

**JIM WALKER, P.E.**

**EDUCATION:**

B.S. in Engineering - Florida Atlantic University, 1970  
Graduate School of Structural Engineering - North Carolina State University, 1973  
Graduate School of Business Administration - Golden Gate University, 1975

**PROFESSIONAL REGISTRATION (P.E.):**

Alabama	Kansas	New Hampshire	Texas
Arizona	Maine	New Jersey	Tennessee
California	Maryland	New Mexico	Utah
Colorado	Massachusetts	New York	Vermont
Connecticut	Michigan	North Carolina	Virginia
Delaware	Minnesota	Ohio	Virgin Islands
Florida	Mississippi	Oklahoma	West Virginia
Georgia	Missouri	Oregon	Wisconsin
Idaho	Montana	Puerto Rico	Wyoming
Illinois	Nebraska	South Carolina	

**CERTIFICATIONS:**

Level III Concrete Engineer in accordance with the requirements of ACI/ASME 359 "Code for Concrete Reactor Vessels and Containments"

**PROFESSIONAL AFFILIATIONS:**

American Concrete Institute (ACI)  
National Society of Professional Engineers  
Coalition of American Structural Engineers

**OTHER:**

**Member, EIA-222 Code Committee, developing LRFD criteria for the upcoming revision "G" of "Structural Standards for Steel Antenna Towers ...".**

Former Working Group Chairman on the Joint ACI/ASME Committee No. 359, "Code for Concrete Reactor Vessels and Containments".

**EXPERIENCE:**

Mr. Walker has almost 30 years of broad experience as a Civil and Structural Engineer. This experience includes a wide variety of Commercial and Industrial projects located throughout the United States and Internationally. The breadth of Mr. Walker's experience includes:

Structural and Seismic Analysis  
Structural Design (Concrete, Masonry, Steel, and Wood)  
Foundation Design and Retaining Wall Design  
Structural Failure/Forensic Evaluation and Expert Testimony

A summary of the types of projects Mr. Walker has designed is summarized below:

- Structural design and analysis of **thousands of communication towers** (guyed, self supporting, monopoles, and rooftop units), foundations, and special related structures (mounts, cantilevered guy anchors, etc.). Repair and Reinforcing designs for these types of towers using “grouting techniques” and member and anchor reinforcement.
- *Mr. Walker worked as a tower erector/climber in the early part of his career; he designed his first tower in 1972.*
- A 40,000 S.F. indoor Recreational Facility for Fulton County, Georgia.
- A 38,000 S.F. indoor Recreational Facility for the Southern Institute of Technology.
- An 18,000 S.F. Senior Center for Cobb County, Georgia.
- A 24,000 S.F. Elderly Care Facility in Fulton County, Georgia.
- A 20,000 S.F. addition to an Elderly Care Facility in Gwinnett County, Georgia.
- Structural Design of Prototypical and Individual Facilities for National Fast Food Franchisors.
- Design of Underground Storm Water Detention Facilities.
- Structural Design of numerous Office and Apartment Facilities including: Concrete, Masonry, Steel, and Wood systems.
- Structural Design of numerous Neighborhood Strip Centers and Auto Repair Malls ranging from 20,000 to 35,000 S.F.
- Structural Design (reinforced masonry) of Prototypical and Individual Facilities for a

- National Auto Lube Franchisor.
- Structural Design of numerous "Billboard" Sign Structures.
- Structural Analysis and Design of heavy steel for Pipe Rupture Restraint's in Class I Nuclear Piping System, Pipe Support Design for Nuclear Class I, II, & III Piping Systems.
- Seismic Analysis of a 100 ft x 300 ft, Class-1, 7-Story Concrete Frame Building.
- Design of a reinforced concrete cantilevered structure to support a 40 ft. high sculpture for the 1996 Olympics.

**SAMPLE LIST OF PROJECTS - FOR WALKER ENGINEERING, INC.**  
**(list is composed of projects for the last 3 years)**

**American Tower** – Performed structural analyses for numerous telecommunication towers, including guys, self-supporters, monopoles and concrete monopoles. Performed reinforcing designs for telecommunication towers and foundations. Worked with Client to oversee construction of reinforcing designs. Assisted Client with permitting, zoning and annual inspections of telecommunication towers.

**Crown Castle International** – Performed structural analyses for numerous telecommunication towers, including guys, self-supporters, monopoles and concrete monopoles. Responsible for designing rooftop mounts and antenna mounts for towers. Performed reinforcing designs for towers and foundations. Worked with Client to oversee construction of reinforcing designs. Assisted Client with permitting, zoning and annual inspections of telecommunication towers

**Telestructures** - Performed structural analyses for numerous telecommunication towers, including guys, self-supporters, monopoles and concrete monopoles. Performed structural analyses on non-typical telecommunication towers, including bell towers, flagpoles, and rooftop mounts. Performed reinforcing designs for telecommunication towers and foundations.

**Spectrasite Communications** - Performed structural analyses for numerous telecommunication towers, including guys, self-supporters, monopoles and concrete monopoles. Performed reinforcing designs for telecommunication towers and foundations. Worked with Client to oversee construction of reinforcing designs. Assisted Client with permitting, zoning and annual inspections of telecommunication towers.

**Sprint** - Performed structural analyses for numerous telecommunication towers, including guys, self-supporters, and monopoles. Performed reinforcing designs for telecommunication towers and foundations. Performed analyses of water tanks and designed mounts for client to locate on tanks. Worked with Client to oversee construction of reinforcing designs. Assisted Client with permitting, and zoning of telecommunication towers.

**Alltel Communications, Inc** - Performed structural analyses for numerous telecommunication towers, including guys, self-supporters, monopoles and concrete monopoles. Performed reinforcing designs for telecommunication towers and foundations. Worked with Client to oversee construction of reinforcing designs. Assisted Client with permitting, and zoning of telecommunication towers.

**Verizon Wireless** - Performed structural analyses for numerous telecommunication towers, including guys, self-supporters, monopoles and concrete monopoles. Performed analyses on non-typical sites for co-location, including water tanks, concrete monopoles and rooftops. Performed reinforcing designs for telecommunication towers and foundations. Worked with Client to oversee construction of reinforcing designs. Assisted Client with permitting, zoning and annual inspections of telecommunication towers.

**T-Mobile** - Performed structural analyses for numerous telecommunication towers, including guys, self-supporters, monopoles and concrete monopoles. Performed reinforcing designs for telecommunication towers and foundations. Worked with Client to oversee construction of reinforcing designs. Assisted Client with permitting, zoning and annual inspections of telecommunication towers.

**Cingular Wireless** - Performed structural analyses for numerous telecommunication towers, including guys, self-supporters, monopoles and water tanks. Performed reinforcing designs for telecommunication towers and foundations. Worked with Client to oversee construction of reinforcing designs. Assisted Client with permitting, and zoning of telecommunication towers.