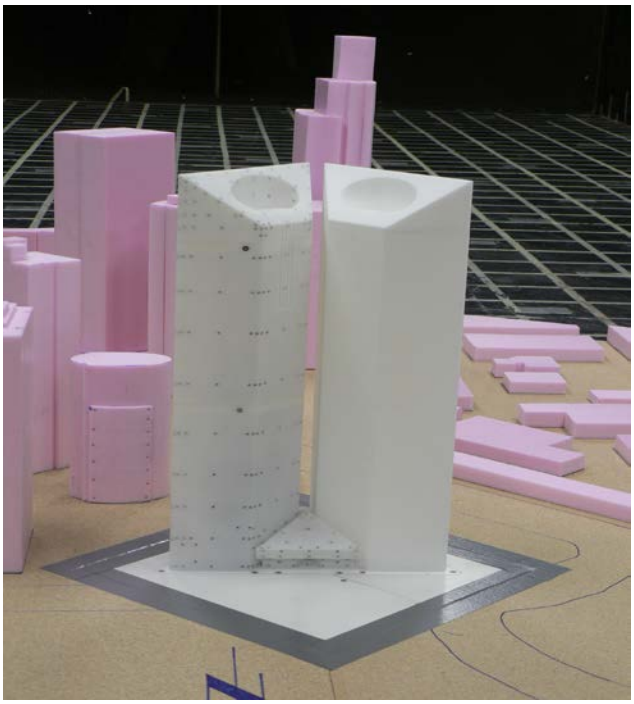
Samrya Towers, Doha, Qatar

Wind Engineering Study



Client	Architect & Engineer	
Mouawad Edde Contracting Representing Gulf East Trading and Contracting	MZ Architect & Engineering Consultancy	
Height	**Year Studied**	**Model Scale**
180 meters	2008	1:400

The Project

The project consists of two identical 43 storey towers each having a regular trapezoidal plan form and joined by a low-rise.

The towers have a sloped three storey mechanical roof with a vertical opening through the center.

.

The Wind Tunnel Studies

The wind engineering study of the wind-induced local cladding pressure loads was performed.

The study of wind-induced cladding pressures was carried out for 382 measurement locations on the east and west towers and 81 locations on the low-rise for a total of 845 distributed over the towers and associated low-rise.

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

FSTB/ 349 /March 2010 / RTE
Last Printed: March 18, 2010