



# JACKSONVILLE NAVAL AIR STATION TYPE II HANGAR AND AIRCRAFT PARKING APRON

## PROJECT OVERVIEW

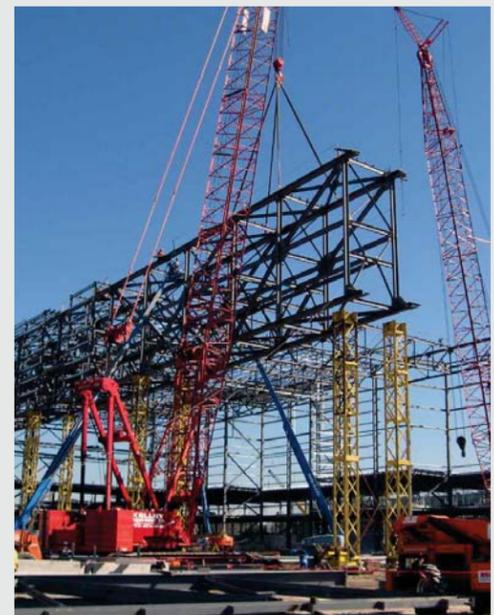
The Type II Hangar and Aircraft Parking Apron project (P-302), involved the design and construction of a 277,000 square foot aircraft maintenance hangar and extensive related site development. The new hangar provides operations and administrative space, maintenance shops and aircraft maintenance bays for six Navy aviation squadrons relocated from NAS Brunswick, Maine, as a result of the Base Realignment and Closure (BRAC) legislation.

## PROJECT FEATURES

- Final project cost \$128,545,681. The largest design-build hangar project in the Navy fleet.
- Construction start May 2007. Construction completion May 2009.
- The total project area covered 80 acres.
- 1.1 million square feet (over 25 acres) of 14-inch thick concrete airfield paving.
- Supported by over 400 auger-cast piles, the hangar structure includes two primary truss spans of over 450 feet.
- Hangar bay slabs-on-grade are 11-inch thick double-reinforced.
- Fully sprinklered and equipped with a low level aqueous film forming foam (AFFF) fire suppression system.
- Anti-Terrorism/Force Protection (AT/FP) Compliant.
- Significant sitework included the construction of a storm drain system to direct storm water flows into a new 7+ acre retention pond. This system was put to the test during Tropical Storm Faye, when over 21-inches of rain fell over three days.
- Facility initially serves 37 aircraft and 1,600 personnel.
- Hangar bays provide space for simultaneous maintenance activities on seven C-130 and P-3C aircraft.
- Design accommodates the transition to the Navy's new P-8 (737 airframe) aircraft.
- First Navy hangar to achieve USGBC LEED Silver certification.



**2011 DBIA AWARD WINNER**  
**TRANSPORTATION: AIRFIELDS, RUNWAYS, HANGARS**



*"The design team worked thoroughly with us in the design process as well as integrating into the construction process, which culminated with the delivery of a high quality product that fulfilled all contract requirements as well as addressing all "end user special needs". The Mortenson team was always open, available, and willing to go the extra mile to work with the Navy team on all aspects of the design and construction while maintaining strict cost, quality, and schedule control."*

-- W.A. Siemer, Commander,  
Civil Engineer Corps, U.S. Navy



Structural Frame and Enclosure EPC Subcontractors