New Toronto Courthouse, Toronto, Canada

Wind Engineering Study

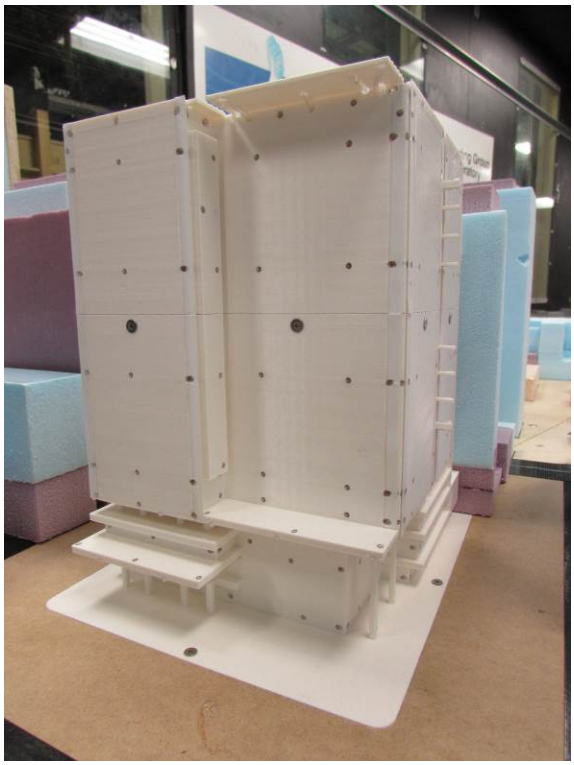

Image Credit: NORR Architects & Engineers Limited.

Client	*Structural Engineer*	*Architect*
Theakston Environmental	Stephenson Engineering Ltd.	RPBW and NORR Architects & Engineers Limited
Height	*Year Tested*	*Model Scale*
95 m	2018	1:400

The Project

The New Toronto Courthouse is in Toronto's downtown core, just steps from Nathan Phillips Square and Toronto City Hall. The proposed development consists of a single 17 storey tower with an attached podium.

The Wind Tunnel Studies

The wind engineering studies for the New Toronto Courthouse 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 406 pressure measurement locations distributed over the tower.

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