

J. RONALD SALLING, P.E.
Forensic Mechanical Engineer
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PROFESSIONAL SUMMARY:

- * **Board Certified in Mechanical Engineering**
- * **Bachelor of Mechanical Engineering**
- * **Graduate Study in Mechanical Engineering**
- * **Graduate Study in Structural Engineering**
- * **Accident Investigation, Northwestern University**
- * **Accident Reconstruction, Northwestern University**
- * **Registered Professional Engineer**
- * **Board Certified Mechanical Engineer**
- * **General Manager of Manufacturing/Construction Company**
- * **Member of Governor's Advisory Board on Boilers and Pressure Vessels**
- * **Chairman of State Section of American Welding Society**

AREAS OF EXPERTISE:

Vehicle accident reconstruction; low speed impact analysis; fire cause & origin investigations; fire suppressant system analysis; mechanical system evaluation and failure analysis; material failure analysis; railroad accidents; railroad and construction equipment evaluation; slip and fall accidents; air conditioning system evaluation; plumbing system evaluation; boiler and pressure vessel analysis, nuclear plant component evaluation and industrial plant accidents.

RANGE OF EXPERIENCE:

Investigated (over 8000) cases throughout the United States, Mexico, St. Croix in the Virgin Islands, Grand Cayman, Cayman Brac and the Republic of Mauritius. Testified in Court in 26 States as well as Federal Courts and British Courts.

PROFESSIONAL EXPERIENCE:

SALLING & ASSOCIATES, INC.

Port St. Lucie and Hallandale Beach, Florida: Principal Engineer - Manages a diversified forensic engineering company licensed as an engineering business in State of Florida. Specializes in mechanical engineering, slip and fall accidents, accident reconstruction and low speed impact analysis.

EFI/CH&A CORPORATION

Norcross, Georgia: Forensic Mechanical Engineer Areas of specialty included major vehicle accident reconstruction, low speed impact analysis, vehicle defect evaluation, large truck accident investigation, railroad accident investigation, industrial accidents, construction site accidents, boiler and pressure vessel accidents and construction crane accidents.

METROPOLITAN ATLANTA RAPID TRANSIT AUTHORITY

Atlanta, Georgia: Senior Staff in Program Control - Responsible for a wide variety of projects including new facility construction, existing facility maintenance and facility modifications.

DAVIDSON-KENNEDY COMPANY

Atlanta, Georgia: General Manager - Complete operating responsibility for a company founded in 1908, which manufactured pressure vessels, metal stairs, platforms, handrails, vegetable oil machinery, material handling equipment, and railroad machinery.

AFCO STEEL COMPANY

Little Rock, Arkansas: Mechanical Division Manager - Responsible for the design engineering and manufacturing of pressure vessels, storage tanks, stairs, platforms, as well as material handling equipment for the agricultural, paper mill, and railroad industries.

ANDERSON ELECTRIC CORPORATION

Leeds, Alabama: New Product Development Engineer - Received a patent on electrical transmission line suspension clamp.

ARO INCORPORATED

Tullahoma, Tennessee: Stress Analysis Engineer - Responsible for evaluating structural integrity of pressure vessels, piping and aerodynamic models to be used in U.S. Air Force wind tunnel facilities.

FORD MOTOR COMPANY

Hapeville, Georgia: Process Engineer - Responsible for design and implementation of processes utilized in assembly of vehicles.

COMBUSTION ENGINEERING COMPANY

Chattanooga, Tennessee: Analytical Design Engineer - Responsible for design of boilers, pressure vessels, nuclear reactors and other pressure containing components.

COMBUSTION ENGINEERING COMPANY

Chattanooga, Tennessee: Co-op Student - Worked in six manufacturing facilities, learning the fundamentals of drafting, welding, machining, and steel fabrication.

EDUCATION:

**B.M.E., Mechanical Engineering, Georgia Institute of Technology
Graduate Study, Mechanical Engineering, University of Tennessee
Graduate Study, Structural Engineering, University of Arkansas
Accident Investigation, Northwestern University
Accident Reconstruction, Northwestern University
Analysis of Low Speed Collisions, Texas A&M University
Fundamentals of Low Speed Impacts, University of California
Computerized Accident Reconstruction, McHenry Seminar, Cary, NC
Biomechanics, University of California**

INVENTIONS:

Transmission Line Cable Clamp - Patent 3784137

An elongate tapered clamp body is designed to flex under load in such a manner as to provide an arcuate support of large radius for a suspended cable. A pair of U-bolts clamps the cable between the clamp body and an upper keeper.

REGISTRATIONS:

**Registered Professional Engineer in Georgia, Arkansas and Florida
Certified by the National Council of Examiners for Engineers**

PROFESSIONAL MEMBERSHIPS:

**American Society of Mechanical Engineers
Society of Automotive Engineers
National Association of Professional Accident Reconstruction Specialists
International Association of Arson Investigators
Accident Reconstruction Communications Network**

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