



Factory Assembled Structures Program

Food Trucks and Trailers – Plan Review Guidelines and Submittal Process for Licensed Professional Plan Approvals

Plan reviews from approved Licensed Professionals (LP) can serve as the required plans that manufacturers or owners must have to obtain FAS inspections on Vendor Units (aka food trucks and trailers) for Washington State. This document provides general guidance for licensed professionals and manufacturers about the typical drawings and other information that must be submitted in professionally approved plans for Vendor Units.

Each Vendor Unit model design plan must include the drawings and information necessary to evaluate conformance with the applicable codes and standards. Use the following checklist to be sure your plans submitted for LP review are complete. Plan reviewers, including approved licensed professionals are not involved in designing or assisting the manufacturer in completing their design plans and forms.

Plans must indicate compliance with the current version of the applicable codes (WAC 296-150V-0330(2)). Plan drawings must be neat, legible, and drawn to a recognized architectural “scale”. Each page of the drawing set needs to have a drawing name, for example; “floor plan”, “details”, “plumbing”, etc., a drawing number and the date prepared or last revision.

Vendor Units must be designed, and the plans reviewed to the following requirements

- Current editions of the general codes referenced in WAC 296-150V-0800:
 - WAC 296-150V, Conversion Vendor Units and Medical Units
 - International Mechanical Code (IMC)
 - NFPA 70 National Electrical Code (NEC) Sections 551 or 552 as applicable
 - Uniform Plumbing Code (UPC)
 - International Building Code (IBC); chapter 11 for customer service
- Referenced codes applicable to specific construction as indicated in the checklist below
 - Washington State Building Code Amendments (WAC Title 51; i.e. IBC, IMC, IFC, IFGC & UPC)
 - International Fire Code (IFC)
 - International Fuel Gas Code (IFGC)
 - ICC/ANSI A117.1, Accessibility Standards
 - NFPA 58, LP Gas Code
 - ANSI/NFPA 1192, Standard on Recreational Vehicles (RV), Chapter 7.
 - ANSI/RVIA Low Voltage Systems in Conversion & RV’s Standard.
- Washington State Motor Vehicle Laws Title 46 RCW
 - 40 foot in maximum length – RCW 46.44.030
 - 14 foot maximum height (from the road surface to highest point) – RCW 46.44.020

- 8 foot 6 inches in maximum width - RCW 46.44.010
- FAS program limitations and clarifications
 - A Vendor Unit may not include an interior dining or serving area. Only owners and employees may access interior areas. Units with interior dining or serving must comply with WAC 296-150C Commercial Coaches.
 - LP tanks must be located in accordance with NFPA 1192. LP tanks are not permitted exposed on the rear of the truck or trailer, or on the roof of the vehicle.
 - Vendor Units utilizing “alternate materials, alternate design and method of construction” must have the alternate materials, designs or methods approved in writing from FAS in accordance with WAC 296-150V-0140.

Checklist for Vendor Unit plans:

At the front of your Vendor Unit model package, include the following:

- A copy of the authorization letter from us for each licensed professional.
- A completed “Plan Approval Request” form - [F622-035-000](#) - see instructions.
- A completed “Application for Insignia” form (optional) - [F623-021-000](#) – see instructions.
- A copy of this checklist marked to show what items were reviewed.

Next, include each of these:

