



Frank H. Young, PE, CFEI, LC, LEED AP



Frank Young has been providing hands on electrical engineering consulting services throughout the United States and internationally since 1993. His diverse background in electrical construction in multiple market sectors – healthcare, commercial, retail, industrial, science and technology, and mission critical – allows him to give invaluable electrical expertise for the insurance and legal industries. Mr. Young’s expertise in power distribution systems, and code compliance for these systems, includes but is not limited to, electrical service infrastructure (high, medium and low voltage), normal & emergency power (generators & UPS) systems, photovoltaic (Solar) power systems, lighting (interior & exterior) systems, fire alarm systems, and low voltage (data/telephone) systems.

Mr. Young provides electrical equipment failure analysis for insurance and legal clients throughout the United States and internationally. Through extensive site investigations and destructive lab examinations, along with appropriate component testing, his expert reports highlight these activities and the facts of the case. He also provides expert damage assessments due to flood, fire, wind, earthquake, and explosions and determines the means of restoration that is compliant with current governing codes.

Mr. Young has provided expert services in litigation cases involving property damage, product liability, and construction defects. His analyses for these cases have included determining if electrical components within pieces of equipment or systems were related to the initiation of fires, electrical shocks or electrocutions and determining deficiencies in electrical construction projects.

EDUCATION

Bachelor of Electrical Engineering, Georgia Institute of Technology, 1993

PROFESSIONAL LICENSES AND CERTIFICATIONS

Mr. Young is a licensed professional electrical engineer in all 50 states, and the District of Columbia.

Alabama	28983	Maine	13970	Rhode Island	13657
Alaska	171282	Maryland	44636	South Carolina	23037
Arizona	60207	Massachusetts	50953	South Dakota	11866
Arkansas	16384	Michigan	6201060354	Tennessee	109035
California	E20372	Minnesota	58491	Texas	115098
Colorado	45080	Mississippi	19694	Utah	8602265-2202
Connecticut	30148	Missouri	PE-2013035731	Vermont	PE18.0134768
Delaware	19220	Montana	38915	Washington	50975
Florida	60648	Nevada	22443	West Virginia	24543
Georgia	27846	New Jersey	GE51072	Wisconsin	44523
Hawaii	16697	New Mexico	23247	Wyoming	13986
Idaho	15600	New York	93300		
Illinois	67392	North Carolina	033445		
Indiana	PE11500261	North Dakota	PE-28823	Washington, DC	PE908108
Iowa	22498	Ohio	71973		
Kansas	24206	Oklahoma	26417		
Kentucky	31120	Oregon	88589PE		
Louisiana	38768	Pennsylvania	PE081678		



PROFESSIONAL LICENSES AND CERTIFICATIONS, continued

- Certified Fire and Explosion Investigator (CFEI) – National Association of Fire Investigators (NAFI)
- Certified Level 1 Infrared Thermographer – Infrared Training Center (ITC)
- Certified Lighting Professional (LC) – National Council on Qualifications for the Lighting Professions (NCQLP)
- LEED Accredited Professional (LEED AP) – U.S. Green Building Council (USGBC)

PROFESSIONAL WORK HISTORY

- Principal, *Pinnacle Forensics*, Centennial, CO, 2021 to Present
- Senior Engineer II, *J.S. Held, LLC*, Greenwood Village, CO, 2019 to 2021
- Project Engineer, *AEI Corporation*, Littleton, CO, 2018 to 2019
- Resource Manager – Electrical Consulting, *Madsen Kneppers & Associates*, Greenwood Village, CO, 2013 to 2018
- Principal, *Caveo Consulting Engineers*, Englewood, CO, 2011 - 2013
- Team Leader / Project Manager, *PerryCrabb, Inc.*, Atlanta, GA, 2003 to 2011
- Assistant Studio Head/ Lead Electrical Engineer, *Barrett Woodyard & Associates Inc.*, Norcross, GA, 1994-2003
- Electrical Designer, *Electrical Design Consultants*, Augusta, GA, 1993 to 1994

PROFESSIONAL AFFILIATIONS

- National Association of Fire Investigators (NAFI)
- National Fire Protection Association (NFPA)
- Institute of Electrical and Electronic Engineers (IEEE)
- International Electrical Testing Association (NETA)
- Member of UL's Technical Committees (TC's)
 - UL5 – Raceways & Fittings
 - UL6 – Metal Conduit and Tubing
 - UL50 – Enclosures for Electrical Equipment
 - UL96 – Lightning Protection Components
 - UL844 – Hazardous Location Luminaires
 - UL935 – Ballasts and Fluorescent Lamp Starters
 - UL1203 – Electrical Equipment for Hazardous Locations
 - UL1004-1 – Electrical Motors
 - UL60079 – Electrical Equipment for Hazardous (Classified) Locations

SPECIALIZED SKILLS

- Electrical Power Distribution Systems
- Emergency & Backup Generator Systems
- Uninterruptible Power Systems (UPS)
- Lighting Systems
- Fire Alarm Systems
- Electrical Expert Testimony
- Electrical Code Compliance
- Electrical Systems Failure Analysis
- Fire Causation Investigations
- Electrical Construction Defect Assessments
- Electrical Systems Damage Assessments
- Infrared Thermography
- Electric Shock/Electrocution Cases
- Renewable Power Systems



CASE HISTORY

CMI Integrated Technologies, Inc. v. Xzeres Corporation, Case #2:15-cv-00805-RGK-FFM

Court: United States Court, Central District of California

Date: February 19, 2016

Client: Plaintiff

Activity: Deposition

CMI Integrated Technologies, Inc. v. Xzeres Corporation, Case #2:15-cv-00805-RGK-FFM

Court: United States Court, Central District of California

Date: February 25, 2016

Client: Plaintiff

Activity: Trial

One Queensridge Place Homeowners Association v. Perini Building Company, Case #A-12-661825-D

Court: District Court, Clark County Nevada

Date: August 9, 2016

Client: Defendant

Activity: Deposition

Lawrence Turcotte v. State Farm Fire and Casualty Company, Case #2018 CV 030205

Court: District Court, Larimer County Colorado

Date: February 7, 2019

Client: Defendant

Activity: Deposition