



**RANDAL L. EXLEY, B.S.C.E., P.E.**  
PROFESSIONAL BIOGRAPHICAL OUTLINE

**EDUCATION**

- B. S. (Civil Engineering) University of Pittsburgh Graduated Cum Laude, April 1983
- Certificate, Architectural Drafting, A.W. Beattie Technical School, June 1978

**PROFESSIONAL EXPERIENCE**

**2002 – Present | ARCCA, Incorporated | Civil/Structural Engineering Consultant**

- Forensic investigations and reports including, but not limited to:
  - Basement water intrusion and mold claims
  - Foundation and retaining wall distress and failures
  - Foundation settlement
  - Floor and roof framing distress and excessive deflection
  - Ceramic tile failures
  - Brick, masonry and concrete structural distress
  - Conventional residential and commercial construction deficiencies
  - Log home construction deficiencies
  - Decks, walkways, wood fire escape failures
  - Railings and handrail collapses
  - Vehicle impact damage evaluations
  - Wind damage claims
  - Hail damage claims
  - Roof collapse claims due to snow and/or ponding water
  - Evaluations of fire damaged structures to determine salvageability
  - Roof ventilation and attic mold claims
  - Evaluations of damages due to water main breaks, explosions, blasting and construction vibrations
  - Wood roof truss collapses
  - Concrete driveway and sidewalk cracking, spalling, etc.
  - Code compliance issues for decks, porches, ramps, stairs, railings, handrails, etc. for personal injury claims
- Expert witness testimony (Consult ARCCA for current trial list)

**1994 – Present | R.L. Exley Consulting (1994 to March 2008), Capstone Structural Engineering & Consulting P.C. | Civil/ Structural Engineering Consultant**

- Residential structural inspections and design work
- Residential site improvement and grading plans
- Light and heavy industrial projects
- Light commercial projects



### **2000 – 2002 | Salvucci Engineers, Inc. | Civil Section Manager**

- Managing a 16-person engineering/drafting group
- Analysis and design of structural steel and foundations for manufacturing facilities
- Water and sewage treatment facilities
- Reviewing all in-house structural engineering
- Proposal writing
- Project coordination and administration
- Business development and marketing

### **1993 – 2000 | Chemtech Consultants, Inc. | Senior Design Engineer/Civil/Structural Dept. Manager**

- Managing a 6-person structural engineering/drafting group
- Analysis and design of structural steel and foundations for chemical and petroleum plants, rail loading facilities, tank farms and coke batteries
- Failure analysis and repair cost estimates for insurance claims
- Reviewing all in-house structural engineering

### **1984 – 1993 | Centerline Engineering Corporation | Senior Civil Project Engineer**

- Analysis and design of structural steel and foundations for hot strip and seamless tube mills, steel and aluminum casting facilities, crane runway structures, coke plant facilities, water treatment facilities
- In house and on site engineering coordination
- Construction coordination
- Performing inspections
- Writing specifications
- Contract administration
- Cost estimating

### **1978 – 1984 | Noker Engineering, Inc. | Civil Engineer**

- Checking of design and detail drawings
- Structural analysis and design
- Project coordination and supervision; projects consisted of material handling and preparation facilities for the coal industry

### **1978 – 1983 | Draftsman**

- Preparation of design and detail drawings including, building and equipment foundations, structural steel, equipment arrangements, chutework and piping

## **PROFESSIONAL REGISTRATION**

- Registered Professional Engineer in PA, OH, AL, MD, SC, WV, NY, NJ
- Registered Structural Engineer IL - required passage of 16-hour NCEES Structural Exam