



COMMUNITY DEVELOPMENT DEPARTMENT

Code Administration Division

129 North Second Street, 2nd Floor Yakima, Washington 98901

(509) 575-6126 • Fax (509) 576-6576

codes@yakimawa.gov • www.buildingyakima.com

FIRE SPRINKLER PERMIT APPLICATION

Permit# _____

PART 1 - Project Information

Job Address: _____ Parcel Number: _____

Project Description: _____

Estimated cost of the work to be performed (materials and labor): \$ _____

PART 2 - Building Information

Building Use: Residential Commercial **Change of Use?** Yes No

Construction Type: _____ **# of Units:** _____ **# of Stories:** _____

Existing fire sprinkler system? Yes No

System to be installed is a: code-required system non-required (voluntary) system

Square footages:

1st floor _____ 2nd floor _____ 3rd floor _____ 4th Floor _____

PART 3 - Contact Information

Applicant/Primary Contact Company: _____ Primary Contact: _____ Address: _____ City/State/Zip: _____ Phone Number: _____ Email: _____	Property Owner (Same as Contact Person <input type="checkbox"/>) Name: _____ Address: _____ City/State/Zip: _____ Phone Number: _____ Email: _____
Contractor (Same as Applicant <input type="checkbox"/>) Name: _____ Address: _____ City/State/Zip: _____ Phone Number: _____ Email: _____ State Contr. Lic.# _____ Exp. _____	Designer of Working Plans Architect: <input type="checkbox"/> Engineer: <input type="checkbox"/> Name: _____ Address: _____ City/State/Zip: _____ Phone Number: _____ Email: _____ NICET #: _____



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FIRE SPRINKLER PERMIT APPLICATION (CONT'D)

PART 4 - Working Plan Requirements per NFPA Chapter 13

(check box and skip this checklist if sprinkler installation is low-rise residential occupancies)

INSTRUCTIONS: 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 list below that pertain to the design of the system. Please read and check off each item that is included in the working plans. For any items in the checklist below that are NOT included in the working plans, an explanation of how the requirement does not apply to this project MUST be outlined in the application project description field.

- 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.



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FIRE SPRINKLER PERMIT APPLICATION (CONT'D)

PART 4 - Working Plan Requirements per NFPA Chapter 13 (Cont'd)

- 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 or flow or discharge pressure), 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 listed 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.
- 45. Ceiling/roof heights and slopes not shown in the full height cross section.
- 46. Edition year of NFPA 13 to which the sprinkler system is designed.

I hereby certify that the items checked in Part 4 of this application are true and correct to the best of my knowledge and that the application project description includes an outline of how any items in Part 4 that are not checked off as being included in the working plans do not apply to this project.

Signature

Print Name

Date



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FIRE SPRINKLER PERMIT APPLICATION (CONT'D)

PART 5 - Working Plan Requirements per NFPA Chapter 13R

(check box and skip this checklist if sprinkler installation is NOT for low-rise residential occupancies)

INSTRUCTIONS: 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 list below that pertain to the design of the system. Please read and check off each item that is included in the working plans. For any items in the checklist below that are NOT included in the working plans, an explanation of how the requirement does not apply to this project MUST be outlined in the application project description field.

- 1. Project name
- 2. Location, including street address
- 3. Point of compass.
- 4. Ceiling construction
- 5. 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
- 6. Ceiling/roof height and slopes not shown in the full height cross section
- 7. Location of partitions and fire walls
- 8. Location and size of concealed spaces, attics, closets, and bathrooms
- 9. Any small enclosures in which no sprinklers are to be installed
- 10. Size of the city main in the street and the city main test results including elevation of the test hydrant
- 11. Make, manufacturer, type, temperature rating, sprinkler identification number, and nominal k-factor of the sprinkler
- 12. Type and location of high-temperature sprinklers
- 13. Number of sprinklers on each riser, per floor
- 14. Type and location of alarm bells
- 15. Type of pipe and fittings
- 16. Pipe type and schedule of wall thickness
- 17. Type of protection for nonmetallic pipe
- 18. Location and size of riser nipples
- 19. Types of fittings and joints and the locations of all welds and bends
- 20. Types and locations of hangers, sleeves, and braces, and methods of securing sprinklers, where applicable
- 21. All control valves, check valves, drain pipes, and test connections
- 22. Underground pipe size, length, location, weight, material, and point of connection to the city main; type of valves, meters, and valve pits; and depth at which the top of the pipe is laid below grade
- 23. Name and address of the contractor
- 24. Nominal pipe size and lengths
- 25. 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
- 26. A graphic representation of the scale used on all plans

