David Jones, P.E.

Senior Mechanical Engineer

Smith Engineering Consultants, Inc.

West Palm Beach, Florida

(561) 616-3911

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Professional Profile

David has over 30 years as a mechanical engineer including over 20 years of HVAC & Plumbing project engineering experience. Specific experience includes project supervision, contract administration, client contact, HVAC load calculations, HVAC equipment selection, HVAC system design, & complete plumbing design. Additional skills include AutoCad drafting, & proficiency with the FL energy code calculation. Types of projects include a wide variety of industrial, commercial, light manufacturing, & residential.

Software Skills

AutoCAD, MicroStation, and Microsoft Office.

Education

BS - Mechanical Engineering, University of Central Florida, 1982

Licenses/Certifications

Florida P.E. No. 41042

Years with SEC:

7

Years of Experience:

40

Project Experience

David Jones is a mechanical consulting engineer. He has been involved in a wide variety of mechanical systems design for residential, commercial, industrial, and light manufacturing projects. David has over 30 years of experience & performs both project management & engineering design duties.

The following is a partial list of commercial projects where David served as project engineer for design of mechanical systems:

- CV Technology 24,000 square foot manufacturing facility, Palm Beach Park of
- Commerce, Palm Beach County, FL (2018).
- Parametric Solutions 30,000 square foot manufacturing facility, Palm Beach Park of Commerce, Palm Beach County, FL (2018).
- President 21,000 square foot supermarket, Margate, FL (2017)
- Tecomet 43,000 square foot manufacturing/office building, Riviera Beach, FL (2016).
- Ollie's 30,000 square foot retail space, Orlando, FL (2016).
- Sailfish Brewing Company manufacturing facility, Ft. Pierce, FL (2015).
- Neptune Research, Inc. – Relocation of light manufacturing facility, Riviera Beach, FL (2013).
- Raymond Floyd Palm Beach Par 3 Clubhouse, Palm Beach, FL (2012).
- City of West Palm Beach wastewater treatment plant building repairs (2012).
- City of Palm Beach Gardens municipal complex emergency generator installation (2013).
- Frenchman's Creek Fitness Center, Palm Beach Gardens, FL (2010).
- A&M Acquisitions, LLC 102,000 square foot office/warehouse, Palm Beach Park of Commerce, Palm Beach County, FL (2007).

The following is a partial list of recent residential projects where David served as project engineer for design of mechanical systems:

- New 900 s.f. garage/apartment building at 750 South County Rd, Palm Beach, FL (2019).
- New 4,300 s.f. single family residence at 226 Merrain Rd, Palm Beach, FL (2019).
- 3,100 s.f. condominium unit renovation at 2335 South Ocean Blvd, Palm Beach, FL (2019).
- New 3,800 s.f. single family residence at Seaside Landings, Flagler Beach, FL (2019).
- New 9,000 s.f. single family residence at 18996 Point Dr, Tequesta, FL (2019).
- New 550 s.f. bedroom addition to an existing residence at 631 Atlantic Rd, North Palm Beach, FL (2019).
- Renovation to 10,000 s.f. single family residence & guest house at 822 South County Rd, Palm Beach, FL (2018).
- Renovation to 12,000 s.f. single family residence at 12032 East End Rd, North Palm Beach, FL (2018).
- Renovation of 5,500 s.f. condominium unit at The Biltmore, Palm Beach, FL

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Project Experience

City of West Palm Beach, Renaissance Pump Station - Mechanical design for a new stormwater pump station consisting of three (3) electric motor operated pumps with both upstream and downstream water level monitoring. Provisions for a future backup diesel generator were designed to provide power for full pumping capacity. Reduced-voltage motor starters were designed to reduce the starting inrush current for the large electric motors. Electrical and mechanical design included motor operated gates for control structures, ventilation of the main electrical room, and plumbing. The telemetry system included communication with remote gate structures and water level monitors throughout the Renaissance project. Also included was the electrical design for a chemical treatment and injection system that treated the stormwater as it was pumped into its storage pond. Designed the electrical and mechanical systems for trash rakes that were later installed at this pump station.

Northern Palm Beach County Improvement District, Mirasol Pump Station, FL - Mechanical design for a new stormwater pump station. This pump station consisted of six (6) electric motor operated pumps with both upstream and downstream water level monitoring. A backup diesel generator was designed to provide power for full pumping capacity. Reduced-voltage motor starters were designed to reduce the starting inrush current for the large electric motors. Electrical and mechanical design included motor operated gates for control structures, air conditioning of the main electrical room, and plumbing. The telemetry system was designed in accordance with District standards and included communication with remote gate structures and water level monitors throughout the Mirasol development. A complicated automation scheme was programmed into the pump station's programmable logic controller (PLC) to operate the pump station independent of the district's base telemetry system.

SFWMD, Technical Review Team Member - Smith Engineering Consultants, Inc. is a previous member of the technical review team responsible for the technical review of design plans and specifications for various SFWMD projects. We are intimately familiar with the District's ProjNet software and Documentum for design standards. We have performed numerous reviews of District projects over the past several years and attended the associated comment review meetings at District offices.

Village of Wellington (ACME Improvement District), Stormwater Pump Stations No. 3, 4, 5, and 6 - Mechanical design for several new stormwater pump stations throughout the Village of Wellington. These pump stations consisted of electric motor operated pumps with both upstream and downstream water level monitoring. A backup diesel generator was designed at each pump station to provide power for full pumping capacity. Electrical and mechanical design included motor operated gates for control structures, ventilation of the main electrical rooms, and plumbing. A new base telemetry system was designed for the District in order to provide for automation, and remote control and status monitoring, for the pump stations, gate control structures, and water level monitoring sites throughout the Village of Wellington. We also designed the electrical and mechanical systems for the trash rakes that were later installed at these pump stations.