



STATE OF WASHINGTON  
DEPARTMENT OF LABOR AND INDUSTRIES  
Factory Assembled Structure  
PO Box 44430 Olympia, Washington 98504-4430

Dear Concessionaire:

You have probably been directed to contact Labor and Industries for approval of your mobile food business. By law, a structure on a permanent chassis that is used for commercial purposes is a "Commercial Coach" or a "Conversion Vendor Unit." Such units are regulated by Labor & Industries for the structural elements when applicable, electrical wiring, the water supply and waste water systems, as well as any mechanical systems such as fuel gas piping, and fire suppression systems. You can think of us as the building department for the entire state for portable structures. Labor and Industries does not determine what elements you might need to satisfy the health department requirements, for example the health department may require a hand washing sink, but it is Labor & Industries responsibility to be sure it is installed correctly.

In order to obtain Labor & Industries approval of your concessions trailer or truck, you will need to submit two sets of plans to the Plan Review Section in Tumwater. There is a fee for approving your plans as published in WAC 296-150V-3000. We will examine the plans for conformance to the proper building codes and notify you of the results. You will also need to purchase an insignia of approval.

Once your plans are approved, one copy of the plans will be returned to you by mail, at which time you should schedule your unit for inspection with the Factory Assembled Structures Inspector at our local office. Travel Time, Inspection Time and Mileage will be charged to you in accordance with the published fees schedule in WAC 296-150V-3000. There will typically be two inspections; the first being a "cover inspection" before the walls and roof are concealed by the interior finish material and when all of the electrical wiring, plumbing and other elements are in place. There is also a "final" inspection when the unit is completely finished and ready to go down the road. Upon passing the Final Inspection, the inspector will affix the insignia to the outside of the unit to show approval by Labor & Industries. This insignia must be maintained as a permanent record of Labor & Industries approval.

The plans you submit for plan review need to contain enough information for us to determine conformance with the applicable codes. Please refer to our sample drawing set as an example of the type of information that is needed. The plan set could include, but is not limited to the following:

Floor Plan: Show the layout of the trailer or truck along with the locations and sizes of doors and windows and the overall dimensions of the unit. Also show the locations of counters, appliances, equipment, LP gas containers, generator compartment, battery compartment, and plumbing fixtures such as sinks.

Structural: If you have equipment or appliance loads of 500 lbs or more on an area of 16 square feet or less you will need to provide either a structural analysis or a structural load test from a registered engineer. Please contact the plan review section at 360-902-5218 for additional information.

Electrical: Show the locations of outlets, lights, switches, other electrical devices such as inverters, batteries and the main distribution panel box. The electrical information may be combined with the floor plan drawing or you can provide it as a separate drawing. Include a schedule showing what breakers are installed in the main panel box including breaker sizes and what devices (lights, receptacles etc...) they control.

Plumbing: Show the locations of sinks, holding tanks, water heaters, pumps and other plumbing fixtures. Include pipe sizes for water supply and sizes for the drain and vent pipes. List the operating pressure of the water supply system, along with the length of water piping from the inlet or pump to the furthest fixture. Show the location and size of the water supply inlet and the drainage system outlet.

Mechanical: If you have gas appliances in your concession trailer or truck, you need to show the fuel gas piping layout and size. Please list the BTU/H rating for all fuel gas appliances on the drawings. Show the location of the fuel gas supply inlet and tank. Provide the type of fuel (i.e.: natural gas or propane) and the length of the piping run from the tank or inlet to the furthest appliances. If any of your cooking equipment are "commercial" appliances you should show the required hoods and fire suppression systems.

