



KERNERSVILLE FIRE RESCUE

Fire Marshal's Office

Post Office Drawer 728 • Kernersville, North Carolina 27285-0728

Fire Department Connections

The fire department connections for standpipe or sprinkler systems are important supplements to normal water supplies. Under fire conditions, these devices permit the fire department to increase the water supply and pressure to fire protection systems, which may be materially reduced by a larger number of sprinklers operating or by the use of hose streams from standpipe risers.

- (1) Minimum size pipe shall be four-inch diameter.
- (2) Fire Department Connections (FDC) shall be remotely located with location approved by the Fire Marshal's Office.
- (3) All fire department inlet pumper connections shall be 4" Storz type with protective caps.
- (4) Sprinkler systems requiring flows up to 1,000 gpm shall require one (1) 4" Storz connection. An additional 4" Storz connection shall be provided for each additional 1,000 gpm of flow required by the sprinkler system.
- (5) All fire department connections shall be located not less than 24 inches, nor more than four feet above finished grade.
- (6) All exposed pipe shall be painted red.
- (7) An approved FDC sign shall be placed at the connection. Signs shall be white reflective background with red reflective letters FDC. They shall be minimum of 12" wide by 9" high with minimum 5" letters.
- (8) All fire department connections shall be provided a clear space of ten feet horizontally and vertically in all directions.
- (9) All fire department connections shall be readily visible and not more than 50 feet from a street, fire lane or similar area providing access to fire department apparatus. The area between the connection and vehicular access shall be free of obstructions.
- (10) There shall be an approved pumper fire hydrant within 100 feet of the fire department connection measured along an approved path of travel for the fire apparatus. Fire hydrants shall not be closer than 25 feet to the fire department connection without prior approval of the Fire Marshal's Office.