



SAN JUAN COUNTY DEPARTMENT OF COMMUNITY DEVELOPMENT  
**OFFICE OF THE SAN JUAN COUNTY FIRE MARSHAL**  
 135 Rhone Street, PO Box 947, Friday Harbor, WA 98250  
 (360) 378-3473 (FIRE) | (360) 378-2354  
 firemarshal@sanjuanco.com | www.sanjuanco.com



**FIRE CONSTRUCTION PERMIT SUBMITTAL CHECKLIST**

**PRE-ENGINEERED KITCHEN FIRE-SUPPRESSION SYSTEMS**

<b>PROJECT INFORMATION</b>	
<b>Site Address &amp; Parcel #:</b>	<b>Associated Permits:</b>
<b>Project Name / Tenant:</b>	<b>Property Owner:</b>

**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.

<b>CODE EDITIONS</b>
<ul style="list-style-type: none"> <li>○ 2018 Washington State Fire and Building Code, NFPA 17, NFPA 17A, and NFPA 96</li> </ul>
<b>PERMITTING REQUIREMENTS</b>
<ul style="list-style-type: none"> <li>○ A Fire Construction Permit is required to install or modify a <b><u>UL 300 Pre-engineered kitchen fire-extinguishing system</u></b> required by Section 105.7.1 of the 2018 Washington State Fire Code. <b>The following information is required at the time of application for the Fire Construction Permit.</b></li> </ul>

- Completed Fire Construction Permit Application
- Completed “Pre-Engineered Kitchen Fire-Suppression -submittal checklist”
- Plans – Stamped and signed by the designer of the system
- Provide an electronic copy of the System Designers current factory training certificate issued by the manufacturer of the system



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- Provide an electronic copy of the ICC/NAFED certificate for Pre-Engineered Kitchen Fire Extinguishing Systems issued to the designer of the system, required per WSFC 904.1.1.
- Provide an electronic copy or hyperlink to the manufacturers design, installation, operation, and servicing manual
- Cut sheets for fire nozzles, valves, connectors, hanger, bracing and tanks
- Completed design standard checklist
- Additional mechanical permitting required on the installation of the make-up air unit and the Type 1 commercial hood and duct installation

## PLANS

The following is a list of information required on all plan submittals for review of an “Automatic Fire Suppression System” 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:

- Copy of a scaled floor plan showing compliance with the 2018 WSFC 904, including:
  - System Location
  - Cooking Appliances
  - Plenum Dimensions and Filter Type (V Bank, Single Bank)
  - Duct Dimensions
  - Manual Pull Station Location - >10’ and <20’ from kitchen exhaust system, in egress pathway
  - Class K Fire Extinguisher Location
  - Note Indicating Deferred Submittal for Fire Alarm Permit if Building is so Equipped
  - Note on the plan stating that system shall be designed, installed, serviced, and maintained in accordance with NFPA 17A, NFPA 96, and manufacturer’s instructions.
  - Sequence of operation including fuel/electricity/exhaust/makeup air interlocks/fire alarm integration
  - Note on drawing stating fusible link temperature to be determined by heat tape testing
  - Manufacturers technical data sheets
  - Appliance technical data sheets



**PLANS, CONTINUED**

- Isometric plans showing appliance location, type of nozzles, nozzle location and height over appliances, calculated flow point chart, pipe type, pipe size, and length, extinguishing agent tanks, fusible link locations, and hood exhaust duct size.
  - Add note to isometric plan stating:

**INFORMATION TO SYSTEM OWNER/OPERATOR**

***Contact your system manufacturer/distributor to ensure factory trained and certified personnel perform repairs, maintenance, or servicing of the suppression system. Failure to do so may compromise the UL listing of the hood suppression system, void the warranty and jeopardize insurance claims resulting from a fire.***

- This isometric plan is required to be laminated and permanently posted on the exhaust hood or the system cabinet
- Stamp and signature of system designer on layout drawings and calculations
- Code editions utilized for design of system
- Point of Compass

**CHECK THIS BOX TO ACKNOWLEDGE THE FOLLOWING REQUIREMENTS:**

**Requirements to be accomplished prior to/at time of final inspection:**

- Manufacturers design, installation, operation and maintenance manual on site
- Installer's factory training certificate on site at time of final inspection
- Lamination of approved isometric plan permanently posted at/on the exhaust hood or system cabinet
- Wet chemical system acceptance test report filled out by the installer – Found in NFPA 17A Annex
- Temperature survey utilizing heat tape to verify correct temperature fusible links are installed in accordance with applicable system installation manual. -To be verified at final inspection.
- Labor and Industries Electrical Signed Off
- Fire Alarm integration testing shall be performed by a NICET II certified technician



