



FIRE CONSTRUCTION PERMIT SUBMITTAL CHECKLIST

SERVING THE CITIES OF LAKE STEVENS, MONROE AND SULTAN

FIRE PUMPS AND RELATED EQUIPMENT

PROJECT INFORMATION	
Site address:	Associated Permits:
Project Name / Tenant:	Property Owner:

Electronic file standards

File naming standard: Electronic plans and documents shall be named as specified in bold type under “permitting requirements”. For example, the seating plan must be named “Seating Plan”.

Acceptable file types: Plans, calculations, specifications and supporting documents shall be uploaded as a PDF file.

Document Orientation: All plans must be uploaded in “Landscape” format in the horizontal position. All other documents can be in “Portrait” format.

CODE EDITIONS

- ☐ 2021 Washington State Fire and Building Code, 2019 NFPA 20 and as applicable - Lake Stevens Municipal Code 14.84, Monroe Municipal code 15.04.110, and Sultan 15.05.

PERMITTING REQUIREMENTS

A Fire Construction Permit is required to install or modification to **Fire pumps and related fuel tanks, jockey pumps, controllers and generators** required by Section 105.6.7 of the 2021 Washington State Fire Code and local code amendments. **The following information is required at time of application for the Fire Construction Permit.**

- ☐ Completed Fire Construction permit submittal application
- ☐ Completed "Fire pumps and related equipment submittal checklist"
- ☐ Plans
- ☐ Manufacturer's cut sheets for all equipment, pumps, controllers, generators.

PLANS

The following is a list of information required on all plan submittals for review of a "Fire pumps and related equipment" permit application. The plan shall be drawn to 1/8"=1'-0" minimum scale. The applicant is required to submit all of this information so an accurate and timely review may be done:

PLAN REQUIREMENTS:

A complete plan and detailed data describing pump, driver, controller, power supply, fittings, suction and discharge connections, and liquid supply conditions shall be prepared for review.

Plans shall be drawn to an indicated scale, electronically submitted in PDF format and as a minimum consist of the following items:

- Name(s) of owner and occupant
- Location, including street address
- Point of compass
- Name and address of installing contractor
- Pump make and model number
- Pump rating - _____ GPM@_____ PSI _____ RPM
- Suction main size, length, location, type and class/schedule of material, and point of connection to water supply, as well as depth to top of pipe below grade
- Water storage tank, if applicable
- Size and type of valves, regulators, meters, and valve pits, if applicable
- Water supply information including the following flow test information, if applicable:
 - Location and elevation of static and residual test gauge with relation to the elevation reference point
 - Flow location
 - Static pressure, psi (bar)
 - Residual pressure, psi (bar)
 - Flow, gpm (L/min)
 - Date

- Time
 - Name of person who conducted the test or supplied the information
 - Other sources of water supply, with pressure or elevation
- Pump driver details including manufacturer and horsepower
- Voltage for electric motor-driven pumps
- Fuel system details for diesel-driven pumps
- Controller manufacturer, type, and rating
- Suction and discharge pipe, fitting, and valve types
- Test connection piping and valves
- Flow meter details, if applicable
- Pressure maintenance pump and controller arrangement including sensing line details, if applicable
- Floor plan showing location of pump room and all equipment
- Identification of all circuits supplying fire pumps, and the survivability of the circuits.

FIRE PUMP ROOMS

- Floor plan requirements
 - Details on separation provided from all other areas of the building. Required to be separated with a 2-hour fire barriers, 2-hour horizontal assemblies, or both. Provide UL listings on the separation proposed.
 - Provide method of maintaining the temperature of the room above 40 degrees fahrenheit.

OTHER PERMITS REQUIRED AS NEEDED:

1. Fire construction permit - flammable and combustible liquids for diesel fuel tank if installed outdoors. If installed indoors, in the fire pump room, the tank is required to meet NFPA 20.
2. Fire construction permit - fire alarm and detection systems is required to be submitted for addition of any valves and pump controller supervision by the fire alarm panel.