

Fire Protection Systems Narrative

General Criteria and Specification Listings

The fire protection system installation will meet the requirements of the following codes and standards:

- International Building Code, 2018 Edition with Georgia amendments
- Rules and Regulations of the Safety Fire Commissioner
- NFPA-13, Standard for the Installation of Sprinkler Systems, 2013 Edition.
- Local codes and ordinances as applicable.

All equipment, devices, and fixtures will be new and conform to the standards of the following where such standards are applicable:

- National Electrical Manufacturers Association.
- Underwriters' Laboratories, Inc.
- American Society of Mechanical Engineers.
- American National Standards Institute.
- National Fire Protection Association.

Systems Description

All areas of the building will be provided with fire protection systems, hydraulically calculated, and furnished and installed in accordance with the codes and standards listed. Floor control valves will be provided at the branch connection for each floor.

Fire protection systems will be furnished complete including a new 6" connection to the Municipal water system. Water department requirements pertaining to metering and backflow prevention will be met. Preliminary water flow information is not available at this time but it is estimated that the existing water mains in the area will meet the requirements of the sprinkler system. The fire service entrance will require approximately 12 square feet of floor area on the Level 0.

Preliminary water flow information is not available yet but it is anticipated that the existing water mains in the area will meet the requirements of the fire protection systems without the need for a fire pump. The existing sprinkler riser entrance will be re-used.

Sprinkler heads will be quick response type. Sprinkler heads in areas scheduled to have lay-in ceilings will be semi-recessed pendant type with chrome plated, adjustable escutcheon plates. Sprinkler heads in areas scheduled to have hard ceilings will be fully recessed flush pendant type with cover plates.

Sprinkler heads will be upright brass in areas without ceilings. All materials utilized in installation will meet requirements of NFPA 13.

End of Fire Protection Narrative