Sign at 1550 Broadway, New York, NY, USA

Wind Engineering Study

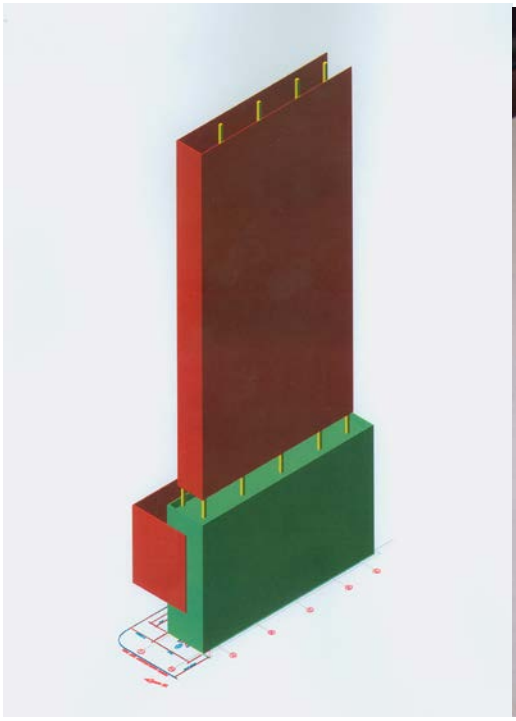

Image Credit: Robert Silman Associates

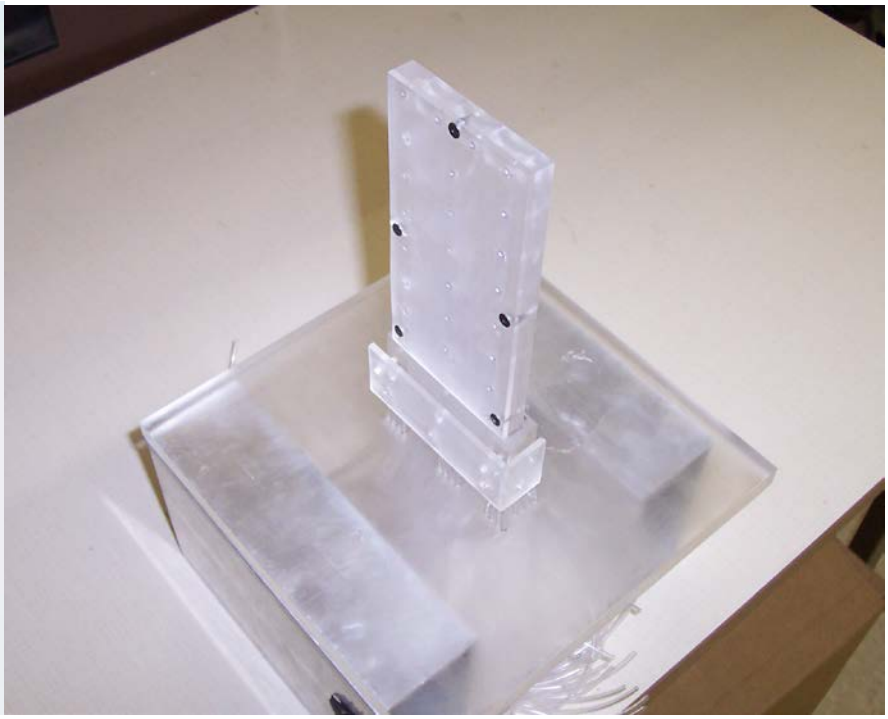

Photo of Pressure Model

Client Robert Silman Associates	*Structural Engineer* Robert Silman Associates	*Architect* Robert Silman Associates
Height Main Sign – 238 feet	*Year Tested* 2007	*Model Scale* 1:400

The Project

The sign at 1550 Broadway in New York, New York consists of two signs with the main sign rising 238 feet. The site is located in Time Square in New York City and at the southeast corner of the intersection of Broadway and West 46th Street.

The Wind Tunnel Studies

The wind engineering studies for the sign at 1550 Broadway included a study of the wind-induced structural loads and responses and local cladding pressure loads.

The study of overall structural loads and responses was determined for the sign using the pressure integration technique.

A study of wind-induced cladding pressures was carried out for 66 measurement locations distributed over the sign.

The Boundary Layer Wind Tunnel Laboratory

Western

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