183 | B | Seating Upgrade – Proposed L2 Section | 2/8/2016 |
| DA184 | B | Seating Upgrade – Modular Wheelchair Platform | 2/8/2016 |
| DA185 | B | Seating Upgrade – Modular Wheelchair Platform Detail | 2/8/2016 |
| DA240 | B | JST Northern Foyer Access – L3 Passage | 2/8/2016 |
| DA244 | B | JST Northern Foyers (W) Passages – Demolition Plans (L2 – L4) | 2/8/2016 |
| DA246 | C | JST Northern Foyers (W) Passages – Proposed Plans (L2 – L4) | 4/8/2016 |
| DA247 | B | JST Northern Foyers (W) Passages – Sections | 2/8/2016 |
| DA250 | B | Lift 31 | 2/8/2016 |
| DA252 | C | Lift 31 – Proposed Plans (L1-L2) | 4/8/2016 |
| DA253 | B | Lift 31 – Proposed Plans (L3-L4) | 2/8/2016 |
| DA254 | B | Lift 31 – Proposed Sections | 2/8/2016 |
| DA256 | B | Lift 31 – Glazing Elevations – Demolition | 2/8/2016 |
| DA257 | B | Lift 31 – Glazing Elevations – Proposed | 2/8/2016 |
| DA449 | C | JST Follow Spot Room – Cover Sheet | 13/1/2017 |
| DA450 | C | Existing Follow Spot Room – Layout | 13/1/2017 |
| DA451 | C | Follow Spot Room – Layout | 13/1/2017 |
| DA452 | C | Follow Spot Room – Sections | 13/1/2017 |
| DA453 | C | Follow Spot Room – Details 1 | 13/1/2017 |
| DA454 | C | Follow Spot Room – Details 2 | 13/1/2017 |
| 931 | B | Safety Curtain @ Proscenium | 8/7/2016 |

| New Office Accommodation | | | |
|--|-----------------|---------------------------------------|-------------|
| Architectural (or Design) Drawings prepared by Tonkin Zulaikha Greer Architects | | | |
| Sheet No. | Revision | Name of Plan | Date |
| A-0000 | B | Cover Page | 5/11/2016 |
| A-0001 | B | Location Plan | 5/11/2016 |
| A-0101 | B | Demolition Ground Floor Plan (+12) | 5/11/2016 |
| A-0102 | B | Demolition Mezzanine Plan (+21) | 5/11/2016 |
| A-1001 | B | Proposed Ground Floor Plan (+12) | 5/11/2016 |
| A-1002 | B | Proposed Mezzanine Plan (+21) | 5/11/2016 |
| A-1201 | B | Proposed Ground Floor RCP (+12) | 5/11/2016 |
| A-1202 | B | Proposed Mezzanine RCP (+21) | 5/11/2016 |
| A-2001 | B | Sections 01 | 5/11/2016 |
| A-2002 | B | Sections 02 | 5/11/2016 |
| A-3001 | B | East Elevation | 5/11/2016 |
| A-6001 | B | Lift 03 – Function Centre and Offices | 5/11/2016 |
| A-9001 | A | Finishes | August 2016 |

| Entry Foyer Refurbishment Works | | | |
|--|-----------------|---------------------------------------|-------------|
| Architectural (or Design) Drawings prepared by Tonkin Zulaikha Greer Architects | | | |
| Sheet No. | Revision | Name of Plan | Date |
| A-0000 | A | Cover Page | 2/8/2016 |
| A-0001 | A | Location Plan (+30) | 2/8/2016 |
| A-0101 | A | Demolition Level 1 Plan (+30) | 2/8/2016 |
| A-1001 | A | Proposed Ground Floor Plan (+12) | 2/8/2016 |
| A-1002 | A | Proposed Level 1 Plan (+30) | 2/8/2016 |
| A-1003 | A | Proposed Level 2 Plan (+42) | 2/8/2016 |
| A-1201 | A | Proposed Level 1 RCP (+30) | 2/8/2016 |
| A-2001 | A | Wall Elevations 01 | 2/8/2016 |
| A-2002 | A | Wall Elevations 02 | 2/8/2016 |
| A-2003 | A | Wall Elevations 03 | 2/8/2016 |
| A-6001 | A | Utzon Escalator Detail Plans | 2/8/2016 |
| A-6002 | A | Utzon Escalator Detail Sections | 2/8/2016 |
| A-6003 | A | Lift 36 Plans GR +21 and L1 +30 | 2/8/2016 |
| A-6004 | A | Lift 36 Plans L2 (+42) and Roof (+51) | 2/8/2016 |
| A-9001 | A | Finishes + Product Information | 2/8/2016 |

| Temporary Box Office Facilities | | | |
|--|-----------------|---------------------|-------------|
| Drawing prepared by Event Tops | | | |
| Sheet No. | Revision | Name of Plan | Date |
| V1 | - | Vehicle Concourse | - |

- A2. If there is any inconsistency between the documents in Condition A1, the most recent document shall prevail to the extent of the inconsistency. However, conditions of this consent prevail to the extent of any inconsistency.
- A3. The Applicant must comply with any reasonable requirements of the Secretary arising from the Department's assessment of:
- any strategies, plans, programs, reviews, audits, reports or correspondence that are submitted in accordance with this consent; and
 - the implementation of any actions or measures contained in these documents.

Limits on Consent

- A4. This consent will lapse five years from the date of consent unless the works associated with the development have physically commenced.
- A5. This consent in no way implies approval for the provision of two new slot windows along the eastern façade of the Sydney Opera House Building to provide natural light and amenity for the office accommodation.
- A6. The use of the LED screen in the Upton Bar and Lounge for advertising at any time is prohibited.
- A7. This consent includes the provision of temporary box office and cloakroom facilities to be located on the vehicle concourse and used for the duration of the construction works.

Interpretation Strategy

- A8. Within six months from the date of consent, the Applicant shall submit to the Department, an Interpretation Strategy for the interpretation of the original 'Curtain of the Sun' tapestry by John Coburn. The Interpretations Strategy shall be informed by the Conservation Management Plan for the Sydney Opera House, shall be prepared in

consultation with the Nominated Heritage Architect (Condition B3), and shall include, but not be limited to, the following:

- a) the type of interpretation that will occur;
- b) the location of the interpretative piece;
- c) the estimated construction/installation date; and
- d) schedule of works.

National Construction Code Compliance

A9. The proposed works shall comply with the applicable performance requirements of the National Construction Code so as to achieve and maintain acceptable standards of structural sufficiency, safety (including fire safety), health and amenity for the ongoing benefit of the community. Compliance with the performance requirements can only be achieved by:

- a) complying with the deemed to satisfy provisions; or
- b) formulating an alternative solution which:
 - i) complies with the performance requirements; or
 - ii) is shown to be at least equivalent to the deemed to satisfy provision; or
 - iii) a combination of a) and b).

Development Expenses

A10. It is the responsibility of the Applicant to meet all expenses incurred in undertaking the development, including expenses incurred in complying with conditions imposed under this consent.

Developer Contributions

A11. In accordance with Section 61 of the *City of Sydney Act 1988*, the Applicant must pay developer contributions in accordance with *Central Sydney Development Contributions Plan 2013*. The contributions are to be paid by the Applicant prior to the certification of Crown Building Works in Part B of this consent (unless the Applicant is granted with an exemption from the Section 61 contributions levy by Council).

Prescribed Conditions

A12. The Applicant shall comply with all relevant prescribed conditions of development consent under Part 6, Division 8A of the Regulation.

Legal Notices

A13. Any advice or notice to the consent authority shall be served on the Secretary.

END OF PART A

PART B PRIOR TO COMMENCEMENT OF WORKS

Certification of Crown Building Works

- B1. Plans certified in accordance with section 109R of the EP&A Act are to be submitted to the Certifying Authority and the Department prior to commencement of each stage of construction works and shall include details as required by any of the following conditions.

