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

146 Lee Road 2012 Opelika, AL 36804 Work: (678) 367-3151 Cell: (770) 301-5817

sal@srgpe.net salgranata.com

CAREER HIGHLIGHTS

A registered Civil / Professional Engineer, Licensed Structural Engineer with over 40 years of progressively responsible experience in structural engineering using steel, concrete, masonry, wood, load-bearing metal studs, Autoclaved Aerated Concrete, and tilt-wall construction. 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 (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 sign structures.

ENGINEERING CERTIFICATION EXAMS PASSED

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, LLC, Opelika, AL; 04/11/07 – 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.

<u>DSi - Engineering, LLC, Norcross, GA;</u> 3/18/03 – 2/2715

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,

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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
- ♦ Subcontractor selection and inspection
- ♦ Drafting supervision and checking
- ♦ Structural software development
- Construction engineering and engineering/client liaison

- ♦ Specifications preparation and bid evaluation
- ♦ Calculation preparation and checking
- ♦ Construction inspection and start-up assistance
- ♦ Design review of engineering documents
- ♦ 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.

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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

Bachelor of Science in Civil Engineering from Auburn University in 1977.

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State	P. E. Number	
Alabama	13633	
Alaska	11445	
Arizona - Structural	33589	
Arkansas	9754	
California, C.E.	60382	
Colorado	33539	
Connecticut	21274	
Delaware	11784	
District of Columbia	PE10968	
Florida	53467	
Georgia	PE024840	
Hawaii - Structural	11955	
Idaho	9276	
Illinois - Structural	081-006194	
Indiana	PE19900306	
Iowa	14725	
Kansas	15497	
Kentucky	20842	
Louisiana	28380	
Maine	9155	
Maryland	24191	
Massachusetts	EN 42528 - C	
Michigan	45213	
Minnesota	26615	

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