Absolute Towers, Mississauga, Ontario

Wind Engineering Study

Client	Engineers	Architect
Theakston Environmental	Sigmound Soudack and Associates	Burka Varacalli Architects Inc.
Height	**Year Studied**	**Model Scale**
Absolute 4 175m & Absolute 5 157m	2007	1:400

The Project

Absolute World is a residential development in Mississauga consisting of 5 condominium towers. The two unique towers are Absolute 4 and Absolute 5. These two towers are 56 and 50 storeys respectively and are the last two to be constructed in the development. At the time of construction these two towers will be the tallest of any built in a Canadian suburban city.

The Wind Tunnel Studies

The wind engineering studies for the buildings included a study of the wind-induced structural loads and responses and local cladding pressure loads.

The study of overall structural loads and responses were determined for the towers using the force balance technique.

The study of wind-induced cladding pressures was carried out for 385 measurement locations on Absolute 4 and 410 locations on Absolute 5 distributed over each of the towers.

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Western

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