

CALCS-PLUS

Senior Mechanical Engineer, PE – HVAC Design in N. Venice, FL

JOIN OUR GROWING TEAM!

Calcs-Plus has built a strong reputation for providing residential and commercial HVAC load calculations and energy code calculations in Florida since 1991. In addition, Calcs-Plus specializes in professional heating and air conditioning system design, focusing on duct design for both residential and light commercial projects. Our philosophy is to deliver quality work with a commitment to professional integrity and social responsibility, both within our organization and in every interaction with colleagues and customers.

Check us out at: www.calcs-plus.com

What You Will Be Doing

The Senior Mechanical Engineer role focuses on HVAC (Heating, Ventilation, and Air Conditioning) system design, including coordinated ductwork plans, equipment specification, and technical documentation for residential and commercial projects. You will also provide **oversight and mentorship to junior engineers**, ensuring technical accuracy, code compliance, and quality in all deliverables.

Key responsibilities include:

- Provide oversight, mentorship, and technical guidance to engineers and designers, including reviewing and sealing drawings and calculations.
- Assist, liaise, and communicate with clients, project managers, and team members to meet project requirements.
- Perform Manual J (Residential) and Manual N (Commercial) load calculations based on client-provided data.
- Perform Manual S A/C system selection and HVAC system design, including ductwork layout and equipment specifications.
- Guide clients in HVAC equipment selection and design strategies to ensure good building practices and code compliance.
- Plan, review, and bid on potential projects to meet permitting requirements.
- Travel locally as needed to collect on-site information, including documenting existing site conditions, assessing mechanical system components, and preparing dimensioned floor plans.
- Provide weekly reports to track new and ongoing projects.

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What We Offer

- **Salary range:** \$105,000 – \$135,000 per year, includes commission opportunities
- Performance incentives
- Core hours are 8 AM – 4 PM, with some flexibility for occasional adjustments
- Training program to ensure success in the role
- Paid public holidays
- Paid vacation and sick/emergency time
- Professional development opportunities
- Reimbursement for professional membership fees
- A supportive and professional work culture that values work-life balance
- Mentorship from seasoned and experienced staff
- Opportunities to grow into a leadership role in the industry

What You Bring

- **Active Florida Professional Engineer (PE) license in Mechanical Engineering (required)**
- **7+ years of mechanical engineering experience**, with at least 2+ years post-PE licensure preferred
- Demonstrated experience in HVAC system design (residential and commercial)
- **Proficiency in AutoCAD and Revit** for HVAC system design and documentation (required)
- Experience supervising or mentoring junior engineering staff (required)
- Strong knowledge of Florida Building Code (Building, Mechanical, and Energy)
- Excellent verbal and written communication skills
- Self-starter with the ability to work independently and manage multiple priorities
- Strong problem-solving and critical-thinking skills
- Valid driver's license and social security card required for employment
- Bachelor's degree in Mechanical Engineering from an ABET-accredited program preferred

Join our team and apply your expertise as a Senior Mechanical Engineer, PE, to shape innovative HVAC solutions and mentor the next generation of engineers. Your skills and leadership will play a key role in delivering high-quality designs that ensure accuracy, performance, and efficiency in every project.

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