



Project Highlights:

- ◆ Construction of approximately 53,000 square foot one-story building
- ◆ Construction Material Testing
- ◆ Special Inspection Services

Client:

The Houchins Group
Charlotte, North Carolina

Start of Project: September 2005

Completion Date: August 2006

Key Staff:

David Lipka, P.E.
Wayne Noonoo, E.I.
William Graham

Project Cost: \$2,000,000

WPC Fees: \$110,000

The site is located at the southern side of the western terminus at the Charlotte/Douglas International Airport in Charlotte, North Carolina. Project development included grading the site and construction of the new hangar facility, approximately 230 feet by 230 feet with associated pavement, aprons, and roadways. The aircraft hangar was constructed on the eastern half of the site with capacity for five Gulfstream G500 airplanes. The proposed hangar is a one-story above grade metal frame/metal exterior structure (Butler Building) with an apron on the western side and parking lot areas on the northern and eastern side of the structure.

During construction, WPC provided Construction Material Testing Services and Special Inspection Services including: foundation bearing material evaluations, proofroll and undercut evaluations, backfill evaluation and placement monitoring, field density testing, monitored and documented the placement of reinforcing steel, monitored and tested the placement of concrete and grout, structural steel observations, and masonry observations.