



246 S.W. 4th Avenue, Homestead, Florida 33030

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B&K INSTALLATIONS, INC.

Agricultural Engineer Apprentice

About B&K Installations, Inc.

B&K Installations has more than 35 years of experience in the manufacturing of cultivation and grow facilities for the horticulture, agriculture, and aquaculture industries, as well as metal products that are used in various industries. We pride ourselves on manufacturing reliable commercial structures and machined and fabricated products. All products are constructed to withstand extreme weather conditions and rigorous everyday use. Our state of the art manufacturing facility allows us to specialize in customization of structures and products that are specifically made to meet our customers' needs and budget.

B&K prides itself on the fact that we are a family owned company and we treat our employees as such. Our company would not be what it is today without the total cooperation of all our team members. Our facility is a full fledge manufacturing operation so the dress code is causal and must meet OSHA requirements (close toed shoes, safety glasses, ear plugs). B&K is a great company to work for because of the diversity of jobs that we handle, it is always a learning experience.

Working for B&K is a great way to gain experience in working with multiple different industries and organizations. B&K deals with a multitude of different agencies such as FDOT and the University of Florida, thus we support our team members furthering their education to get the needed certification to work on more intricate jobs with agencies such as these. The size of our facility and the scope of our work allows for speedy career progression.

Role of Agricultural Engineer

- **Position in the Company:** Production Associate
- **Principal Responsibilities:**
 - Advise others regarding green practices or environmental concerns.
 - Communicate technical information to suppliers, contractors, or regulatory agencies.
 - Conduct educational programs that provide farmers or farm cooperative members with information that can help them improve agricultural productivity. **(Not required but is an advantageous quality to have)**
 - Confer with other personnel to resolve design or operational problems.
 - Create graphical representations of mechanical equipment.
 - Design agricultural machinery components and equipment, using computer-aided design (CAD) technology.
 - Design electronic or computer equipment or instrumentation.
 - Design food processing plants and related mechanical systems.
 - Design industrial processing systems.





- Design sensing, measuring, and recording devices, and other instrumentation used to study plant or animal life.
- Design structures for crop storage, animal shelter and loading, and animal and crop processing, and supervise their construction.
- Design structures or facilities for horticulture, aquaculture, aquaponic and hydroponic cultivation.
- Develop operational methods or processes that use green materials or emphasize sustainability.
- Discuss plans with clients, contractors, consultants, and other engineers so that they can be evaluated and necessary changes made.
- Document technical design details.
- Investigate the environmental impact of projects. **(Not required but is an advantageous quality to have)**
- Meet with clients, such as district or regional councils, farmers, and developers, to discuss their needs. **(Not required but is an advantageous quality to have)**
- Plan and direct construction of rural electric-power distribution systems, and irrigation, drainage, and flood control systems for soil and water conservation. **(Not required but is an advantageous quality to have)**
- Prepare detailed work plans.
- Prepare proposal documents.
- Prepare reports, sketches, working drawings, specifications, proposals, and budgets for proposed sites or systems.
- Test agricultural machinery and equipment to ensure adequate performance.
- Test performance of electrical, electronic, mechanical, or integrated systems or equipment.
- Train personnel on proper operational procedures.
- Visit sites to observe environmental problems, to consult with contractors, or to monitor construction activities.
- **Work location and Travel**
 - Our office is located at **246 SW 4th Ave Homestead, FL, 33030**.
 - Homestead is about 30 minutes north of the Florida Keys.
 - The ability to travel will be necessary. Most of the travel will be to attend and work a booth at industry expo's that B&K exhibits in. Travel may also be necessary to oversee the installation of product at the job site, this will not always be necessary but it is a possibility.
- **Prerequisite Knowledge:**
 - Experience/ Qualifications
 - At least a four-year bachelor's degree.
 - At least 2 years of hands-on job site work experience.



- Preferred experience with hydroponic, aquaponic and agricultural equipment.
- Skills/Personal Traits
 - **Active Listening** — Giving full attention to what other people are saying, taking time to understand the points being made, asking questions as appropriate, and not interrupting at inappropriate times.
 - **Complex Problem Solving** — Identifying complex problems and reviewing related information to develop and evaluate options and implement solutions.
 - **Critical Thinking** — Using logic and reasoning to identify the strengths and weaknesses of alternative solutions, conclusions or approaches to problems.
 - **Inductive Reasoning** — The ability to combine pieces of information to form general rules or conclusions (includes finding a relationship among seemingly unrelated events).
 - **Oral Comprehension** — The ability to listen to and understand information and ideas presented through spoken words and sentences.
 - **Problem Sensitivity** — The ability to tell when something is wrong or is likely to go wrong. It does not involve solving the problem, only recognizing there is a problem.
 - **Reading Comprehension** — Understanding written sentences and paragraphs in work related documents.
 - **Writing** — Communicating effectively in writing as appropriate for the needs of the audience.
 - **Written Comprehension** — The ability to read and understand information and ideas presented in writing.
 - **Written Expression** — The ability to communicate information and ideas in writing so others will understand.
- Salary and Benefits
 - Salary is dependent on experience.
 - Depending on advancement, receiving commission on sales is possible.
 - B&K offers quality health insurance for employees.
 - Paid vacation time is possible.

How to Apply

For more information and job application visit our company site at www.bkinstall.com. Applicants should send a resume and cover letter outlining how they meet the specific requirements of the position to info@bkinstall.com.

While we sincerely appreciate all applications, only those candidates selected for interview will be contacted.

Please note the selected candidate will be required to submit to a background check and a drug and alcohol test.