Demolition Works

- B2. All demolition work shall comply with the provisions of *Australian Standard AS2601: 2001 The Demolition of Structures*. The work plans required by AS2601: 2001 shall be accompanied by a written statement from a suitably qualified person that the proposals contained in the work plan comply with the safety requirements of the Standard. The work plans and the statement of compliance shall be submitted to the satisfaction of the Certifying Authority prior to the commencement of works.

Nominated Heritage Consultant

- B3. Prior to the certification of Crown Building Works, a suitably qualified and experienced heritage consultant must be engaged to:
- a) Inspect the demolition and removal of material to ensure there is no unapproved removal of significant fabric or elements; and
 - b) Provide ongoing advice to tradespeople undertaking the works throughout the construction period.
- B4. Evidence and details of the engagement of a nominated heritage consultant in accordance with Condition B3 shall be submitted to the Department and Council, prior to the certification of Crown Building Works.
- B5. The nominated heritage consultant is to provide ongoing advice to trades people undertaking the works, as required, throughout the construction period.

Notice of Commencement of Works

- B6. The Certifying Authority and Council shall be given written notice, at least 48 hours prior to the commencement of building work on the Subject Site.

Contamination

- B7. Prior to the commencement of any works (including demolition), a hazardous material survey shall be undertaken.
- B8. Prior to the commencement of any works (including demolition), the Applicant shall prepare and implement appropriate project specific procedures for identifying and dealing with unexpected finds of site contamination (including asbestos and lead-based paint materials). This shall include any notification requirements to SafeWork NSW concerning the handling and removal of any asbestos.
- B9. Prior to the commencement of any work, the Applicant is required to satisfy the requirements of the *Protection of the Environment Operations (Waste) Regulation 2014* with particular reference to Part 7 'asbestos wastes'.

Archival Recording

- B10. Prior to the certification of Crown Building Works, a photographic archival record of all areas undergoing works must be prepared in accordance with the document *How to Prepare Archival Records* by the Heritage Council of NSW, and submitted to the Heritage Council and the Department.

Ecologically Sustainable Development

B11. Prior to the certification of Crown Building Works, the Applicant shall incorporate all design, operation and construction measures identified in the ESD Statement prepared by Cundall Australia dated 23 June 2016.

Construction Environmental Management Plan

B12. Prior to the certification of Crown Building Works, a **Construction Environmental Management Plan (CEMP)** shall be submitted to the Certifying Authority. The CEMP shall address, but not be limited to, the following matters, where relevant:

- a) hours of work;
- b) 24 hour contact details of site manager;
- c) the preparation of a **Construction Noise and Vibration Management Plan (CNVMP)**, prepared by a suitably qualified person, which addresses the relevant provisions of Australian Standard 2436 – 2010 Guide to Noise Control on Construction, Maintenance and Demolition Sites, and the Interim Construction Noise Guideline (Department of Environment and Climate Change, 2009);
- d) the preparation of a **Construction Air Quality Management Plan (CAQMP)**, prepared by a suitable qualified person, which includes the monitoring and management of air quality and dust (including dust emissions on the site and dust emissions from the site) to protect the amenity of the neighbourhood; and
- e) erosion and sediment control to ensure that sediment and other materials are not tracked onto the roadway by vehicles leaving the Subject Site.

Note: The CEMP must not include works that have not been explicitly approved in the development consent. In the event of any inconsistency between the consent and the CEMP, the consent shall prevail.

Construction Traffic and Pedestrian Management Plan

B13. Prior to the certification of Crown Building Works, a **Construction Pedestrian and Traffic Management Plan (CPTMP)** prepared by a suitably qualified person shall be submitted to the Certifying Authority. The CPTMP shall address, but not be limited to, the following matters:

- a) Location of the proposed work zone;
- b) Haulage routes;
- c) Construction vehicle access arrangements;
- d) Hours of work;
- e) Estimated number of construction vehicle movements;
- f) Construction program;
- g) Consultation strategy for liaison with surrounding stakeholders;
- h) Any potential impacts to general traffic, cyclists, pedestrians and bus services within the vicinity of the site from construction vehicles during the construction of the proposed works;
- i) Cumulative construction impacts of projects including Sydney Light Rail Project. Existing CPTMPs for developments within or around the development site should be referenced in the CPTMP to ensure that coordination of work activities are managed to minimise impacts on the CBD road network; and
- j) Should any impacts be identified, the duration of the impacts and measures proposed to mitigate any associated general traffic, public transport, public transport, pedestrian and cyclist impacts should be clearly identified and included in the CPTMP.

B14. The CPTMP shall be prepared in consultation with the CBD Coordination Office, and a copy of the final CPTMP plan shall be submitted to Coordinator General, CBD Coordination Office, prior to the commencement of any works.

National Construction Code

B15. Prior to the certification of Crown Building Works, details shall be provided to the satisfaction of the Certifying Authority which demonstrate that the proposal complies with the prescribed conditions of approval under clause 98 of the EP&A Regulation in relation to the requirements of the NCC.

B16. Any non-deemed to satisfy compliance issues are to be included as alternative solutions in the final design to the satisfaction of the Certifying Authority, prior to the certification of Crown Building Works. A copy shall be provided to the Secretary.

Structural Details

B17. Prior to the certification of Crown Building Works, the Applicant shall submit to the satisfaction of the Certifying Authority structural drawings prepared and signed by a suitably qualified practising Structural Engineer that demonstrates compliance with:

- a) the relevant clauses of the NCC; and
- b) the development consent.

Waste Management Plan

B18. Prior to the certification of Crown Building Works, a **Waste Management Plan (WMP)** shall be prepared and submitted to the Certifying Authority. The WMP shall:

- a) demonstrate that an appropriate area will be provided within the premises for the storage of garbage bins and recycling containers and all waste and recyclable material generated by the works;
- b) provide details demonstrating compliance with the relevant legislation, the SOH Asbestos Risk Management Plan and the SOH Hazardous Materials Action Plan, particularly with regard to the removal of asbestos and hazardous waste, the method of containment and control of emission of fibres to the air;
- c) require that all waste generated during the project is assessed, classified and managed in accordance with the EPA's "Waste Classification Guidelines Part 1: Classifying Waste";
- d) require that the body of any vehicle or trailer used to transport waste or excavation spoil from the Subject Site, is covered before leaving the Subject Site to prevent any spill, or escape of any dust, waste, or spoil from the vehicle or trailer; and
- e) require that mud, splatter, dust and other material likely to fall from or be cast off the wheels, underside or body of any vehicle, trailer or motorised plant leaving the Subject Site, is removed before the vehicle, trailer or motorised plant leaves the Subject Site.
- f) require that concrete waste and rinse water are not disposed on the site and are prevented from entering Sydney Harbour.

END OF PART B

PART C DURING CONSTRUCTION

Hours of Work

- C1. The hours of construction, including the delivery of materials to and from the Subject Site, shall be restricted as follows:
- a) between 7:00 am and 6:00 pm, Mondays to Fridays inclusive;
 - b) between 8:00 am and 1:00 pm, Saturdays;
 - c) no work on Sundays and public holidays.
 - d) works may be undertaken outside these hours where:
 - i) the works are internal and undertaken within the wholly enclosed building; or
 - ii) the delivery and removal of vehicles, plant or materials is via the underground loading dock within the Subject Site (in which case it may be undertaken on a 24 hours a day, 7 days a week basis during the construction of the development); or
 - iii) the delivery and removal of vehicles, plant or materials (not via the underground loading dock under Condition C1(d)(ii)) is required outside these hours by the Police or other public authorities, or it is determined that it would be hazardous to the general public (i.e. tourists, patrons or events in the forecourt/boardwalks), provided it is undertaken outside scheduled performance times at the Sydney Opera House (including not within 30 minutes before or after scheduled performances); or
 - iv) it is required in an emergency to avoid the loss of life, damage to property and/or to prevent environmental harm; or
 - v) a variation is approved in advance in writing by the Secretary or her nominee.

