

Job Title: Facade Engineer
Reports to: Director
Job Purpose: We require a Facade Engineer specializing in building envelope design with a strong background in facade detailing, roofing systems, and waterproofing design who shares our passion for creative design and technical excellence.

DESCRIPTION

Eckersley O'Callaghan is one of the most innovative engineering design firms in the world, with a global reputation cultivated through a commitment to research and creative thinking. We enjoy working with a range of materials, forms and building types across diverse sectors and project scales to deliver imaginative solutions. Our multiple award-winning collaborations with forward-thinking architects such as Foster + Partners, Zaha Hadid Architects and Heatherwick Studio, for clients that include Apple, Google, Vitsoe and Bulgari, have placed us at the forefront of design in structures and facades. Our commitment to sustainability, digital design, and continuous research and development remains at the core of our approach.

We offer a stimulating work environment with enthusiastic, intelligent, hard-working colleagues, and support personal development through training and project opportunities. Our principal office is in London, with other offices in Manchester, Paris, Milan, New York, Los Angeles, San Francisco, Delhi, Hong Kong, Shanghai and Sydney.

Our expanding Los Angeles team is looking for a Facade Engineer with consulting experience in roofing and waterproofing to support and lead the delivery of facade envelope design on a variety of high-profile local and international projects, ranging in both scale and scope.

Applicants should have US right to work and be based in the US.

We are looking for people with the following **skills**:

- A Degree or Masters, in Engineering or Architecture (or equivalent experience)
- 2+ years of technical experience in the investigation, troubleshooting, design, and detailing (especially at transitions) of several of the following building envelope systems, materials, and applications:
 - Fenestrations, glazing and curtain wall systems
 - air barriers, and weather barriers
 - cladding assemblies
 - low-slope roofing
 - plaza/terrace waterproofing
 - traffic coatings
 - green roofs
- Working knowledge of US standards and industry guidelines
- Good understanding of design parameters for a range of roofing membranes, cladding materials, sealants, and waterproofing products
- Strong sketching and drawing skills using CAD software, as well as 3D modelling
- Strong written and verbal communication skills in English
- Works effectively with multidisciplinary teams, contributing to coordinated project delivery
- Ability to manage workload independently while collaborating effectively with the wider team
- Ability to manage multiple projects and prioritise effectively to meet agreed deadlines

RESPONSIBILITIES

- Managing workload across several projects simultaneously, collaborating with clients, architects, and engineering consultants to deliver optimized roofing and waterproofing facade design outcomes.
- Supporting project managers on project deliverables; producing facade detailing, drawings, specifications, and reports, coordinated with all relevant parties to a high standard
- Representing the company at workshops, design team meetings and site meetings
- Carrying out site observations, roofing and waterproofing inspections, factory visits, witnessing of mock-ups and testing, and preparing technical reports
- Developing and nurturing relationships with clients and external industry bodies
- A willingness to travel for project site visits

JOB KNOWLEDGE

- Working knowledge of design and analysis tools, including facade detailing software, moisture and thermal analysis tools, and building physics assessment software
- Working knowledge of relevant design software, including for structural analysis
- Experience in the use of Revit and CAD software
- A keen interest in building envelope technology

WE OFFER

- A structured professional development and training programme with pathways to chartership.
- An inclusive workplace that values diversity, collaboration, and professional excellence
- Opportunities for continuing professional development and mentoring.
- Access to research, innovation, and internal R&D initiatives.
- Collaboration opportunities with our international offices
- World-class projects with respected architects and collaborators
- A supportive environment that encourages career growth at all stages.

Please send us an email with your CV, covering letter and portfolio (or another creative way of showing examples of your work and skills), with subject line reference **EOC-LA-FE** to: recruitment@eocengineers.com