90 Eastdale Avenue, Toronto, Canada

Wind Engineering Study

Image Credit: Old Oak Properties Inc.

Client	*Structural Engineer*	*Architect*
Theakston Environmental	RJC Engineers	IBI Group
Height	*Year Tested*	*Model Scale*
112 m	2019	1:400

The Project

The 90 Eastdale Avenue development is located at the intersection of Eastdale Avenue and Lumsden Avenue in Toronto. The proposed building, which is part of a larger development, consists of a 35-story residential tower with an attached podium.

The Wind Tunnel Studies

The wind engineering studies for the 90 Eastdale Avenue development included a study of the wind-induced structural loads and responses, and local cladding pressure loads.

The study of overall structural loads and cladding pressures were carried out using a pressure model containing 339 pressure measurement locations distributed over the tower.

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