

Lane Nichols
Associate

Georgia Institute of Technology – Atlanta, GA
M.S. Electrical Engineering
B.S. Electrical Engineering
Registered Professional Engineer

QUALIFICATIONS

Lane is a Senior Electrical Engineer with over 20 years experience in power, lighting, life safety and communications system design for commercial and industrial buildings. Licensed in Alabama, Florida, Georgia, North Carolina and Pennsylvania, he is able to lend his expertise on many projects. Lane also has over 10 years experience in the design and manufacturing of ventilation and humidity control equipment in buildings for poultry and pig growout.

EXPERIENCE OVERVIEW

VAUGHN, COLTRANE, PHARR & ASSOCIATES, (Since 2004). Senior Electrical Engineer responsible for the design and renovation of new/existing process equipment and buildings. Produces and designs drawings, performs coordination studies, as well as, writing specifications for each project. Projects have included:

Wayne Farms, Decatur, AL. A new 270,000 sq. ft. facility.

Tyson Foods, Gadsden, AL. Process Upgrade. Provided power and control design for major process renovation and upgrade. All change over work had to be done in 1 week plant shut down. Project cost estimate \$2,500,000.

Koch Foods, Morristown, TN. Provided the power, lighting, grounding and controls design for a 60,000 sq. ft. grass roots poultry deboning plant. The facility is state-of-the-art for a sanitary food processing facility. Project cost is estimated to be \$18,000,000.

Crider Farms, Stillmore, GA. Renovation of existing 120,000 sq. ft. facility.

Koch Foods, Morristown, TN. New 150,000 sq. ft. cook plant facility.

Veterans Hospital Renovation, Atlanta, GA. Provided the renovation lighting, power, paging, telephone, life safety design, and construction management for the renovation of the 4th and 5th floors of the Veterans Hospital in Atlanta. The project was divided into 3 phases, each phase estimated to be \$8,000,000.

Veterans Hospital Renovation, Dublin, GA. Provided the renovation lighting, power, paging, telephone, and life safety design for the conversion of offices to clinic and patient examination rooms. The project cost was approximately \$3,000,000.

Gold Kist, Inc., Live Oak, FL. 170,000 sq. ft. tray pack processing facility.

New South Dekalb Hospital, Atlanta, GA. Provided the Nurses Call System, power, paging, fire alarms and life safety design for the new 300 bed hospital. The project included MRI, X-Ray diagnostic and laboratories to support the 5 story facility. Estimated project cost \$80,000,000.

OTHER EXPERIENCE

ENGINEERING DESIGN TECHNOLOGIES, INC., Atlanta, GA. Senior Electrical Engineer.

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Had design responsibility for the electrical system design of new and renovation process equipment and buildings. Produced design drawings, performed coordination studies and wrote specifications for each project.

Pope Air Force Base, NC. 120,000 sq. ft. new dormitory, power, lighting and communications.

Pope Air Force Base, NC. 30,000 sq. ft. fire station, power, lighting and communications.

Pope Air Force Base, NC. Army Parachute Team Headquarters; 30,000 sq. ft.

Various doctors offices in Roswell, GA. 30,000 sq. ft. power, lighting, and communications.

Veterans Hospital, Dublin, GA. 25,000 sq. ft. outpatient facility expansion, power, lighting and communications.

Kennesaw State University, Kennesaw, GA. 120,000 sq. ft. English building addition, power, lighting and communications.

New Alpharette for 120,000 sq. ft. library in Fulton County, GA.

THOMPSON COMPANY, Atlanta, GA. Senior Electrical Engineer. Had design responsibility for the electrical system design of new and renovated process equipment and buildings. Produced design drawings, performed coordination studies and wrote specifications for each project.

Golden Moon casino and Resort, Jackson, MS. Power, lighting and communication systems.

Georgia World Congress Center, Atlanta, GA. Phase 4 addition. Power, lighting, and communication systems.

LA Fitness Centers, Atlanta, GA. Various Locations. New and conversion buildings for power, lighting and communication systems.

Air Force Base, Baton Rouge, LA. B-52 Refueling hanger. Power, lighting, and communication systems.

TYCO ELECTRONICS (AMP INCORPORATED), Harrisburg, PA. Group Senior Electrical Engineer. Had design responsibility for the electrical system design for automated power control and electrical system integration. Produced design drawings, performed coordination studies and wrote specifications for each project.

Provided individual design, control program and installation of power and lighting control systems in approximately 25 buildings throughout the United States of America.

NATIONAL HOME BUILDERS ASSOCIATION (NAHB), Upper Marlboro, ND. Group Senior Electrical Engineer. Represented the NAHB on National Electrical Code Panel #2. Represented the NAHB on Canadian Electrical Code Panel.

A.T. NEWELL CO. Birmingham, AL. Designed various products used for controlling temperature in growing facilities.

SQUARE D COMPANY, Pinellas Park, FL. Engineering Manager or Product Development. Had design responsibility for the electrical

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system design for automated power control and electrical system integration. Produced design drawing, performed coordination studies and wrote specifications for each project.

Served as expert consultant to *Underwriters Laboratories* on ground fault systems.

SQUARE D COMPANY Leeds, AL. Manager of Electrical Utility Products and Test Laboratory. Produced design drawing, performed coordination studies and wrote specifications for each project.

REGISTRATIONS

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