Michael Garron Hospital, Toronto, Canada

Wind Engineering Study

Image Credit: Toronto East Health Network

Client	Structural Engineer	Architect
Theakston Environmental	-	B+H Architects and Diamond Schmitt Architects
Height	**Year Tested**	**Model Scale**
39 m	2018	1:300

The Project

The Michael Garron Hospital is located in the block bordered by Coxwell Avenue to the west, Mortimer Avenue to the north, Knight Street to the east and Sammon Avenue to the south in Toronto. The proposed Ken and Marilyn Thomson Patient Care Centre consists of a single 9 storey hospital addition to the existing hospital.

The Wind Tunnel Studies

The wind engineering studies for the Michael Garron Hospital included a study of the local cladding pressure loads.

The study of cladding pressures was carried out using a pressure model containing 465 pressure measurement locations distributed over the tower.

The Boundary Layer Wind Tunnel Laboratory

Western

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FSTB/382 /April, 2018 / DG
Last Printed: January, 3, 2019