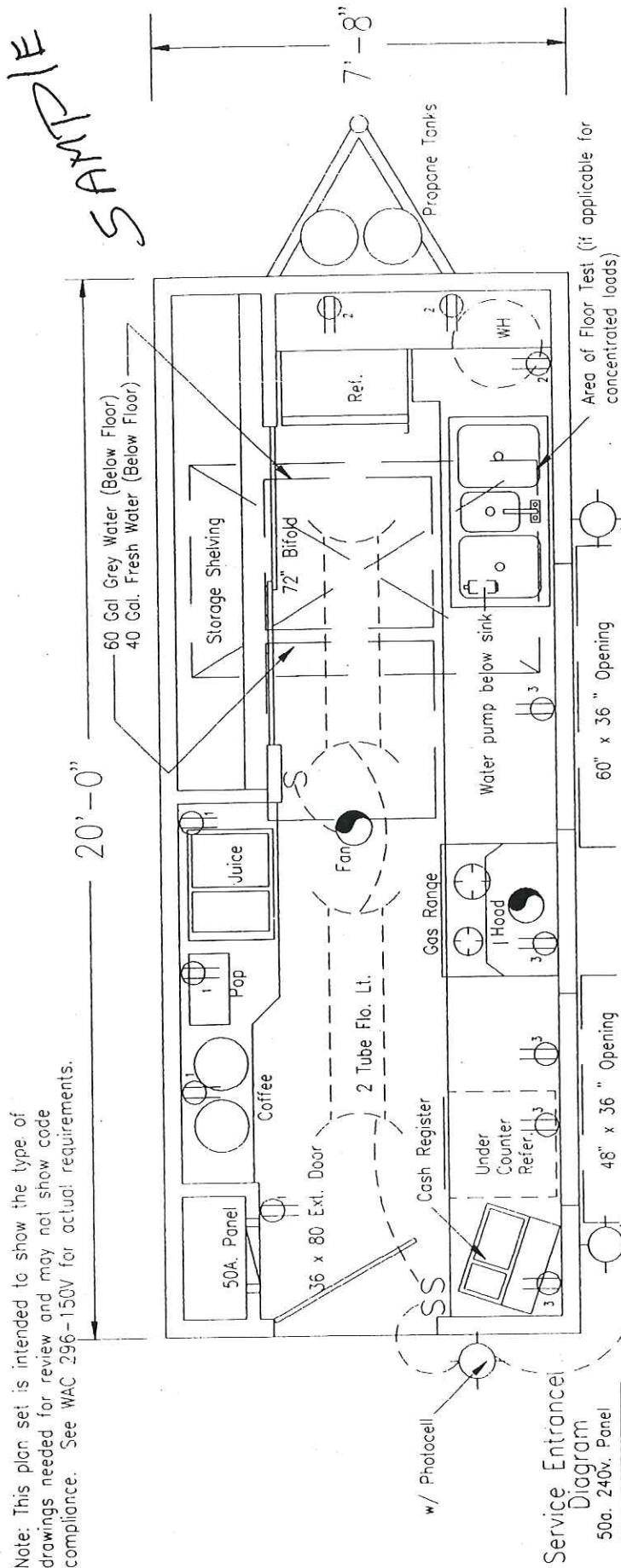
**NOTE:** You should check with all local building departments where you plan to use your unit. Some building departments may not allow the use of conversion vendor units in their jurisdiction.

If you should have questions or need additional assistance you may contact Plan Review Supervisor at 360-902-5218.

Concessionaire

# SAMPLE

Note: This plan set is intended to show the type of drawings needed for review and may not show code compliance. See WAC 296-150V for actual requirements.



| Description         | Size | Spaces | Wire  |
|---------------------|------|--------|-------|
| Ckt #1 Recepts      | 20a  | 120v   | 12ga. |
| Ckt #2 Recepts      | 20a  | 120v   | 12ga. |
| Ckt #3 Recepts      | 20a  | 120v   | 12ga. |
| Ckt #4 Lights & Fan | 15a  | 120v   | 14ga. |
| Ckt #5 Hood & Range | 20a  | 120v   | 12ga. |
| Ckt #6 Pumps        | 15a  | 120v   | 14ga. |
| Ckt #7 Water Heater | 20a  | 120v   | 10ga. |
| Ckt #8 Spare        |      |        |       |

Area of Floor Test (if applicable for concentrated loads)

60" x 36" Opening

48" x 36" Opening

Hubbell #RV3250 plug.

Service entrance cord in storage box below floor.

