

# Ted L. Belser. PE, CGC

## Senior Professional Engineer and State Certified General Contractor

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### Education

B.S. Mechanical Engineering - University of Florida (1977)

Additional training in the corporate environment included various management courses, personnel matters, liability issues, insurance, and contract negotiations.

### Professional Registrations and Certifications

Professional Engineer:

Florida (#25577), California (#M33639), Georgia (#24279), South Carolina (#18865), Texas (#95333), North Carolina (#23615), Alabama\* (#21473), Tennessee\* (#22867), Texas (#95333), New Jersey\* (#36188), and Puerto Rico\* (SP#74) \*denotes inactive status

NCEES - Council Record No.14517 (Scored 100% on NCEES EIT Exam and 97% on NCEES PE Exam)

State Certified General Contractor: Florida (#CG C061668), South Carolina (#G 108316)

State Certified Energy Auditor: Florida (#T0204, Florida EA & TAA Program)

### Qualifications and Experience

Mr. Belser is a registered professional engineer and state certified general contractor with more than thirty years of experience in engineering design, construction management, forensic consulting, and litigation support. As a professional engineer he is currently registered in six states, with inactive status in several others, and has a NCEES Council Record that allows rapidly register in other states as needed. His capabilities and experience includes work in the areas of HVAC, mechanical systems, plumbing, process piping, industrial ventilation, electrical systems, building envelope systems, facility communication systems, and SCADA/I&C systems. As a general contractor he has active licenses in Florida and South Carolina. His construction work has includes both new construction, and renovations of commercial buildings, condominiums, industrial facilities, public utilities, and power plants.

Mr. Belser has worked as a senior consultant, project manager, and lead design engineer, or design team member responsible for various phases of the design and construction of more than one hundred and ten (110) projects with aggregate project values of more than 600-million dollars. He has also provided forensic investigative services for building moisture intrusion, microbial growth on building surfaces, building performance problems, and/or damages to structures due to hurricanes, tornados, fires, and other causes for more than 260 properties within the past 10 years. Clients that he has served include property owners, property managers, contractors, insurance companies, engineering and/or architectural design firms, and governmental entities.

Supported by his extensive background in the areas of design and construction, professional registrations and certifications in both engineering and construction, and extensive forensic investigative experience, Mr. Belser has provided highly qualified expert witness testimony in support of litigation issues.

## Relevant Experience

Mr. Belser's experience over the past 30 years includes providing mechanical, electrical, and I&C services for a broad base of commercial, industrial, and public utility projects. A sampling of project types and experience within the past five years includes:

- HVAC system designs for university laboratories, lecture hall space, and residence halls.
- HVAC design experience for public school system facilities.
- Troubleshooting, problem analysis, and video documentation of water intrusions and stucco cracking problems for newly constructed \$8,000,000 church campus in Gainesville, FL.
- Forensic evaluation of damages to 78 structures damaged during the 2006 – 2005 Hurricane Season. Evaluation of structural problems, roof damages, water intrusion, building envelope problems, and mechanical system problems.
- Troubleshooting, problem analysis, and design modifications for fire protection system serving dockside nuclear submarine refit facilities and dry-dock facilities for the US Navy, Kings Bay Nuclear Submarine Base, GA.
- Design of a new wastewater treatment plant for the City of Trenton, FL consisting of mechanical screen, close loop reactor (oxidation ditch) with brush aerators, center feed clarifiers, RAS/WAS pump station, effluent disinfection system, aerobic sludge digester, plant lift stations, and appurtenances. This was a CDBG-funded/FL SRF-funded project.
- Design of new influent screen system and a new continuous backwash sand filter for the City of Jasper, FL wastewater treatment plan. The project was funded by CDBG.
- Design of a new 5.5 mgd (PHF) headworks consisting of dual influent screens and a PISTA grit removal system for Etowa River WWTP, Dawsonville, GA.
- Senior project consultant and quality control peer reviews for other engineering firms.
- Contract review and negotiations for lease and use of public facilities.
- Troubleshooting and problem analysis for wastewater sludge compost conveyor systems for McAlpine Creek WWTP, Charlotte-Mecklenburg, NC
- Design of upgrade for water 2 mgd well facilities utilizing adjustable frequency drive technology for the City of Lake City, Florida.
- Design of new 2.1 mgd water well facility with hydropneumatic tank and adjustable frequency drive for the Legacy of Leesburg development for the City of Leesburg, FL.
- Design of a new 50,000 gpd package WWTP for the Service Zone Office Park for the City of Lake City, FL.
- Designs for implementation of cellular antenna systems for Nextel Communications on two (2) water towers owned by the City of Leesburg, FL.
- Design of facilities in support of cellular antenna systems and associated communication equipment for Nextel Communication on various levels of the 28-story, 2,000-room, Marriott World Center Resort, Orlando, FL.
- Design of telecommunications POP sites for GTE – Genuity in Battle Creek, MI and in Ft. Lauderdale, FL.
- Design of liquid asphalt storage, blending, and load out facilities for a projects in Macon, GA, and a facility in Guatemala
- HVAC design for a 1,200 seat worship center for Kingsland Baptist Church, Kings Bay, GA

## PROFESSIONAL ASSOCIATIONS & AFFILIATIONS

- American Society of Mechanical Engineers
- American Society of Civil Engineers
- National Council of Examiners for Engineering and Surveying - Council Record Certificate Holder

