

# PROJECT PROFILE

DB-56

## Client:

Air National Guard Headquarters  
Andrews Air Force Base  
Washington, DC

## Objective:

Design and build, on a turnkey basis, 42 hangars in 11 different locations for F-15 and F-16 fighter jets as part of Operation Noble Eagle—the homeland defense initiative developed after the September 11th terrorist attacks.

## Performance Results:

The first 30 hangars needed to be substantially complete in 30 days to ensure they would be operational before winter weather set in. The remaining 12 hangars were allowed longer schedules.

## Perspective:

Following the September 11th attacks in the United States, numerous Air National Guard (ANG) units were tasked with defending the homeland air space. They needed a large number of hangars to protect fighter jets on many air bases in a short period of time. The buildings were designed, engineered, and supplied by BlueScope's Heavy Structures group and BlueScope Construction was the turnkey general contractor working with locally-based Builders to construct the projects at each location.

To save fabrication and construction time and cost, the hangars were all given the same design: a single slope building, with no ridge. Any hangar could be sloped in the best direction for water run-off on each site. The design used only 6 primary and secondary steel parts per hangar to expedite fabrication and shipment. All of these elements allowed the ANG to adjust locations for the buildings until the last minute without affecting delivery. All projects were functional on schedule.



- Location:** Air National Guard Alert Hangar Program  
11 Locations throughout the U.S.
- End Use:** Ready Alert Hangars to house F-15s and F-16 fighter jets for intercept purposes
- Size:** 42 hangars; 6,840 square feet each
- Structure:** Single slope
- Walls:** Butlerib® wall system and liner panels
- Roof:** Painted MR-24® standing seam roof systems
- Architect/Engineer:** Burns & McDonnell, Kansas City, Missouri
- Structural Engineering:** BlueScope Construction Heavy Structures, Kansas City, Missouri
- Participating Builders:** CWB Contractors, West Bridgewater, MA; Engineered Structures, Tigard, OR; Commercial Building Services, Littleton, CO; Jack Bays, Inc., McLean, VA; Cameron Construction, North Ferrisburg, VT; Stanker & Galetto, Vineland, NJ; Gateway Building Systems, Fargo, ND; Carl E. Woodward, New Orleans, LA; Jordan General Contractors, Magnolia, TX; Valley Steel Construction, Fresno, CA; Century Construction Company, Richmond, VA.



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