



JULIO ORBEGOSO, P.E.

President/ Chief Structural Engineer

QUALIFICATIONS

- Over forty (40) years as a Structural Engineering Designer in reinforced concrete, steel framing, wood framing for commercial, high rise, government and industrial projects.
- Over Thirty (30) years of construction inspections and supervision of commercial and high rise buildings.
- Three (3) years as a Structural Draftsman Designer of buildings.
- Registered in Florida, P.E. #0038769; Also, registered in Georgia, North Carolina, South Carolina, Arizona, Louisiana, Alabama and Texas
- Certified Threshold Building Inspector # 0750
- State General Contractor # CG –C060964

EDUCATION

- B.S. Civil/Structural Engineering, Florida International University – August 1976
- A.S. Civil Engineering, Miami-Dade Community College – December 1973
- 1 year of Pre-Engineering & 3 years of Civil Engineering, Catholic University, Lima, Peru – July 1969

EXPERIENCE

January 2000 – Present: President/ Chief Structural Engineer, ORB Engineering, Inc.

- Oversees all design work including development of plans and specifications for new buildings, structural restoration, building renovations and repairs, additions to existing structures and facilities.



July, 1991 – 2000: Consulting Structural Engineer and construction supervisor for companies such as:

- Jacob Engineering - Lakeland, FL
Industrial Buildings of steel frame and concrete foundations.
- Menzel and Associates, Architects and Engineers – Melbourne, FL.
Design calculations of concrete, steel and wood buildings.
- Blanton and Associates, Contractors – Miami, FL.
Designed and performed field inspections for residential and commercial buildings.
- Bowen Engineering – Orlando, FL.
Design calculations of concrete and steel framing for commercial and institutional buildings.

June 1987 – June 1991: Walt Disney World Co. (under contract), Lake Buena Vista, FL. Senior Structural Engineer

- Duties included design calculations, field inspections, checking of shop drawings, issue directives, etc. for Disney's MGM Studio Tour Back lot Residential Street, New York Street, North Street and Town Square; including steel framing for buildings up to 75 feet high, wood framing and concrete foundations. Also, conceptual design and calculations of several additions to facilities at the Magic Kingdom, Epcot Center and MGM Studio.

Sept. 1986 – May 1987: Consulting Engineer and construction supervisor for companies such as:

- Pan American Services, Engineer and Construction Inc. - Lakeland, FL
Design calculations of a steel frame addition to a phosphoric acid plant for IMC, New Wales, FL.
- Menzel and Associates, Architects and Engineers – Melbourne, FL.
Design calculations of a five-story building apartment in Los Angeles, CA with three upper levels of wood framing and two lower levels of concrete for a parking garage

May 1985 – Aug. 1986: Berryman Patenaude & Associates, Inc. – Orlando, FL. Senior Structural Engineer Supervisor,

- Field design support for "*Calvary Assembly of God Church*" - Orlando, FL.
Including concrete basement, masonry walls, concrete floors and beams, and steel roof framing.
- Complete structural review of Naval Training Equipment Center, Orlando, FL.
A three-story building with steel framing and composite slab.
- Review and check several buildings of Orange Correctional Institute, Orlando, FL.
Involving concrete precast panels, concrete masonry and steel joist.
- Review and check of U.S. Post Office - Merritt Island, FL
A high bay and low bay building with steel framing and masonry walls.
- Design calculation for Florida Southern College, Dorm II – Lakeland, FL.
A three-story building with precast panel floors and concrete masonry walls.
- Florida State University – Tallahassee, FL
Design calculations of additional floor to a library that included concrete joist and beams.



Jan. 1985 – April 1985: Badger America Inc. - Tampa, FL

Senior Structural Engineer

- General Electric – New York

Design calculations of plastic plant such as a storage bin tank support, cooling tower foundation, platforms, etc.

- Chevron – Wyoming

Design calculations of phosphate plant. Screen building, pipe racks, platform and foundations.

Aug. 1982 – Oct. 1984: Consulting Structural Engineer for several clients in South America- Perunamely:

- Paramonga S.A. (a pulp and paper company)
- Petro Peru (State petrochemical company)
- Ave. Pack (industrial company, silos, buildings, etc.)
- Cofide (financial company for the industry)

Design calculations of equipment supports, platforms, retaining walls, pipe racks, foundations, etc.

Jan. 1980 – June 1982: Davy McKee, Inc.- Lakeland, FL

Structural Engineer

- IMC – New Wales, FL.

Design Engineer of steel and concrete for phosphoric acid and DAP plant, pipe racks, equipment supports, concrete foundation on piles for cooler and dryer, etc.

- Cealanese Chemical Company – New Mexico

A gas boiler mat foundation in piles. Steel support, access platforms and foundations of sulfuric acid plant for public service.

- IMC – New Wales, FL

Steel design calculations of phosphoric acid plant for alterations and modifications of existing structure. Designed screen vibration resistant structure.

- CFI – Plant City, FL

Designed a duct support tower for a sulfuric acid plant

Feb. 1979 – Jan. 1980: Planning Research Corporation (PRC), NASA - Kennedy Space Center, FL

Structural Engineer

- Design calculations of steel work platform for Orbiter Access Arm at Launch Complex 39, structural alterations and preparation of shop drawing details.



Jan. 1977 – Feb. 1979: BRP & H Inc., Architects and Engineers – Cocoa Beach, FL

Structural Engineer

- Designed reinforced concrete and steel structures for Vehicle Assembly Building to NASA Space Shuttle project at Kennedy Space Center, FL. Duties included platform calculations, steel framing and special problems such as hinges, latches, etc.
- Completed calculations of a two-story hospital addition which included concrete foundations with a reinforcing steel floor and roof framing plans with concrete and steel beams.
- Design calculations for radar building in Puerto Rico.
- Design calculations for an aircraft fuel system maintenance dock facility at Moody AFG, Georgia.
- Design calculations for the U.S. Navy Helicopter Training Facility, Jacksonville, FL.
- A Twenty-five (25) foot high warehouse addition for Port Canaveral, FL. with steel frame and concrete masonry walls.
- Involved in several facilities for Atlantic Trident Submarine Base, Kings Bay, Georgia. These calculations were for government projects and were considered forces due to wind and seismic stresses.

Oct. 1975 – Jan. 1977: Assistant to Plan Examiner, Fire Department- City of Miami, FL.

- Evaluated construction plans, submitted for approval, according to South Florida Building code requirements.

Aug. 1974 – April 1975: Allyson and Mayer Inc. - Miami, FL.

Structural Designer

- Designed structural elements of reinforced concrete, drafting of foundation plans, floor plans, sections and details of shopping centers (Sears, Roebuck & Co., Plantation, FL).

Feb. 1973 – Aug. 1974: Bertram S. Warshaw and Associates, Inc.- Miami, FL.

Structural Designer Draftsman

- Designed and drafted reinforced concrete details, plans, sections and foundation of high rise buildings (apartments and condominiums).

Oct. 1970 – Dec. 1972: Thomas J. Kelly, Inc., Civil Engineers and Land Surveyors- Miami, FL

Draftsman in Surveying

- Drafted and calculations elements on land subdivisions, record plats, tentative plats and survey mortgages.