



## MECHANICAL ENGINEER, WEST POINT, NEW YORK

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M.J. Engineering and Land Surveying, P.C. is seeking a full-time Senior Mechanical Engineer for a project located at the United States Military Academy. This individual will be responsible for providing mechanical engineering (HVAC / plumbing) services as a member of the Construction Management Service Team. This project is expected to begin in April 2020 and last a minimum of one year.

### LOCATION: UNITED STATES MILITARY ACADEMY, WEST POINT, NEW YORK

#### GENERAL JOB DUTIES INCLUDE:

- Primary responsibility will be as an on-site representative performing inspections and comprehensive mechanical engineering support in construction management, planning and supervising mechanical installation controls and commissioning.

#### DETAILED JOB DUTIES INCLUDE:

- Participate in progress meetings with staff and contractors during construction.
- Complete field investigations relating to project work
- Review contractor submittals during construction
- Field questions from contractors during construction
- Complete periodic construction assessments of active projects

#### EDUCATION, EXPERIENCE, & OTHER REQUIREMENTS:

- Bachelor's degree in Mechanical Engineering is required; master's degree is a plus
- 6+ years of mechanical (HVAC / plumbing) design experience is required
- Building system inspection / assessment experience is required
- Experience in development of process and Instrumentation Diagrams, Process Flow Diagrams, and general equipment and system distribution arrangements
- Experience in refrigeration systems, hydronic systems, chilled water, hot water, steam systems, etc.
- Experience performing construction administration related tasks for completed designs such as construction inspections, shop drawing review, answering contractor questions and RFI's
- Must have knowledge of current State and International Building Codes
- Understanding of the Unified Facilities Criteria (UFC) and general military design and construction practices and standards preferred but not required
- Knowledge of the following software is a plus - AutoCAD, Revit
- Must be organized, flexible, and can work both independently and in a team environment
- Good oral and written communication skills
- Good interpersonal skills
- Strong work ethic
- Quality/detail oriented
- US citizenship required
- Valid driver's license required.