Noise and Vibration Management

- C2. The development shall be constructed with the aim of achieving the construction noise management levels detailed in the *Interim Construction Noise Guideline*. All feasible and reasonable noise mitigation measures shall be implemented and any activities that could exceed the construction noise management levels shall be identified and managed in accordance with the CNVMP, approved as part of the CEMP.
- C3. Any noise generated during the construction of the development must not be offensive noise within the meaning of the *Protection of the Environment Operations Act, 1997* or exceed approved noise limits for the Subject Site.
- C4. Heavy vehicles and oversized vehicles must not que or idle on Macquarie Street awaiting access to the Subject Site.
- C5. The Applicant must schedule intra-day 'respite periods' for construction activities predicted to result in noise levels in excess of the "highly noise affected" levels, including the addition of 5dB to the predicted levels for those activities identified in the Interim Construction Noise Guideline as being particularly annoying to noise sensitive receivers.
- C6. Vibration caused by construction at any residence or structure outside the subject site must be limited to:
- a) for structural damage vibration to buildings (excluding heritage buildings), *British Standard BS 7385 Part 2-1993 Evaluation and Measurement for Vibration in Buildings*;
 - b) for structural damage vibration to heritage buildings, *German Standard DIN 4150 Part 3 Structural Vibration in Buildings Effects on Structure*; and

- c) for human exposure to vibration, the evaluation criteria presented in *British Standard BS 6472- Guide to Evaluate Human Exposure to Vibration in Buildings* (1Hz to 80 Hz) for low probability of adverse comment.

Site Protection and Works

- C7. All significant building fabric and building elements are to be protected during the works from potential damage. Protection systems must ensure historic fabric is not damaged or removed.
- C8. The installation of new services shall be carried out in such a manner as to minimise damage to, or removal of, significant fabric.

Salvage of Significant Building Fabric

- C9. The steps and associated handrails required to be removed for the escalator installation are to be carefully removed, catalogued, safely stored and able to be readily reinstated.
- C10. Any significant internal building fabric and elements approved to be removed are to be carefully removed, catalogued, safely stored and able to be readily reinstated, including the white birch 'wobbly' panels and door hardware.

Waste Classification

- C11. The Applicant must ensure that all waste generated by the development is classified in accordance with the EPA's *Waste Classification Guidelines 2009* and disposed of at a facility that may lawfully accept that waste.

Asbestos and Hazardous Waste Removal

- C12. Hazardous and/or industrial waste arising from the demolition activities must be removed and/or transported in accordance with the requirements of the NSW Work Cover Authority.

Acoustic Design

- C13. The proposed alterations must not affect the existing acoustic integrity of the building in relation to the control of noise emissions from the premises.
- C14. No additional equipment may be installed or changes made to the acoustic design unless certified by a suitably qualified acoustic consultant that the equipment will not increase noise emissions from building.

Approved Plans to be On-Site

- C15. A copy of the approved and certified plans, specifications and documents incorporating conditions of approval and certification shall be kept on the Subject Site at all times and shall be readily available for perusal by any officer of the Department, Council or the Certifying Authority.

Site Notice

- C16. A site notice(s) shall be prominently displayed at the boundaries of the Subject Site for the purposes of informing the public of project details including, but not limited to the details of the Builder, Certifying Authority and Structural Engineer. The notice(s) is to satisfy all, but not be limited to, the following requirements:
- a) minimum dimensions of the notice(s) are to measure 841 mm x 594 mm (A1) with any text on the notice to be a minimum of 30 point type size;
 - b) the notice(s) is to be durable and weatherproof and is to be displayed throughout the construction works period;

- c) the approved hours of work, the name of the site/project manager, the responsible managing company (if any), its address, and 24 hour contact phone number for any inquiries, including construction/noise complaints are to be displayed on the site notice; and
- d) the notice(s) is to be mounted at eye level in the vicinity of the Sydney Opera House building/on any perimeter hoarding/fencing, and is to state that unauthorised entry to the Subject Site is not permitted.

Work Cover Requirements

C17. To protect the safety of work personnel and the public, the work site shall be adequately secured to prevent access by unauthorised personnel, and work shall be conducted at all times in accordance with relevant Work Cover requirements.

Hoarding/Fencing Requirements

C18. The following hoarding requirements shall be complied with:

- a) no third party advertising is permitted to be displayed on the subject hoarding/fencing; and
- b) the construction site manager shall be responsible for the removal of all graffiti from any construction hoarding/fencing or the like within the construction area within 48 hours of its application.

Groundwater

C19. The Applicant is required to ensure untreated groundwater is not discharged to Sydney Harbour as a result of any excavation for the project, including any excavation into the bedrock associated with the new lift cores (Lift 31 or Lift 36).

END OF PART C

PART D PRIOR TO OCCUPATION OR COMMENCEMENT OF USE

Road Damage

- D1. The cost of repairing any damage caused to Council's assets in the vicinity of the Subject Site as a result of construction works associated with the approved development is to be met in full by the Applicant prior to the occupation of the building.

Fire Safety Certification

- D2. Prior to the use of the Joan Sutherland Theatre, new office accommodation area or entry foyer area, a Fire Safety Certificate shall be obtained for all the Essential Fire or Other Safety Measures forming part of this consent. A copy of the Fire Safety Certificate must be submitted to the relevant authority and be prominently displayed in the building.

Structural Inspection Certificate

- D3. A Structural Inspection Certificate must be submitted to the satisfaction of the Certifying Authority prior to the use of the Joan Sutherland Theatre, new office accommodation area or entry foyer area. A copy of the Certificate with an electronic set of final drawings (contact approval authority for specific electronic format) shall be submitted to the approval authority after:
- a) 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
 - b) the drawings listed on the Inspection Certificate have been checked with those listed on the final Design Certificate/s.

END OF PART D

PART E POST OCCUPATION

Ecologically Sustainable Development

- E1. The operation of the building shall implement the ESD principles and design measures outlined within the EIS.

Annual Fire Safety Certificate

- E2. An annual Fire Safety Statement must be given to Council and the Fire & Rescue NSW commencing within 12 months after the date on which the initial Interim/Final Fire Safety Certificate is issued. This must ensure that the essential services installed in the building for the purpose of fire safety have been inspected and at the time of inspection are capable of operating to the required minimum standard.

Noise Control – Plant and Machinery

- E3. Noise associated with the operation of any plant, machinery or other equipment on the site, shall not give rise to any one or more of the following:
- a) transmission of “offensive noise” as defined in the *Protection of the Environment Operations Act 1997* to any place of different occupancy;
 - b) a sound pressure level at any affected residential property that exceeds the background (LA90, 15 minute) noise level by more than 5dB(A). The background noise level must be measured in the absence of noise emitted from the premises. The source noise level must be assessed as a LAeq, 15 minute; and
 - c) notwithstanding compliance with (1) and (2) above, the noise from mechanical plant associated with the premises must not exceed 5dB(A) above the background noise level between the hours of 12.00 midnight and 7.00 am.

END OF PART E

ADVISORY NOTES

Appeals

AN1. The Applicant has the right to appeal to the Land and Environment Court in the manner set out in the EP&A Act and the EP&A Regulation (as amended).

Other Approvals and Permits

AN2. The Applicant shall apply to NSW Heritage for any approvals under the *Heritage Act 1977* (if required), and the Council for all necessary permits including crane permits, road opening permits, hoarding or scaffolding permits, footpath occupation permits and/or any other approvals under section 68 (Approvals) of the *Local Government Act 1993* or section 138 of the *Roads Act 1993*.

Requirements for Section 60 Approval under Heritage Act 1977

AN3. Prior to the commencement of any works, an application under section 60 of the *Heritage Act 1977* must be submitted to and approved by the Heritage Council of NSW or its delegate.

AN4. As part of the Section 60 application under the *Heritage Act 1977*, the Applicant is to further resolve the design of the following:

- a) The proposed new accessible passageway on Level 3 of the JST, such as how the edges of the cut stairs will be finished;
- b) Details of interpretive elements, signage, LED screen, handrails, and finishes to the escalators; and
- c) Details of the new lifts at each level of the building relative to heritage fabric.

A copy of the Heritage Council's approval and additional information required above must be submitted to the Secretary and Council for information.

Responsibility for other consents / agreements

AN5. The Applicant is solely responsible for ensuring that all additional consents and agreements are obtained from other authorities, as relevant.

