

O'FALLON FIRE DEPARTMENT O.S.V.C.F.P.D. FIRE SPRINKLER REQUIREMENTS

The following are the requirements concerning fire sprinkler systems that are installed in the City of O'Fallon, Village of Shiloh and the surrounding fire protection district. All systems must be installed to meet all National Fire Protection Association and local building code requirements.

1. The fire department connection (FDC) shall be free standing and remote from the building at a distance from the building equal to 150% of the height of the adjacent exterior wall.
2. The (FDC) shall be equipped with a single five (5) inch thread-less Storz brand connection and shall have a 30-45 degree downward deflection. The Storz connection shall connect to the pipe outlet from the building using National Standard Thread. The (FDC) piping underground shall be equipped with a ball drip valve to ensure there is no standing water in the connection and that the piping does not freeze.
3. The (FDC) shall be arranged to face a paved roadway, sidewalk or other approved area and shall be installed so that it will not interfere with access to the building when hoses are laid from the closest public hydrant to the (FDC). The (FDC) shall be located on the same side of the lot and/or building as the closest public hydrant or a maximum of one hundred (100) feet.
4. The (FDC) shall be arranged so that the connection is between thirty (30) and forty-eight (48) inches above the finished grade, sidewalk or location of the connection.
5. The (FDC) shall be labeled "sprinkler connection" and/or "fire department connection". The wording shall be easily visible with a contrasting background; any exposed piping must be painted red.
6. Where the (FDC) is subject to vehicular damage, the connection shall be protected. Any protection components that are installed shall not interfere with the use or operation of the connection.
7. A Knox brand locking cap with a chain or cable shall be provided for the (FDC).
8. All required NFPA tests are required to be witnessed by a fire department member or their representative. This includes but is not limited to the following:
 1. The flush of all installed underground pipe, prior to connection of the sprinkler system.
 2. The hydrostatic two hundred pound test of all underground piping.
 3. The hydrostatic two hundred pound test of all above ground (building) piping.
 4. Final alarm test concerning the sprinkler system components.
9. A horn/strobe or bell and strobe mounted on the exterior of the building are required to signify water flow on the sprinkler system.
10. If a full fire alarm system is not required, interior notification of the fire sprinkler activation must also be provided.

EXAMPLE

EXAMPLE - Note:

Building Exterior Wall approx 30' in height
FDC to be located min. 45' Away from building

