



RICHARD WATTERS, P.E., LEED AP
ASSOCIATE
MECHANICAL ENGINEER

PROJECT EXPERIENCE

714 Main St. Office Building Renovation, Fort Worth, TX – Project Manager and lead mechanical engineer for the complete remodel of the existing 24-story, 210,000 SF building. The existing mechanical and plumbing systems were removed, and the existing building structure was modified as needed to support the new space loading to include a new central plant.

VA Medical Center Geropsychiatry Addition, Dallas, TX - Mechanical engineer providing mechanical systems design for the new 34,100 SF, third-story addition to the existing VA Medical Center hospital wing for two new geropsychiatry units. The new units included seven single patient beds, eleven 2-patient beds, two seclusion rooms, examination rooms, group rooms and administrative spaces.

Hibernia Bank – Plano, Wylie, Frisco, and Little-Elm, TX - Mechanical designer for the design of the 6,870 SF Hibernia bank. Coordination with the Civil and Structural Engineers in addition to the Architect was crucial in coordinating the mechanical equipment locations and locations and depths of water utilities to/from the building.

Special Procedures Suite – Baylor All Saints Medical Center, Fort Worth, TX – Mechanical designer for the design of a Special Procedures Suite, which consisted of two 790 SF sterile procedure rooms, 760 SF of sub-sterile support areas, and an 1,840 SF pre-op and post-op holding area.

Baylor All-Saints Transplant Operating Room – Fort Worth, TX – Mechanical engineer for design of the mechanical, plumbing, and medical gas systems for a new 1,620 SF transplant operating room. This project was designed to use an existing air handling unit serving a nearby OR. Extensive field work was required to make sure that disruptions to the existing OR suite was minimal, and existing utilities in the area were located and extended for this project.

Doss Heritage and Culture Center – Weatherford, TX – Mechanical designer engineer providing engineering design services to support the construction of the Doss Heritage and Culture Center of Parker County, an archive of many historical photos, manuscripts, artifacts, trail driver maps, newspaper clippings, magazine articles and memorabilia important to the legacy of Parker County. The 21,000 SF Center encompasses three exhibit halls, a large area for public gatherings and a catering kitchen.

Kenneth Copeland Ministries – Partner Center, Newark, TX – Mechanical design engineer for the 30,000 SF finish-out of the second floor of an existing building of the Kenneth Copeland Ministries – Partner Center.

Durant Toyota LEED Study, Granbury, TX – Performed LEED study and documentation for the geothermal mechanical design of a new \$4 M, 27,000 SF car dealership. The facility was designed using the latest technology to reduce energy consumption, limit water usage, minimize life cycle maintenance costs, and provide a comfortable, healthier environment for Durant Toyota's customers and employees. When combined with the building's energy-efficient mechanical systems, the building is expected to realize a 10.6% energy savings above and beyond what is currently recommended by the American Society of Heating, Refrigerating and Air-Conditioning Engineers. This is estimated to result in an annual operating cost savings of about \$7,400. LEED Silver Certification is pending.

Experience:

Baird, Hampton & Brown, Inc.:2002
Years Prior Experience: 6

Education:

Texas A&M University / Masters of Science / 2001 / Mechanical Engineering

University of TX at El Paso / Bachelor of Science / 1997 / Mechanical Engineering

Registration:

2005 / TX / Mechanical Engineering / 96589

Professional Organizations:

ASHRAE / Fort Worth Chapter / 2008 / Treasurer

Awards:

2008 Consulting Specifying Engineer's 40 under 40

Bio:

Recently named a 2008 Consulting Specifying Engineer's 40 Under 40, Richard Watters, P.E. serves as Project Manager and Lead Mechanical Design Engineer for the firm's multiple long-term mechanical engineering projects including healthcare, commercial, retail, and municipal. He is experienced in energy metering, energy studies, HVAC and plumbing design along with construction administration. His hands-on work experience includes load calculations, duct design, hydronic piping design, steam and chilled water infrastructure design, plant expansions, and construction administration of a large variety of projects. He has also co-authored several articles published in ASHRAE journals. Richard is an officer for the Fort Worth chapter of ASHRAE and is also a board member for the Paul Schulte Foundation, a non-profit organization whose goal is to empower, inspire and facilitate individuals with disabilities.