

# SHAWN J. WEBER, P.E.

## *Project Engineer/Electrical*

Shawn joined Strickland Engineering in November 2000. Shawn is responsible for electrical engineering design and project management. Shawn has previously worked for Tri-State Armature & Electrical Works, Inc., an electrical contractor in the Memphis area, for three years (1997-2000) and MAGNUM Technologies, Inc., a systems integrator in the St. Louis area, for approximately two years (1996-1997). While at Tri-State Armature, he served as a project manager and design engineer on power distribution system and control system installation projects for several industrial and commercial clients. Also, at MAGNUM Technologies, he served as a design engineer, project manager and software programmer on PLC-based control system projects for several industrial clients.

### EDUCATION

#### **B.S. Degree in Electrical Engineering**

*University of Missouri at Rolla, Rolla, Missouri. 1995.*

### PROFESSIONAL REGISTRATION

Professional Engineer—Missouri

### PROFESSIONAL AFFILIATIONS

Member of the National Society of Professional Engineers  
Member of the Missouri Society of Professional Engineers  
Member of the American Consulting Engineers Council  
Member of the Consulting Engineers Council of Missouri  
Member of the Institute for Electrical & Electronics Engineers (IEEE)

### REPRESENTATIVE PROJECTS

#### *City of Jackson, Well House #7, Jackson, Missouri*

Design engineer for electrical and communications systems for a new remote well house water treatment facility. The design included power service to a 150 HP well pump with soft-starter drive control, power service and control to on-site treatment chemical systems, and pump control panel layout and design including local hard-wired controls and radio frequency communications system for remote monitoring and control from main water treatment facility.

#### *City of Jackson, Water Treatment Plant No. 1 High Service Pump Replacement, Jackson, Missouri*

Design engineer for electrical and communications systems for installation of three (3) new high service pumps at main water treatment facility. The design included power service to two (2) 200 HP high service pumps, with provisions for a future third pump, with variable frequency drive controls and bypass soft-starter drive controls on each pump, and pump control panel layout and design including local hard-wired controls and PLC remote I/O rack for monitoring and control from treatment facility main control room.

#### *Midamerica Hotels, Holiday Inn Express & Suites, Cape Girardeau, Missouri*

Design engineer for electrical, communications, and alarm systems for a new 4-floor hotel building. The design included a 3000 amp electric service, 35 kW emergency generator, wireless communications throughout the building, conference facilities with communications capabilities and provisions for future fiber optic installations, full-scale addressable fire alarm system, system backbone for closed-circuit video monitoring system, and power service and control for swimming pool related equipment including all required emergency control and grounding.

#### *Saxony Lutheran High School, Cape Girardeau County, Missouri*

Design engineer for electrical, communications, and alarm systems for a new high school education facility. The design included energy saving lighting systems, network communications system including fiber optic backbone, full-scale addressable fire alarm system, full-scale audio/paging system, full-scale security monitoring system, and performance quality acoustical sound system in gymnasium and chapel areas with remote system control capabilities.

## SHAWN J. WEBER, P.E. CONTINUED

### *Drury Alamo Plaza Hotel, San Antonio, Texas*

Design engineer for electrical systems for remodel of existing 24-story Alamo National Bank building to a 364 room high-rise hotel. The design included electrical service modifications to increase from a 4000 amp to 6000 amp, 480 volt electrical service, retrofit of an existing 1000 amp bus-duct riser for power distribution to the hotel rooms, addition of a 300 kW emergency generator system for backup emergency power, and power distribution system design for a 6-story hotel addition on top of the existing 7-story parking garage adjacent to building.

### *Temple Baptist Church, Jonesboro, Arkansas*

Design engineer for electrical, communications, and alarm systems for a new church facility. The design included a 1200 amp electric service, performance quality theatrical lighting system, professional quality acoustical sound system, full-scale addressable fire alarm system, and architectural site lighting to showcase the exterior features of the building.