

FIRE SPRINKLER (NFPA 13, 13R & 13D SYSTEMS) & CHEMICAL SUPPRESSION SUBMITTAL CHECKLIST

PERMIT SUBMITTAL REQUIREMENTS:

- Signed Permit Application** (1 Copy) Bldg/Mechanical/Plumbing/Sign/Sprinkler/Demolition Permit Application
- Three (3) complete sets of plans, cut sheets, and calculations.** Each set shall contain all relevant information, folded together. Maximum size of plan sets: 24" x 36" with a stapled, bound edge, 5/8" thick. All pages in a plan set shall be uniformly sized, clearly legible for records, and each page shall be consecutively numbered.

I. WATER SUPPRESSION

- A. Name of owner and occupant. Location, including street address. North arrow.
- B. Drawings and calculations to be stamped by a WSP certificate of competency holder; permit to be installed by a WSP certificate of competency holder.
- C. Ceiling construction, building sections, location of fire walls, location of partitions, use of each area or room, location and size of concealed spaces, attics, closets and bathrooms, and any small enclosures in which no sprinklers are to be installed.
- D. Size of city main in street, pressure and whether dead-end or circulating. If dead-end, direction and distance to nearest circulating main. Include city main tests results and elevation of test hydrant.
- E. Make, manufacturer, type, hear-response element, temperature rating and nominal orifice size of sprinkler. Temperature rating and location of high-temperature sprinklers.
- F. Number of sprinklers on each riser, per floor. Kind and location of alarm bells.
- G. Type of pipe and fittings. Type of protection for nonmetallic pipe. Nominal pipe size with lengths shown to scale. Location and size of riser nipples. Type of fittings and joints. Types and locations of hangers, sleeves, braces and methods of securing sprinklers, where applicable.
- H. Cut sheet and model number for double check detector assembly, or riser diagram per Drawing Standard 5248. All control valves, check valves, drain pipes and test connections.
- I. Underground pipe size, length, location, weight, material, pint of connection to city main; the type of valves, meters and valve pits; and the depth at which the top of the pipe is laid below grade. This is required for all systems including combined domestic systems.
- J. For hydraulically designed systems, a representation of the hydraulic data nameplate and its proposed location.

II. CHEMICAL SUPPRESSION

- A. Name of owner and occupant. Location, including street address. North arrow.
- B. Number of chemical suppression heads, located in section or axonometric over the equipment served by suppression. Identification of the type of equipment on the drawings.
- C. Chemical suppression used for each application, to include classification and specifications.
- D. Warning light for system activation outside of the protected area for Fire Department.

APPLICABLE CODES AND REFERENCES

- International Fire Code (IFC), 2015 Edition & WAC 51-54
- Automatic Fire Detection & Suppression System Ordinance No. 1902-92
- City of Everett Design & Construction Standards & Specifications
- Fire Sprinkler Licensing Program WSP Office of State Fire Marshal



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