

Job Title: Senior Engineer – Structures
Reports to: Group Director

Eckersley O'Callaghan is seeking creative thinkers to join its growing team in New York City. EOC is one of the most innovative engineering design firms in the world. Our international reputation has been cultivated through a commitment to research and innovation. We lead the development of the latest technologies, collaborating with our partners in industry. Our expanding team in New York is looking for an experienced Senior Engineer with a range of technical design expertise to lead the design on a variety of high-profile local and national projects, ranging in both scale and scope.

DESCRIPTION

We are looking for someone with the following:

- A Bachelors or Masters degree in structural or civil engineering
- Professional Engineer licensure preferred
- 4+ years' proven experience in structural engineering with an interest in structural glass / facade engineering
- Good communication skills and collaborative approach
- An interest in buildings, architecture, and the built environment
- An interest in non-standard structural systems, including facades, structural glass and feature staircases
- Working knowledge of US standards
- Experience delivering technical drawings and detailed calculations for structural and/or facade projects

Candidates will preferably be based in the US although EOC will consider applicants outside of the US and those requiring sponsorship.

KEY RESPONSIBILITIES

- Report to the New York team Associates
- Represent EOC at workshops, design team meetings and site meetings
- Manage projects and work collaboratively with internal teams of senior and junior engineers
- Develop structural and facade designs on projects at a range of scales in concrete, steel, aluminium, glass and other materials
- Coordinate with architect and other engineering consultants as part of the team
- Review their own and others' work as part of quality assurance
- Maintain up to date technical knowledge
- Use analytical software effectively and interpret the outputs well
- Apply theory to practice and in a logical way
- Highlight potential problems and look for a resolution

JOB KNOWLEDGE, SKILLS & EXPERIENCE

- Professional Engineer licensure preferred
- A keen interest in engineering and design
- Able to prioritise workload, meet tight deadlines and work effectively within a team
- Able to build effective working relationships with professionals of all levels and disciplines within the organisation
- Knowledge of Structural Analysis FEA software (Strand7, MEPLA, ETABS, Bentley), 3D modelling software (Revit, Rhino, Grasshopper, AutoCAD, etc) Working knowledge of design software for structural analysis

PERSONAL QUALITIES

- Good organisational skills and the ability to cope with a variety of tasks
- A flexible, positive approach and the ability to work as part of a team in a busy, creative atmosphere
- Excellent interpersonal skills with the ability to communicate with people of all levels