

Raymond D. Arms, P.E.
Mechanical/Electrical Engineer
Augsburger Komm Engineering, Inc.
& BTI Consultants
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EDUCATION

B.S., Electrical Engineering (B.S.E.E.)
University of Illinois (at Urbana), 1966

PRINCIPAL AREAS OF RESEARCH, TEACHING OR CONSULTING

Primary Areas of Consultation are Mechanical and Electrical engineering, including water loss, gas and fire science. Failure Analysis, Forensic Engineering, Fire Science, Heating, ventilating and air conditioning systems, electrical power systems, compliance of electrical and mechanical components and systems and plumbing systems and components relative to design and failure analysis, vehicle and vessel investigations, gas fires and explosions, engineering assistance in fire investigations and heavy equipment failures. Product liability and property loss investigations.

PROFESSIONAL REGISTRATION

Registered Professional Engineer in states of Alabama (12898)
Florida (14783)
Georgia (12031)
Kentucky (08156)
Mississippi (08912),
Tennessee (01658),
California (14368).
State of Alabama Electrical Contractor, (018874)

PROFESSIONAL AFFILIATIONS

Building Official, Eufaula, AL
National Fire Protection Association (NFPA)
American Society of Heating Refrigerating and Air-Conditioning Engineers, Inc. (ASHRAE)
Southern Building Code Congress International (SBCCI)
Illumination Engineering Society (IES)
International Association of Arson Investigators (IAAI)
American Boat and Yacht Council (ABYC)
Certified Fire and Explosion Investigator (CFEI/CVFI)
Society of Automotive Engineers (SAE)

EXPERIENCE

- 2009- Augspurger Komm Engineering, Inc. & BTI Consultants, Tempe Arizona
Mechanical and Electrical Engineering failure analysis and expert witness services.
- 1995- Professional Engineering Services, LLC
Consulting Mechanical/Electrical Engineering
Areas of consultation included expert witness, failure analysis, product defects, life safety, gas fires and explosions, mechanical and electrical system failures, fire science, design and construction evaluations and code compliance analysis.
- 1991-1995 CH&A Corporation
Kingwood, Texas
Senior Mechanical/Electrical Consulting Engineer
Areas of interest include mechanical and Electrical system failures, HVAC Systems, electrocutions, product and property claims, Liability claims, (LP and Natural Gas), architect/engineer errors and omission claims, surety and bonding claims, electrical power systems, complex communications systems and related equipment.
- 1979-1991 Arms & Associates Inc.
Eufaula, AL
Principal/Consulting Engineer/contractor
Mechanical/electrical contractor and consulting engineer including design and installation of commercial and industrial mechanical and electrical systems.
Failure and Forensic engineering on Electrical/Mechanic failures.
- 1973-1979 Arms, Incorporated of Melbourne
Melbourne, FL
Principal/Consulting Engineer/contractor
Mechanical/electrical contractor and consulting engineer including design and installation of commercial and industrial mechanical and electrical systems.
- 1967-1973 Harris Corporation
Melbourne, FL
Lead Engineer/Field Site Manager
Performance design and construction duties of large integrated, complex classified communications systems including antennas, structures, computer systems and electronic equipment.

PROFESSIONAL SUMMARY

Bachelor of Science in Electrical Engineering, University of Illinois.

Registered Professional Engineer, Haz Mat Certified.

Owner/Operator of a mechanical /electrical consulting and construction company.

Record of successful performances in design of various electrical, mechanical, sprinkler and HVAC systems for industrial and commercial buildings, churches, hospitals, etc.

Contributing Editor for Residential & Light Commercial Standards.