



**Tarrant County Sub-Courthouse**, Arlington, TX - MEP and security systems engineering services for a new three-story, \$10 M Sub-Courthouse which achieved LEED Silver certification and is the first building in Arlington, first building for Tarrant County and the first Courthouse in Texas to achieve LEED certification. (annual energy consumption reduced by an expected 38.6%, resulting in an annual cost savings to the Owner of 21.8% on energy bills.)



**Lockheed Martin Aeronautics Company IDIQ**, TX - Since 1992, BHB has been providing Survey, Civil, MEP services to Lockheed Martin under multiple IDIQ's. Services have ranged from various office rearrangements to multiple chiller replacements to a new explosion proof hazardous waste processing building.



**Texas Christian University Scharbauer Hall**, Fort Worth, TX - MEP engineering design services for the new four-story, \$32 million, 60,000 SF building designed to achieve LEED Silver Certification. The overall annual energy usage of the building is expected to be reduced by an estimated 19.3% over the baseline case (41% reduction in water consumption, 33% reduction lighting energy). Designed in BIM (REVIT)



**Beth-El Congregation**, Fort Worth, TX - MEP engineering design for this 45,000 SF facility. Many specialized designs were utilized for this project such as the building of a concrete tunnel for a return air path from the sanctuary. This was done instead of using fiberglass ductwork in order to save on construction cost. BHB's team designed in accordance with the sensitive acoustical requirements for several areas of the building.



**North Texas Medical Center**, Gainesville, TX - Site/Civil and MEP engineering design for this 115,000 SF, \$16 M replacement Hospital Design included HVAC, medical gases, fire sprinkler, domestic water, sanitary sewer, hot water, lighting, power, fire detection and alarm, nurse call system, code blue and paging. Emergency power systems consisting of a diesel drive emergency generator, three automatic transfer switches and one manual transfer switch were also included.



**Grand Prairie Fire Rescue Station**, Grand Prairie, TX - Site/Civil and MEP engineering design for the new \$6 M, 20,780 SF facility designed to achieve LEED Silver Certification to house a fire station, a police department, a lake parks admin. building and a lake parks service bay building on approximately 4.3 acres. Geothermal heat pumps were used and are predicted to reduce annual energy consumption by 19%, reduce water usage by 35%, and increase ventilation rates by 30%.

## AREAS OF EXPERTISE

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**SUSTAINABLE / LEED**

Since 1992, Baird, Hampton & Brown, Inc. (BHB) has provided innovative design solutions to public and private sector clients throughout the US. We offer the momentum, resources and experienced professionals of a large firm with the flexibility, personal client service and access to the corporate leadership of a small firm. We are experienced in designing projects to meet **LEED** certification requirements as well as designing utilizing **BIM** (REVIT) software. We are also experienced in the complete renovation/upgrade of the mechanical, electrical, fire protection and plumbing systems for several highly visible historic renovation/restoration projects ranging from 50 to 120 years old. Our unique capabilities also include the ability to satisfy complicated system requirements and new technological advances and procedures such as geothermal design.

Contact Jennifer Yoder [jyoder@bhbin.com](mailto:jyoder@bhbin.com) for more information on how we can meet your needs. Please also visit our website [www.bhbin.com](http://www.bhbin.com) where you can download our overall qualifications package to see our vast experience in multiple markets.

## SERVICES

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- Sport, Recreation & Security Lighting
- Interior Lighting Systems, Daylight Harvesting
- Non-linear Load Design



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