# One Richmond Row, London, Canada

## Wind Engineering Study

Image Credit: Old Oak Properties Inc.

| *Client* | *Structural Engineer* | *Architect* |
|---|---|---|
| Old Oak Properties Inc. | VanBoxmeer & Stranges Engineering Ltd | SRM Architects Inc. |
| *Height* | *Year Tested* | *Model Scale* |
| 103 m | 2017 | 1:400 |

### The Project

The One Richmond Row development is located at 515 Richmond Street in London, Ontario. The development consists of a 32-story residential tower with extensive wrap around balconies.

### The Wind Tunnel Studies

The wind engineering studies for the One Richmond Row included a study of the wind-induced structural loads and responses, local cladding pressure loads, and pedestrian level wind environment.

The study of overall structural loads and cladding pressures were carried out using a pressure model containing 260 pressure measurement locations distributed over the tower.

The study of pedestrian level wind speeds included 21 measurement probes distributed around the project site.



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