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 call 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).**