Temporary Structures

AN6.

- a) An approval under *State Environmental Planning Policy (Miscellaneous Consent Provisions) 2007* must be obtained from the Authority for the erection of the temporary structures. The application must be supported by a report detailing compliance with the provisions of the National Construction Code.
- b) Structural certification from an appropriately qualified practicing structural engineer must be submitted to the Authority with the application under *State Environmental Planning Policy (Miscellaneous Consent Provisions) 2007* to certify the structural adequacy of the design of the temporary structures.

Disability Discrimination Act

AN7. This application has been assessed in accordance with the EP&A Act. No guarantee is given that the proposal complies with the *Disability Discrimination Act 1992*. The Applicant/owner is responsible to ensure compliance with this and other anti-discrimination legislation. The *Disability Discrimination Act 1992* covers disabilities not catered for in the minimum standards called up in the BCA which references AS 1428.1 - *Design for Access and Mobility*. AS1428 Parts 2, 3 & 4 provides the most comprehensive technical guidance under the *Disability Discrimination Act 1992* currently available in Australia.

Commonwealth Environment Protection and Biodiversity Conservation Act 1999

AN8. On 7 January 2017, the Commonwealth Department of Environment and Energy determined that the proposed works are a controlled action. Consequently, approval of the works under the *Commonwealth Environment Protection and Biodiversity Conservation Act 1999* is required.

- a) The *Commonwealth Environment Protection and Biodiversity Conservation Act 1999* (Commonwealth Act) provides that a person must not take an action which has, will have, or is likely to have a significant impact on a matter of national environmental significance (NES) matter; or Commonwealth land, without an approval from the Commonwealth Environment Minister.
- b) This application has been assessed in accordance with the New South Wales EP&A Act. The determination of this assessment has not involved any assessment of the application of the Commonwealth legislation. It is the Applicant's responsibility to obtain approval from the Department of Environment and Energy (or its successor) and you should not construe this grant of approval as notification to you that the Commonwealth Act does not have application. The Commonwealth Act has application in this case and you should obtain advice about this matter. There are severe penalties for non-compliance with the Commonwealth legislation.

Asbestos Removal

AN9. All excavation works involving the removal and disposal of asbestos must only be undertaken by contractors who hold a current WorkCover Asbestos or "Demolition Licence" and a current WorkCover "Class 2 (Restricted) Asbestos Licence and removal must be carried out in accordance with NOHSC: "Code of Practice for the Safe Removal of Asbestos".

Site contamination issues during construction

AN10. Should any new information come to light during demolition or construction works which has the potential to alter previous conclusions about site contamination then the Applicant must be immediately notified and works must cease. Works must not recommence on site until the consultation is made with the Department.

END OF ADVISORY NOTES

Modification of Development Consent

Section 4.55(1A) of the *Environmental Planning and Assessment Act 1979*

As delegate of the Minister for Planning under delegation dated 11 October 2017, I approve the modification application referred to in Schedule 1, subject to the conditions in Schedule 2.



David McNamara
Director
Key Sites Assessments

Date: 26 NOVEMBER 2018 Sydney

SCHEDULE 1

Development Approval: SSD 7665 granted by the Minister for Planning on 24 May 2017

For the following: Safety, accessibility and venue enhancement works to the Joan Sutherland Theatre, new office accommodation, and entry foyer refurbishment works at the Sydney Opera House.

Applicant: The Sydney Opera House Trust

Consent Authority: Minister for Planning

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

Modification: SSD 7665 (MOD 1): structural integrity works to the southern forecourt and covered concourse to allow for installation of an approved escalator

SCHEDULE 2

The above approval is modified as follows:

1. Part A – Administrative Conditions – Condition A1 is amended by the deletion of ~~struck out~~ words and the insertion of **bold and underlined** words as follows:

The Applicant, in acting on this consent, must carry out the development:

- a) generally in accordance with the Environmental Impact Statement entitled ‘Sydney Opera House Building Renewal Safety, Accessibility and Venue Enhancement Works and Entry Foyer Refurbishment’, and accompanying appendices, prepared by Keylan Consulting Pty Ltd, dated September 2016;
- b) generally in accordance with the Response to Submissions entitled ‘Sydney Opera House Building Renewal Program Safety, Accessibility, and Venue Enhancement Works and Entry Foyer Refurbishment (SSD 7665)’, and accompanying appendices, prepared by Keylan Consulting Pty Ltd, dated 3 February 2017;
- c) **generally in accordance with Sydney Opera Housing Building Renewal Statement of Environmental Effects Section 4.55(1A) Modification 1 SSD 7665 and accompanying appendices, prepared by Keylan Consulting Pty Ltd, dated August 2018;**
- d) **generally in accordance with Response to Submissions – Modification for Sydney Opera House, Joan Sutherland Theatre Accessibility and Additional Works (SSD 7665 MOD1) and accompanying appendices, prepared by Keylan Consulting Pty Ltd, dated 25 October 2018;**
- e) in compliance with the conditions of this consent; and
- f) the following drawings:

| Entry Foyer Refurbishment Works | | | |
|--|-----------------|---------------------------------------|-------------------|
| Architectural (or Design) Drawings prepared by Tonkin Zulaikha Greer Architects | | | |
| Sheet No. | Revision | Name of Plan | Date |
| A-0000 | A | Cover Page | 2/8/2016 |
| A-0001 | A | Location Plan (+30) | 2/8/2016 |
| A-0101 | A | Demolition Level 1 Plan (+30) | 2/8/2016 |
| A-1001 | A | Proposed Ground Floor Plan (+12) | 2/8/2016 |
| A-1002 | A | Proposed Level 1 Plan (+30) | 2/8/2016 |
| A-1003 | A | Proposed Level 2 Plan (+42) | 2/8/2016 |
| A-1201 | A | Proposed Level 1 RCP (+30) | 2/8/2016 |
| A-2001 | A | Wall Elevations 01 | 2/8/2016 |
| A-2002 | A | Wall Elevations 02 | 2/8/2016 |
| A-2003 | A | Wall Elevations 03 | 2/8/2016 |
| A-6001 | A | Utzon Escalator Detail Plans | 2/8/2016 |
| A-6002 | A | Utzon Escalator Detail Sections | 2/8/2016 |
| A-6003 | A | Lift 36 Plans GR +21 and L1 +30 | 2/8/2016 |
| A-6004 | A | Lift 36 Plans L2 (+42) and Roof (+51) | 2/8/2016 |
| A-9001 | A | Finishes + Product Information | 2/8/2016 |
| A002 | 1 | Site Location Plan | 18/12/2017 |

| | | | |
|-------------|-----------|---|------------------|
| <u>A100</u> | <u>3</u> | <u>General Arrangement Plans</u> | <u>27/6/2018</u> |
| <u>A200</u> | <u>4</u> | <u>N-S Sections</u> | <u>17/8/2018</u> |
| <u>A450</u> | <u>4</u> | <u>Escalator Plans and N-S Section</u> | <u>17/8/2018</u> |
| <u>A451</u> | <u>4</u> | <u>Escalator Details and E-W Sections</u> | <u>17/8/2018</u> |
| <u>S000</u> | <u>02</u> | <u>Structural Cover Sheet and Drawing List</u> | <u>2/5/2018</u> |
| <u>S001</u> | <u>02</u> | <u>Structural General Notes – Sheet 1</u> | <u>2/5/2018</u> |
| <u>S002</u> | <u>02</u> | <u>Structural General Notes – Sheet 2</u> | <u>2/5/2018</u> |
| <u>S010</u> | <u>04</u> | <u>Structural Utzon Escalator Details – Sheet 1</u> | <u>20/6/2018</u> |
| <u>S011</u> | <u>04</u> | <u>Structural Utzon Escalator Details – Sheet 2</u> | <u>20/6/2018</u> |
| <u>S015</u> | <u>05</u> | <u>Structural Thrust Block Details – Sheet 1</u> | <u>10/8/2018</u> |
| <u>S016</u> | <u>03</u> | <u>Structural Thrust Block Details – Sheet 2</u> | <u>10/8/2018</u> |
| <u>S017</u> | <u>01</u> | <u>Structural Thrust Block Details – Sheet 3</u> | <u>10/8/2018</u> |

2. Part B – Prior to commencement of works – Condition B10 is amended by the deletion of ~~struck out~~ words/numbers and the insertion of **bold and underlined** words/numbers as follows:

B10 Prior to the certification of Crown Building Works, a photographic archival record of all areas undergoing works must be prepared in accordance with the document *How to Prepare Archival Records* by the Heritage Council of NSW, and submitted to the Heritage Council and the Department.

