

SUPERVISOR OF DESIGN

Rev. 7/83  
Erie County  
H-062  
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JG XV  
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DISTINGUISHING FEATURES OF THE CLASS: The work involves responsibility for the coordination of the design team effort as it pertains to engineering aspects of County Public Works' projects. The incumbent assists in the development of policy and provides professional opinions concerning technical aspects of a wide variety of engineering projects. The incumbent works with private consulting engineers who are under contract to the County for design work. Work is performed under the general supervision of the Commissioner of Public Works and the Director of Building Projects. Supervision is exercised over a team of departmental engineers and draftworkers as they perform advanced professional/technical engineering work. Does related work as required.

TYPICAL WORK ACTIVITIES:

Supervises the designs of heating, ventilating and air conditioning systems, plumbing systems, and electrical systems for County structures when performed by staff members (as well as consulting engineers);  
Conducts ongoing reviews of consultant design of various heating, ventilating and air conditioning, plumbing and electrical systems from the initiation of the project through the receipt of bids for the work involved;  
Inspects new construction work of the systems outlined above, assuring their operation and compliance with the contract documents;  
Inspects existing heating, ventilating and air conditioning, plumbing and electrical systems for the purpose of recommending improvements, repairs, revisions or replacement of said systems;  
Prepares cost estimates on new and improvement projects, recommends cost savings ideas to consultants, and reviews any changes recommended by consultants with regard to function and cost;  
Develops procedural policy for researching heating, ventilating and air conditioning, plumbing and electrical systems and to be informed on latest technological advances in the industry.

FULL PERFORMANCE KNOWLEDGES, SKILLS, ABILITIES AND PERSONAL CHARACTERISTICS:

Thorough knowledge of the principles, practices and terminology of mechanical and electrical engineering; thorough knowledge of construction estimating relative to mechanical engineering; thorough knowledge of physics and mathematics as applied to engineering; thorough knowledge of sources of information concerning engineering research and economics; thorough knowledge of personnel supervision principles; ability to supervise complex engineering studies and to prepare drawings and specifications; sound professional judgment; initiative; resourcefulness; dependability; physical condition commensurate with the demands of the position.

MINIMUM QUALIFICATIONS:

Graduation from a regionally accredited or NYS registered four year college or university with a Bachelor's degree in Civil, Mechanical or Electrical Engineering and six years of civil, mechanical and/or electrical engineering experience,\* at least two years of which must have been in a supervisory capacity.

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\*Candidates must have expertise in at least one specialty within the Mechanical Engineering discipline, such as HVAC systems, plumbing systems, electrical systems, etc.

SPECIAL REQUIREMENT:

Candidates must possess a license issued by the State of New York to practice as a Professional Engineer.

NOTE: Verifiable part-time and/or volunteer experience will be pro-rated toward meeting full-time experience requirements.