

# NewYork-Presbyterian Hospital The Vivian and Seymour Milstein Family Heart Center

New York, New York

**Owner**

NewYork-Presbyterian Hospital

**Client/Architect**

Pei Cobb Freed & Partners

**Owner's Representative**

Peter Romano and Company

**General Contractor**

Bovis Lend Lease

**Completion Date**

2009

**Construction Cost**

\$125 million

**Total Area**

142,000 sf

**Number of Stories**

6



The Vivian and Seymour Milstein Family Heart Center is constructed within the courtyard of two existing buildings owned by NewYork-Presbyterian Hospital. The hospital's expansion enhances and provides additional hospital functions, including new operating rooms, dialysis, patient procedures, an auditorium, and conferencing centers. The LEED Gold certified project has six floors above ground and three floors below.

The signature architectural element of the project is its exposed and highly detailed curved climate wall, the first in New York, coupled with a 70-foot tall atrium space enclosing glass bridges that span between the existing hospital buildings and the new construction. The curved climate wall is constructed of vertical tensioned cable trusses located within the climate wall cavity, with point supported glazing on the exterior and floor to ceiling glass panels on the interior. The interstitial space is approximately 30 inches wide permitting condition airflow designed to efficiently cool and heat the space. The atrium vertical wall is supported by horizontal cable trusses, supporting point supported glazing, and architecturally exposed steel plate beams supporting a glazed roof.

Thornton Tomasetti provided structural engineering as well as preliminary curtain wall design services for the building. Among the most challenging tasks were the irregular grid layout, keeping the hospital fully operational during construction, and working with the interferences from the existing structure.