(Note: 0 3 wire service is acceptable for 120 volt systems)

4 wire service #4 #4 #6 neutral #10 ground

Service Entrance Diagram 50c. 240v. Panel

50A. Panel

50c. 240v. Panel

Service Entrance Diagram

Date: 12/97  
 Drawn By:  
 Dwg#:

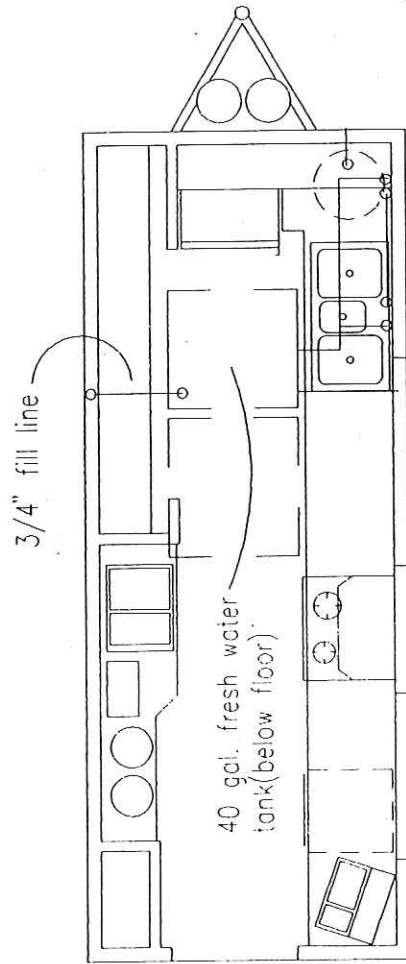
Scale: 1/2" = 1'-0"  
 Revision: 7/1/99  
 File#:

Sample Drawing Set for Conversion Vendor Units per WAC 296-150V. Wash. State Dept. of Labor and Industries.

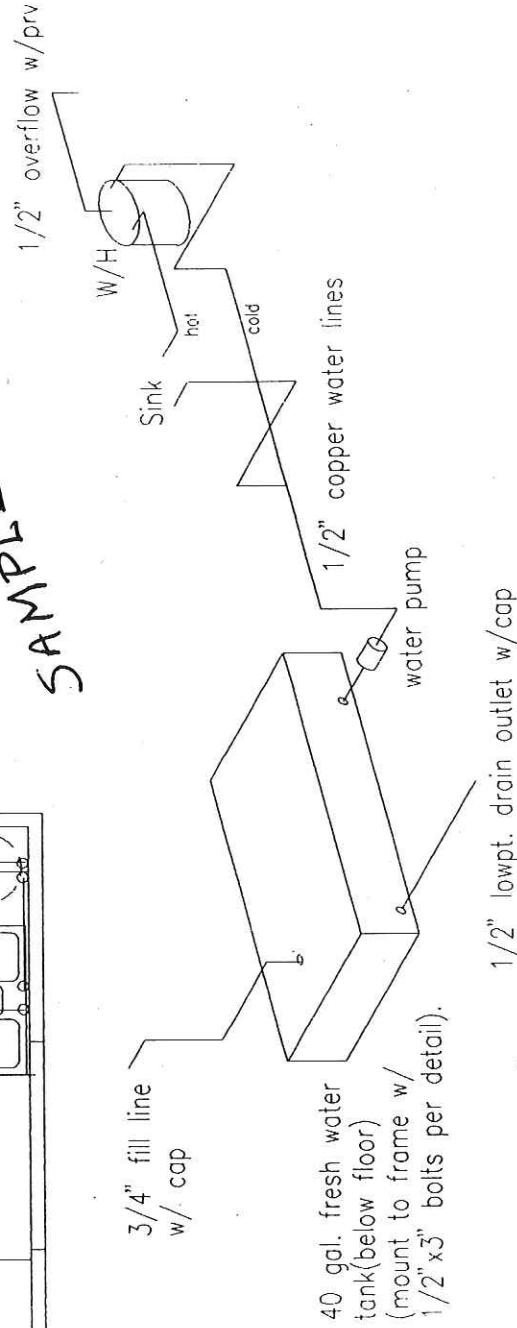
Typical Floor Plan

# SAMPLE

Sized per UPC Table 6-4  
30-45 psi, 40' max. length



## SAMPLE



Water Lines

Sample Drawing Set for Conversion Vendor Units per  
WAC 296-150V. Wash. State Dept. of Labor and Industries.

