



Fire Marshal's Office

City of Pearland

2703 Veteran's Drive
Pearland, Texas 77584

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pearlandtx.gov

Sprinkler System Plan - Review Checklist

- _____ Building permit application includes valuation of work included
- _____ Copy of License and Insurance (in the name of the City of Pearland) included on CD submitted with plans
- _____ Plans, cut sheets, battery calculations, ISO report, and hydraulic calculation need to be submitted on a CD in PDF format
- _____ Sprinkler system has 10 percent safety factor
- _____ FDC out of the collapse zone, remote from the building, street side and easily accessible along fire apparatus access road
- _____ Hydrant within 100 feet of the FDC
- _____ FDC to have 30-degree angle to the ground and a 5 inches Storz locking cap. If a 13R system, the FDC will need 2 ½ inches Storz locking cap.
- _____ FDC separate dry line to the riser, at least 18 inches and not more than 4 feet height
- _____ PIV or WIV has a tamper switch
- _____ Double check back flow preventer inside on the riser before the FDC tap
- _____ Weather proof horn /strobe tied into water flow switch
- _____ Riser protected by sprinkler head
- _____ Pipe sleeved through slab
- _____ 6 inches of sand under the pipe with 12 inches on either side of the pipe and a minimum of 12 inches of sand on top of the pipe. Shall be at least 24 inches under asphalt or cement
- _____ No domestic water taps on the sprinkler fire line