- Floor Plan:
 - Dimensions of the overall unit.
 - Dimensions and location(s) of awning(s).
 - Indicate the front and rear of the unit (indicate driver location if applicable).
 - Indicate locations of all counters, appliances, equipment, LP gas containers, generator compartment, battery compartment, plumbing fixtures (sinks, water heaters etc.), and all other fixtures and devices.
 - Provide the make & model of all major cooking appliances (i.e. grill, fryer, griddle, range etc.) including dimensions. (to be Commercial Listed Appliances including BBQ’s & Smokers)
 - Indicate & label the main egress door & all other doors (including height & width). The minimum required egress door is 28 inches wide by 72 inches tall. See *WAC 296-150V-1180*.
 - Indicate the window opening locations and sizes (height & width). See *IBC 2406.4 & IBC 2406.3*.
 - Indicate serving window materials and that it is safety glazed or equal.
 - Indicate wall finish, floor finish and ceiling finish materials. See *WAC 296-150V-1040, 1070, 1100, 1110 & 1120*.
 - Indicate that all appliances are installed per the manufacturer and secured against displacement per *WAC 296-150V & WAC 296-150V-1090*.
 - Provide information for one or both of the following for an accessible counter:
 - Integral to the Vendor Unit per *IBC 1109.12.3* and *ICC/ANSI A117.1 - 308.2.1 & 904.3*.
 - Separate table meeting the *IBC 1109.12.3* and *ICC/ANSI A117.1 - 308.2.1 & 904.3*.

- Structural Loading:
 - If the proposed equipment or appliance, weighs 500 pounds or more on an area of 16 square feet or less, provide either a structural analysis or a structural load test from a registered engineer. See WAC 296-150V-0340, 0350 & 0930.

- Electrical System (50 AMP Plan Schematic & Panel Schematic):

Note: 30 AMP system information is included in the following.

- Indicate locations of all outlets, lights, switches and other electrical devices such as inverters, batteries, shore power inlet location and the main distribution panel box.
- Indicate that only (1) main power supply is installed per NEC 551.44.
- Provide a schedule showing what amperage of breakers are installed in the panel box.
 - Indicate the panel loads are distributed evenly for a 50 AMP service per NEC 551.42[D].
 - Indicate each electrical device that is connected to the circuit.
- Indicate the panel box location.
 - Indicate the clear area of 24 inches wide by 30 inches deep in front of the panel (no tables, shelves, appliance or other obstructions) per NEC 551.45[B].
 - Indicate that the center of the operating handle of the main breaker at its highest position is not more than 6 feet 7 inches above the floor per NEC 404.8.
- Indicate all outlets to be GFCI protected per NEC 210.8(B)(2).
- Indicate the shore-power connection location per NEC 551.46, indicate the type and amperage as allowed per NEC 551.42 for a 30 AMP or 50 AMP service. Note, a 15 AMP or 20 AMP power supply service is permitted see NEC 551.42.
- A 30 AMP plug is a 2-pole, 3-wire, grounding type for 125V up to 5 circuits per NEC 551.46[C](3).
- A 50 AMP plug is a 3-pole, 4-wire, grounding type for 125/250V for more than (5) circuits up to the calculated amperage allowance per NEC 551.46[C](4).
- Indicate the main breaker (1 for 30 AMP service) (2 for 50 AMP service). A main disconnecting means is required for all panel configurations per NEC 551.45[C].
- Indicate the AWG (GA) of the conductors (wiring) for the main shore power to the panel (10 AWG for 30 AMP and 6 AWG for 50 AMP) per NEC Table 310.15[B](16) & 400.5[A](1) column B.
- The power supply cord ampacity shall be chosen from NEC table 400.5[A](1) column B. Ampacity shall indicate a minimum of the AMPS. Example: 10 AWG /30 AMP for 30 AMP power assemblies and 6 AWG / 50 AMP for 50 AMP assemblies.
- The power supply cord shall be listed as identified in NEC table 400.4 with the following criteria; TRADE NAME: Hard Service Cord, USE: Damp and Wet Locations, Thermoplastic, and Extra Hard Usage. The supply cord ends shall be listed, molded and for use in wet locations.
- Indicate that the shore power cord is a listed molded type per NEC 551.46.
- Indicate the AWG of the grounding conductor for the panel (Typically 8 AWG copper or 6 AWG supplied with 50 AMP service cable) per NEC Table 250.102[C](1) & 551.56 [B][C]
- Indicate the AWG for the neutral conductor for the panel per NEC Table 250.122/310.15[B](16).
- Indicate the amperage of the branch breakers (20 AMP, 15 AMP or 30 AMP).

