



USA: P.O. Box 1236, Littleton, CO 80160 Tel: +1-415-235-9930  
CHINA: Bldg 3, Floor 15, Unit 5, No. 81 Shun Jiang Road, Chengdu, Sichuan Tel: +86-28-84597345  
INDONESIA: Jl. Beringin IVB No. 4 Padang, West Sumatra Tel: +62-751-7054538

## **WORK FOR AN AWARD-WINNING NON-PROFIT SOCIAL ENTERPRISE IN HAITI.**

### **POSITION OPENING: Structural Engineering Team Leader**

Industry: Non-profit/International Development  
Function: Structural Engineering  
Employer: Build Change  
Job Title: Structural Engineering Team Leader  
Job Location: Port-Au-Prince or Build Change field offices, Haiti  
Start Date: Immediate  
Term: 8 months with possibility of extension  
Salary: Competitive, with medical insurance benefits and housing in Haiti

### **Organization Description**

Build Change ([www.buildchange.org](http://www.buildchange.org)) is an international non-profit social enterprise that designs earthquake-resistant houses in developing countries and trains builders, homeowners, engineers and government officials to build them. Build Change's designs are affordable, culturally appropriate, and use materials and techniques that will continue to be used after our intervention is finished.

Build Change has ongoing post-earthquake housing reconstruction programs in West Sumatra, Indonesia and Sichuan, China. So far, Build Change has improved the design and/or construction of over 6,400 houses, trained nearly 950 builders and over 1,000 technical high school students, engineers, and government officials in safe construction techniques. Build Change is opening an office in earthquake-devastated Haiti in June 2010.

Build Change is a US-based 501(c)3 non-profit in operation since 2004. Build Change has won grants from Echoing Green, Draper Richards Foundation, Mulago Foundation and Ashoka-Lemelson and was named a 2008 Laureate in the Equality Category for Technology Benefiting Humanity by the San Jose Tech Museum of Innovation Tech Awards. Build Change's work has been featured on abcNEWS World News Tonight, BBC Website, National Public Radio All Things Considered, and the New York Times.

### **Responsibilities:**

- Coordinate a team of Build Change local and international engineers and consultants to design earthquake-resistant, sustainable, and culturally appropriate homes for Haiti
- Complete a housing subsector study to evaluate locally appropriate home design options, and ensure technologies and solutions are consistent with Build Change's philosophy of earthquake-resistance, sustainability, and cultural appropriateness
- Provide inputs for and oversee the development of design criteria, structural and architectural drawings, bills of quantity, construction checklists, and training materials as necessary, for new and retrofitted confined masonry, reinforced concrete block, and timber construction
- Take ownership over scope, schedule, and budget for client-driven design projects, and represent Build Change in discussions with clients and partners
- Recruit, mentor and oversee consultants, local engineers, architects, drafters, and quantity estimators
- Solve problems and generate solutions in the field for special cases, especially retrofits and extensions of existing buildings
- Represent Build Change in discussions with clients and partners
- Identify technical/research questions and coordinate materials testing and experimental work with research partners
- Prepare weekly, monthly, project, and final reports

### **Qualifications:**

- Minimum 5 years professional experience in structural engineering with demonstrated experience managing a team of engineering staff and delivering outcomes on time
- Understanding of earthquake-resistant design and construction of confined masonry, reinforced masonry, and timber buildings
- Professional Engineering license (or equivalent) in civil (structural) engineering



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- Work experience in an elite management setting, or some kind of successful entrepreneurial experience such as starting a field program in a developing country, leading a large event, or starting a business
- Project management skillset that includes ownership over milestones, workplans, reporting, using computer tools such as Excel and Powerpoint
- Top-performing educational background in earthquake engineering, preferably from a leading school
- Hands-on construction experience in masonry, reinforced concrete, and carpentry is helpful
- International development experience and willingness to live and work in a post-disaster setting for at least six months; experience in Haiti is a strong plus
- No ego, drama, or pessimism; the successful candidate will be flexible, humble, patient, and have a good sense of humor.
- Fluent English with working knowledge of French and Creole strong pluses.

### **To Apply**

Email cover letter and resume to [build.c.hire@gmail.com](mailto:build.c.hire@gmail.com) with Subject Line: Haiti Structural Engineering Team Leader. Applications will be accepted through July 26, 2010. Qualified women, Haitian citizens, members of the Haitian diaspora, and candidates with French and Creole language skills are strongly encouraged to apply. Only shortlisted candidates will be contacted.