With respect to the works the subject of Modification 1, this must be prepared in accordance with the document *Photographic Recording of Heritage Items using Film or Digital Capture* by the Heritage Council of NSW.

3. Part B – Prior to commencement of works – Condition B19 is added by the insertion of **bold and underlined** words/numbers as follows:

B19 Prior to the certification of Crown Building Works, a suitably qualified and experienced archaeologist who meets the Heritage Council Excavation Director Criteria for archaeological salvage of State significant sites must be engaged to oversee all works the subject of Modification 1.

4. Part C – During Construction – Condition C20 is added by the insertion of **bold and underlined** words/numbers as follows:

C20 An archival photographic recording of all the affected areas the subject of Modification 1 is to be undertaken during the cutting of the tie beams to document the changes occurring to the structure, in accordance with the Heritage Division document entitled, *Photographic Recording of Heritage Items using Film or Digital Capture*.

5. Part D – Prior to Occupation or Commence of Use – Condition D4 is added by the insertion of **bold and underlined** words/numbers as follows:

D4 An archival photographic recording of all the affected areas the subject of Modification 1 is to be undertaken after the cutting of the tie beams to document the changes occurring to the structure, in accordance with the Heritage Division document entitled, *Photographic Recording of Heritage Items using Film or Digital Capture*. The original copy of the archival record must be submitted to the Heritage Council of NSW within one month of completion of works.

6. Part E – Post Occupation – Condition E4 is added by the insertion of **bold and underlined** words/numbers as follows:

E4 A structural assessment must be submitted to the satisfaction of the Certifying Authority within 12 months following completion of the works the subject of Modification 1 to ensure any impacts to the structural integrity of the significant folded concrete beams are identified and appropriately addressed. This must be undertaken by a suitably qualified practising Structural Engineer, and a copy shall be submitted to the Heritage Council of NSW one month after its completion.

End of Modifications to SSD 7665 MOD 1

Appendix 3 - Letter of Notification to DEE



25 September 2018

Mr. Hagen Ganahl
Assistant Director
Post Approval Section
Compliance & Enforcement branch Environment Standards Division

Dear Mr Ganahl,

With reference to our EPBC Consent for the Sydney Opera House Building Renewal Program – Safety, Accessibility and Venue Enhancements (EPBC 2016/7825) and Sydney Opera House notification regarding the intention to commence the Lift 36 element of the approval.

Sydney Opera House confirms that work commenced on the Lift 36 project on 19 September 2018, pursuant to condition 7 of EPC 2016.7825.

Please let me know if you have any questions, or would like any further information.

Yours sincerely,

Ian Cashen
Director, Building, Safety and Security
Sydney Opera House

Appendix 4 - Heritage Interpretation Strategy Implementation Report

Renewal Interpretation Strategy – action plan update (August 2020)

| Strategy | Task | Actions/projects | Timeframe | Status at August 2020 | |
|---|------|--|---|--|--|
| 1.0 Precinct Information and Display | | | | | |
| Integrate Renewal interpretation content into existing front of house and visitor spaces. | 1.1 | Welcome Centre refresh short-term | Review and scope options to update Welcome Centre interpretation to reflect the current and next stages of the Opera House's Renewal. For example, create new video content for the Welcome Centre north wall relating to the evolution of the building and key Renewal works. | Oct-19 | This action is complete. This action was undertaken as part of the projects under the <i>Protecting National Historic Sites</i> Commonwealth grant awarded to Sydney Opera House in 2018. Curator Sam Doust of Latchkey Services was commissioned to develop the digital content with a working group from Sydney Opera House (SOH), including consultation with the Conservation Council. The new digital content was installed on 31 October 2019. |
| | 1.2 | Welcome Centre refresh long-term | Review and scope options to update Welcome Centre interpretation to reflect the current and next stages of Opera House Renewal. For example, review and redesign Welcome Centre north and south walls to reflect the Opera House's evolution from construction to the end of Stage 1 Renewal. | 2021-22 | This action has been replaced with Action 1.1 - the short term refresh of the north wall of the Welcome Centre. Action 1.1., a digital content refresh of the north wall of the Welcome Centre, was originally submitted for funding as part of the grant application in 2018. However, in January 2019, SOH sought a variation to undertake a longer-term refresh of the interpretive content of the north wall of the Welcome Centre to match the south wall glass interpretive panels and digital screens. The longer-term refresh of the north wall interpretive content is Action 1.1 of the RIS. This action is unable to be taken at this time due to other SOH project design and construction priorities and an increase in project costs, due to the identification of more steel in the existing wall than previously known. |
| | 1.3 | Box Office lounge content | Showcase digital content and interpretation relating to the design, history and evolution of the Opera House in the Box Office Lounge. | May 2017- October 2018 (or until refurbishment) | Free and publically accessible interpretive content of the SOH including the history of the site, building and performing arts continues to play on the existing Box Office Lounge digital screen. A free and publically accessible photographic exhibition on the Coburn tapestries in the Bennelong Passage has been in place since late April 2019. SOH is scoping new content for an exhibition in this location on the evolution of the Concert Hall, focusing on the significance of the design of the venue, the history of performing arts and the Renewal project. It is anticipated the refreshed exhibition will open in late 2020 in line with the opening of the Tours Immersive Digital Experience (see Action 2.6). Free and publically available range of interpretive content has been displayed in the Box Office Lounge since 2017, including an exhibition of the Joan Sutherland Theatre Renewal project (2018), an exhibition on the <i>Sydney Opera House Presents</i> VIVID Live performing arts program on it's 10th anniversary (2018), the <i>Tubowgale</i> exhibition on the Aboriginal heritage of Bennelong Point in association with the Australian Museum (2018), an exhibition on the Opera House's sustainability program (2018) and an exhibition on the Opera House's John Coburn tapestries (April 2019- current). In 2019, Conservation Council and the Design Advisory Panel recommended SOH develop Exhibition Guidelines which is underway. The Exhibition Guidelines will inform future interpretive content for the Box Office and Bennelong Passage along with design and layout of future exhibits and the use of the Box Office digital screen. |
| | 1.4 | Renewal storytelling on digital screens at key visitor transition and gathering points | Showcase conservation and renewal content and storytelling at key visitor transition and gathering points on existing digital promotional screens. | July 2017 to June 2022, in line with key construction timeframes | Heritage is working with SOH Marketing team on the development of conservation and Renewal content and storytelling on existing digital promotional screens. Digital screens are being considered for interpretive content as part of an Exhibitions Guideline (refer to Action 1.3). |
| | 1.5 | Renewal hoardings | Use hoardings on site to communicate conservation and Building Renewal information and key messages and facilitate visitor navigation during construction. | July 2017 to June 2022, in line with key construction timeframes | Hoardings have been used for Renewal projects to communicate key messages and provide a place for interpretation. They have been developed by the SOH Engagement team in consultation with Heritage and other SOH stakeholders. Hoardings which have been installed within the reporting period include: <ul style="list-style-type: none"> > A hoarding on the southern end of the Western Broadwalk which displays a timeline of the history and evolution of the site. > A hoarding adjacent to the Colonnade and to the Portside restaurant displays a reproduction of one of Utzon's original design drawings for the Sydney Opera House. > A hoarding located on the northern end of the Western Broadwalk is currently painted plain coconut husk. Content is being scoped relating to the future use of this area for children and creative play. > A hoarding adjacent to Bennelong restaurant displays an artwork by Australian Yuwaalaraay designer Lucy Simpson entitled 'Ngaarr' meaning 'hard' or 'strong'. It represents a story of presence and strength. Derived from the patterning of the inner bark of a galabaa (eucalypt tree), the design highlights a conversation about care of country. <ul style="list-style-type: none"> > A hoarding located on the podium level on the western elevation will remain coconut husk colour without any interpretive content to minimise visual impacts to this significant view of Opera House. > A hoarding on the Concert Hall Box Office level entry hoarding celebrates a history of performances in the venue through a list of performance highlights over the decades. > The Box Office level lift hoarding opposite the Utzon Room shares the former use of Bennelong Point as the site of Fort Macquarie and the Macquarie Tramcar House. The hoardings communicate the significance of the archaeological finds discovered as part of the construction of the lift. > The hoarding under the Covered Concourse displays interpretive content on the history of the Forecourt including performances, talks and a history of its design and construction. Hoardings were used for Renewal projects in the past (since removed as construction has been completed) include: <ul style="list-style-type: none"> > The Joan Sutherland Theatre lift and passageway hoardings had content on the performing arts at SOH and interpretive panels about Renewal and the lift project. > Yallamundi Rooms hoardings included a timeline of the Decade of Renewal, and > Interpretive content was included for the hoardings around a small site shed and work area in the Covered Concourse in late 2019 for the Concert Hall and Creative Learning Centre works. |