## PARTIAL LIST OF CLIENTS AND PROJECTS

- University of Florida, Gainesville, FL – Numerous HVAC projects, chilled water, boiler systems, etc.
- School Board of Alachua County, Gainesville, Florida – HVAC design for elementary, middle and high schools
- School Board of Leon County, Tallahassee, FL – HVAC and plumbing design for middle school laboratories
- Beaufort-Jasper Water and Sewer Authority, Beaufort, SC – Chelsea Street WTP ASR System Expansion
- Beaufort-Jasper Water and Sewer Authority, Beaufort, SC – Broad River Pump Station ASR Storage
- USAID, Washington, DC (Projects in Kazakhstan, Turkmenistan, Uzbekistan, and Ukraine)
- National Aeronautics and Space Administration - Marshall Space Flight Center – test area pumping & piping
- National Aeronautics and Space Administration – JSC White Sands Facility – test area pumping & piping
- Arnold Air Force Base, TN (Arnold Air Station as of 1996)
- Memphis Naval Air Station WTP VE, Memphis, Tennessee
- Reed Laboratory Renovation, University of Florida, Gainesville, Florida
- Jennings Hall Chilled Water Line Extension, University of Florida, Gainesville, Florida
- Murphree Area Housing Renovation, University of Florida, Gainesville, Florida
- O'Connell Center Parking Facility, University of Florida, University of Florida
- Solar Water Heating Demonstration Project, Florida Public Service Commission, Tallahassee, Florida
- Port Malabar WTP, Palm Bay Florida - General Development Utilities, Inc.
- Port Malabar WWTP Modifications, Palm Bay, Florida
- Delray Beach WTP - City of Delray Beach, Florida
- Strategic Water Reserve via ASR - Kingdom of Kuwait
- Stuart WTP - City of Stuart, Florida
- St. Augustine WTP - City of St. Augustine, Florida
- Naples WTP - City of Naples, Florida
- Robert Pratt (Forest Hills) WTP - Village of Palm Springs, Florida
- Palm Air Wellfield - City of Pompano Beach, Florida
- Ft. Pierce 25th Street WTP - City of Ft. Pierce, Florida
- Alexander City WTP, Alexander City, Alabama
- Miami River WTP - City of Dayton, Ohio
- Goodwin Street Pump Station - City of Portsmouth, Virginia
- Stock Island Pump Station -Florida Keys Aqueduct Authority, Key West, Florida
- Murphree WTP - City of Gainesville, Florida
- City of Cocoa WTP - City of Cocoa, Florida
- Peace River WTP - General Development Utilities Authority, Charlotte County, Florida
- Englewood R.O. WTP - Englewood, Florida
- Carey/Apex WTP - Cities of Carey and Apex, South Carolina
- Brick Municipal Utilities Authority ASR - Brick Township, New Jersey
- Evesham Municipal Utilities Authority ASR, Evesham Township, New Jersey
- New Jersey American Water Company ASR, Devonshire, New Jersey
- Taylor Creek ASR Demonstration Project, South Florida Water Management District
- Effluent Land Application System, Leesburg, Florida
- Repump Station A - Sixth Street WWTP, City of Ft. Lauderdale
- Key West WWTP, City of Key West, Florida
- Barefoot Bay WWTP,
- North Port St. Lucie WWTP, North Port St. Lucie, Florida
- South Port DIWPS, Stuart, Florida
- Turkmenbashi R.O. Plant, Turkmenistan
- Kzyl Orda Regional Water System Pump Stations, Kazakstan
- Water Distribution Booster Pumping Stations, Lviv, Ukraine

- Perry WTP Improvements, City of Montgomery, Alabama

**Partial List of Clients and Projects (continued)**

- Northeast Ohio Regional Sewerage District, Cleveland, Ohio
- Frito-Lay Facility, Salisbury, North Carolina
- Frito-Lay Facility, Perry, Georgia
- Lake Nona WTP, Orlando Utilities Commission
- Seacoast Utilities, West Palm Beach, Florida
- Lake Okeechobee ASR Demonstration Project, South Florida Water Management District
- Reuse water system, Hilton Head, South Carolina
- City of Cocoa Dial WTP ASR, Orange County, Florida
- Various Resort Hotel Properties, Walt Disney World, FL
- Wastewater Treatment Facility, Reedy Creek Utilities
- Tropicana Anaerobic WWTP, Bradenton, Florida
- Upper Trinity Regional WTP
- Alexander City Alabama
- Landis Sewerage Authority, New Jersey
- CUMUD Composting Facility, Charlotte, NC
- Jones Island WWTP, Milwaukee, Wisconsin
- Dothan Oil Mill Company, Dothan, Alabama
- General Electric Battery Business Department, Alachua, Florida
- Raw Sewage Pump Station, Montgomery, Alabama
- WTP, City of Huntsville, Alabama
- Georgia Pacific Paper Company, Palatka, Florida
- Carolina Bays Wetlands Effluent System
- Cape Fear Outfall Defoaming Structure
- Embassy Hills WWTP, Pasco County, Florida
- Hudson WWTP, Pasco County, Florida
- Service Zone WWTP, City of Lake City, FL
- Legacy of Leesburg Interim Reuse Water Supply System, Leesburg, FL
- Cellular Antennas – Leesburg Water Towers, Nextel Communications, Maitland, FL
- Liquid Asphalt Plant, Douglas Asphalt, Macon, GA
- Albert Whitted DIWPS, City of St. Petersburg, Florida
- GATX Tank Car Cleaning Facility, Melbourne, Florida
- Piscataway WWTP,
- ITT Rayonier, Portland, Oregon
- Port of Seattle, Seattle, Washington
- ITT Rayonier, Fernandina, Florida
- Rx Facility in Bahamas (Confidential Client)
- Palm Aire Wellfield, City of Pompano Beach, Pompano Beach, Florida
- PB WTP, City of Pompano Beach, Pompano Beach, Florida
- \$30 Million Dollar Bond Issue Projects (10 projects) - School Board of Alachua County
- Laboratory Renovation Project - Leon County School Board, Tallahassee, Florida