

*Our ref:* PE/CW/ST16666/Mitigationv2

*Date:* 6th September 2019

*Your ref:*

Bharat Tripathi  
Fletcher Rae Architects

Dear Bharat

### **Revised Wind Mitigation – Brunswick Quay**

This letter provides a summary of Wardell Armstrong's response the wind mitigation detailed in drawings M80089-201, M80089-202 & M80089-101.

We are pleased to see the retention of the screen on the terrace, especially as it is being used as a dining area and will be subject to higher wind speeds.

The piazzas were also subject to higher wind speeds due to their height as well as buildings either side funnelling the prevailing wind. The perforated metal screens will offer protection directly behind them and will reduce the chances of unsafe wind speeds.

The number of trees and planters are adequate, especially along the east of the Site where wind could potentially be channelled. While not strictly necessary, any additional trees beyond those currently shown might reduce the wind speeds further. If possible we would recommend an increase in the number of trees to reduce the wind speeds further.

The perforated metal screens along the east side would help reduce ground level wind speeds approaching from the east. To deliver a slight improvement, it may be useful to change the angle of the screens so that they help reduce speeds from the south as well.

The number of raised planters and screens situated along the west side of the development should help reduce speeds, especially at the corners of the buildings that could be subject to wind speed ups.



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Overall the wind mitigation strategy shown drawings M80089-201, M80089-202 & M80089-101 will reduce the wind speeds around the Site and are compliant with our original mitigation strategy. It should be remembered that the wind speeds predicted for the Site were high and unsafe wind speeds may still occur on rare occasions even with the mitigation associated, however this was also the case without the building being present.

**Yours sincerely**

**for Wardell Armstrong LLP**

**Paul Evans**

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