

Brief Resume

7/2013

WILLIAM EARLE RETTEW, II, PE, Structural Engineer

Personal

Born: August 3, 1946 Greensboro, NC

HIGH SCHOOL: Wade Hampton High School (Greenville, SC) 1964

Military: US NAVY (1967-1971), Submarines, Radioman, Top Secret-Crypto Clearance; Citations for three separate overseas deployments (Patrols); Leading Radioman (TAD-1971) USS Grampus SS-523
Honorable Discharge 1971.

College: Clemson University (1964-1967, 1972-1973) BSCE 1973

Married: Deborah Balentine Rettew April 19, 1974

Dependents at home: six (5 impaired adults- 1 special needs minor).

Faith: Christian, March 1, 1982

1999 South Carolina Father of the year- Attorney General Charlie Condon

Professional:

Piedmont Engineers Architect and Planners (Greenville, SC) 1973-1979 - Structural Engineer
Responsibilities included design, drafting, specification writing of structural systems including steel and concrete with some wood structures. Design approach: project teams with each design professional responsible for co-ordination with other disciplines. Clients included: Tenneco, Baxter Labs, Weyerhaeuser, Milliken Co., JP Stephens, Collins & Aikman, US Navfac Charleston, SC.

Lockwood Greene Engineers and Architects (Spartanburg, SC) 1979-1980 – Structural Engineer/Asst.
Group leader. Responsibilities included design of heavy structural systems of steel, and supervision of draftsmen. Design approach: project teams for large projects, each group leader responsible for co-ord with other disciplines. Clients included: Michelin Tire, Rockwell Automotive Parts.

American Monorail (Simpsonville, SC) 1980 - Structural Engineer, supervision of draftsmen.
Responsibilities included design of cranes and monorails to be supported by structural systems designed by others. Design approach: each designer responsible for design and drafting of each order, very unstructured. Clients included: US Air, NASA, Boeing Aircraft, textile plants.

W.E. Gilbert & Associates (Greenville, SC & Greenwood, SC) 1980-1982 - Department Head Structural Group/Structural Engineer responsible for all structural design activities. Design of structural systems consisting of steel and concrete. Design approach project teams with each design professional responsible for co-ordination with other disciplines. Clients included: Cincinnati Milacron, Greenwood County School District, RJ Reynolds (Archer), Ecusta Paper Mill, Greenville Technical College.

Rettew Engineering Co. (Greenville, SC) March 2, 1983 – present Owner, structural engineer during transition in our profession from manual drafting to CAD drafting. Supervised five employees until CAD implemented, then downsized (during recession) to sole employee during a recession in 1991. All other employees were able to transition to other jobs without any layoffs. Design and cad drafting of all structural projects with select Architects, General Contractors, Insurance Companies, and Attorneys. Projects include structural steel framing, light gage steel framing, wood framing. Majority of projects bear on shallow concrete foundations. Work with AutoCad (2006). Current clients include: McDonalds-Raleigh

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William Earle Rettew, II, PE

Regional Office; Mountain Design AIA-Waynesville, NC; Stuart Stepp/Tamara Peacock, AIA, Hendersonville, NC; Auto Owners Insurance Co.: Donald A. Gardner, AIA.; Gerald Noe, AIA ; Marsh-Bell Construction Co.; Ace Construction Co. Florence, SC; Dempsey Construction Co., Hartsville, SC; FBI Construction Co., Florence SC and Myrtle Beach, SC; C. Dan Joyner, Realtor; Caine Company Realtor, RE Max Foothills Realty, Columbus, NC, Clean Air Technology, Detroit, MI, Clark Patterson Lee, Charlotte, NC, We work with the International Building Code, and the International Residential Code

Current Professional Registrations (Structural Engineer): South Carolina, North Carolina, and Tennessee

Have served on Appeals board for Greer, SC, since it inception in 2002. Mr. Phil Rhodes was the Chief Building Official in Greer, SC

Over 2/3 of practice is involved in design, wood, steel concrete. The remainder includes site inspections for contractors with Code issues, problems which become apparent after construction complete, and occasionally involved in construction litigation (expert witness).

Various Projects (2007-Present)

Greenville, SC, 2007 Gossett Pipe Company design of foundations for two new concrete pipe batch plants with various hoppers, mixers and conveyors.

Laurens, SC 2007 design of foundations for two separate batch plants with mixers and conveyors.

North Greenville University (2008). Evaluate roof damage from microburst winds at main Administration Building (Circa 1950)

North Greenville University (2008) Evaluate roof truss repairs to new dormitory building's trusses damaged by weather.

Dana NC Volunteer Fire Department (2008) Evaluate structure damaged by Fire truck accident at front of building (partial Collapse of Concrete roof on masonry

Redemption World Outreach-Greenville SC design of foundations and elevated floors with cantilevered running track for large tent type structure

Clean Air Technology 2008, design of structure for clean rooms in Charlotte, NC and Cranston RI utilizing light gage metal studs

Waynesville NC HVO 2009 (Design of building addition to existing precast structure for Handicapped Vocational Opportunity Center

McDonalds's Corp. 2009 Design of modifications to existing buildings for new beverage centers in a dozen stores in NC, SC & TN, Lot Pole Program 2012, Plate Connected Wood truss inspections.

Flat Rock NC, 2009 design of kitchen renovation while leaving roof in place at Camp Greystone Hartsville, SC, 2010 design of modifications to existing retail shopping center for new tenants. This involved shoring up existing roof while exterior walls were removed and new load paths established.

Lancaster, SC 2010, Evaluation of Ct. Catherine Catholic Church. Evaluation of 50 year old masonry structure for cracks in load bearing walls with recommendations..

Spartanburg, SC 2010, Evaluation of Seventh Day Advent Church on Reidville Rd.. Existing 40 year old building with sagging entrance roof, with repair recommendations.

Canton NC 2010. Evaluation of 50 year old Methodist Church with field built trusses splitting and separating, with repair recommendations.

Spartanburg, SC 2011, Soup Kitchen. Evaluation of existing concrete building that was experiencing wall Problems on south end, prior to renovations for new use.

Hendersonville, NC, 2012Kitchen Expansion-Carolina Village Retirement Village, Addition of two areas of existing buildings for new dining and kitchens.

Fletcher, NC 2012, Design of new Multi-purpose steel frame three story building for local municipality.

Cherokee Co. NC 2012, Design of an addition on two sides of existing framed structure-Health Dept.

County of Graham, NC 2012 Design of new Senior Center.

Prior to the five year period, Worked on project to modify two 100 year old Textile Mills (four story) where time and loads had led to widespread checking of floor and roof beams. Original columns were wood. Also, we worked on repairs to masonry church in Beaufort County built prior to Civil War. Provided over 1000 house designs for single/multiple family housing plus numerous other multiple family wood frame structures.