

CLASS TITLE: **Fire Prevention Engineer III**

CHARACTERISTICS OF THE CLASS: Under general supervision, performs fully functioning professional engineering work in the review of construction plans and drawings for compliance with the City's Fire Code; and performs related duties as required.

ESSENTIAL DUTIES: Reviews building plans of high rise construction projects and upgrades to rehabilitated buildings to ensure structures are in compliance with the fire prevention and safety requirements of the City's Fire Code; examines construction documents including blueprints to review design layout and engineering specifications of fire protection systems and their operation; conducts plan reviews for the installation of standpipe systems, sprinkler systems, fire alarm systems and other fire protection equipment to ensure compliance with fire code requirements; interprets fire code requirements and explains recommended plan revisions to contractors, architects, and Fire Department inspectors in order to bring construction plans into code compliance; advises Fire Department inspectors on the interpretation of fire protection requirements and provisions of the City's Fire Code.

RELATED DUTIES: Testifies in court regarding code violations and the interpretation of the City's Fire Code; represents the department on special public safety task forces; conducts on-site reviews to test fire alarm systems of new or rehabilitated buildings for code compliance and proper operation prior to building occupancy; may prepare draft amendments to the fire code as required.

MINIMUM QUALIFICATIONS:

Training and Experience. Graduation from an accredited college or university with a Bachelor's degree in Fire Protection or Mechanical Engineering or a directly related area of engineering, supplemented by two years of progressively responsible fire protection engineering experience, or an equivalent combination of training and experience.

Knowledge, Abilities and Skill. Good knowledge of the principles and practices of modern fire prevention engineering methods. Good knowledge of the requirements and regulations of the City's Fire Code. Good knowledge of federal and state laws relating to fire protection

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and safety issues. Good knowledge of building construction methods.

Ability to perform detailed reviews of construction plans and engineering specifications of fire protection systems. Ability to interpret and apply fire code requirements in the review of construction plans. Ability to deal effectively with contractors and architects. Ability to access multi-level facilities.

Skill in the application of fire protection engineering theory to fire safety issues. Skill in reviewing construction plans and identifying violations of the City's Fire Code. Good oral and written communication skills.

Working Conditions. Inside: General office environment.
Outside: May be exposed to noisy or dusty environment.

Equipment. Standard office equipment.

NOTE: While the list of essential duties is intended to be as inclusive as possible, there may be other duties which are essential to particular positions within the class.

June, 1996