Revised 12/15/09

Fire Sprinkler System
Permit Application Requirements
2010

Fees: The fees listed are valid through **December 31, 2010**. The next fee adjustment will be effective January 1, 2011.

Tenant Improvement:	3 – 5 heads*		$ 84
	6 – 10 heads		$160
	11 – 20 heads		$229
New System (Each Riser):	0 – 2,499	square feet	$267
	2,500 – 14,999	square feet	$305
	15,000 – 39,999	square feet	$416
	40,000 – 52,000	square feet	$494
Underground Supply Line (See underground check list.) **			
	**Commercial Underground		$219
	**Residential Underground		$136
Standpipe Installation:	Class I		$340
	Class II		$340
	Class III		$416
Fire Pump Installation			$242
Inspection/Testing, if over 2 hour limit (per riser if applicable):			$ 80 per Hr.

The following information is required to be submitted with the City of Woodinville Fire Sprinkler Permit application. ***Application must be complete***.

The shaded area indicates the minimum information required for permit application acceptance by the City of Woodinville Permit Center. Final approval of permit will require that all information be provided, as applicable.

3 sets of floor or site plans, as applicable, and 3 sets of cut sheets required.

- 3 sets of manufacturer's literature, "cut sheets."
- 3 sets of floor plans or site plans as applicable
- Owner's name, address and phone number
- Contractor's name, address, phone number and license number

The following information is required for permit approval

Working plans shall be drawn to an indicated scale, on sheets of uniform size, with a plan of each floor, and shall show those items from the following list that pertain to the design of the system:

1. Name of owner and occupant
2. Location, including street address
3. Point of compass
4. Full height cross section, or schematic diagram, including structural member information if required for clarity and including ceiling construction and method of protection for nonmetallic piping
5. Location of partitions
6. Location of fire walls
7. Occupancy class of each area or room
8. Location and size of concealed spaces, closets, attics, and bathrooms
9. Any small enclosures in which no sprinklers are to be installed
10. Size of city main in street and whether dead end or circulating; if dead end, direction and distance to nearest circulating main; and city main test results and system elevation relative to test hydrant
11. Other sources of water supply, with pressure or elevation
12. Make, type, model, and nominal K-factor of sprinklers including sprinkler identification number
13. Temperature rating and location of high-temperature sprinklers
14. Total area protected by each system on each floor
15. Number of sprinklers on each riser per floor
16. Total number of sprinklers on each dry pipe system, preaction system, combined dry pipe-preaction system, or deluge system
17. Approximate capacity in gallons of each dry pipe system
18. Pipe type and schedule of wall thickness
19. Nominal pipe size and cutting lengths of pipe (or center-to-center dimensions). Where typical branch lines prevail, it shall be necessary to size only one typical line
20. Location and size of riser nipples
21. Type of fittings and joints and location of all welds and bends. The contractor shall specify on drawing any sections to be shop welded and the type of fittings or formations to be used
22. Type and locations of hangers, sleeves, braces, and methods of securing sprinklers when applicable
23. All control valves, check valves, drain pipes, and test connections
24. Make, type, model, and size of alarm or dry pipe valve
25. Make, type, model, and size of preaction or deluge valve
26. Kind and location of alarm bells
27. Size and location of standpipe risers, hose outlets, hand hose, monitor nozzles, and related equipment

28. Private fire service main sizes, lengths, locations, weights, materials, point of connection to city main; the sizes, types and locations of valves, valve indicators, regulators, meters, and valve pits; and the depth that the top of the pipe is laid below grade
29. Piping provisions for flushing
30. Where the equipment is to be installed as an addition to an existing system, enough of the existing system indicated on the plans to make all conditions clear
31. For hydraulically designed systems, the information on the hydraulic data nameplate
32. A graphic representation of the scale used on all plans
33. Name and address of contractor
34. Hydraulic reference points shown on the plan that correspond with comparable reference points on the hydraulic calculation sheets
35. The minimum rate of water application (density), the design area of water application, in-rack sprinkler demand, and the water required for hose streams both inside and outside
36. The total quantity of water and the pressure required noted at a common reference point for each system
37. Relative elevations of sprinklers, junction points, and supply or reference points
38. If room design method is used, all unprotected wall openings throughout the floor protected
39. Calculation of loads for sizing and details of sway bracing
40. The setting for pressure-reducing valves
41. Information about backflow preventers (manufacturer, size, type)
42. Information about antifreeze solution used (type and amount)
43. Size and location of hydrants, showing size and number of outlets and if outlets are to be equipped with independent gate valves. Whether hose houses and equipment are to be provided, and by whom, shall be indicated. Static and residual hydrants that were used in flow tests shall be shown
44. Size, location, and piping arrangement of fire department connections

The working plan submittal shall include the manufacturer's installation instructions for any specially listed equipment, including descriptions, applications, and limitations for any sprinklers, devices, piping, or fittings.

(*Note: Plans submittal for 3-5 heads are allowed to be submitted on 8 ½” x 11” paper. Submit 3 sets with competency stamp.)

Any work done on fire sprinkler systems that involve adding or moving more than two sprinkler heads due to a deficiency that is noted on an annual fire sprinkler inspection will require a permit. The permit will be based on an hourly rate with a two hour minimum. A letter bearing the original Level III stamp and signature stating the scope of work shall accompany the cut sheets of equipment or sprinkler heads that are being installed.