- Indicate the AWG of the conductors (wiring) for the system 12 AWG or 14 AWG (12 AWG - 20 AMP, 14 AWG (or 12 AWG) - 15 AMP & 10 AWG - 30 AMP) per *NEC Table 310.15[B](16)*.
- Indicate that all exposed non-current carrying metal parts that may become energized are effectively bonded per *NEC 551.56*.
- Indicate the wiring method and type (i.e. raceway, conduit, etc.)(i.e. MC Cable, EMT, ENT etc.) as allowed per *NEC 551.47*.
- Ensure conduit supports for the wiring conduit method is installed per the respective criteria per *NEC Chapter 3*. (Example: See *NEC Article 330.30* Securing & Supporting for MC Type conduit)
- Indicate that the electrical panel is bonded to the chassis with an 8 AWG bonding wire per *NEC 551.56(A), (B) & (C)*.
- Indicate that exterior electrical panels that are accessed from the exterior are listed for outdoor use, 'Wet / Damp Locations' (NEMA 3 Rated) per *NEC 408.37* and installed per *NEC 312.2*.
- Indicate the hot water heater (LP or electric) and include the make & model number.
- If LP (gas) is used, indicate by specifications that it is a sealed combustion unit and that it is direct vented per *WAC 296-150V-1470*.
- Indicate any low voltage systems installed to conform to *ANSI/RVIA 12V -2018*.
- Indicate if there is a storage battery that it is installed per *WAC 296-150V-1303*.
- Generators:
 - Provide the make and model of the generator
 - Indicate where the generator is located in the truck or trailer
 - Indicate if it is permanently installed and that it is installed in a 26 MSG minimum galvanized steel or better compartment that it is vented properly per the manufacturer. *NFPA 1192 - 6.4.5 & NEC 551.30*.
 - That it is installed in a vapor resistant enclosure sealed from the interior of the truck or trailer
 - That it is not directly connected to the electrical system unless listed for the connection (RV listed) or installed through a listed system
 - Indicate if the generator is connected by use of the shore power cord when the electrical system is not connected to shore power service
 - Indicate that the generator is secure against displacement per the manufacturer's recommendations.
- Contact L&I Factory Assembled Structures for additional requirements if a main distribution panel is a 100 AMP / 250V main panel. (Note: This is not a typical amperage for vendor units)
- Plumbing Fresh Water System:
 - A schematic is NOT required to be included in the plans, only advised for ease of inspection. The fresh water system shall meet all regulations upon inspection for final approval.
 - Fresh water system shall conform to *WAC 296-150V-1570 & 1580*,
 - *UPC Chapter 6 & NFPA 1192 Chapter 7 & 7.3*. See also *UPC Table 1701.1* reference standards.