Date: 12/97

Scale: 1/2" = 1'-0

Drawn By:

Revision: 7/1/99

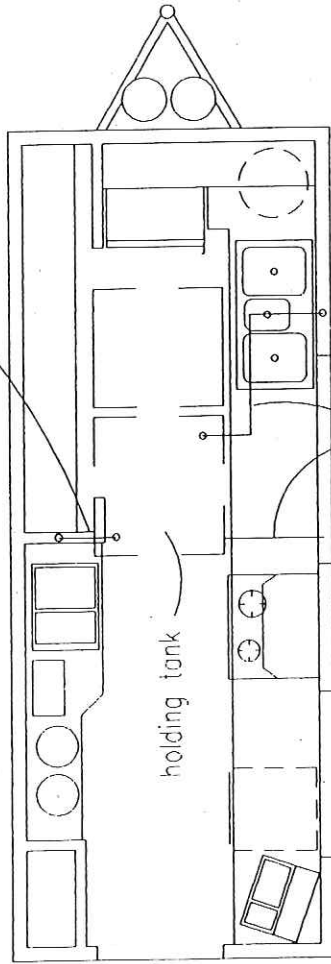
Dwg#:

File#:

# SAMPLE

SAMPLE

1-1/2 vent



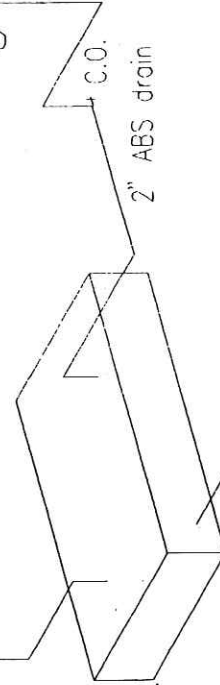
holding tank

2" drains

1-1/2 vent thru roof

Sink w/  
1-1/2" P-trap  
and trap arm

60 gal. holding tank (below floor) listed for RV use. Mount to frame per detail.



2" drain outlet w/cap and gate valve

Drain Lines

Sample Drawing Set for Conversion Vendor Units per WAC 296-150V. Wash. State Dept. of Labor and Industries.

Date: 12/97

Drawn By:

Dwg#:

