300 East 55th Street, New York, NY, USA

Wind Engineering Study

Image Credit: SLCE Architects

Client	*Structural Engineer*	*Architect*
Gilsanz Murray Steficek LLP	Desimone Consulting Engineers	SLCE Architects
Height	*Year Tested*	*Model Scale*
381 feet	2003	1:400

The Project

The 300 East 55th Street development in New York City consists of a 31-storey residential tower. The site is located in Midtown East Manhattan and is bounded by East 55th Street, and 2nd Avenue.

The residential tower will accommodate approximately 119 units. The project includes a health club and retail space.

The Wind Tunnel Studies

The wind engineering studies for 300 East 55th Street tower included a study of the wind-induced local cladding pressure load.

A study of wind-induced cladding pressures was carried out for 331 measurement locations distributed over the tower.

The Boundary Layer Wind Tunnel Laboratory

Western

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FSTB/ 247 /December, 2006 / PSQ
Last Printed: March, 30, 2009