

# MCKINNEY FIRE DEPARTMENT

## Fire Prevention Division, Fire Marshal's Office

### Information Notice 2009-01

**Subject:** Storz FDC Requirement  
**Effective:** April 1<sup>st</sup>, 2009  
**Code Reference:** 2006 IFC, Section 903.3.6 & 903.3.7

**Scope:**

Inform owners, general contractors and fire sprinkler contractors of the requirement for the size and connection type of the Fire Department Connection (FDC) for all standpipe and sprinkler systems.

**Description of Code Reference:**

IFC Section 903.3.6 states that the requirements for the fire hose threads, fittings and connections to the automatic sprinkler systems shall be determined by the fire code official.

**Ruling/Interpretation**

For all NFPA 13 Sprinkler and NFPA 14 Standpipe systems exceeding 500 GPM, the FDC shall be a five-inch (5 in.) Storz. The Storz connection shall have a 30 degree elbow downward deflection to grade and shall be mounted a minimum of 36 in. (3 ft.) and maximum of 48 in. (4ft) from the grade.

For systems that do not exceed 500 GPM (including system demand and hose stream) the traditional 2-½ in. Siamese (2 outlet) connection, with Knox locking caps may be used if permitted by the Fire Marshal. However, it is recommended that the Storz connection is used.

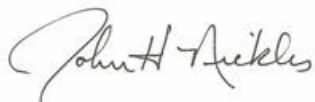
NFPA 13R sprinkler systems can use the traditional 2-½ in. Siamese (2 outlet) connection, with Knox locking caps.

A sign shall be placed above the Storz connection to indicate "FDC". The sign shall be red in color with 6 in. white lettering, and shall be reflective.

It is recommended that a semi-permanent ¼ in. mesh screen is provided inside the Storz adapter constructed of corrosion resistant metal to prevent unwanted debris from entering the sprinkler system.

Remainder of the FDC requirements remain unchanged.

**Approved:**



John Nickles, Fire Marshal