

“Building a motivated culture where we can achieve more together”

Position: Project Engineer Apprentice

Prerequisites:

- Must have Driver's license and be safe and insurable. Drug free.

Requirements:

- Conscientious of safety and how your work affects others.
- Good communication skills, and willingness to keep improving.
- Basic knowledge and interest in technology, computers, math, and numbers.
- Measurements – lengths and elevations - both feet and inches, and decimal feet.
- Ability to multitask and follow multistep instructions.

Personality traits and skills that would help you excel at this position:

- Attention to detail, Methodical to keep the multiple steps organized.
- Persistent – you will make mistakes. Learn from it and go on.
- Effective communication of thoughts/ideas, often graphically with a drawing.
- Energetic – big part of your day will be out at job site swinging a sledgehammer.
- Willingness to work long days some days. Need to work until job is done, and not quit at a set time.

On the job site, we will teach you how to:

- Set up and use a robotic surveying instrument to provide the crews with the points on the ground they need.
- Check your accuracy from day to day and know what is “accurate enough”.
- Be alert for changes to the design, or our scope of work.
- Communicate any changes or schedule updates back to office.
- Collect measurements of existing anchor bolts, walls, or other structures into the tablet and export to the office.
- Use iPad for viewing and using the pdf drawings, pictures, markups and to aid in communication.

In the Office: When you're done out on the job site, there is plenty of work to be done in the office:

- Organize PDF drawings and upload them to our Procore.com site.
- Study drawings to look for missing or inconsistent dimensions, details. Make markups.
- Help with sending, receiving, and organizing emails requesting any info needed, RFI's.
- Organize files, save, move, rename files and folders in windows file explorer.
- In AutoCAD, we will teach you how to:
 - o Draw anchor bolt grid lines and bolt patterns. Draw building foundation outline and details
 - o Dimensioning your drawing to cross check against the original design, and to make a presentable drawing for others to understand.
 - o Creating PDF prints of your CAD drawing to share with the crew, or our customer.
 - o Calculating percent slopes, calculating steps rise and run.
 - o Find and fix site concrete design problems – fill in missing spot elevations.
 - o Load the CAD file and layout points from the office to the layout tablet.
 - o There is much, much more CAD work to do as your skills progress.

Typical Day

A typical morning for us involves driving to a construction site, arriving on time and ready at or before the crew's start time. Much of our work is in Dayton/Cincinnati area, so it could be a long drive.

Use the surveying instrument to locate and drive a wood hub and tac securely in the ground that the crews will be able to use for alignment of their excavation or rebar in the footing. There may be dozens of these offset hubs needed some days. Other mornings you will be using the surveying instrument to locate and drive concrete nails into the footing at the wall corners. Other days you may be laying out sidewalk or curb with elevations.

Work is at the jobsites primarily outdoors and in all types of weather conditions/environments.