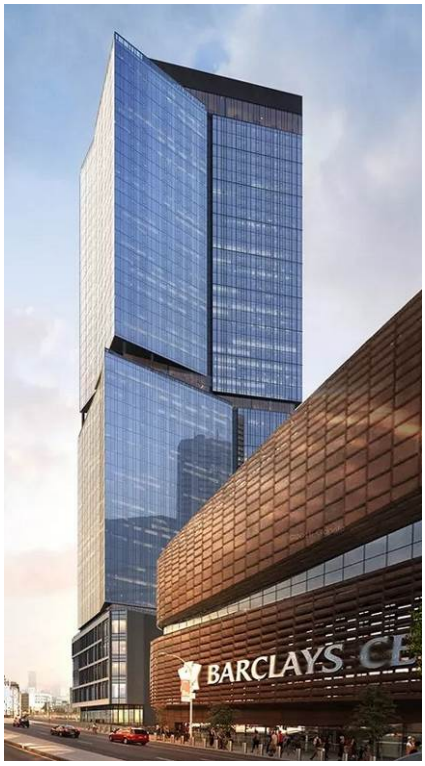
Pacific Park B4, Brooklyn, U.S.A.

Wind Engineering Study



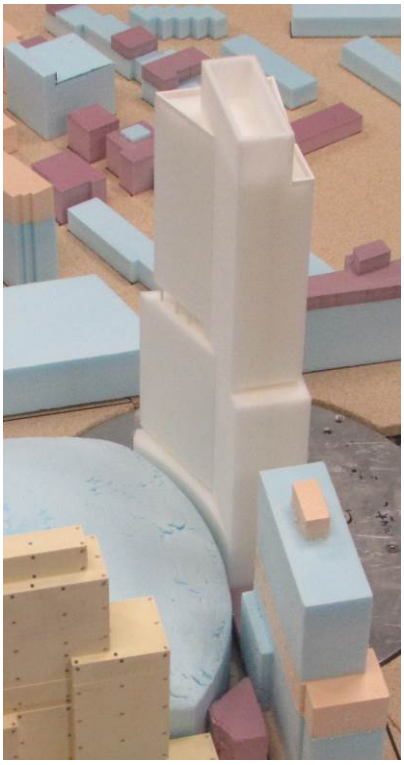
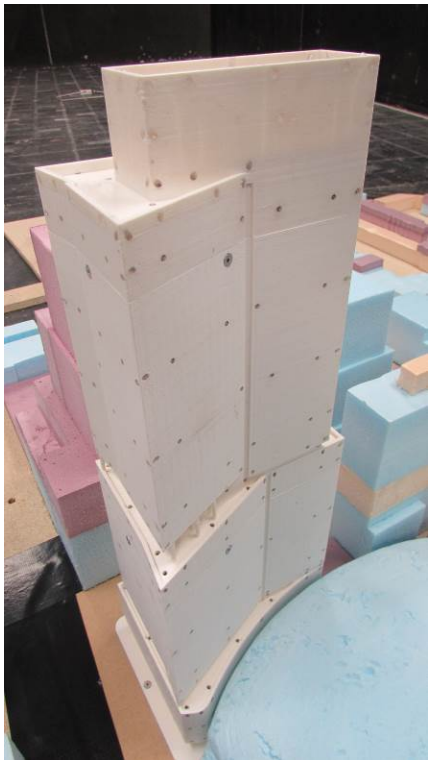



Image Credit: Pacific Park Brooklyn

Client	*Structural Engineer*	*Architect*
Greenland Forest City Partners	McNamara Salvia	Perkins Eastman
Height	*Year Tested*	*Model Scale*
550 ft	2018	1:400

The Project

The Pacific Park B4 development is right beside the Barclays Center in the Prospect Heights neighbourhood at 18 Sixth Avenue, Brooklyn, New York. This development consists of a 550' tall 50-story residential tower.

The Wind Tunnel Studies

The wind engineering studies for the Pacific Park B4 included a study of the wind-induced structural loads and responses, local cladding pressure loads, and pedestrian level wind environment.

The study of overall structural loads responses was determined using the force balance technique.

The study of cladding pressures was carried out using a pressure model containing 439 pressure measurement locations distributed over the tower.

The study of pedestrian level wind speeds included 24 measurement probes distributed around the project site.

The Boundary Layer Wind Tunnel Laboratory

Western

The Boundary Layer Wind Tunnel Laboratory
The University of Western Ontario
Faculty of Engineering, London, Ontario
Canada, N6A 5B9 Tel: (519) 661-3338 Fax: (519) 661-3339
Internet: www.blwtl.uwo.ca E-mail: info@blwtl.uwo.ca

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