



CASE STUDY

United States Air Force Memorial
Arlington, VA



Dedicated: October 2006

Owner: U.S. Air Force Memorial Foundation

Concrete Supplier: Vulcan Materials Company

Concrete Subcontractor: Cianbro Corporation, Oncore Construction LLC

Structural Engineer: Arup Group

General Contractor: Centex/Balfour Beatty Construction

Three stainless steel spires reach to the clouds reminiscent of the Air Force Thunderbirds precision bomb burst maneuver. The absent fourth spire a nod to the 'missing man' formation. What lies beneath is as strong as the resolve of the men and women whom the memorial is meant to honor. The foundation contains 500 cubic yards of 6,000 psi concrete, and each spire is filled 2/3 full with 12,000 psi concrete and grout. The transition between concrete and steel at the last third includes a damper that helps with aerodynamic stability.

Awards: National Capital Chapter ACI, Excellence in Concrete Special Award 2010