

The design guidelines, which follow, are intended to supplement the Educational Specifications.

Materials and/or types of equipment shall be as follows:

**Fire Suppression System.**

**Conform to the current Fire Prevention Code and Florida Building Code, with the system being designed per NFPA-13, the Jacksonville and State of Florida Fire Marshal's office and DCPS Insurance Company's requirements. Prefer that fire protection pipe not pass through such rooms (Electrical closets, IT and MTR closets/rooms). Also prefer the installation of High Temperature heads side wall mounted be used in all electrical rooms and communications closets including data and IT closets.**

**Design :**

All above grade 8" and smaller diameter piping shall be Threaded Black steel Schedule 40. (Above grade 1" and Larger CPVC piping is allowed but as an alternate) . Locate all sprinkler heads in center of ceiling tile is preferred (flexible steel piping from sprinkler head to approx. 3' distance to supply piping is desirable. Flow indicators and supervisory switches are desired.

High temperature heads are required at all electrical and communication closets including Data and IT closets.

Upright Sprinkler Heads to be used in rooms such as theaters, auditoriums, gyms, garages and storage rooms which have no ceilings. Design heads flow rate to meet codes for such rooms. Design professional to verify during the design process where concealed heads are to be used with the DCPS design PM.

The used of dry pipe system maybe consider for certain areas of a project such as stage, performance areas or large computer rooms or Tech centers but must be verified with the DCPS design PM.

Sprinkler heads exposed to high temperatures such are kitchens and kiln rooms shall have an intermediate temperature rating as allowed by code.

No work on the project shall proceed unless Fire Suppression System is approved by the referenced codes above, DCPS Code Enforcement office, DCPS Insurance company and before shop drawings are approved .

Provide at least 6hrs training for the schools principal and staff, DCPS assigned maintenance station staff and DCPS PM.