



MICHAEL MCILRAITH, P.E.
PRINCIPAL
MECHANICAL ENGINEER

PROJECT EXPERIENCE

Indefinite Delivery Contract - Lockheed Martin Missiles and Fire Control/Dallas, Grand Prairie, TX – Project Manager and lead mechanical engineer for a multi-M dollar, on-going, indefinite delivery contract requiring quick response time for multiple, concurrent delivery orders. Services have ranged from various office rearrangements to multiple chiller replacements to a new explosion proof hazardous waste processing building.

TCU Walsh Complex, Fort Worth - TX - Lead mechanical engineer for the \$13.3 M, 3-story, 40,000 SF TCU Football Stadium Addition. The addition was constructed on top of the existing Walsh Complex. Due to the high end finish out of the building, special consideration was paid to the location and aesthetics of all mechanical and electrical systems.

Renovations to Bell and Trinity High Schools - Hurst/Euless/Bedford Independent School District, Euless, TX - Lead mechanical engineer providing complete mechanical design and plumbing design for the renovations and additions to two large high schools. These projects involved the complete replacement of all existing HVAC systems in two approximately 180,000 SF high schools.

Energy Monitoring & Control System - United States Military Academy, West Point, NY - Lead mechanical engineer providing engineering design revisions to the base's energy management and control system to support the upgrade of seven associated buildings.

Indefinite Delivery Contract – United States Postal Service, TX Region, TX - Lead mechanical engineer providing engineering design services for mechanical engineering projects at six postal facilities located throughout the state. Types of systems include chillers, fire alarms, HVAC and digital controls. Postal facilities affected by this contract have ranged in size from 7,500 SF to over 450,000 SF.

Renovation & Expansion - Veterans Affairs Medical Center, Dallas, TX - Lead mechanical engineer providing mechanical systems design services for the medical center expansion, involving 700,000 SF of new construction, 500,000 SF of renovation, and new chiller and boiler plant. The new construction provided numerous outpatient clinics, laboratory spaces with modern airflow control, as well as new operating rooms, recovery areas and two intensive care suites.

East Fort Worth Regional Library, TX Region, TX - Lead mechanical engineer providing mechanical engineering design services for this new Library facility in east Fort Worth.

New Sanctuary – Temple Beth-El, Fort Worth, TX - Lead mechanical engineer providing mechanical and plumbing design for this 45,000 SF facility located on South Hulen Street in Fort Worth. Many specialized designs were utilized for this project such as the building of a concrete tunnel for a return air path from the sanctuary.

International Coffee Retailer, Nationwide – Lead mechanical design engineer for MEP engineering services for the tenant improvement of hundreds of shell spaces for retail locations. One such project was designed to achieve a LEED Certified Rating.

Experience:

Baird, Hampton & Brown, Inc.: 1993
Years Prior Experience: 9

Education:

Texas Tech University / B.S./1984 /
Mechanical Engineering

Registration:

Professional Engineer: 1989 / TX /
Mechanical Engineering / 65651

Bio: Michael McIlraith has been in a leadership position in a variety of mechanical design and energy analysis projects, as well as in many of BHB's renovation and upgrade projects for existing facilities. His hands-on work has included literally hundreds of load calculations, ductwork and equipment modifications, mechanical room layouts and piping designs for HVAC systems.