

Cold Formed Metal Framing Engineer

General Characteristics

A Cold Formed Metal Framing (CFMF) Engineer is experienced in CFMF design for both load-bearing and in-fill framing projects. A CFMF engineer is sought internally and externally for consultation in unique and challenging CFMF engineering applications within their recognized expertise. This position requires the use of advanced techniques and the modification and extension of theories, precepts, and practices of structural engineering. The knowledge and expertise required for this level of work results from progressive experience. A minimum of 10 years of relevant CFMF design experience is required for advancement to this position. Extensive experience with other building materials is a plus.

Direction Received

Supervision and guidance related largely to overall objectives, critical issues, new concepts and policy matters. Consults with fellow Senior Engineers and/or Associates concerning unusual problems and developments.

Typical Duties & Responsibilities

A CFMF Engineer (CFMFE) functions in a supervisory capacity directing Engineers, Technicians, and Designers in accomplishing the design of CFMF projects. The CFMFE works in conjunction with a Project Manager, Senior Project Manager, Associate, or Principal in setting and accomplishing project goals.

Partial List of Responsibilities

- Serve as Project Manager on CFMF projects
- Structural calculations
- Plan layout and detail development
- Detailed knowledge of analysis and plan production software
- Full structural design drawing assembly and specification compilation for projects of most types and scale
- Perform full range of construction administration tasks: RFI's, submittal review, site observation visits
- Comply with project schedules
- Maintain orderly paper and electronic files
- Routine client communication
- Assist Associates with administrative and development assignments as requested/directed
- Responsible for major projects from the technical, financial, and schedule perspectives
- Proposal development
- Primary vehicle for communication with clients
- Direct administrative and development assignments as defined by the management team
- Assist in training/mentoring of junior staff

Responsibilities for Direction of Others

A CFMFE supervises, coordinates, and reviews the work of Engineers, Designers, and Technicians on CFMF projects. They are responsible for estimating workforce needs and schedules, and assigning work to meet completion dates. CFMFE is also responsible for fostering the technical and professional development of Engineers, Designers, and Technicians assigned to them.



Education

Bachelor's Degree in engineering from an ABET accredited curriculum or equivalent, plus appropriate continuing education. Master's Degree encouraged.

Registration

Registered Professional Engineer (PE). SE required.

Typical Professional Attainments

Member of professional society (Member grade).

Member of technical committees.

Publishes engineering papers, articles, or makes presentations, gives lectures, and provides internal and/or external training, etc.