



## City of Lake Stevens – Fire Sprinkler Permit Submittal Requirements

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The following requirements have been established for the submittal of plans and specifications for all fire sprinkler systems being installed within this jurisdiction. Submittals not conforming to these minimum requirements will be returned as incomplete.

These requirements apply to all new required or non-required fire sprinkler installations in either new buildings or existing buildings.

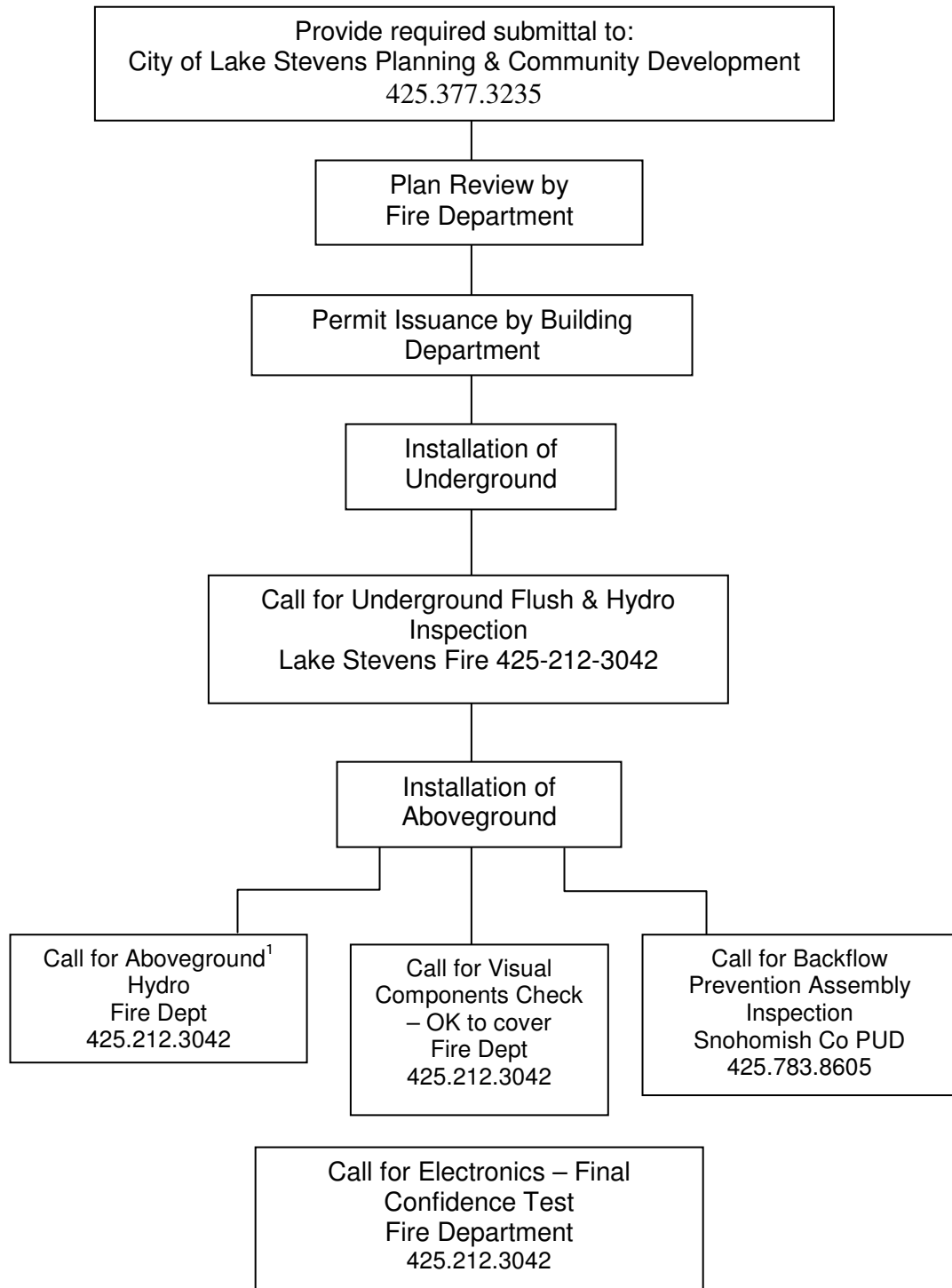
Fire sprinkler systems shall be designed, installed and maintained in accordance with the International Fire Code, 2003 edition and National Fire Protection Association (NFPA) Standards 13, 13-D, or 13-R Standards 2002 edition with the following jurisdiction-specific changes:

- All sprinkler systems in all occupancy classifications are required to have central station monitoring of supervisory and water flow switches (MMC 15.04.090).
- A Post Indicator Valve (PIV) is required.
- The Fire Department Connection (FDC) shall be located remotely (at least 50' away from the structure), near (but not next to) a hydrant.
- The system shall include a Double Check Valve Assembly (DCVA). (Plumbing permit required).

### **Submittal Requirements:**

1. Complete City of Lake Stevens permit application
2. Current copy of the WA State Patrol Sprinkler License
3. Current copy of the Department of Labor and Industries contractor's license
4. Provide three (3) copies of plans, technical data sheets (including listing sheets) and calculations
5. Provide one (1) copy of the architectural plans
6. A backflow permit will also be required. Please complete the attached plumbing/mechanical fixture sheet.
7. Drawings shall be legible, scaled, and contain only the fire sprinkler components and those structural and building components necessary to provide proper sprinkler layout
8. Drawings and calculations shall be designed and wet stamped by a National Institute for Certification Engineering Technologies (NICET) Level I or higher for 13-D systems, NICET Level II or higher for 13-R systems and NICET Level III for 13 systems
9. Water system calculations shall be no more than one year old, reflect the "worst case" demand scenario on the water supply, and should be taken as near the point of connection to the sprinkler system as possible. Contact Snohomish County PUD for information.
10. Submitted hydraulic calculations shall show the water system calculation back to the point where the test was performed.
11. For hydraulically calculated systems, a minimum safety margin of 10psi below available water supply is required.
12. All symbols shall conform to National Fire Protection Association (NFPA) 170 standards where applicable. A symbol key shall be included in the submittal documentation for all non-standard symbols.
13. Contractor shall provide a Contractor's Material and Test Certificate for both Underground and Aboveground Piping. Signed copies of these forms shall be provided to the AHJ before the system is accepted. Installing contractor must provide copy of NFPA 25 to building owner, along with manufacturer instructions and literature.

# FIRE SPRINKLER PERMIT



<sup>1</sup>Aboveground Pneumatic Test/Dry Pipe Air Trip Test required for Dry Systems. Bucket Test required for 13D and 13R systems.