

# THOMAS H. STRICKLAND, P.E.

*Principal/Mechanical*

Tom established Strickland Engineering in 1979 providing consulting engineering services to educational, institutional, governmental, industrial, and commercial clients. Tom serves as the President of Strickland Engineering and is responsible for mechanical and electrical engineering design and project management. Prior to establishing Strickland Engineering, Tom was employed by Delco Remy Division of General Motors Corporation in Anderson, Indiana, for 12 years. At Delco Remy, he served as project engineer, machine design engineer, machine shop supervisor, and manufacturing supervisor.

## EDUCATION

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

*University of Missouri at Rolla, Rolla, Missouri. 1966.*

### **Graduate work toward Masters Degree in Business Administration (90% complete)**

*Ball State University, Muncie, Indiana.*

## PROFESSIONAL REGISTRATION

Professional Engineer—Indiana, Missouri, Illinois, Tennessee, Kentucky, Kansas

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 (ASPE)

Member of Southeast Missouri Area Engineer's Club

Member of National Fire Protection Association (NFPA)

Member of Building Officials and Code Administrators International, Inc. (BOCA)

## REPRESENTATIVE PROJECTS

*Immanuel Lutheran School, Perryville, Missouri*

Project manager/design engineer for this new 27,000 sq. ft. K-8 grade facility. This new school building included classrooms, office suite, library, science and computer labs, full kitchen and cafeteria.

*City of Cape Girardeau, Hanger/Manufacturing Facility, Cape Girardeau, Missouri*

Project manager/design engineer for this new aircraft hanger and manufacturing facility. The MPE design included a 480 volt overhead busway system for power to manufacturing equipment, infra-red radiant heating system, and central compressed air system.

*Duke Energy North America, Audrain Generating Station, Vandalia, Missouri*

Strickland Engineering provided the design of a 5,400 sq. ft. building to Artisan Contracting, Inc., General Contractor, for this design/build project. This building includes a shop, warehouse, central control room, offices, and restrooms.

*City of Cape Girardeau, Standby Generator System for Wastewater Treatment Plant, Cape Girardeau, Missouri*

Project manager/design engineer for a new 1000 kW standby generator system for the Cape Girardeau Wastewater Treatment Plant. This new standby system will provide 100% power backup requirements for the plant. The design includes below grade power distribution and remote monitoring at the plant office.

*Noranda Aluminum, Single Piece Anode and Increased Amperage Project, New Madrid, Missouri*

Design engineer worked with Noranda Aluminum's engineering staff to develop scope and schematic design of eight separate support areas to be included in their current plant expansion. These areas included new facilities and renovations of existing facilities. Construction documents were then developed for Noranda's Construction Manager, J. S. Alberici, to solicit bids for construction.

## THOMAS H. STRICKLAND, P.E. CONTINUED

### *Advance R-IV School District, New Junior and Senior High School, Advance, Missouri*

Project manager/design engineer for the relocation of the district's Junior and Senior High Schools to a new school campus. The new school included a new tournament gymnasium, vo-ag shop, library, science and computer labs, band and music classrooms, and home economics classroom.

### *Nell Holcomb R-IV School District, Cape Girardeau, Missouri*

Project manager/design engineer for three separate building and renovation projects—Nell Holcomb School Renovations, New Junior High School, and Gymnasium Roof and HVAC replacement. The building renovation project included upgrades to the entire facility and asbestos abatement. The new Junior High School building project was a new 12,000 sq. ft. pre-engineered metal building. The gymnasium roof and HVAC replacement project included the addition of two 15-ton custom rooftop air conditioners and the installation of a new single membrane rubber roofing system.