

Memorandum

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Subject	161 Sussex Street Statement of Key Façade Concepts to the Lift Lobby Design - Section 96 - Rev00		
From	Lizette McNeill		
File/Ref No.	60285493/6.1	Date	27-Apr-2015

This memorandum has been prepared by AECOM to address key façade concepts proposed in the architectural design for the new lift lobby at 161 Sussex Street. The design proposal encompasses an extension of the lift core to include a new, sixth elevator and the creation of a visual link to the existing building via a shear glass envelope running vertically alongside the lift core.

The façade elements integral to the design include the glass and its supporting aluminium framing. It is anticipated that the façade system will comprise of modular curtain wall panels, fabricated off-site and supported from each floor of the building. This façade system has been selected for the new tower – currently in construction stage along the Southern aspect of the development – for its valuable quality control and installation efficiency attributes.

With respect to the glass selected for this new façade, it is expected it will be a high-performance insulated glass unit (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 option will be selected based on its 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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