

## Memorandum

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Subject	161 Sussex Street Statement of Key Façade Concepts to the Rooftop Bar Design - Section 96 - Rev00		
From	Lizette McNeill		
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This memorandum has been prepared by AECOM to address key façade concepts proposed in the architectural design for the new rooftop bar at 161 Sussex Street. The design proposal encompasses a two storey addition (Level 11 and Level 12) to the existing building with a range of façade treatments to each floor, including: operable stacking windows, cladding to the canopy structure, operable horizontal sunshade elements, glazed wall incorporating glass louvre or awning systems, and glass balustrades.

It is anticipated that the façade systems will be pre-fabricated, unitised panels supported between the existing and new structure.

It is anticipated Level 11 will incorporate a fixed, enclosed envelope whereas the intent for the Level 12 is to incorporate operable elements in the envelope, allowing the space to be open or closed to the external environment. It is expected that the glass types proposed for the sealed building envelope will be required to be high-performance insulated glass units (IGU) incorporating a double low-emissivity coating; this glass is able to transmit high levels of visual light while maintaining excellent solar shading performance. The final glass options will be selected based on their technical and colour properties and will be sympathetic in appearance to the range of glass types across the existing and new buildings within the 161 Sussex St development. Additionally, the optical properties of the proposed glass will be controlled by the design and construction teams to meet local external reflectance requirements.

In summary, the new façade system is expected to achieve the following objectives:

- High-quality façade construction and materials which provide an efficient and waterproof envelope;
- Thermally efficient façade design corresponding to the ESD design strategies with a view to meeting, and where possible exceeding, the *Green Star – Public Building (Pilot)* criteria.

Please do not hesitate to contact the undersigned should you have any queries relating to the above.

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