Scale: 1/2" = 1'-0

Revision: 7/1/99

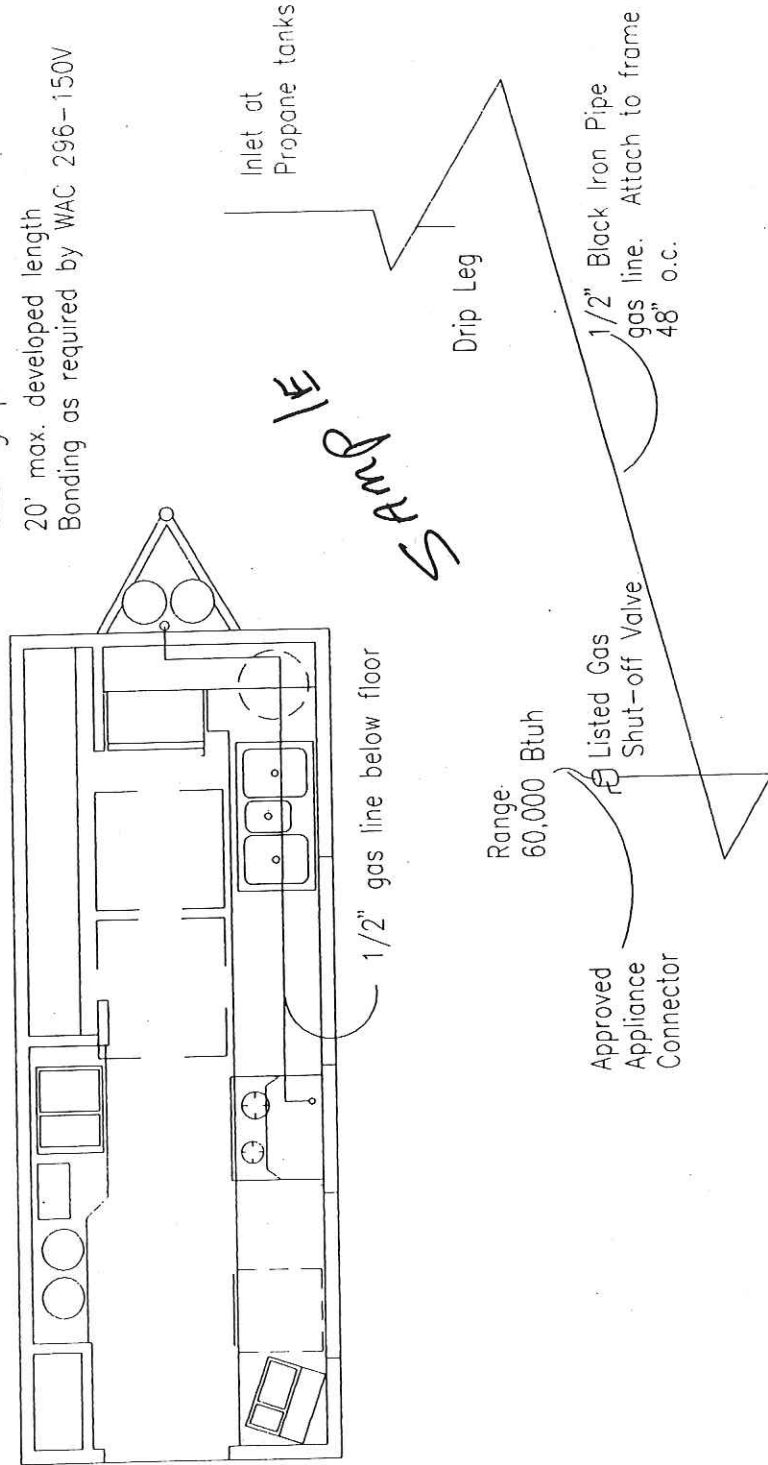
File#:

SAMPLE

Sizing per- UMC Chpt.13

20' max. developed length

Bonding as required by WAC 296-150V



Gas Lines

Sample Drawing Set for Conversion Vendor Units per  
WAC 296-150V. Wash. State Dept. of Labor and Industries.

Date: 12/97

Scale: 1/2"=1'-0

Drawn By:

Revision: 7/1/99

Dwg#:

File#:



STATE OF WASHINGTON  
DEPARTMENT OF LABOR AND INDUSTRIES  
Field Services & Public Safety  
*Factory Assembled Structures*  
PO Box 44430 Olympia, Washington 98504-4430

## **Conversion Vendor/Medical Mobile Units**

### **Regulations**

Food trucks, concession trailers and mobile medical units, used in Washington State are inspected by the Department of Labor & Industries, Field Services and Public Safety Division and are to be constructed to comply with the following codes. Copies of the Factory Built Structures WAC Rules are enclosed. Washington State Amendments and Washington State Building Codes are available from Washington Association of Building Officials.

#### 1. Rules for Conversion Vendor Units & Medical Units

Chapter 296-150V WAC (Dated 6/21/2016) (Enclosed)

Note: As rules are updated they will be available on our website

<http://www.lni.wa.gov/TradesLicensing/FAS/FoodTruckTrailer/default.asp>

What codes apply to conversion vendor units or medical units?

(2) A conversion vendor unit or medical unit must comply with the following codes where applicable:

(a) The International Mechanical Code (current edition), with the amendments made by the Washington State Building Code Council, chapter 51-52 WAC.

(b)(i) For conversion vending units Article 551, Parts I through VI of National Electrical Code/National Fire Protection Agency (NFPA) 70, (current edition), or Article 552, Parts I through V Article of National Electrical Code/National Fire Protection Agency (NFPA) 70, (current edition),

(ii) For medical units the current edition National Electrical Code as referenced in chapter 19.28 RCW and chapter 296-46B WAC, installing electric wires and equipment.

