



LES BROWN, P.E., LEED AP
SENIOR ASSOCIATE
MECHANICAL ENGINEER

PROJECT EXPERIENCE

Indefinite Quantity Contract - United States Postal Service, TX Region - Project Manager and lead mechanical engineer for a two-year contract involving 16 projects at six postal service locations. Investigations, upgrades and/or new construction was provided for chillers, lighting, fire alarms, HVAC, digital controls and security systems. Facilities ranged in size from 7,500 SF to 450,000 SF.

Veterans Affairs Replacement Hospital, Houston, TX – Project Manager for the design of 1,147-bed hospital with a 6,300-ton central plant, 100 air handling systems, 2,500-point DDC system and specialized HVAC design to accommodate the environmental requirements of 43 laboratories.

Osteopathic Medical Center of TX IDIQ, Fort Worth, TX - Project manager of an overall contract involving \$4 M in renovation/upgrade and new construction projects. Design responsibility for kiln exhaust system, exhaust system and HVAC for the oncology suite renovation, mechanical evaluation of TB isolation rooms, and investigation of a boiler.

Word of Life Conference Center, New Port Richey, FL - Project Manager and lead mechanical engineer for all the mechanical and plumbing systems for this 14 building complex, including 1,800 seat auditorium, 500 seat dining hall, 10 motel lodging units, exercise center and swimming center.

McKinney Avenue Contemporary Art Gallery, Dallas, TX - Project Manager and lead mechanical engineer for the renovations of an existing 17,000 SF warehouse into a new contemporary art gallery. The HVAC systems for the galleries were designed for 40% relative humidity control.

Energy Monitoring and Control System (EMCS) - United States Military Academy, West Point NY - Involved in the survey of 47 buildings to determine energy conservation opportunities. Performed computerized energy analysis of buildings to determine economic feasibility of various energy management control schemes. Provided controls design for the subsequent design which featured a basewide EMCS to monitor and control 44 buildings on the West Point campus.

Renovation of Cooke County Courthouse, Gainesville, TX - Project manager and mechanical systems designer for renovations to mechanical systems serving a three-story building built in 1910. The project included the evaluation of the existing HVAC system, designs for a 110-Ton Chiller replacement, and designs for chilled water piping replacements.

Unaccompanied Enlisted Personnel Housing Renovation, Carswell AFB, Fort Worth, TX - Mechanical design for the renovation of an existing three-story, 33,000 SF- dormitory facility.

American Eurocopter Headquarters, Grand Prairie, TX - Primary point of contact and mechanical engineer for multiple projects throughout the 52-acre facility ranging from solutions for inadequate air conditioning, to complete building system designs. Specific projects have included a new helicopter blade repair facility, a new training facility, shops and offices, storage areas for blade boxes, and an air conditioning replacement for a building using four new rooftop units in conjunction with multiple VAV control boxes for each zone.

Experience:

Baird, Hampton & Brown, Inc.: 1992
Years Prior Experience: 13

Education:

Geneva College (PA): B.S./1979
/Mechanical Engineering

Registration:

Texas / 1986 / Mechanical
Engineering and licensed in 36
additional states.

Bio: Mr. Brown has extensive experience in mechanical systems design for a variety of commercial, institutional and government facilities.

He is accustomed to providing quick responses on multiple concurrent projects. He was the Project Manager for a \$3 M IDC contract with defense contractor Lockheed Martin Vought Systems which required services such as HVAC troubleshooting, equipment replacement, vibration analysis, hazardous materials storage, code compliance and routine facility maintenance. The contract often involved working on more than three work orders at a given time.

Also, Mr. Brown is highly qualified in the design of mechanical systems for specialized environmental controlled areas, including hospitals, labs and computer/data processing facilities. He is experienced in energy conservation, energy monitoring and control systems, thermodynamics, heat transfer and temperature controls.