| Strategy | Task | Actions/projects | Timeframe | Status at August 2020 | |
|---|------|---|--|---|--|
| | 1.6 | Physical acknowledgement of Peter Hall on site | Provide a physical acknowledgement of Hall on site, recognising his role and contribution in shaping the design and heritage of the Opera House. | 2020 | <p>SOH commissioned Triggerdesign consultants to develop study options for the recognition of significant person(s), with a focus on the onsite recognition of Peter Hall in late 2019. The development of a holistic approach to study options was recommended by Conservation Council in late 2018. The project will include consultation with representatives of Hall's family and OpusSOH (an association established to research, document and promote the history of Stage 3 of the design and construction of SOH from 1966-73).</p> <p>The first of three workshops with the working group was undertaken on 4 December 2019 including Alan Croker (CMP4 author), Greg McTaggart (Conservation Council representative), Laura Matarese (SOH Heritage Manager), Kya Blondin (SOH Director People and Government), John Rourke (President, OpusSOH), Willy Hall (son of Peter Hall), Henry Hall (son of Peter Hall) and Antigone Hall (daughter of Peter Hall). Based on the outcomes of the first workshop and additional research and development, Triggerdesign developed a draft Study Options report in February 2020.</p> <p>A second workshop with the working group to discuss the outcomes of the report and study options was scheduled in March 2020, however was postponed due to COVID-19. SOH is scoping the potential to run the second workshop in a digital format.</p> |
| Identify opportunities for new temporary exhibitions to engage visitors with key moments, activities and events in the Renewal program. | 1.7 | Photographic exhibition – Western Broadwalk or other location | Install temporary photographic exhibitions on the Western Broadwalk or other temporary exhibition space on a minimum of two occasions, in conjunction with Renewal milestones and other key events. For example, World Monuments and Sites Day in April 2018 and ICOMOS General Assembly in November 2020. | 2018-22 | <p>Two temporary photographic exhibitions have been installed on the Western Broadwalk. In 2018, on the 10th anniversary of VIVID Sydney, Sydney Opera House Presents exhibited a retrospective of performing arts events for the VIVID festival at the Sydney Opera House. In addition on the 45th anniversary of the opening of the Opera House, the Utzon Centre curated the <i>Horizont</i> exhibition on Utzon's international travels and how they inspired his architectural designs.</p> <p>The SOH was planning on an exhibition on the Western Broadwalk as part of the ICOMOS General Assembly in October 2020, however the event has been postponed to 2023 due to the COVID-19 pandemic. Due to the closure of the building due to the Covid-19 pandemic, exhibitions on the Western Broadwalk have been postponed. In the meantime however, hoardings on the Western Broadwalk as part of the Renewal works include interpretive content, such as a timeline of the physical and cultural evolution at Bennelong Point that was installed in March 2020 and freely available to the public (Action 1.5).</p> <p>A number of temporary exhibitions have been held elsewhere at the Opera House including those listed in the Box Office in Action 1.3. A new exhibition is being scoped in Bennelong Passage on the history, design, performances and renewal of the Concert Hall as part of the opening of the Tours Immersive Digital Experience (Action 2.6) in late 2020.</p> |
| | 1.8 | Coburn tapestries exhibition and interpretation plan | Develop and implement exhibition and interpretation plan for the Coburn tapestries (Curtain of the Sun and Curtain of the Moon), including physical and digital exhibition and conservation. | Developed by 2017 Implement 2018-20 and ongoing | <p>Since September 2019, progress has been made on implementing the Coburn Tapestries Interpretation and Exhibition Strategy (2017).</p> <p>During the reporting period, the Opera House developed a program for a second onsite exhibition and hanging of the tapestries. The event was scheduled for May 2020 but postponed due to the COVID-19 pandemic and closure of venues. The exhibition was being planned for four SOH tapestries including John Coburn's <i>Curtain of the Sun</i> and <i>Curtain of the Moon</i> in the Joan Sutherland Theatre and Drama Theatre respectively, Jørn Utzon's <i>Homage to CPE Bach</i> in the Utzon Room and Le Corbusier's <i>Les Dés Sont Jetés</i> in the Western Foyer. Activities included a children's digital classroom, self guided and guide-led tours, foyer exhibits, talks and ideas panel in the Joan Sutherland Theatre in front of the tapestry, and progressing conservation works. The work undertaken in preparation for the exhibition and associated activities have been documented and will be able to be used at a later date.</p> <p>In addition to preparation for an onsite exhibition, conservation assessment and other works have been undertaken. A flammability and fire loading assessment of the tapestries in venue was completed by ARUP engineers in February 2020, and a new hanging mechanism was manufactured for improve future installation of the <i>Curtain of the Sun</i>.</p> <p>The onsite exhibition has been converted to a digital program, as part of <i>From Our House To Yours</i> SOH program. It will include podcasts on all four tapestries including two on the Coburn Tapestries, Google Cultural Institute exhibits, childrens activities, articles and playlists.</p> |
| | 1.9 | Visual art program integration | Consider and integrate conservation and renewal themes into Digital Visual Art Program development planning 2017-18, identifying long-term opportunities for creative interpretation and display on site. | 2020 | <p>SOH is developing a Contemporary Art Strategy and Program during 2020-2021. During the development of the Program, consultation will be undertaken with a range of stakeholders on potential themes and projects. Heritage will be consulted on including conservation and renewal themes and identifying long-term opportunities for creative interpretation and display on site. SOH has recently hired a Visual Art Curator to lead the development and implementation of the strategy. The purpose of the role is to program ongoing stand-alone contemporary art and integrated work included in Sydney Opera House Presents (SOHP) festival programs.</p> |

