

Mechanical Engineer

Job Description

We have immediate openings for qualified Mechanical Engineers. This position is to serve as a Mechanical Engineer on one of Elara's Design Teams which supports all of the company's product offerings with specific emphasis on performing conceptual design, preparing engineering construction documentation and overseeing implementation for a wide variety of projects.

Qualifications

- Candidate must have a minimum bachelor's level degree in engineering or equivalent relevant experience.
- Candidate must live in the Chicagoland area or be willing to relocate.
- Candidate must be proficient in the use of Microsoft Office.
- Candidate must be proficient in the use of AutoCAD 2013 or later.
- 2 or more years relevant professional experience is preferred.
- Familiarity with City of Chicago Code is preferred.
- Proficiency in Revit 2017 or later is a plus.
- EIT and/or PE Certification is a plus.

Responsibilities

- Perform site visits to obtain additional information and verify as-built conditions.
- Perform heat gain and loss calculations.
- Assist in developing energy models (per LEED guidelines where necessary).
- Perform equipment selections and layouts.
- Generate drawings to Elara drawing standards utilizing AutoCAD or Revit.
- Design piping and ductwork layouts and sizing.
- Perform pressure drop calculations.
- Perform coordination with other disciplines for project specific information.
- Perform code reviews (City of Chicago, International and local codes).
- Prepare project specifications (drawing and book type).
- Manage project documentation.
- Attend project meetings and make site visits.
- Prepare bid documentation.
- Respond to requests for submittals, Contractor RFI's and Change Orders.
- Perform site visits during construction.
- Prepare and submit punch-lists for project closeout.
- Assist in preparing LEED submittal documentation for engineering related points.
- Prepare post-implementation analyses.

Benefits

- Medical, Dental and Vision insurance
- Long Term Disability Insurance
- Life insurance
- 401K Plan
- Paid vacation, personal/sick and volunteer time
- Paid holidays
- Mentorship Program and Volunteer Program
- Bonus based on personal and company performance

Note: Travel outside the Chicagoland area is rarely required.

