

**QAI Job Number:** QAI- R015  
**JOB TITLE:** Entry-Level Engineering Field Technician  
**LOCATION:** Rancho Cucamonga, CA  
**NUMBER OF POSITIONS:** 1  
**CATEGORY:** Technologist/Engineer  
**POSTING DATE:** July 1, 2011  
**CLOSING DATE:** September 30, 2011

**BACKGROUND:**

This position will be well-suited for a recent Engineering program graduate who enjoys a variety of hands-on building, laboratory work, customer service, business development, and travel. In operation since 1994, QAI provides evaluation services to the Construction and Materials Manufacturing sector, offering independent testing, inspection, product certification, quality control, and engineering evaluation of materials and designed building systems seeking building code compliance. QAI is privately owned and fast growing, with offices in Virginia, California, and British Columbia. We are looking for talented individuals to join our expanding team.

QAI is currently looking for applicants to fulfill the following role: **Entry- Level Engineering Field Technician, Job #: R015**

**JOB OVERVIEW:**

The Entry-Level Engineering Field Technician position consists of a wide range of engineering project management and field engineering duties, which support projects originating in any of our three offices. The Entry-Level Engineering Technician will conduct testing and inspection projects on-site at client facilities, and will also oversee testing and evaluation projects that are being conducted by project teams in one of our testing facilities. The Entry-Level Engineering Technician would operate primarily based in the Rancho Cucamonga, CA office.

**DUTIES:** The successful candidate will:

- Work in conjunction with the project leader for evaluation projects that include running laboratory tests on construction materials and mock-up constructions including any of the following: fire resistance, structural performance, effects of weathering and temperature exposure, materials properties.
- Determine project scopes by developing testing criteria, pricing, and timelines.
- Specify materials and construction specifications for evaluation projects.
- Visit client manufacturing sites to witness construction of test samples, document details of manufacturing and quality control in the factory, determine parameters for conducting follow-up quality control inspections, perform factory audits and document all findings in to a third-party factory inspection manual.
- Compile test data, analyze results, perform calculations, complete technical reports.
- Represent QAI at technical meetings such as ASTM, UL, etc. Standards committees, Building Code hearings, Industry Association technical committees.
- Communicate well with customers and other staff members by email, telephone, and in-person meetings (travel will be required on average 50% each month).

**CAREER GROWTH:** The successful candidate may work towards additional responsibilities:

- Assume the project leader role for evaluation projects as previously described.
- Oversee small project teams of 2-5 people, including laboratory and field staff.
- Opportunity to advance within the company to other management areas.
- Opportunity to relocate to one of our existing testing facilities, or possibility of relocating to a new site in the US or Canada if one is purchased or developed.

- Opportunity to develop a Field Office in a new location other than one of our existing facilities.

**QUALIFICATIONS:** The successful candidate will possess several of the following skills and/or qualifications:

- 2 yr or 4 yr degree in Civil Engineering or Mechanical Engineering, or similarly related technical or sciences educational background.
- 1 – 5 years of related work experience.
- Have knowledge and experience with building construction codes, testing and materials standards.
- Hands-on experience in a construction or machine shop environment with skills such as: use of power tools, welding, precision machining, wood-work and metal-work.
- Hands-on experience in construction or at a product testing laboratory.
- Strong aptitude with electronics and computer software such as: programming in Lab-View or other testing software, programming electronic gauges, automating mechanical processes.
- Experience with Quality Control standards such as ISO 9000 and conducting audits.
- Manufacturing process knowledge of building materials such as: concrete, plastic composites, engineered woods, windows, doors, roofing products.
- Project Management experience including project cost and timeline accounting.
- Experience interacting with customers and providing superior professional service.
- Excellent computer skills primarily with MS Word and Excel.
- Must have a valid passport and driver's license with no restrictions for travel between Canada, US, and Internationally.

**ADDITIONAL INFORMATION:**

QAI offers a competitive salary and benefits package, and tremendous opportunity for career expansion and diversity. The main US headquarters and testing facility is in Rancho Cucamonga, California, an hour east of Los Angeles, and serves as California's premier and state-of-the-art Construction Laboratory. Our Virginia office is located in the Washington DC area, and our Canadian office is located in Vancouver, BC. Our technical team consists of well-experienced and industry-respected testing technicians and construction engineers, with a blend of young talent and emerging industry leaders. We strive to serve our customers and community with optimum quality as our top priority.

**APPLYING:**

Interested candidates should submit their applications to [hr@qai.org](mailto:hr@qai.org). Please indicate the QAI Job number in the subject line of the email and in the subject line of your cover letter.

Please see our website at [www.qai.org](http://www.qai.org) for more information about QAI.