



## Engineering Intern – Grade Level 8

**Reports to: Engineer or Project Manager**

### **Synopsis**

The Engineering Intern works in partnership with the Project Managers, Architects, Engineers, Designers and/or CAD Technicians, and is responsible for producing high quality calculations, designs, models and construction documentation using CAD/BIM software of various types. The successful candidate will work as a part of a national team delivering a variety of AEC services in the residential and commercial markets. They must have the ability to focus in a busy team environment utilizing strong time-management skills in order to successfully multi-task while producing work of high quality. They must possess and exhibit a positive, “can do” attitude even in high stress situations with an unwavering commitment to “world class customer service.”

### **Duties & Responsibilities:**

- Calculates dimensions, square footage, profile and component specifications, and material quantities, using calculator or computer.
- Analyzes proposed site factors and design maps, graphs, tracings, and diagrams to illustrate findings.
- Reads and reviews project blueprints and structural specifications to determine dimensions of structure or system and material requirements.
- Inspects project site and evaluate contractor work to detect design malfunctions and ensure conformance to design specifications and applicable codes.
- Prepares complex Architecture and Engineering construction drawings for residential and commercial projects utilizing AutoCAD Architecture, REVIT and/or Sapphire Build (Blackpoint).
- Produces Lot Specific and Master plans in accordance with Fieldstone and/or client-specific standards.
- Develops and drafts architectural and engineering details and plans, assists management in preparing proposals and generates correspondence for clients and managers.
- Performs fieldwork, documentation, research and drafting tasks of architectural and engineering data as requested by clients or managers.
- Consistently applies Fieldstone’s Quality Control procedures and takes ownership of their work.
- Manages the proper filing of project submittals, RFIs and other project records both electronic and paper.
- Complies with Fieldstone and client-specific standards (CAD, File Management, etc.).
- Participates in occasional team meetings to help resolve project issues such as coordination, scheduling, and technical concerns.
- Document time and expenses using Fieldstone’s business management system.
- Fosters a culture of external and internal client service.

### **Required Skills**

- Knowledge of the practical application of engineering science and technology. This includes applying principles, techniques, procedures, and equipment to the design and production of various goods and services.
- Knowledge of design techniques, tools, and principles involved in production of precision technical plans, blueprints, drawings, and models.
- Knowledge of residential and/or commercial construction techniques, construction documents, building codes and CAD concepts.
- Advanced CAD/BIM drafting skills. Proficiency in Revit preferred.
- Proficiency in Microsoft Office applications, including Word, Excel, Outlook and PowerPoint.
- Ability to effectively meet deadlines.
- Ability to communicate effectively in writing and verbally.

**Required Experience**

- Education: College enrollment in A.S. or B.S. in Engineering or Construction related field or significant experience in a professional environment drafting residential and/or commercial construction documentation.
- 1 plus years 2D and 3D experience in AutoCAD Architecture, Revit or Sapphire Build required.

**Position Type**

- Full-time/Temporary.