- Water piping and fittings shall be of an approved material (PEX, CPVC, Copper) per *UPC Table 604.1* and size of pipe as allowed per *UPC Table 610.3 & NFPA 1192 – Table 7.3.6.4* and installed per *UPC Table 313.3*.
 - The hot water tank shall be secured & installed per the manufacturer per *WAC 296-150V-1470*.
 - Within 18” of the water heater (hot & cold), the water lines shall be a flexible metal type per *UPC 604.13* (i.e. copper & stainless steel).
 - A 150-degree pressure relief valve shall be plumbed to the exterior with approved material (not to be PEX or PVC) & sized not less than the PRV per *WAC 296-150V-1580, UPC 608.4 & 608.5*.
 - Water storage tanks shall be listed for potable water (IAPMO, NSF, & UPC) per *WAC 296-150V-1570*. (Note: Food grade storage containers are not potable water tanks)
 - The water tank capacity shall be 15% less than the wastewater tank holding capacity.
 - The water service connection shall be a 3/4” swivel connection per *NFPA 1192 - 7.3.8.1*.
 - Provide a backflow prevention device in the water supply piping adjacent to the water service connection per *NFPA 1192 – 7.3.10*.
 - A drainage line shall be installed & a full-way shut of valve per *UPC 606.2* and be equipped with a watertight cap or plug permanently attached per *WAC 296-150V-1550*.
 - Low point drainage for the hot & cold lines shall be provided per *NFPA 1192 – 7.3.6.2*.
 - The water storage tank shall be secure against displacement per *NFPA 1192 - 7.3.7*.
 - Hangers and supports shall be installed per *UPC table 313.3*.
- Plumbing Waste Water System:
 - A schematic is NOT required to be included in the plans unless a toilet is installed in the unit. Schematics are advised for ease of inspection. The waste water system shall meet all regulations upon inspection for final approval.
 - The waste water systems shall conform to *WAC 296-150V-1530-1560 & 1590, UPC Chapter 7 & NFPA 1192 Chapter 7*. See also *UPC Table 1701.1* reference standards.
 - Waste piping and fittings shall be of an approved type per the *UPC Table 701.2* (i.e. ABS, PVC).
 - The size of piping shall of an approved size (i.e. 1-1/4”, 1-1/2”, 2” etc.) per *WAC 296-150V-1590*.
 - 3-compartment sink & roof vent - minimum 1-1/2 inch per *NFPA 1192 - 7.5.2.5(2)*.
 - Hand washing sink – minimum 1-1/4 inch per *NFPA 1192 - 7.4.2.2*.
 - If combined at a single drain to the tank the pipe shall be 2” to the tank per *UPC 908.1.1, UPC 910.4, 703.0, Table 702.2(1) & Table 702.1*. (Wet Vent Systems, i.e. fixture trap arms connected separately to the wet vent system)
 - The 3-compartment sink & hand sink cannot share the same P-trap per *UPC 1001.2* and *NFPA 1192 - 7.4.4.1*.
 - The 3-compartment sink shall have a P-trap located at the middle sink per *UPC 1001.2*.
 - The hand-washing sink is permitted to have an anti-siphon at the P-trap per *UPC 1002.1, NFPA 1192 - 7.6.6* and *WAC 296-150V-1530(2)*.
 - The vent & drain location shall be at the top of the tank per *IAPMO TS 2-2015 section 4.4.2*.
 - The vent shall be through the roof per *NFPA 1192 – 7.6.7* or alternate sidewall vent as approved with a listed diverter T per *NFPA 1192 - 7.4.7*. (Note: This RV listed device is difficult to locate and is not an advised solution).
 - The tank shall be listed for wastewater use per *WAC 296-150V-1590*.

- The capacity of the waste tank is to be 15% greater than the fresh water tank.
- A full-way termination valve shall be installed per *WAC 296-150V-1590(f)*.
- The size of the main drain shall be 1-1/2 inch min. with the appropriate cap & chain. Location of the drain shall be per *WAC 296-150V-1540, 1550, 1560 & 1590* and *NFPA 1192 - 7.5.2.3 & 7.5.7.9*.
- The tank shall be secured against displacement per *WAC 296-150V-1590* and *NFPA 1192 - 7.5.1*.

- Plumbing Black Water System:
 - If a black water (toilet) system is installed, schematic plans of the system are required for review with the application submittal. See *NFPA 1192 – 7.5, 7.5.3, 7.5.7 & 7.6* for installation requirements.

