

J. STEVE O'KELLEY, P.E.
Principal, Electrical Engineer, Mechanical Engineer

PROFESSIONAL EXPERIENCE

Mr. O'Kelley has extensive experience in the design of mechanical and electrical systems for major projects that required close integration of the mechanical and electrical systems into the architectural design. He is licensed as both a mechanical and an electrical engineer.

PROJECT EXPERIENCE

- **Tarrant County College District Downtown Campus, Fort Worth, TX** - Quality Control Manager for mechanical, electrical, plumbing, and fire protection engineering and lighting design for 13 buildings for a new 489,000 square foot education facility that will span the Trinity River. This project includes a library, auditorium and a book store. The project was designed to *LEED* Silver requirements.
- **Highland Park Library Renovations, Highland Park, TX** – Principal in Charge for electrical, plumbing, and HVAC renovations of the 5,789 square foot library built in the 1920's.
- **City of Taylor Public Library, Taylor, TX** - Quality Control Manager for mechanical, electrical, plumbing and fire protection design for a new 20,000 square foot public library, including a large meeting area to accommodate up to 200 people.
- **National Cowgirl Museum and Hall of Fame, Fort Worth, TX** - Principal In Charge for the design of mechanical, electrical, plumbing and fire protection systems for a 34,000 square foot museum that included a grand rotunda, interactive exhibits, a multi-purpose theater, a research library, a gift shop, and an exhibit restoration area. Air conditioning system design was critical to meeting the criteria for temperature, humidity, and sound levels throughout the facility. The construction cost of the project was \$7,500,000.
- **Kimbell Art Museum Expansion, Fort Worth, TX** - Quality Control Manager for mechanical, electrical, plumbing, and fire protection design for the new 96,000 square foot Kimbell Art Museum expansion. The project is expected to cost \$75,000,000.
- **Fort Worth Modern Art Museum Addition and Renovation, Fort Worth, TX** – Principal In Charge for mechanical and electrical engineering for the renovation of existing facilities and the addition of new exhibit and office space. The project required design of temperature and humidity control systems with the sensitivity to provide a safe environment for delicate works of art.
- **Sid Richardson Museum of Western Art, Fort Worth, TX** - Responsible for the design of mechanical, electrical, plumbing and fire protection systems to provide museum quality environments for the basement, gallery, gift shop and second floor Sid Richardson Foundation offices.
- **Texas Woman's University Redbud Theater, Denton, TX** - Quality Control Manager for the total renovation of existing space into a black box theater with, lobby, rehearsal space, and scene shop. The facility included a 150-seat auditorium. Construction was completed in 2007 and cost was within budget.

YEARS EXPERIENCE 46

EDUCATION

BS, Mechanical Engineering/Aeronautical Option, The University of Arkansas

Fifteen Hours of Graduate Study, Louisiana State University and the University of Arkansas Graduate Institute of Technology

REGISTRATIONS

Arizona	Arkansas
California	Colorado
Florida	Louisiana
Massachusetts	New Hampshire
New Mexico	North Carolina
Ohio	Texas
Wisconsin	New Jersey

PROFESSIONAL SOCIETIES:

Consulting Engineers Council
 National Society of Professional Engineers
 Texas Society of Professional Engineers
 Illuminating Engineering Society
 American Society of Heating Ventilating and Air Conditioning Engineers
 Society of Fire Protection Engineers
 American Society of Plumbing Engineers
 National Fire Protection Association



- **University of North Texas Performing Arts Center, Denton, TX** - Principal in Charge for mechanical, electrical, and fire protection engineering for a major new performing arts facility containing a Lyric Hall, Orchestra Hall, practice rooms, offices, and support spaces. The 68,000 square foot project was constructed at a cost of \$12,000,000. This work was performed in conjunction with a national Architect of Record and a local Design Architect.
- **Botanical Research Institute of Texas, Fort Worth, TX** - Principal in Charge for mechanical, electrical, plumbing, and fire protection design for the new 80,000 square foot home of the Botanical Research Institute of Texas. This facility consists of an archival repository, library, education classrooms and a gift shop. The facility is being designed to achieve a **LEED** Gold Rating.
- **National Archives & Records Administration, Fort Worth, TX** - Principal in Charge for mechanical, electrical, plumbing, and fire protection engineering system for a new temperature and humidity controlled storage facility of 150,000 square feet and 20,000 square feet of administrative offices. This was designed to NARA standards.
- **Tarrant Family Law Center, Fort Worth, TX** - Principal In Charge for the design of MEP and Fire Protection systems for a 259,000 square foot facility. The project included 19 courtrooms, offices for the judges', District Clerk and Domestic Relations. The center also included a secured parking and drop off area and a multi-story parking garage for 743 cars. . The work was performed in conjunction with a national Design Architect and a local Architect of Record. The cost of the project was \$48,000,000.
- **General Dynamics Technical Center (West Campus), Fort Worth, TX** - Principal in Charge of mechanical, electrical, civil, and structural engineering for a facility which included large computer rooms, individual offices conference rooms, presentation auditoriums, and specialized electronic security systems. The complex included a three-story, 550,000 square foot SCIF, a single-story 125,000 square foot SCIF and a separate 21,600 square foot kitchen/dining facility. The project included three 225 kva, one 100 kva, and one 400 kva UPS units manufactured by International Power Machines. The SCIF buildings are fully RFI and EMI shielded to 60 dB from 300 Hz to 10 GigaHz and fully meet the requirements of DIAM 50-3 for the design of secure facilities. The project cost was \$80,000,000.
- **Sensitive Compartmented Information Facility (SCIF), White Sands Missile Range, NM** – Principal In Charge of mechanical, electrical, plumbing, and fire sprinkler system engineering for a secure facility that included a computer center and radio frequency (TEMPEST) shielding. A rooftop glycol-filled evaporative condenser and a Class A Vault. A gaseous discharge fire protection system was designed for the computer areas and a wet pipe sprinkler system was used for the remainder of the facility. Electrical and telephone systems were provided with scramblers and filters for electrical isolation of the building. Radio frequency shielding *and physical security features* were incorporated into the facility. The design was performed in accordance with the requirements of DIAM 50-3, MIL HDBK 232, and special requirements of White Sands Missile Range.
- **USAR Military Intelligence Consolidated Training Facility, Camp Bullis, Fort Sam Houston, TX** – Principal In Charge for the design of mechanical, electrical, fire protection, and civil engineering for a training facility that was designed to SCIF standards.

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Association