

**ENGINEER: STRUCTURAL, CIVIL**

**NED FORTENBERRY, P.E.**  
Engineering Design & Testing Corp.  
Post Office Box 610406  
Birmingham, AL 35261-0406  
Telephone: (205) 838-1040  
Email: nfortenberry@edtengineers.com

**EDUCATION:**

1970 Bachelor of Science in Civil Engineering  
Mississippi State University

**EXPERIENCE:**

May 2004 **Engineering Design & Testing Corp.**  
to Present **Birmingham, Alabama**

Consulting Engineer. Consulting in the area of structural engineering for commercial, industrial and residential structures, including cause and origin of collapsed structures, wind, flood, and settlement damage, construction losses, analysis of costs to repair or replace and evaluation and analysis of construction disputes.

May 2002 **Alstom Power Inc.**  
to May 2004 **Chattanooga, Tennessee**

Project Engineer/Structural Specialist. Monitored structural design, reviewed structural calculations, and coordinated multi-disciplined engineering drawing and documentation release for several TVA projects for the addition of synthetic catalytic reduction systems to existing coal fired boilers.

October 1977 **Washington Group International**  
to March 2002 (formerly Raytheon Engineering & Const, formerly Rust Engineering)  
**Birmingham, Alabama**

Structural Design Engineer/Structural Design Leader/Project Engineer/Project Engineering Manager. Projects included fiber optics plants, paper machines, boilers, recycle fiber facilities, paper roll handling facilities, bleach plants, an extruded pipe mill, and resource recovery facilities.

Served as a Project Engineering Manager/Project Engineer on eight major projects with total installed costs ranging from \$50-460 million. Project responsibility included management of specific project related

May 2011

design engineering, including architectural, structural, civil, process, piping, mechanical, and electrical; coordination of procurement activities including inquiries, bid evaluations, vendor negotiations and purchasing, expediting, and material management; coordination of scheduling, cost development and forecasting; management of scope of work, change orders, and workforce requirements.

Served as Structural Design on four major projects and Area Structural Design Leader on four additional projects. Structural responsibility included: technical responsibility and overall supervision to a structural design group; structural design; Professional Engineer stamp sealing of design drawings.

August 1975  
to October 1977

**Ford Bacon & Davis Construction Company  
Monroe, Louisiana**

Structural Engineer. Provided design load parameters and coordinated structural steel building design for a paper machine building. Also designed equipment foundations and wrote civil and structural material and installation specifications for the same facility.

August 1973  
to August 1975

**Rust Engineering Company  
Birmingham, Alabama**

Structural Design Engineer. Design, checking of structural design calculations, and checking drawings for steel framed buildings and building foundations at a paper mill facility. Design of a multistory, rigid frame, steel building with elevated concrete floors for a chemical facility. Checked design of a steel framed building and building foundations for a three-strand billet continuous casting facility located. Design of elevated steel floor framing for a recovery boiler at a paper mill.

September 1970  
to August 1973

**United Gas Pipeline Company  
Shreveport, Louisiana**

Engineer – Pipeline Design Section. Generated compliance records and testing procedures on allowable operating pressures for large diameter high pressure, natural gas transmission pipelines according to physical properties of pipe and fittings, previous testing history, and population density in proximity of pipelines in accordance with D.O.T. regulations.

Design and issuance of drawings and procedures for relocation of underground, large diameter, high pressure, natural gas transmission

lines due to new interstate construction. Design, checking, and issuance of design drawings for natural gas metering facilities for installation on offshore (Gulf of Mexico) production platforms.

January 1966  
to December 1969  
(intermittent)

**Republic Steel Corporation  
Gadsden, Alabama**

Cooperative Education Trainee. During alternate work semesters, worked with field engineering survey team, combustion engineering department, estimating department, and cost control department.

**REGISTRATIONS & CERTIFICATIONS:**

Registered Professional Engineer in Alabama (#10873)  
Registered Professional Engineer in Florida (#35121)  
Registered Professional Engineer in Massachusetts (#31391)  
Registered Professional Engineer in Mississippi (#16459)  
Registered Professional Engineer in Tennessee (#109644)  
Registered Professional Engineer in Georgia (#029933)  
Registered Professional Engineer in Kansas (#18256)  
Registered Professional Engineer in Louisiana (#33016)  
Registered Professional Engineer in Arkansas (#13444)  
Registered Professional Engineer in Connecticut (#PEN.0028207)  
National Council of Examiners for Engineering and Surveying  
(Record No. 25498)  
Confined Space Entry

**CONTINUING EDUCATION:**

August 1995      *Fiber Reinforced Concrete* – Nycon Inc. at Rust International, Birmingham, Alabama

October 1995      *Design of Concrete Floor Slabs on Grade* – Rust International, Birmingham, Alabama

October 1996      *Industrial Building Design/Light Gage Design* – Dr. James M. Fisher, Raytheon Engineering & Construction, Birmingham, Alabama

October 1996      *Design Consideration for Low Rise Building* – Dr. James M. Fisher, Raytheon Engineering & Construction, Birmingham, Alabama

November 1998      *Design of Tubular Structures* – Dr. D. R. Shegman, Raytheon Engineering & Construction, Birmingham, Alabama

November 1999      *Reinforced Masonry Design Seminar* – James E. Amrhein,

- Raytheon Engineering & Construction, Birmingham, Alabama
- October 2001      *Helical Pier Foundation Systems* – Foundation Technologies, Inc.,  
Washington Group International, Birmingham, Alabama
- November 2001      *Steel Fiber Reinforced Concrete Part I* – SI Concrete Systems,  
Washington Group International, Birmingham, Alabama
- July 2004      *Structural Condition Assessment Seminar* – American Society of Civil  
Engineers, Manchester, New Hampshire
- February 2005      *An Introduction to Infrared Thermography* – Scott S. Cramer  
*Variations between the Florida Building Code and the International  
Building Code* – Tammy St. Clair  
*Windows: Performance and Testing* – Jack McCaskill  
Engineering Design & Testing Corp., Asheville, North Carolina
- February 2006      *Specifying and Designing with Steel Joists and Joists Girders* –  
Steel Joist Institute, Birmingham, Alabama
- May 2006      *Hurricane Damage Evaluation Procedures*  
Engineering Design & Testing Corp., Charlotte, North Carolina
- September 2006      *Blasting in Construction* – BlasTech, Cherokee, North Carolina
- March 2007      *Designing with Concrete Masonry* – Structural Engineers Association,  
Birmingham, Alabama
- February 2008      *Damage Assessment: Electronic Theodolite Applications* – Dr. David  
Hanks, Engineering Design & Testing Corp., Memphis, Tennessee
- February 2009      *Start to Finish: The Role of the Engineer in a Case* – Brian Mosholder  
of Carpenter, Ingram & Mosholder, LLP, Birmingham, Alabama
- February 2010      *Basement Foundation Walls* – Tammy St. Clair, Engineering Design  
& Testing Corp., Columbia, South Carolina
- October 2010      *Rooftop Quality Assurance* – RCI, Inc., Orlando, Florida

**PROFESSIONAL ORGANIZATIONS:**

American Society of Civil Engineers