- LP/Gas (Propane/Natural Gas Plan Schematic):
 - Provide a schematic per *WAC 296-150V-1350 through 1460* in addition to the following information.
 - Indicate the type of pipe & size of pipe sized per *IFGC Table 402.4(28)*.
 - Indicate the type of gas being proposed per *WAC 296-150V-1360*. (LP or Natural Gas)
 - Indicate the total length of the pipe from the tank location to the furthest appliance served.
 - Indicate & label on the plan all appliance locations that are being served.
 - Indicate the maximum BTU rating of each appliance that is being served.
 - Indicate the tank location as allowed per *WAC 296-150V-1350*. (Note: The rear of the Vendor unit, the sides of the Vendor unit and the roof of the Vendor unit are not compliant locations).
 - Indicate the fire suppression auto shut-off location. (see 'Fire Suppression System' list)
 - Indicate the full-way shut off locations for the main system as well as each appliance or bank of appliances as allowed per *WAC 296-150V-1440*. Shut of locations shall be readily accessible.
 - Indicated where the drip leg is located per *IFGC 408.1 through 408.4*.
 - Indicate the gas piping securing interval per *WAC 296-150V-1360 through 1400*.
 - Indicate that the gas piping is bonded by a minimum 8 AWG copper or equal conductor to the chassis *WAC 296-150V-1410, NEC 551.56[C] & NEC 551.56[E]*.
 - The gas line is not to be used for an electrical ground per *WAC 296-150V-1410(1)*.
 - Indicate that the gas lines are not concealed per *WAC 296-150V-1380*.
 - Indicate LP cylinder locations to be a minimum of 5 feet from any source of ignition (i.e. shore power connections, generators, electrical panels, outlets, appliances that are direct vent (sealed combustion) intake/vent (i.e. gas water heater), etc. from the discharge of the pressure relief device per *NFPA 58 - 6.8.1.6 & Table 6.3.4.3*.
 - Ensure the LP cylinder locations are a min. of 3 feet horizontally from any opening that is below the level of the discharge of the pressure relief device per *NFPA 58 - 6.8.1.5 & Table 6.3.4.3*.

- Fire Suppression System (Plan Schematic):
 - Provide a design plan of the suppression system in relation to the hood and the appliances that are being served by the system per *IMC 509, IFC chapter 904 & IFC 904.12*.
 - Indicate the type of system by the manufacturer name. (i.e. ANSUL R-102, AMEREX etc.)

- Indicate the type of chemical being proposed & installed (wet or dry) per *IFC 904.5* for a Wet system and *IFC 904.6* for a Dry system.
 - Indicate the pull station location (near main exit door) *IFC 904.12.1*.
 - Indicate the fusible link locations and temperature rating.
 - Indicate the size of the system suppression tank and the location of the suppression tank.
 - Indicate the locations (including duct, plenum & appliance coverage per the suppression manufactures installation by a certified installer) of the suppression heads (nozzles) and the type (model number or color band or identification number) per the manufacturer as rated for the appliance being served.
 - Indicate the location of the fire suppression automatic shut-off system interconnection to the gas system per *IFC 904.12.2*.
 - Systems shall be operated & maintained per *IFC 904.12.6*.
- Hood & Fan System (Type I or Type II Plan Schematic):
 - Provide detailed manufacturer drawings, shop fabrication drawings or detailed specifications of the hood & fan system to meet compliance with *IMC Chapter 5*.
 - Indicate on the plan that for 18 inches beyond the hood & cooking appliances (including ceiling) in all directions that it is of non-combustible material per *IMC 506.3.6, 506.5.4, 507.2.6*.
 - Indicate on the plan that for 6 inches beyond each extent of the cooking appliances and the complete rear wall behind the cooking appliances that it is non-combustible material with a flame spread no greater than 25 per *WAC 296-150V-1120 & IMC 507.4.1*
 - Provide all dimensions and indicate the placement meets *IMC 507.4.1* for Canopy style hoods to extend a horizontal distance not less than 6 inches beyond the edge of the appliances (no overhang is required when closed to the appliance side by a non-combustible wall) and not greater than 48 inches above the cooking surface. (Note: For UL710 listed hood systems the distance above the appliance is exempt)
 - Provide all dimensions and indicate the placement meets *IMC 507.4.2* for Non-Canopy style hoods to be no greater than 3 feet above the cooking surface and not more than 12 inches from the front edge of the cooking surface. (Note: For UL710 listed hood systems the distance above the appliance is exempt)
 - Indicate the hood type (Type I or Type II) as required for the appliances being served per *IMC Chapter 507*. See definitions for appliance by type (Extra-Heavy Duty, Heavy Duty, Medium Duty or Light Duty) per *IMC Chapter 202*. Note the most restrictive appliance shall dictate the total hood design per the prescriptive path (not UL710 listed & labeled).
 - Indicate the hood style (Wall-hung or Back-shelf/Low Proximity) per *IMC 507.5.1 – 507.5.4*.
 - Indicate if the hood is a listed & labeled *UL710* hood system as allowed in per *IMC 507.1*. Documentation is required from the manufacturer with the listing information and proper labeling is to be in place upon inspection. If the hood is not a *UL710 listed* system the hood shall meet all requirements of *IMC Chapter 5* as indicated through a prescriptive path construction.
 - Indicate the material gauge of system per *IMC 506.3.1.1* for the Grease Duct (18 GA stainless), *IMC 507.2.3* (20 GA stainless) for a Type I hood and *IMC 507.5* (24 GA stainless) for a Type II hood. (non-UL710 listed)
 - Indicate the grease duct clearance is in accordance with *IMC 506.3.6* to be not less than 18 inch clear in all directions to combustible materials.