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ADDRESS OF PROTECTED PREMISES HERE

THIS IS AN EXAMPLE OF AN APPROVED FORMAT FOR THE ISOMETRIC DIAGRAM REQUIRED PER WAFC SECTION 904.12

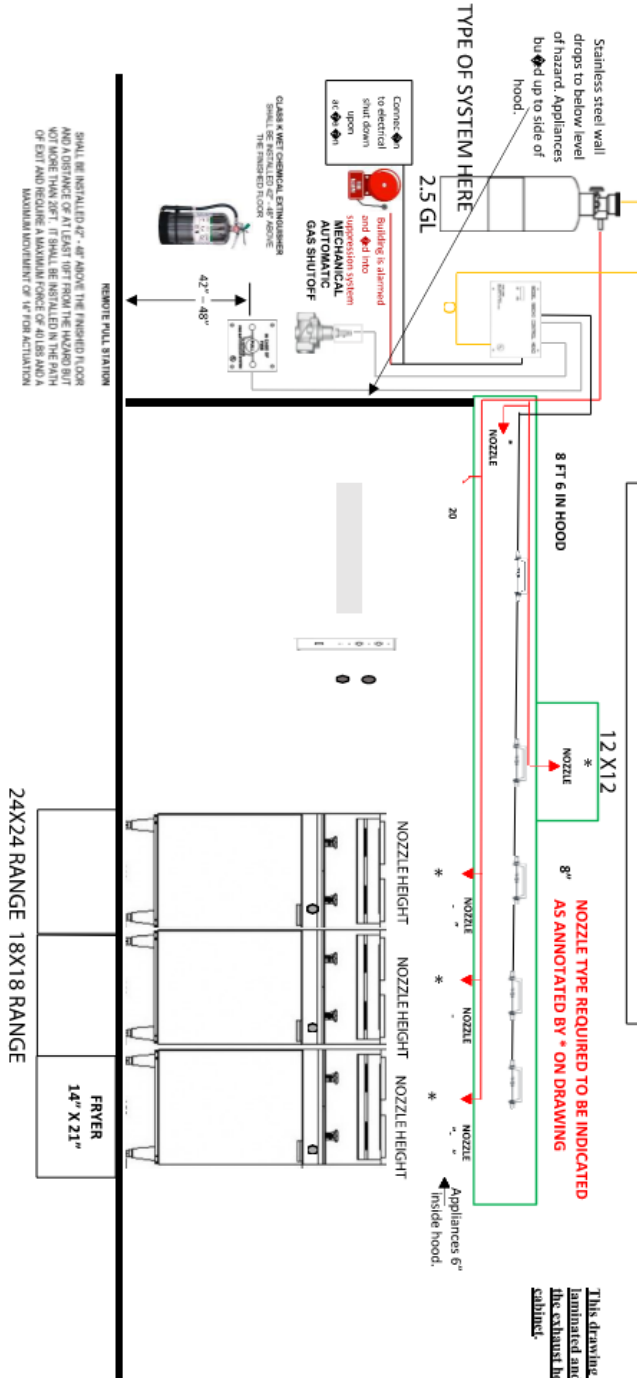
INSTALLED BY  
CONTRACTOR NAME HERE  
CONTRACTOR ADDRESS HERE  
PHONE:  
PHONE NUMBER HERE

LINK TEMPERATURE TEST WILL BE PERFORMED AT TIME OF TRIP TEST

Add this statement to the plan:  
Information for system operator/owner

Contact your system manufacturer/distributor to ensure factory trained and certified personnel perform repairs, maintenance, or servicing of the suppression system. Failure to do so may compromise the UL listing of the hood suppression system, void the warranty and jeopardize insurance claims resulting from a fire.

This drawing shall be laminated and installed on the exhaust hood or system cabinet.



PIPING SIZE	3/8" PIPING	Red line
	1/2" PIPING	Blue line
	3/4" PIPING	Dark blue line

SYSTEM MFG:	UL 300 COMPLIANT SYSTEM
CAPABLE FLOW POINTS:	MANUFACTURER HERE
ACTUAL FLOW POINTS USED:	

FIRE SYSTEM AND APPLIANCE DRAWING WILL BE DISPLAYED ON THE EXHAUST HOOD OR SYSTEM CABINET