

## Structural Design Certificate

**Project No.: 60469415**

**Project Name: Sydney Opera House – Building Renewal Program – Escalator**

### Design Phase Certificate

We, AECOM Australia Pty Ltd being Structural Engineers within the meaning of the Building Code of Australia, hereby certify that this office is responsible for the structural design of the building elements contained in the drawings listed in Schedule A and that these elements have been designed in accordance with the relevant provisions of the standard building codes, SAA Codes as listed below, and in accordance with accepted engineering practices and principles. We also confirm compliance with SSD 7665 Condition B17.

<b>Specific Australian Standards and Building Codes</b>
Building Code of Australia 2016, Relevant Sections of Volume 1 Parts B & C
AS/NZS 1170.0 Structural Design Actions Part 0 General Principles
AS/NZS 1170.1 Structural Design Actions Part 1 Permanent, Imposed and Other Actions
AS/NZS 1170.2 Structural Design Actions Part 2 Wind Actions
AS/NZS 1170.4 Structural Design Actions Part 4 Earthquake Actions
AS 3600 Concrete Structures
AS 4100 Steel Structures

This certificate shall not be misconstrued in relieving any party of their contractual obligations.

### Certifiers Details

Name: Jonathan Onslow

Signature:



Date: 10/08/2018

Principal Design Engineer  
Jonathan.Onslow@aecom.com

## Schedule A – List of Structural Engineering Drawings

Drawing Number		Revision
AEC09-S000	ENTRY FOYER - COVER SHEET AND DRAWING LIST	02
AEC09-S001	ENTRY FOYER - GENERAL NOTES - SHEET 1	02
AEC09-S001	ENTRY FOYER - GENERAL NOTES - SHEET 2	02
AEC09-S010	ESCALATOR - UTZON ESCALATOR DETAILS SHEET 1	04
AEC09-S011	ESCALATOR - UTZON ESCALATOR DETAILS SHEET 2	04
AEC09-S015	ESCALATOR - THRUST BLOCK DETAILS – SHEET 1	05
AEC09-S016	ESCALATOR - THRUST BLOCK DETAILS – SHEET 2	03
AEC09-S017	ESCALATOR - THRUST BLOCK DETAILS – SHEET 3	01