14 March 2018

Sydney Observatory
Museum of Applied Arts & Sciences
1003 Upper Fort St
Millers Point NSW 2000

Dear Sir/Madam,

**SSD 8529 Commercial Building C1 Barangaroo South**
**Lighting Strategy**

In accordance with Condition C13 of the Barangaroo South Concept Plan (Reference MP06_0162 Modification 8), all future development applications at Barangaroo South for above ground works require a preliminary lighting strategy. The lighting strategy is to be prepared in consultation with the Sydney Observatory.

Building C1 is a seven (7) level commercial building within Barangaroo South fronting Hickson Rd. A development application was lodged late October 2017 to the Department of Planning and Environment for the proposed building, with public exhibition occurring from 9 November 2017 to 8 December 2017. The development application is still under planning assessment.

As part of the development application, a Lighting Strategy for the proposed building has been prepared and this is attached at Appendix A.

Given the scale and location of the building there will be no light trespass from Building C1 that will impact the Sydney Observatory, as confirmed by the lighting strategy.

If you however have any comments or would like to discuss further please feel free to contact me directly on 0477 324 923 or via email daniel.doyle@lendlease.com

Yours sincerely,

**Daniel Doyle**
**Development Manager, Barangaroo South**
Lendlease (Millers Point) Pty Limited

## Appendix A – Lighting Strategy, Building C1

FREDON

FREDON Industries Pty Ltd 123 Wetherill St North Silverwater NSW 2128
FREDON Air Pty Ltd 123 Wetherill St North Silverwater NSW 2128
FREDON (QLD) Pty Ltd 7 Welch St Underwood QLD 4127
FREDON (ACT) Pty Ltd 1/119-121 Gladstone St Fyshwick ACT 2609
FREDON (WA) Electrical Pty Ltd 7/184 Raleigh St Carlisle WA 6101

Date: 13 March 2018

## Commercial Building C1 – Lighting Strategy

The lighting design of the C1 project at Barangaroo will comply with the following requirements:

- AS2293.1-2005 Emergency escape lighting and exit signs for buildings system design, installation and operation
- AS1680.2.1-2008 Interior and workplace lighting specific applications – Circulation spaces and other general areas
- National Construction Code Series 2013- Volume One, Building Code of Australia.
- AS4282 – 1997 Control of the obtrusive effects of outdoor lighting
- AS1158.3.1 – 2005 Lighting for roads and public spaces Pedestrian area (Category P) lighting – Performance and design requirements

The lighting shall complement the built structure and add character and a sense of space. There will be no light trespass to the neighbouring buildings and glare from luminaires will be kept at the bare minimum and contained within the site footprint.

The proposed lights and lamps utilized for the project will be efficient, sustainable and use BAT (best available technology). The lighting levels and arrangement benefits the ambience required for the space.

The control of the luminaires shall be via the building automation system with inputs from photo electric cells, time functions and motion detection.

The lighting scheme for the project will be carried out by a professional lighting designer.

There will be no light trespass from the building that will impact the Sydney Observatory.

AS4282 – 1997 will provide the relevant controls for mitigating any lighting impact to immediately neighbouring properties.

Yours Sincerely

**Chun Kwok Chan**
CEng, MIEAust, MCIBSE, MIET
Senior Engineer
FREDON INDUSTRIES PTY LTD