- Indicate the hood joints, seams and penetrations meet *IMC 506.3.2*. (i.e. welded) (non-UL710 listed)
- Indicate the duct for a Type I hood meets *IMC 506.3*.
 - Indicate the duct joint type per *IMC 506.3.2.1*.
 - Indicate the method used for the duct to hood joint per *IMC 506.3.2.2*.
 - Indicate the grease duct joints, seams and penetrations meet *IMC 506.3.2*.
 - Indicate that the proper flange and gasket material at the duct to exhaust fan connection to meet a minimum of 1500 degrees F (816 degrees C) continuous duty per *IMC 506.3.2.3*.
 - Indicate the hinge kit is installed for the hood exhaust housing per *IMC 506.5.3*.
- Indicate the duct for a Type II hood meets *IMC 507.3*.
 - Indicate the compliance with *IMC 507.3.1 through 507.3.3*.
- Indicate the hood exhaust outlet location meets *IMC 507.1.5* (1 outlet no more than 12 feet)
- Indicate the grease filters meet *IMC 507.2.8* (to be UL1046 listed) *through 507.2.9* including the clearances listed in *IMC Table 507.2.8*. (non-UL710)
- Indicate the grease gutters meet *IMC 507.2.9*. (non-UL710)
- Indicate the mounting angle of the grease filters per *IMC 507.8.8.2* (not less than 45 degrees).
- Indicate the CFM rate of the fan including the make, model and serial number (if available) for both a UL710 system and non-UL710 listed system.
 - The CFM required shall meet the appropriate capacity exhaust flow rate by appliance definition and style of hood per *IMC 507.5.1 through 507.5.4*. (non-UL710)
- Indicate the hood supports meet *IMC 507.2.4* (for Type I) or *IMC 507.3.2* (for Type II).

Testing & Inspection Requirements:

- Overall Vendor Unit Inspection: Per *WAC 296-150V-0500(2)(a)* A ‘cover’ inspection is required during construction of the unit before the electrical, plumbing, mechanical, and structural systems (if required) are covered. A ‘final’ inspection is required after vender unit is completed. Wiring installed in surface mount conduit may have the cover inspection waived for a final inspection upon approval from L&I Factory Assembled Structures (FAS) Plan Review or assigned FAS L&I Inspector. Please review all sections of *WAC 296-150V-0500*. A ‘final’ may be conducted to verify all systems in the event the ‘cover’ inspection has not been conducted and it has been approved by Washington State Labor & Industries FAS Plan Review.
- Electrical Testing: Per *NEC 551.60* each Vendor Unit designed with a 120v or 120/240v electrical system shall be tested for the following: (1) Continuity test; (2) Operational test; (3) Polarity test; (4) GFCI test.
- Plumbing Fresh Water Testing: Per *UPC 609.4* upon completion of a section or of the entire hot and cold water supply system, it shall be tested and proved tight under a water pressure not less than the working pressure under which it is to be used.
- Plumbing Waste Water Testing: Per *UPC 712.1* the piping of the plumbing, drainage and venting system shall be tested with water or air except that plastic pipe shall not be tested with air.
- Gas System Testing: Per *WAC 296-150V-1450 & WAC 296-150V-1460* the gas piping shall be tested and documentation of these tests shall be provided to the inspector upon inspection. See the code sections indicated for specific testing standards.
 - Acceptable documentation: A completed ‘Affidavit of Testing’ supplied by *Washington State Labor & Industries FAS Plan Review* OR a test report with the testing agent’s

official letterhead and contact information. The test is to be performed by a third party agent and the testing information is to be supplied to the inspector upon inspection.

