

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

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## **CAREER HIGHLIGHTS**

A registered Civil / Professional Engineer, Licensed Structural Engineer with over 48 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**

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:

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.

DSi - Engineering, LLC, Norcross, GA:

3/18/03 – 2/27/15

**Vice President and LLC Member**

[www.difsol.com](http://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](http://www.andrew.com); [www.oldcastlecomm.com](http://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](http://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](http://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](http://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](http://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](http://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](http://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**

<b>State</b>	<b>P. E. Number</b>
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

<b>State</b>	<b>P. E. Number</b>
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