| Strategy | Task | Actions/projects | Timeframe | Status at August 2020 | |
|--|------|--|--|--------------------------|---|
| 2.0 Visitor Experiences | | | | | |
| Integrate Renewal themes and content into existing tours, retail and onsite engagement products and experiences. | 2.1 | Guided tour content - existing tour script/messaging | Content encompasses conservation and Renewal stories and information in line with evolving program of works: Renewal project messages and conservation stories included in tours scripts. | Ongoing 2019+ | In 2019, the regular SOH tour has been refreshed to reflect the interpretive themes of the Renewal Interpretation Strategy and new research that has come to light in the past five years on the site's Indigenous heritage, and on the role and significance of Peter Hall in the completion of the building. A revised tour script and tour video (narrated in five languages) was completed in August 2019 and implemented in September 2019. |
| | 2.2 | Guided tour content - new content | Content encompasses conservation and Renewal stories and information in line with evolving program of works: Incorporate conservation and renewal interpretation themes and messages into tours video content refreshes. | January 2018 and ongoing | <p>An Aboriginal history tour for Bennelong Point is under development. As part of Stage 1 of the project, historian Dr Paul Irish was commissioned to develop a preliminary history, including initial consultation with the local Aboriginal community, and a catalogue of resources. The draft report was delivered in October 2019 and consultation was undertaken with Nathan Moran (CEO Metropolitan Local Aboriginal Land Council, SOH Head of First Nations Programming Rhoda Roberts and Tanya Koeneman (Conservation Council member over October 2019- January 2020). SOH has scoped a project plan for Stage 2 of the project comprising community consultation and interviews. After consultation and further development of the history report, it is anticipated the information will be able to be used by SOH for interpretive initiatives including a new tour.</p> <p>SOH Tours, including regular and backstage tours, continue to incorporate new information based on the themes of Renewal and evolution of the site. Since the closure of the Concert Hall on 1 February 2020, tours included information on the Joan Sutherland Theatre and Concert Hall renewal works and their connection to conservation and the performing arts. With the altered tourism and operational environment brought about by COVID-19, guided tours are being developed to engage with a domestic market and engage with this audience. A free backstage digital tour covering Renewal has been developed and is hosted on the SOH website.</p> <p>A specialised conservation tour for heritage professionals participating in the ICOMOS General Assembly (GA), led by SOH heritage architect and CMP4 author Alan Croker, was under development but has been placed on hold on account of the cancellation of the GA in response to COVID-19. The GA was scheduled to be held from 1-10 October 2020 in Sydney. There is the opportunity to undertake this tour in the future as Sydney will host the GA in 2023.</p> |
| | 2.3 | Welcome Team messaging | Develop a suite of engaging stories and information, aligned to conservation and Renewal interpretation themes for the on-site Welcome Team to use in day-to-day visitor interactions. | 2018-19 | Information and messaging about the Decade of Renewal are provided by Welcome Team to any interested visitors when asked. Further development and updates will be provided as Renewal continues. |
| | 2.4 | Architectural 'Evolutions of the Opera House' experience | Develop and trial Architectural 'Evolutions of the Opera House' Experience, focusing on in-depth information on the history, heritage, conservation and influences on the Opera House*. * Subject to additional funding (refer Section 8 of RIS). | 2020-22 | <p>The development of a tour experience focused on the architecture and design of SOH is being scoped.</p> <p>A bespoke tour was under development for the delegates of the ICOMOS General Assembly in October 2020 with the support of Alan Croker however this has been postponed on account of the cancellation of the General Assembly (see Action 2.2).</p> <p>The Tours Immersive Digital Experience (TIDE) (see Action 2.6) is an addition to the regular tours during Concert Hall closure in 2020-21, and will include imagery of the history and evolution of SOH, the Renewal of the Concert Hall and ongoing conservation. TIDE is scheduled to be opened in late 2020.</p> |

| Strategy | Task | Actions/projects | Timeframe | Status at August 2020 | |
|---|------|--|--|-----------------------|---|
| | 2.5 | Renewal retail product | Create, produce and distribute a range of Opera House Renewal retail products to raise awareness and engagement of visitors during and post-visit. | 2019-21 | Merchandise inspired by John Coburn's Curtain of the Sun and Curtain of the Moon was launched for the May 2019 exhibition of the curtains and has proved popular. It includes tote bags, notebooks and magnets. New merchandise is being developed based on the Le Corbusier's Les Dés Sont Jetés, including notebooks, cards, coasters and magnets. All artwork has been designed with anticipated delivery in late 2020. This has been postponed due to the COVID-19 pandemic. The development of an Opera House Guidebook is being scoped. |
| Provide interactive and immersive interpretative material and experiences to visitors and audiences to explore on site. | 2.6 | Concert Hall closure tours immersive digital experience (TIDE) | Scope and develop a minimum of one immersive virtual Opera House experience on site during the Concert Hall renewal (e.g. 360° projection experience)*. <i>* Subject to additional funding (refer Section 8 of RIS).</i> | 2019-20 | Creative agency Artists in Motion was appointed through a select tender process to develop the content and design for the TIDE. Work has been undertaken to design the space and develop interpretive content, with a focus on the Concert Hall including history and evolution of design, and performances. A section 60 heritage approval under the Heritage Act 1977 was obtained in January 2020. Construction is complete and content is being finalised. TIDE is scheduled to open in late 2020. |
| | 2.7 | Self-guided interpretation experience | Commence scoping and develop proposal for site-specific storytelling app and/or self-guided tour experience that complement existing tours and provide meaningful interpretation of the evolution of the building, precinct and surrounding area*. <i>* Subject to additional funding (refer Section 8 of RIS).</i> | 2020 | The development of an official Opera House Guidebook is being scoped. The guidebook could include a self-guided format so visitors can engage with and learn more about the use, history and heritage of the site. |
| 3.0 Digital channels | | | | | |
| Provide informative and compelling Renewal content on Opera House digital channels. | 3.1 | Renewal storytelling on SOH website/digital channels | Maintain up-to-date, compelling and informative renewal and conservation content on SOH digital channels, including: | May 2017 and ongoing | The SOH has presented the following stories and information about Renewal and conservation on its digital channels in the reporting period: > 300 media stories placed across Australian and international outlets, with 95% positive sentiment about the Concert Hall Renewal works > Redesigned content hub and 'Renewing an Icon' interactive story created on the SOH website documents compelling and informative renewal stories of all of the Opera House's Renewal projects and the scope of works > Created a video about the upcoming Concert Hall Renewal works and how we are conserving and maintaining the building for future generations. > Developed an article on the Opera House's Backstage (website) which communicated how the works will benefit the community > Several posts were distributed on the Opera House's social media channels and email telling the story of the Concert Hall Renewal works and the history of the SSO who are the main user of the Hall. > Published on the content hub and to social media a progress gallery of works in the Concert Hall. |

| Strategy | Task | Actions/projects | Timeframe | Status at August 2020 |
|----------|-----------------------------------|--|----------------------|--|
| | | 3.1A Dedicated Renewal webpage encompassing information and interpretation of key projects, including conservation – past, present and future. | May 2017 and ongoing | The Renewal webpage has been redesigned to be a landing page for content relating to Renewal. The website hosts the 'Renewing an Icon' interactive storytelling page along with sharing stories about the work, scope of works and imagery presenting the upgrades. |
| | | 3.1B House History webpage, including biographical information on architects Jørn Utzon and Peter Hall and their conservation processes and practices. | 2019-20 | Content development and timing to be confirmed in line with broader website development priorities. |
| | | 3.1C Renewal timeline providing overview and information on projects. | May 2017 and ongoing | The Renewal timeline was incorporated into the 'Renewing an Icon' interactive storytelling page and into hoardings located under the steps and on the Western Broadwalk. |
| | | 3.1D Sharing of editorial content encompassing Renewal-related themes, stories and conservation works, including on social channels. | May 2017 and ongoing | Social media posts on SOH channels on the site entry and covered concourse projects. See Action 3.1. |
| | | 3.1E Integration of Renewal and conservation interpretation stories and messages into on-site digital communications and information. | 2018 and ongoing | See Action 3.1. |
| | 3.2 Digital classroom experiences | Assess feasibility and identify opportunities to integrate Renewal interpretation stories and content into Opera House Digital Classroom Experiences, including digital tours and workshops. | 2018 and ongoing | A digital classroom tour on the Opera House tapestries was developed and has been postponed in response to COVID-19. The content will be developed as online activities for children as part of the <i>From Our House to Yours</i> Tapestries digital program (see Action 1.8). Gunwanyí Walama is hosted as part of 'From our House to Yours'. The digital tour covers the history and culture of Bennelong Point in a digital tour designed especially for children. A four part series with Eddie Woo on the maths of the SOH, looking at the geometry of the building and the spherical solution, design, acoustics and use of the chevron pattern is scheduled to be filmed in August 2020. |