(c) Chapter 7 of National Fire Protection Association (NFPA) 1192, (current edition), or the Uniform Plumbing Code (current edition), as adopted and amended according to chapter [19.27](#) RCW.

(d) The Washington State Building Code Council, chapter 51-50 WAC, International Building Code (current edition), Chapter 11, Accessibility as applies to the exterior of the unit relating to customer service facilities in section 1109.11.3

3. Also enclosed for your use are:

- A. Concessionaires Letter
- B. Vendor/Medical Conversion Units Pre-Inspection Checklist
- C. Sample drawing set
- D. Plan Approval request form with instructions for completing
- E. Application for Insignia form with instructions for completing

Copies of the Codes are available from:

Washington Association of Building Officials  
P. O. Box 7310  
Olympia, WA 98507-7310  
Phone: 360-628-8669  
Web Site: [wabo.org](http://wabo.org)

You should also contact your local Health Department for their requirements.



Department of Labor and Industries  
 Factory Assembled Structures  
 PO Box 44430  
 Olympia WA 98504-4430



**PLAN APPROVAL REQUEST  
 CONVERSION VENDOR/  
 MEDICAL UNITS**

FedEx/UPS Delivery:  
 Department of Labor and Industries  
 7273 Linderson Way SW  
 Tumwater WA 98501-5414

|                    |            |     |
|--------------------|------------|-----|
| Company/Owner Name |            |     |
| Address            |            |     |
| City               | State      | Zip |
| Telephone number   | Fax number |     |

|                |                  |                    |
|----------------|------------------|--------------------|
| Contact person | Date             | Fee enclosed<br>\$ |
| Email address  |                  |                    |
| Signature      | Telephone number | Fax number         |

*See WAC 296-150V-3000 for fees required*

|                 |          |             |                     |
|-----------------|----------|-------------|---------------------|
| New plan design | Addendum | Resubmittal | One time filing fee |
| \$ _____        | \$ _____ | \$ _____    | \$ _____            |

**Size of Vendor/Medical Unit:** Width \_\_\_\_\_ Length \_\_\_\_\_ Area (Sq Ft.) \_\_\_\_\_  
**Electrical Service:** Amps \_\_\_\_\_

|  | Attached             | N/A                |
|--|----------------------|--------------------|
| Concentrated load calculations or test proposals | _____                | _____              |
| Panel box schedule/electric load calc's          | _____                | _____              |
| Floor plan drawing                               | _____                | _____              |
| Gas piping drawing                               | _____                | _____              |
| Water supply drawing                             | _____                | _____              |
| Drain and vent drawing                           | _____                | _____              |
| Operating pressure _____                         | No of fixtures _____ | Total length _____ |

| For Department Use Only |                 |                      |
|-------------------------|-----------------|----------------------|
| Fee ledger sheet number | Application ID  | Plan approval number |
| Date approved           | Expiration date |                      |

Department of Labor and Industries  
 Factory Assembled Structures  
 PO Box 44430  
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**PLAN APPROVAL REQUEST  
 CONVERSION VENDOR/  
 MEDICAL UNITS**

FedEx/UPS Delivery:  
 Department of Labor and Industries  
 7273 Linderson Way SW  
 Tumwater WA 98501-5414

|                             |            |     |
|-----------------------------|------------|-----|
| Company/Owner Name <b>1</b> |            |     |
| Address                     |            |     |
| City                        | State      | Zip |
| Telephone number            | Fax number |     |

|                         |                  |                    |
|-------------------------|------------------|--------------------|
| Contact person <b>2</b> | Date             | Fee enclosed<br>\$ |
| Email address           |                  |                    |
| Signature               | Telephone number | Fax number         |

*See WAC 296-150V-3000 for fees required*

|                                |                         |                            |                                    |
|--------------------------------|-------------------------|----------------------------|------------------------------------|
| New plan design<br>\$ <b>3</b> | Addendum<br>\$ <b>4</b> | Resubmittal<br>\$ <b>5</b> | One time filing fee<br>\$ <b>6</b> |
|--------------------------------|-------------------------|----------------------------|------------------------------------|

