

Salvatore Ray Granata, P.E., S.E.

146 Lee Road 2012

Opelika, AL 36804

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Cell: (770) 301-5817

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CAREER HIGHLIGHTS

A registered Civil / Professional Engineer, Licensed Structural Engineer with over 47 years of progressively responsible experience in structural engineering using steel, concrete, masonry, wood, aluminum, glass and load-bearing metal studs. I maintain 52 Professional Engineering Licenses to practice in the 50 states, Washington DC and Puerto Rico. Scope of projects include: Commercial and residential structures (agricultural grow houses, green houses, tornado shelters, hotels, apartments, assisted living, warehouses, distribution centers, single family tract homes, large custom homes, etc.), over 8,000 telecommunications equipment buildings (shelters), 14 paper mills, 12 power plants (1 hydro, 2 geo-thermal, 1 gas, 4 coal, 3 refuse-to-energy and 4 nuclear power plants), one petro-chemical facility, 1 steel manufacturing facility, and 1 aluminum manufacturing facility, a nuclear waste repository, several commercial structures and signs.

ENGINEERING CERTIFICATION EXAMS PASSED

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|--------------------------------------|---------------|---------|------|
| NCEES Engineering Fundamentals, PE : | (8 hours) : | APRIL | 1977 |
| NCEES Professional Engineer, PE : | (8 hours) : | APRIL | 1981 |
| NCEES Structural I, SE : | (8 hours) : | JANUARY | 1999 |
| NCEES Structural II, SE AM portion : | (4 hours) : | JANUARY | 1999 |
| California Surveying Exam, CE : | (4 hours) : | JANUARY | 2000 |
| California Seismic Exam CE : | (4 hours) : | JANUARY | 2000 |
| NCEES Structural II, SE : | (8 hours) : | OCTOBER | 2004 |

Totaling 44 Hours

WORK EXPERIENCE:

Sole Proprietor, Opelika, AL:

02/27/07 – Present

Responsible for all phases of engineering design work including business development, client relations, proposals, engineering budget, structural engineer-of-record design (steel, concrete, masonry, wood, load-bearing metal studs, and light-gage steel, engineering project management, drawing review, construction observation, invoicing, and collections.

DSi - Engineering, LLC, Norcross, GA:

3/18/03 – 2/27/15

Vice President and LLC Member

www.difsol.com

Responsible for all phases of engineering design work including business development, client relations, proposals and engineering services estimates, engineering budget, engineering metrics, company financial performance, material quantities, structural engineer-of-record design (steel,

concrete, masonry, wood, load-bearing metal studs, light-gage steel curtain wall framing and tilt-wall construction), engineering personnel supervision, engineering project management, drawing review, construction observation, invoicing, and collections.

Andrew Corporation, and Oldcastle Precast Communications, Newnan, GA

Chief Engineer www.andrew.com; www.oldcastlecomm.com

Andrew: 3/03/98 – 10/30/02, Oldcastle: 10/31/02 to 3/11/03

Chief Engineer for the Shelter Products division. Responsible for all shelter product designs and the technical supervision of the engineering design team. This group was responsible for mechanical, electrical and structural drawing production, construction support, client satisfaction, technical and engineering issue resolution, and continuous product improvement for the manufacturing of panelized, pre-cast concrete and steel Telecommunications Equipment Buildings (Shelters).

BE & K Engineering, Inc., Birmingham, AL

Senior Structural Engineer www.bek.com

10/28/88 – 2/28/98

Structural Design Leader on a \$20 million project to upgrade the #1 paper machine at Weyerhaeuser's Valliant, OK. Mill. Reported operationally to the Engineering Project Manager and administratively to the Structural Department Manager at BE&K. I had total structural responsibility for the project from conception to completion. Project responsibilities included:

- Developed original bid and proposal
- Presented the proposal to the client
- Developed the structural engineering schedule, budget, and staffing levels.
- Supervised structural project team of 5 to 6 people with responsibility for all structural design, schedule and budget
- Provided onsite structural assistance during the start-up phase of the project.

On prior projects at BE&K, I served as Design Leader, Area Leader and Design Engineer. Responsibilities included:

- | | |
|---|---|
| ◆ Selection of structural systems | ◆ Specifications preparation and bid evaluation |
| ◆ Subcontractor selection and inspection | ◆ Calculation preparation and checking |
| ◆ Drafting supervision and checking | ◆ Construction inspection and start-up assistance |
| ◆ Structural software development | ◆ Design review of engineering documents |
| ◆ Construction engineering and engineering/client liaison | ◆ Safety code compliance |
| | ◆ Building Code Compliance |

Harbert International, Birmingham, AL

Lead Structural Engineer www.bharbert.com

3/21/88 – 10/11/88

I functioned as Lead Structural Engineer for two geo-thermal power plants and the addition of the Chemi-Washer building for Stone Container in Hodge, LA.

