



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