

SENIOR ENGINEERING TECHNICIAN (MECHANICAL)

DISTINGUISHING FEATURES OF THE CLASS: Under general supervision, an incumbent is responsible for performing non-professional mechanical engineering work, including inspection of mechanical aspects of work being performed. Supervision is not a responsibility of this position, although incumbents may function as lead technician over non-professional field and office staff providing technical guidance and training. Does related work as required.

EXAMPLES OF WORK: (Illustrative Only)

Uses test instruments to collect data on operating systems and components in the fields of heating, ventilating, air conditioning, and refrigeration;

Assists in making computations, taking off quantities from drawings, and making time and cost estimates for work by piping and mechanical trades for projects involving buildings, swimming pools, and other fixed structures;

Inspects mechanical aspects of work being done on buildings, swimming pools, and other fixed structures for compliance with specifications;

Prepares monthly estimates of work under contract;

Does routine drafting in field or office.

REQUIRED KNOWLEDGE, SKILLS, ABILITIES AND ATTRIBUTES: Good knowledge of the principles and practices of mechanical engineering; ability to draft details from rough sketches and standard office designs concerned with the mechanical aspects of buildings, swimming pools, filter systems, toilet and service buildings, and heating, electrical, and air conditioning systems; ability to take off quantities accurately, and apply unit price and time data to estimate construction costs on the above types of projects; ability to accept responsibility; ability to get along well with others; reliability; accuracy; physical condition commensurate with the demands of the position.

MINIMUM ACCEPTABLE TRAINING AND EXPERIENCE: Either: (a) completion of a two year course* in mechanical technology at a recognized post high school, trade or technical school and three years of experience in the field of mechanical engineering or a related field, or (b) high school or equivalency diploma and five years of experience in the field of mechanical engineering or a related field; or (c) a satisfactory equivalent combination of training and experience as defined by the limits of (a), (b) or (c).

SUBSTITUTION: College education toward a Bachelors Degree* in Mechanical Engineering may be substituted at the rate of 30 credit hours for one year of experience up to a maximum of three years.

*SPECIAL NOTE: Education beyond the secondary level must be from an institution accredited or recognized by the Board of Regents of the New York State Education Department as a post-secondary, degree-granting institution.

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Job Class Code: C0952
Job Group: VIII