**Size of Vendor/Medical Unit:** Width **7** Length \_\_\_\_\_ Area (Sq Ft.) \_\_\_\_\_

**Electrical Services:** Amps **8** \_\_\_\_\_

|  | Attached             | N/A                |
|--|----------------------|--------------------|
| Concentrated load calculations or test proposals | <b>9</b>             | _____              |
| Panel box schedule/electric load calc's          | _____                | _____              |
| Floor plan drawing                               | _____                | _____              |
| Gas piping drawing                               | _____                | _____              |
| Water supply drawing                             | _____                | _____              |
| Drain and vent drawing                           | _____                | _____              |
| Operating pressure <b>10</b>                     | No of fixtures _____ | Total length _____ |

| <b>For Department Use Only</b> |                 |                      |
|--------------------------------|-----------------|----------------------|
| Fee ledger sheet number        | Application ID  | Plan approval number |
| Date approved                  | Expiration date |                      |

## **Instructions for completing Plan Approval Request Conversion and Vendor/Medical Units**

1. Provide owner name, address, and telephone number and your fax number if available.
2. Print and sign the name of the contact person responsible for this plan and for information. Include on this line the date the plan was sent to the Department and the total fee enclosed for this Vendor/Medical Unit. See WAC 296-150V-3000 for the fee schedules. Provide an extension number or direct line and FAX number if available for the contact person. Provide the email address of the contact person.
3. Use this line if a new plan is submitted for the first time. Indicate the appropriate fee to be paid. See WAC 296-150V-3000.
4. This line is to be used if this submittal is an ADDENDUM to a previously approved plan. Indicate the fee paid and the approved plan number that you wish to amend.
5. Fill in this line only if this is a resubmittal response to a previously reviewed and rejected plan. Indicate the fee required for resubmittal. See WAC 296-150V-3000.
6. This is a ONE TIME fee for first-time applicants. This applies to MANUFACTURERS ONLY.
7. Show the width, length, and the square footage of the Vendor/Medical Unit.
8. Provide the size of the Electrical Service for the whole Vendor/Medical Unit. The size of the electrical service is usually the same as the main breaker.
9. This section is meant to act as a checklist for some of the information that may be necessary to approve the Vendor/Medical Unit. Not all elements may be applicable to your plan and as such may be 'N/A'.
10. Provide plumbing system operating pressure whenever plumbing fixtures are installed in the Vendor/Medical Unit. Provide the number of individual fixtures that are installed in the Vendor/Medical Unit. Provide the total length of the water supply system. For self contained Vendor/Medical Units, the length is from the pump to the most remote fixture.

Department of Labor and Industries  
 Factory Assembled Structures  
 PO Box 44430  
 Olympia WA 98504-4430



## APPLICATION FOR INSIGNIA CONVERSION VENDOR/ MEDICAL UNITS

FedEx/UPS Delivery:  
 Department of Labor and Industries  
 7273 Linderson Way SW  
 Tumwater WA 98501-5414

**A separate form is required for each unit unless multiple units have the same plan approval, addendum, and design options.**

|      |                    |
|------|--------------------|
| Date | Fee Enclosed<br>\$ |
|------|--------------------|

Vendor (original)  Replacement

|                        |                            |          |
|------------------------|----------------------------|----------|
| Manufacture/Owner Name | Mfg Number (issued by L&I) |          |
| Address                |                            |          |
| City                   | State                      | Zip Code |
| Telephone Number       | Fax Number                 |          |

|              |               |            |
|--------------|---------------|------------|
| Contact Name | Email Address |            |
| Signature    | Phone Number  | Fax Number |

A non-refundable fee is due with application. Please make your check payment to: Labor & Industries.

