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GENERAL FIRE SUPPRESSION REQUIREMENTS

1. GENERAL

- A. Related sections:
 - i. 00 00 07 – Design Professional Design Process Requirements
 - ii. 01 41 26.04 – Fire Marshal Construction Inspection Requirements
- B. Fire Department Connections (FDC) are preferred to be placed at same location as Post Indicator Valve (PIV) and to not be placed on the building.
- C. **For UGA Athens Campuses Only:**
 - i. Athens-Clarke County requires a fire suppression system in all parking decks. This is an interpretation by the Authority Having Jurisdiction and is non-negotiable.
- D. *Dry pipe systems shall be Nitrogen Generation Corrosion Inhibiting System.* This system shall be designed to service all Dry and/or Pre-action fire protection systems.
 - i. The Nitrogen Generation System shall be provided with air compressor and a Nitrogen Generation System controls cabinet.
 - ii. The integral controls shall include the following as a minimum:
 - 1. Shall have local human machine interface (HMI).
 - 2. Shall monitor leak rate, hours of operation of the nitrogen generator, time in air bypass mode, generator pressure, current status of nitrogen generator, maintenance schedules, provide service reminders, and alarms.
 - 3. The control system shall be BACNET compatible.
 - iii. *The system shall be started by an authorized factory representative.*
 - iv. Basis of design shall be South-Tek or an approved equal.
- E. Flexible sprinkler piping/heads are not allowed above hard ceilings.
- F. Where chemicals are used and stored in facilities, coordinate fire protection to ensure compatibility with contents stored (i.e. use of pyrophoric chemicals have a volatile reaction to water).