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Henrietta Francis
Development Project Manager
Lendlease
Level 14, Tower Three International Towers Sydney
Exchange Place, 300 Barangaroo Av.
Barangaroo NSW 2000

Dear Henrietta

One Sydney Harbour, Building R4B Barangaroo South, Section 4.55(2) Modification Application for State Significant Development SSD 6965 (Cross Ventilation)

This note refers to Building R4B of One Sydney Harbour as part of the Barangaroo South project.

The design team has explored the feasibility of implementing natural cross ventilation ducts on a number of apartments to meet the applicable requirements of SEPP65 and Apartment Design Guide.

On review of the proposal and based on preliminary wind engineering advice, we anticipate that a horizontal air path of at least 0.5m² free cross-sectional area would need to be maintained between the nominated apartments and outside and depending on the path selected.

This approximately equates to a 1.2m by 0.45m duct minimum and noting that those dimensions will have to be reviewed against the final arrangement. Factors influencing the airway section include façade wind pressures and pressure drop along the air path which is caused by factors such as duct length and number of bends.

It is proposed to incorporate the air path in the apartment ceiling void which has significant impact on the apartment spatial coordination and results in reduced ceiling heights in particular.

Yours faithfully

A handwritten signature in black ink, appearing to read "Olivier Loyez".

Olivier Loyez
Associate

Enc: nil

Copies: nil