



Biz Jet Hangar

Centennial Airport
Centennial, Colorado

GROUND Engineering provided geotechnical engineering for design of the Biz Jet Hangar Project located at Centennial Airport in Centennial, Colorado. The project included a single-story hangar and two-story office area totaling approximately 35,000 square feet. In addition, the project also included a 20,000 square foot concrete aircraft apron designed to FAA specifications.

Based on the expansive nature of the site earth materials, GROUND recommended that the structure be supported on a drilled pier foundation system with a slab-on-grade floor system placed on a layer of moisture-conditioned and compacted fill. The concrete apron design was conducted in accordance with the FAA Layered Elastic Pavement Design procedures.

GROUND also provided comprehensive materials testing services during construction of the project. These included soils, reinforcing steel, concrete, masonry, structural steel, weld and bolt testing, and asphalt testing.