

Stantec Consulting Inc.

Senior Mechanical Engineer required to accomplish the design of building mechanical systems including HVAC, plumbing, and piping systems. Design tasks and responsibilities include development and production of construction document plans and specifications, HVAC load calculations, friction loss calculations (NPSH), pumps/fans selection using performance curves, and compliance with and understanding of UMC, UPC and related building codes. Construction administration responsibilities include submittal review, RFI processing and field progress observations. Project management responsibilities include proposing and managing the scope, schedule and budget of the mechanical design and related electrical design. Client management responsibilities include identifying, securing and maintaining an external client base that will generate work for the mechanical engineering group, including business development and proposal preparation.

Responsibilities:

Must be a self-starter and able to work independently with a minimum of technical and managerial supervision. Arizona registration as a mechanical engineer is required. Fire protection design experience and registration is highly desirable. Design proficiency utilizing AutoCAD 2005 is a plus. Proficiency in Microsoft Outlook, PowerPoint, Word and Excel is required. Knowledge of AutoDesk Building Information Systems is highly desired. LEED Accredited Professional status is highly desirable.

Knowledge: AutoCAD 2000i, Microsoft Office 2000, Trace, USGBC project LEED certification

Skills: excellent communications and project coordination skills, both verbal and written

Abilities: Work with minimal supervision, work on multiple projects at the same time

Qualifications:

Individual should have a minimum 10 years experience designing mechanical systems for commercial, industrial, federal governmental facilities, institutional, educational or similar applications and be experienced in creating complete drawings for these types of projects. Experience must include work for an architectural/engineering firm or a firm routinely operating as a sub-consultant to architects. Emphasis is on HVAC, plumbing and fire protection expertise. Design experience should include design of the following system types: Chilled/Hot water (both 2 pipe and 4 pipe), DX packaged (both electric and gas heat), water source heat pump, constant volume fan coil and air handler systems plus variable air volume, variable frequency drives, heat exchangers, boilers, and steam and gas heating systems. Experienced preferred in field verification of construction and construction cost estimating. Experience in preparing design project proposals is required.

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Gary L. Emmett, P.E.

602-707-9450

Phoenix, Arizona

<http://www.stantec.com/careers/careeropportunities/default.htm#>. Select search careers in the US and then select Phoenix, Arizona - Buildings Engineering.