| Strategy | Task | Actions/projects | Timeframe | Status at August 2020 | |
|---|------|---|---|-----------------------|---|
| Increase collection and availability of online archival information relating to the Opera House, its history, heritage and evolution through Renewal. | 3.3 | Stage 1 Renewal photographic records | Capture photographic and film records of the Stage 1 Renewal works in line with the NSW Heritage Office Guidelines Photographic Recording of Heritage Items Using Film or Digital Capture (2006), for archival purposes and use in interpretation projects. | 2017-22 | <p>Archival photography and video has been undertaken for Renewal works, including the following in the reporting period:</p> <ul style="list-style-type: none"> > Site entry and Covered Concourse repaving works. > Lift 36 works. > TIDE location. Preliminary photos of TIDE areas have been captured and archival recording will continue through throughout the project. <p>Archival footage is being used as interpretive content for TIDE and on the digital screens at the north wall of the Welcome Centre.</p> <p>Archival recording of the Concert Hall and Creative Learning Centre works has commenced, including cloud point scanning of the existing venues. Archival recording will continue throughout the project. Archival recording of the Concert Hall and Creative Learning Centre works has commenced, including cloud point scanning of the existing venues. Archival recording will continue throughout the project. Archival imagery and a record of the construction works have been shared on the Renewal website.</p> |
| | 3.4 | Google Cultural Institute content | Maintain and evolve the Opera House collection on the Google Cultural Institute, including interactive exhibits reflecting the Renewal and broader SOH interpretation themes. | 2018 and ongoing | <p>Three new Google Cultural Institute exhibits on John Coburn's Curtain of the Sun and Curtain of the Moon were launched in April 2019 on their history and significance to SOH. Sam Doust of Latchkey Services has been engaged to develop three new Google Arts and Culture Exhibits on the Sydney Opera House tapestries.</p> |
| | 3.5 | Building heritage and conservation projects | Continue to showcase information and content from key building heritage and conservation projects, including the Getty Concrete Conservation Project. | Ongoing | <p>Management continues to showcase the Renewal and conservation projects through awards, publications and attendance at conferences and key meetings, including:</p> <ul style="list-style-type: none"> > A public-facing report about the Getty Concrete Conservation Project publication (available online through the Getty Foundation website and library). > Joan Sutherland Theatre lift and passageway won a New Design in Heritage Contexts award at the UNESCO Asia-Pacific Awards for Cultural Heritage Conservation. > Joan Sutherland Theatre lift and passageway was shortlisted for a National Trust Heritage Award. > Scott Carver Architects, the architects of the Joan Sutherland Theatre passageway and lift, was awarded the NSW Architecture Institute of Australia award in the small projects category. The project has also been shortlisted for the National Australian Institute of Architecture awards in the Heritage category. > Ian Cashen (Executive Director, Building, Safety & Security) submitted a paper for the International Scientific Symposium on Safety and Heritage, held in Portugal in May 2019, on security upgrades including the site entry works. <p>Jade McKellar (Director, Visitor Experience) and Laura Matarese (Heritage Manager) presented a paper on "World Heritage and Tourism at the Sydney Opera House" to the Australian World Heritage Forum on 25 September 2019.</p> <p>Ms Matarese presented a paper on SOH interpretation projects in the Decade of Renewal at the SOH, with a focus on the John Coburn tapestries exhibition, at the Interpretation Australia conference, 16-18 October 2019.</p> <p>Hosting DOCOMOMO International President Ana Tostoes and Australian chapter president Scott Robertson for a meeting and site tour with Mr Ian Cashen (SOH Director Building, Safety and Security), Mr Alan Croker (SOH heritage architect and CMP4 author) and Ms Laura Matarese (SOH Heritage Manager).</p> <p>Submitting an application for the National Trust Heritage Awards 2020 in the Exhibition category for the Coburn Tapestries exhibition in May 2019.</p> <p>Submitting a proposal for paper presentation by Ms Laura Matarese and Mr Alan Croker for the ICOMOS General Assembly Symposium in October 2020 on the development and implementation of the CMP4 in the organisation.</p> <p>Co-convening and sponsoring an international symposium on concrete conservation prior to the ICOMOS General Assembly in October 2020. The symposium organisers include the SOH, the Getty Conservation Institute and the ICOMOS Twentieth Century Heritage International Scientific Committee (ISC20C). These events have been postponed in response to the COVID-19 pandemic.</p> |

Appendix 5 - Examples of hoardings used during construction

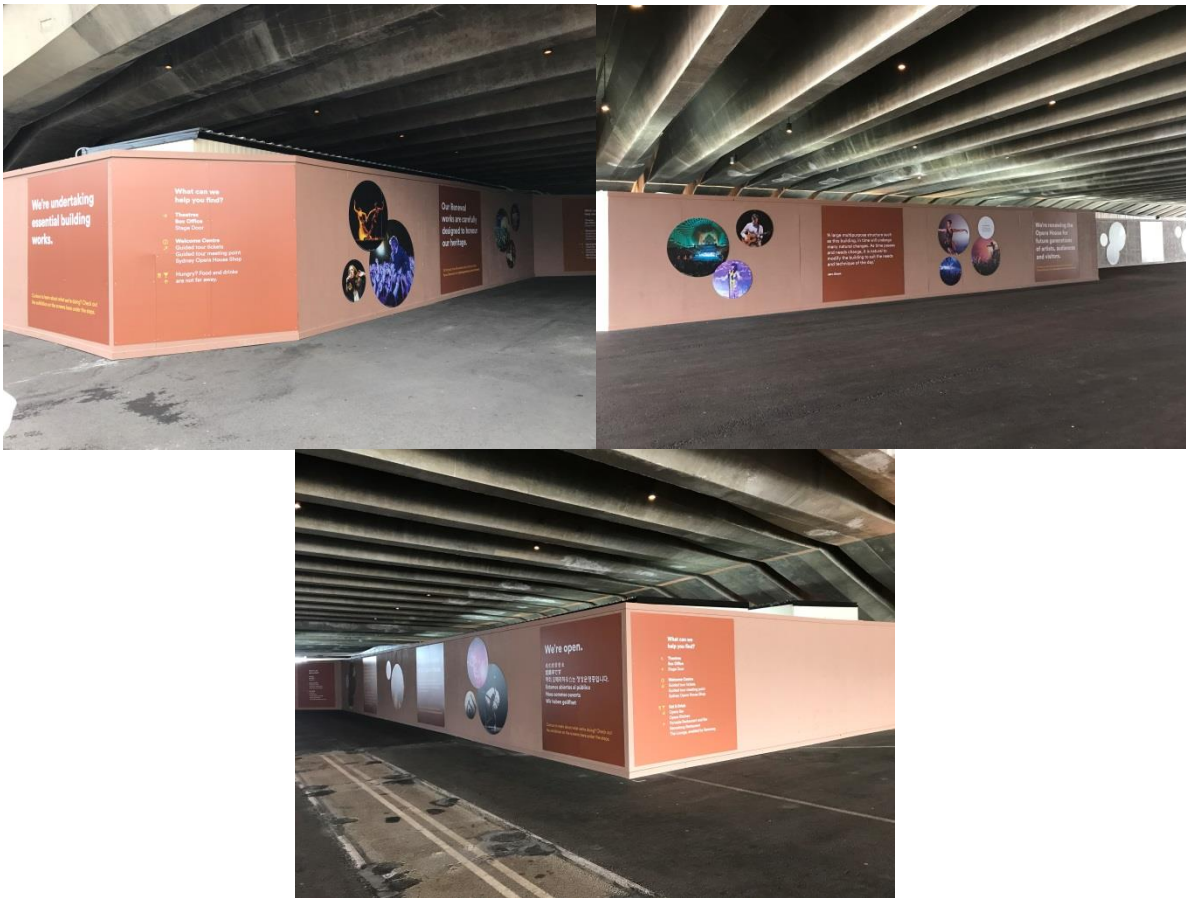
SAVE project – JST Entry:



Key messaging:

We're renewing the Opera House for future generations of artists, audiences and visitors

Undercover concourse/site shed:



Key messaging:

- We're undertake essential building works
- Honouring our Heritage
- Future of the Opera House
- We're Open
- Directional signage

JST Northern Foyer:



Key messaging:

- We're renewing the Joan Sutherland Theatre for future generations.
- We appreciate your support while we complete these essential upgrades
- We're creating a more welcoming, inspiring and accessible Opera house
- Directional signage

Function Centre:

Key messaging:

Renewing the Sydney Opera House for future generations

Timeline of activities