- Fire Suppression System Testing: A *Wet-Chemical* extinguishing system shall be installed, maintained, periodically inspected and tested in accordance with NFPA 17A and their listing. Testing and maintenance shall meet all provisions of *IFC 904.5.1 & 904.5.2*.
- Fire Suppression System Testing: A *Dry-chemical* extinguishing systems shall be installed, maintained, periodically inspected and tested in accordance with NFPA 17 and their listing. Testing and maintenance shall meet all provisions of *IFC 904.6.1 & 904.6.2*.
 - Provide to the inspector documentation of either the Wet or Dry Chemical system testing and the system shall be tagged & dated for inspection. The tag shall remain on the system for maintenance & verification.
 - Installation, testing and tagging of the fire suppression system is to be by a certified installer for the specific fire suppression system per the manufacture of the system and per the *IFC*.

Labeling Required:

- Provide a label at the exterior gas connection listing the type of system (LP or NATL), indicate the BTU Input Rating. Example: *Propane Gas System, 250,000 BTU* (less or more per specific BTU demand) per *WAC 296-150V-1420*. The label shall be easily identifiable with contrasting lettering & background.
- Provide a label at the LP shut off valve near the tank for the gas system “LP SHUT OFF”. The label shall be easily identifiable with contrasting lettering & background.
- Provide a label at the electrical service connection in accordance with *NEC 551.46[D]* for the amperage of the service. See the specific code section for the size of lettering & wording.
- Provide a label for a Type I hood designed prescriptively under the *IMC* indicating the CFM flow rate per linear foot of hood *IMC 507.2.1* as indicated by appliance definition & style of hood per *IMC 507.5.1* through *507.5.4*. (Note: UL710 systems are supplied with a label by the manufacturer).
- Provide a label at the potable water connection inlet per *NFPA 1192 section 7.3.7.7*. See the specific code section for the proper size of lettering & wording.

Submitting approved plans to FAS:

The manufacturer, owner or their agent sends plans approved by the licensed professional to the FAS program electronically. The submittal for each VEN model must be a complete package with all of the necessary drawings, forms and other documents in a single PDF. Files with multiple models, partial submittals or submittals from multiple sources are not accepted.

Use the following instructions to send your approved LP reviewed plans to FAS:

1.) Plans from approved Licensed Professionals must bear their review approval stamp and be a single flattened PDF file for each VEN model that contains the drawings, forms and other documents required by the plan checklist above. Insignia request forms must be in a separate file in order to be processed.

2.) Email FAS1@lni.wa.gov to inform us that you would like to submit a plan(s) reviewed by a licensed professional. The email must include:

- a) The name of the applicant (owner or manufacturer name) and manufacturer number if a number has previously been assigned to them (the same one you use for plan approval requests/insignia requests)
 - b) Email addresses for the contact that will be submitting plans to your account.
- 3.) You will receive an email from the BOX.com cloud system linking you to a document folder for plan uploads. If you do not have a BOX.com account, you will be prompted to create a free one for current and future submittals (see attachment). You will also be able to access approved plans through this box.
- 4.) Upload your documents to the BOX.com account. The upload should contain the following:
- a) A single flattened PDF of the LP approved plan for each VEN model, and
 - b) If insignia need to be issued, a file containing the insignia request forms
- 5.) Once you upload plans, we will send you a unique permit number (FP number) and a link to pay your plan review fees and applicable insignia fees, online by credit card. When the fees are received the plan(s) will move to "in line" status for acceptance processing.
- 6.) Once your plans are accepted and an FAS plan approval number has been added you will be emailed a BOX link to access the plans. You will need to print/retain the copies of the approved plan at each location where inspections take place.
- 7.) You can use this plan number to request inspections and to order additional insignia.