

Nationals Park

Washington, DC

Owner

Events DC

Architect

HOK/Devroux & Purnell, PLLC

Contractor

Clark/Hunt/Smoot Joint Venture

Completion Date

2008

Construction Cost

\$611 million

Total Area

1 million sf

Awards

Award of Excellence, Special Project, National Capital Chapter of the American Concrete Institute, 2009

National Capital Region's 2008 Project of the Year, U.S. Green Building Council.

Excellence in Structural Engineering Outstanding Project Award, New Buildings Over \$50 Million, Structural Engineers Association of Metropolitan Washington, 2008

Project of the Year, Sports & Entertainment, *Mid-Atlantic Construction Magazine* Best of 2008

Design-Build Award for Public Sector Building Over \$15 Million, Design-Build Institute of America, 2008



Thornton Tomasetti provided structural design for Nationals Park, a 41,418-seat stadium, home to the Washington Nationals Major League Baseball team, with joint venture partner ReStl. The one-million-square-foot ballpark includes luxury suites and club-level seating, a 4,500-square-foot scoreboard, team offices, a conference center, a restaurant and sports bar, a picnic area and family plaza, and parking. The exterior makes innovative use of glass, structural steel and pre-cast concrete to create a façade that reflects the architectural heritage of the nation's capital.

An ultra-fast-track schedule was achieved through design-build delivery, with a construction schedule of only 23 months. The steel design relied on a Tekla Structures 3D building information model that was transferred to the steel subcontractor. Connection detailing and design changes were made in the model and downloaded directly to the fabricator's shop. This innovative approach significantly reduced the design and fabrication schedule for the stadium's 7,800 tons of steel and allowed the structural design to be completed well in advance of the final ballpark design.

Nationals Park has achieved LEED Silver status, the first professional sports stadium in the United States to gain this certification. Green features include a 6,300-square-foot green roof above the concession stands beyond left field, regionally produced building materials, and recycled building materials.

