

MARK D. STRICKLAND, P.E.

Principal/Mechanical

Mark joined Strickland Engineering in June, 1992. Mark is responsible for MPE project management, mechanical engineering design, and technical energy audits. Mark has worked on a variety of projects ranging from school design to healthcare facilities to industrial applications. Mark's focus has been on heating and air conditioning design applications and keeping them current with the new codes and requirements for proper indoor air quality.

EDUCATION

B.S. Degree in Mechanical Engineering

University of Missouri at Rolla, Rolla, Missouri. 1992.

A.S. Degree in Pre-Engineering

Hannibal-LaGrange College, Hannibal, Missouri. 1990.

PROFESSIONAL REGISTRATION

Professional Engineer, Missouri, Illinois, Arkansas, Arizona, Louisiana, New Mexico, and Texas
Certified Energy Auditor by the Missouri Department of Natural Resources, Division of Energy.

PROFESSIONAL AFFILIATIONS

Member of the National Society of Professional Engineers
Member of the Missouri Society of Professional Engineers
Member of American Consulting Engineers Council
Member of Consulting Engineers Council of Missouri
Member of American Society of Heating, Refrigeration, and Air Conditioning Engineers (ASHRAE)
Member of American Society of Plumbing Engineers
Member of Southeast Missouri Area Engineer's Club

REPRESENTATIVE PROJECTS

Career and Technology Center Annex, Cape Girardeau Public Schools, Cape Girardeau, Missouri

Project Manager/design engineer of the new 12,000 sq ft annex for the Career and Technology Center. The annex included classrooms and two shop areas (cabinet-making and industrial electric trades). Construction is scheduled to be complete in August 2007.

West Plains Schools HVAC Renovations, West Plains R-7 School District, West Plains, Missouri

Project Manager/design engineer of the replacement HVAC systems in the West Plains Elementary, Middle School, High School, Career Center, and South Fork Elementary buildings.

Saxony Lutheran High School, Fruitland, Missouri

Project manager/design engineer for the mechanical systems of this new regional high school facility. The HVAC system included an energy management system and rooftop HVAC units with integral energy recovery. This design also required a domestic water pressure boosting system due to the site utility conditions.

Americare Properties, Inc., Sikeston, Missouri

Project manager/design engineer of Americare's new construction and additions of residential care facilities, skilled nursing facilities, and Alzheimer assisted living facilities in Missouri, Kansas, and Tennessee. Design includes the building's mechanical, plumbing, and electrical systems. Design of the Alzheimer facilities includes energy recovery units, CCTV monitoring, patient wanderer monitoring, and delayed exit door locking systems.

Cape First Assembly of God Church, Cape Girardeau, Missouri

Project manager/design engineer for the renovation of an existing grocery store to a new 55,000 sq. ft. church facility. The facility included office suite, a licensed day-care, and 1200 seat worship center. The design included the replacement of all HVAC, plumbing, and electrical systems.

MARK D. STRICKLAND, P.E. CONTINUED

Doctors' Park Surgery, Inc., Cape Girardeau, Missouri

Project engineer for the facility's new additions, which includes a new endoscopy surgery suite, new staff restrooms and lounge, and new storage areas. The design includes medical gas piping, emergency power systems, new nurse call system, and proper indoor air quality. The project also includes upgrading their existing HVAC systems and emergency generator.

Cape Girardeau Public Schools, Cape Girardeau, Missouri

Project manager of the energy audit of Clippard Elementary, Jefferson Elementary, Franklin Elementary, and L. J. Shultz Seventh Grade buildings. These energy audits were the foundation to receiving DNR funding of energy related renovations and improvements. Computerized temperature control systems were a major item of the energy audits in all of the school buildings.