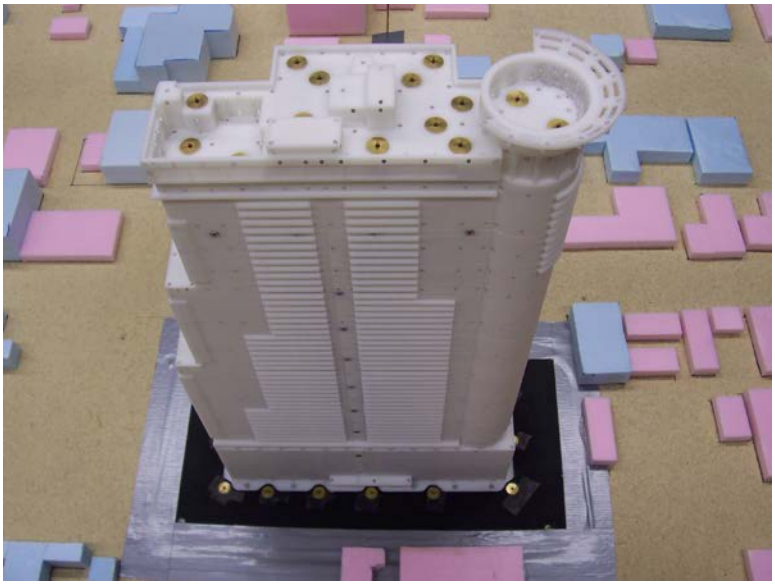
Renaissance Club, Las Vegas, Nevada

Wind Engineering Study



Client	Engineers	Architect & Engineers
Diversified Real Estate Group	Nabih Youssef Associates, Structural Engineers	atelier V Architects
Height	**Year Studied**	**Model Scale**
698ft	2006	1:400

The Project

The development consists of a 60-storey residential condominium tower. Studio apartments and luxury condos can both be found in the Club Renaissance high-rise building.

Conveniently located in downtown Las Vegas, Club Renaissance is one of the premier up and coming condo locations in Las Vegas.

The lowest levels of Club Renaissance have been reserved for retail space. The lower levels will contain shopping and dining options.

The Wind Tunnel Studies

The wind engineering studies for the development included a study of the wind-induced structural loads and responses, local cladding pressure loads and pedestrian level winds.

The study of overall structural loads and responses for the tower were determined using the loads from pressures technique.

The study of wind-induced cladding pressures were carried out for 815 measurement locations distributed over the tower and associated low-rise.

The pedestrian level wind study examined 28 locations in and around the site.

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The Boundary Layer Wind Tunnel Laboratory

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