25 York Street, Toronto, ON, Canada

Wind Engineering Study

Client	Structural Engineer	Architect
Theakston Environmental	Stephenson Engineering Ltd.	Adamson Associates Architects
Height	**Year Tested**	**Model Scale**
134 m	2007	1:400

The Project

The project, also referred to as the Telus Building, consists of a 30 storey office tower with a 4 storey podium. It is located south of Union Station, next to the Air Canada Centre.

Vertical glass fins extend 2.4 m from each corner of the tower over the full height of the building above the podium. A 12 m glass parapet is located at the top of the north and south faces of the tower.

The Wind Tunnel Studies

The wind engineering studies for the 25 York Street tower included a study of the local cladding pressure loads.

The study of wind-induced cladding pressures was carried out with 560 pressure taps on the tower and podium. Differential pressures on the glass fins and parapet were studied by differencing pressures on the two exposed surfaces of each.

The Boundary Layer Wind Tunnel Laboratory

Western

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