

Fire Protection System

28.30.00

Description:

The purpose of the section is to provide guidelines for the design and installation of fire protection equipment, rooms and systems on the UMD campus.

Related Sections:

- 01 86 13 Mechanical Equipment Room Requirements
- 21 00 00 Fire Sprinkler

Effective Date:

January 1, 2023

Applicable Standards:

- NFPA 101, Life Safety Code

General Requirements:

- The following equipment shall be included as part of a comprehensive system for fire protection in accordance with NFPA 101, Life Safety Code and approved by Facilities Management.
 - A complete multiplex fire alarm system with a control panel located in a designated fire protection services room, or as specified.
 - A textually graphic annunciator in the main lobby areas and other locations as designated.
 - Standard fire alarm signals, claxon horns and flashing lights located throughout the building.
 - The connection of the system with the University Fire Alarm Monitoring System (UFAMS).
 - The use of smoke detectors, magnetic door releases, manual pull stations, and HVAC controls where appropriate, and as required.
 - A complete automatic sprinkler system throughout the building with main controls in a designated fire protection services room.
 - A complete standpipe system (combined with the sprinkler system) for fire department use in areas of the building with three or more stories and as directed.
 - Fire extinguisher cabinets.
- The entire system and all equipment are to be designed and/or specified in accordance with the latest addition of all applicable codes and standards.
- In cases in which sensitive electronic equipment is to be located within the facility, it will be necessary to design a fire detection system capable of interrupting the power supply to the equipment. Halon or carbon-dioxide type suppression systems shall not be specified.
- Coordination with Facilities Management to insure conformity of all new fire protection equipment is required.
- As designated, locate fire pump equipment room in a manner that allows for (a minimum) of one (1) entrance door with direct access to the exterior. The door should be sized to accommodate required periodic servicing and/or removal of installed equipment.