

Building Energy Engineer

Reports To: Director of Existing Building Services

Group14 Engineering is an engineering consulting firm specializing in the built environment. Our services include building commissioning and energy audits, energy modeling and consulting on LEED/ sustainability. Our office culture is one that promotes great work while maintaining a work-life balance. Our LEED Platinum office is located just outside of downtown Denver in the historic Uptown neighborhood.

Primary Purpose:

The Building Energy Engineer supports the Existing Buildings team in executing energy audits, HVAC system assessments, operations and maintenance training, measurement and verification, and retro-commissioning for existing buildings. Position will include a combination of analytical desk work, report writing, client engagement, and field testing. Tasks will be performed under supervision of service area managers.

Principal Duties:

- Perform field activities within existing buildings including onsite HVAC system assessments, energy audits, and retro-commissioning tasks.
- Conduct project site surveys to verify existing conditions of architectural, mechanical, plumbing, and/or electrical systems.
- Evaluate existing system design of mechanical or electrical systems supporting HVAC, central plant and building automation systems.
- Prepare and execute test procedures for mechanical system operation.
- Perform data input, utility rate analysis, savings analysis, and evaluation of energy conservation measures.
- Generate energy and water conservation measure narratives.
- Develop bid specifications that guide the implementation of energy and water conservation measures.
- Create written reports that describe findings and recommendations.

Education, work experience and/or training typically possessed by qualified candidate:

Education:

- Bachelors of Science Degree in Mechanical, Architectural Engineering or similar discipline required.
- Successful completion of the Fundamentals of Engineering (FE) exam is preferred, but not required.

Experience:

- 3-5 years work experience in energy auditing or retro-commissioning OR
- 3-5 years work experience in energy efficient HVAC system design OR
- 3-5 years work experience in the installation and maintenance of commercial HVAC systems
- Experience with building energy modeling software such as eQuest, Energy Plus, or other DOE approved software is a plus, but not required.
- Controls programming and installation experience is a plus, but not required

Knowledge, skills, and abilities typically needed for competent performance:

- Proficient in computer skills utilizing current Windows operating systems and software.
- Experience with spreadsheets, data entry, formulas, and data manipulation.

- Experience with HVAC systems including cooling, heating, and air distribution systems.
- Experience with basic HVAC design including basic psychrometrics and heat transfer concepts.
- Experience with HVAC system installation and maintenance.
- Proficient speaking and writing skills for report writing and presentation to clients.
- Strong analytical skills.
- Keen attention to detail.
- Able to manage time effectively and meet deadlines.
- Ability to be flexible, adapting to changing or competing priorities.
- Ability to work in a variety of team environments, from office professionals to field personnel.

Physical and/or travel demands:

- Able to conduct on-site surveys in variety of building types accessing rooftop units, mechanical rooms, and basement equipment, or equipment located on building grounds outdoors.
- Some travel may be required, although the majority of projects will be located in the region.

To Apply:

Please include the following in your correspondence:

- A. A cover letter that includes:
 1. An overview of your key strengths, both professionally and personally.
 2. A description of your activities in the sustainable green building movement.
 3. The reasons you feel you're a great addition to the Group14 team.
- B. Your resume.
- C. A writing sample.
- D. Any additional information you feel is beneficial in our understanding of you and your work.

Submit your cover letter and resume to Natalie Weber at nweber@Group14eng.com. Include "Building Energy Engineer" in the subject line.

Successful applicants will be called to schedule a phone interview. After a successful phone interview, an in-person interview will be scheduled which may include a writing test and demonstration of computer proficiency.