Battelle Memorial Institute, Columbus, OH**Structural Project Manager** www.battelle.org

3/09/87 – 3/18/88

I was responsible to oversee structural design engineering, drawing progress, and schedule review of the consultant engineering subcontractor for a nuclear waste repository in salt for the U. S. Department of Energy.

Rust International, Birmingham, AL**Design Engineer**

4/16/84 – 3/06/87

I was responsible for preparing structural calculations and the technical supervision of drafting personnel and CAD operators. Also performed drawing and calculation checking.

Christy/Cobb, Inc., Birmingham, AL**Structural Design Engineer** www.christycobb.com

10/17/83 – 3/30/84

I was involved in a number of commercial, light industrial and residential construction projects. I was responsible for preparation of calculations and technical supervision of drawing preparation, and also had site inspection responsibilities.

Rust International, Birmingham, AL**Contract Engineer**

4/01/82 – 1/28/83

I was responsible for reinforced concrete foundation design on U.S. Steel's Seamless Continuous-Caster Pipe Mill.

Brown and Root, Inc., Houston, TX**Senior Design Engineer** www.halliburton.com

3/30/81 – 3/12/82

Responsible for design verification of on-site design changes at South Texas Nuclear Power Plant near Bay City, TX and modifications to the natural gas power boiler building at the Trading House Creek Electric Generating Facility near Waco, TX.

Southern Company Services, Birmingham, AL**Design Engineer** www.southernco.com

4/25/77 – 3/13/81

Prepared engineering calculations and checked design drawings for nuclear, hydroelectric and fossil fuel power generation plants for Alabama, Georgia, Gulf and Mississippi Power Companies.

EDUCATION and ACTIVITIES

Bachelor of Science in Civil Engineering: from Auburn University on 03/17/1977.

Member of the American Society of Civil Engineers

Associate Member of the Auburn Football Letterman's Club

Phi Kappa Tau – Member of the Board of Governor's - Alpha Lambda Chapter

| State | P. E. Number |
|-----------------------------|---------------------|
| Alabama – S.E. | 13633 |
| Alaska – S.E. | 11445 |
| Arizona - S.E. | 44959 |
| Arkansas | 9754 |
| California - C.E. | 60382 |
| Colorado | 33539 |
| Connecticut | 21274 |
| Delaware – S.E. | 11784 |
| District of Columbia – C.E. | 10968 |
| Florida | 53467 |
| Georgia - S.E. | SE000056 |
| Hawaii - S.E. | 11955-S |
| Idaho - S.E. | 9276 |
| Illinois - S.E. | 081-006194 |
| Indiana | PE19900306 |
| Iowa | 14725 |
| Kansas | 15497 |
| Kentucky - S.E. | 20842 |
| Louisiana - S.E. | 28380 |
| Maine - S.E. | 9155 |
| Maryland | 24191 |
| Massachusetts - S.E. | 56713 |
| Michigan | 45213 |
| Minnesota - S.E. | 26615 |

| State | P. E. Number |
|----------------------|---------------------|
| Mississippi | 8330 |
| Missouri | E-30239 |
| Montana | 13691PE |
| Nebraska - S.E. | E-9479 |
| Nevada - S.E. | 13908 |
| New Hampshire - S.E. | 9929 |
| New Jersey | GE04186900 |
| New Mexico - S.E. | 14391 |
| New York | 76646 |
| North Carolina | 24727 |
| North Dakota | PE-4396 |
| Ohio | E-63585 |
| Oklahoma - S.E. | 19240 |
| Oregon - C.E. & S.E. | 60494PE |
| Pennsylvania | PE055245E |
| Puerto Rico | 17984 |
| Rhode Island - S.E. | 7050 |
| South Carolina | 19725 |
| South Dakota - S.E. | 6803 |
| Tennessee | 105480 |
| Texas - S.E. | 85290 |
| Utah - S.E. | 99-370939-2202 |
| Vermont - S.E. | 7416 |
| Virginia | 0402 033755 |
| Washington - C.E. | 35840 |
| West Virginia | 14094 |
| Wisconsin | E-33355-006 |
| Wyoming - S.E. | PE11176 |