

### Professional Summary:

Scott has extensive experience in both design and installation of electrical systems in a wide variety of facilities and buildings. Scott most recently worked simultaneously as an owner/operator of both an electrical engineering company and electrical contracting company in Colorado. Projects included new and remodel electrical design and/or installation in hospitals, colleges, schools, county/city facilities (jails, courts, maintenance buildings, water and wastewater plants, offices), state maintenance facilities, federal testing facility, and many types of commercial, industrial, and residential buildings. His background also includes design and engineering support for field operations experience with petroleum pipeline facilities in the Gulf of Mexico, California, Texas, Louisiana, and Mississippi.

### Area of Expertise:

#### Design, installation, and troubleshooting:

- Switchgear, Motor Control Centers, Electrical Service Gear and Metering Equipment
- Panelboards, load centers, circuit breakers
- Transformers
- Service laterals, feeders, branch wiring
- Motor Controllers, Variable Frequency Drives, Programmable Logic Controllers
- Starters, Contactors, Relays
- Lighting Fixtures, Lighting Controls
- Athletic Field Lighting and Controls
- Generators, Uninterruptable Power Supplies, Inverters
- Elevator Equipment and Connection
- Motors, Equipment Connections & Controls
- Solar Systems, Charging Stations, Inverters
- Fire Alarm Systems
- Calculations: fault calculations, load calculations, voltage drop, and circuit/wire sizing

### Licenses and Certifications:

Professional Engineer, State of California, License #E 13667

Professional Engineer, State of Colorado, License #30677

Master Electrician, State of Colorado, License #25098

Professional Engineer, State of Wyoming, License #PE19617

Professional Engineer, State of Utah, License #13368239-2202

Professional Engineer, State of New Mexico, License #28883

Professional Engineer, State of Arizona, License #79457

### Project Experience:

#### **JSH and Associates**

##### **Electrical Design – School Stadium**

Project included electrical design for stadium facilities (press box, locker rooms, ticket booth, concessions, and maintenance building). Specifically, design/specifications for field lighting and controls, emergency power (generator, transfer switch), fire alarm electrical service equipment, power and lighting distribution, interior and exterior lighting and controls.

#### **JSH and Associates**

##### **Electrical Design – Golf Course Clubhouse**

Design and specifications for a new facility. Included electrical service equipment, panelboards, lighting fixtures and controls, golf cart charging circuits, branch wiring, and fire alarm system.

#### **Hilltop Electric, Inc**

##### **Electrical Installation – New Elementary School**

Electrical contractor responsible for installation of electrical systems for school. Included service equipment, panelboards, transformers, lighting fixtures, generator, feeders and laterals, and branch wiring.

### Professional Experience:

EFI Global, Denver, Colorado, Forensic Electrical Engineer, 2023 to Present

JSH and Associates, Parker, Colorado, Owner/Principal, 1995 to Present

Hilltop Electric Inc., Parker, Colorado, President, 1995 to 2022

Shell Pipeline Corporation, New Orleans, Louisiana, Technical Supervisor, 1992 to 1995

Shell Pipeline Corporation, Houston, Texas, Electrical Engineer, 1991 to 1992

Shell Pipeline Corporation, Anaheim, California, Field Engineer, 1988 to 1991

Shell Pipeline Corporation, Houston, Texas, Electrical Engineer, 1986 to 1988

### Specialized Education:

2020 Wiring Methods and Material, On-Line, 2019, 8 hours (tested)

2020 NEC Changes Part 1, Articles 90-455, On-Line, 2019, 8 hours (tested)

2020 NEC Changes Part 2, Articles 500-820, On-Line, 2019, 8 hours (tested)

Grounding and Bonding, On-Line, 2017, 8 hours (tested)

### Education:

Bachelor of Science, Electrical Engineering, Colorado School of Mines, Golden, Colorado, 1986

### Honors and Awards:

Academic Dean's List, Colorado School of Mines, 1986