

John T. Whyte

Mechanical Engineer

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Experience

Mechanical Engineer/APM, Oishii Farm Corporation, Jersey City, NJ

July 2021 - Present

- Assist in the design of the irrigation, HVAC, and plumbing piping for state-of-the-art vertical farming facilities.
- Perform flow and cooling load calculations to determine equipment selection and pipe sizing.
- Work closely with lead engineers and project team to ensure designs are within code and best practices have been followed.
- Oversee team of electrical and mechanical contractors for the successful installation and commissioning of farm irrigation and environmental systems.
- Collaborate with multiple departments on site to troubleshoot farm systems and develop unique solutions in a timely manner.
- Track and balance construction budget while ensuring project schedule is kept.
- Organize final Electrical and Plumbing inspections for newest facility with the Jersey City Office of Code Compliance.

Asst. Project Manager, Breeden Companies, Inc., Manassas, VA

March 2020 – July 2021

- Create comprehensive spreadsheets for material purchases and site coordination for large scale residential and commercial construction projects.
- Utilization of pull planning and BIM coordination from Pre-Construction Phase through Project Completion.
- Facilitate field operations by coordinating field support, schedules, materials, and access to worksite.
- Maintain cost control and communication between customer and those involved in project execution
- Determine Building Code Requirements and furnish County Permits for General Contractor and Client.

Project Engineer, High Purity Systems, Inc., Manassas, VA

January 2019 – March 2020

- Procure and furnish various process equipment for biopharmaceutical construction including high purity heat exchangers, generation stills, hold tanks, pumps, and all connecting piping and fittings.
- Coordinate efforts between BIM department, in-house fabrication, and on-site subcontractors to ensure the Client's needs are thoroughly met and to exceed expectations.
- Confirm that all aspects of construction field buildout conform to project plans and schedules.
- Produce, organize, and maintain documentation for simultaneous projects.

Education

University of New Orleans, 2018
Bachelor of Science in Mechanical Engineering

Loyola University New Orleans, 2018
Bachelor of Science in Physics, Minor in Mathematics

Technical Skills

- Knowledgeable in several 2D and 3D modeling software including AutoCAD, Revit, and ANSYS Workbench.
- Project sequencing, logistics and mobilization planning.
- Proficient in Microsoft Excel & Project, Procore, and Bluebeam Construction Software.
- Strong performer in a collective, team environment.
- Views challenges and obstacles as a way to improve current skill set.
- Balanced perspective between acute details of the project and the predominant objective.

Certifications

E.I.T. Certification - Mechanical Engineering, LA

OSHA 10 Hour Construction

References may be furnished upon request.