**Important: Each insignia is assigned to a specific vehicle.**

| 1.                           | Serial No. or VIN No. | Dept. Insignia No. | Approved Plan No. | Fee<br>\$ |
|------------------------------|-----------------------|--------------------|-------------------|-----------|
| Electrical Service Size<br>/ |                       |                    | Plumbing Fixture  |           |
| 2.                           | Serial No. or VIN No. | Dept. Insignia No. | Approved Plan No. | Fee<br>\$ |
| 3.                           | Serial No. or VIN No. | Dept. Insignia No. | Approved Plan No. | Fee<br>\$ |
| 4.                           | Serial No. or VIN No. | Dept. Insignia No. | Approved Plan No. | Fee<br>\$ |
| 5.                           | Serial No. or VIN No. | Dept. Insignia No. | Approved Plan No. | Fee<br>\$ |
| 6.                           | Serial No. or VIN No. | Dept. Insignia No. | Approved Plan No. | Fee<br>\$ |

Select how you want your insignia(s) mailed.

Total number of tags: \_\_\_\_\_

USPS mail  Overnight at customer expense  
 Other: \_\_\_\_\_ Carrier: \_\_\_\_\_  
Acct. #: \_\_\_\_\_

| For Department Use Only |           |              |
|-------------------------|-----------|--------------|
| Fee Ledger No.          | Check No. | Amount<br>\$ |
| Insignia Released By    | Date      | To           |

Department of Labor and Industries  
 Factory Assembled Structures  
 PO Box 44430  
 Olympia WA 98504-4430



## APPLICATION FOR INSIGNIA CONVERSION VENDOR/ MEDICAL UNITS

FedEx/UPS Delivery:  
 Department of Labor and Industries  
 7273 Linderson Way SW  
 Tumwater WA 98501-5414

**A separate form is required for each unit unless multiple units have the same plan approval, addendum, and design options.**

|  |          |                                      |            |
|--|----------|--------------------------------------|------------|
| Date                                       | <b>1</b> | Fee Enclosed                         |            |
|  |          | \$                                   |            |
| <input type="checkbox"/> Vendor (original) | <b>2</b> | <input type="checkbox"/> Replacement |            |
| Manufacture/Owner Name                     | <b>3</b> | Mfg Number (issued by L&I)           | <b>4</b>   |
| Address                                    |          |                                      |            |
| City                                       |          | State                                | Zip Code   |
| Telephone Number                           |          | Fax Number                           |            |
| Contact Name                               | <b>5</b> | Email Address                        |            |
| Signature                                  |          | Phone Number                         | Fax Number |

A non-refundable fee is due with application. Please make your check payment to: Labor & Industries.

**Important: Each insignia is assigned to a specific vehicle.**

| 1. | Serial No. or VIN No.     | Dept. Insignia No. | Approved Plan No. | Fee      |
|----|---------------------------|--------------------|-------------------|----------|
|    | <b>6</b>                  | <b>7</b>           | <b>8</b>          | <b>9</b> |
|    | Electrical Service Size / |                    | Plumbing Fixture  |          |
|    | <b>10</b>                 |                    | <b>11</b>         |          |
| 2. | Serial No. or VIN No.     | Dept. Insignia No. | Approved Plan No. | Fee \$   |
| 3. | Serial No. or VIN No.     | Dept. Insignia No. | Approved Plan No. | Fee \$   |
| 4. | Serial No. or VIN No.     | Dept. Insignia No. | Approved Plan No. | Fee \$   |
| 5. | Serial No. or VIN No.     | Dept. Insignia No. | Approved Plan No. | Fee \$   |
| 6. | Serial No. or VIN No.     | Dept. Insignia No. | Approved Plan No. | Fee \$   |

Total number of tags: **13**

Select how you want your insignia(s) mailed.

USPS mail

Overnight at customer expense

Other: \_\_\_\_\_

Carrier: \_\_\_\_\_

Acct. #: \_\_\_\_\_

| For Department Use Only |           |           |
|-------------------------|-----------|-----------|
| Fee Ledger No.          | Check No. | Amount \$ |
| Insignia Released By    | Date      | To        |

## **Instructions for Application for Insignia Conversion Vendor/Medical Units**

1. Enter the application date and the total fee for all insignias requested on this form.
2. Check the appropriate box for the type of insignia you are requesting.
3. Complete as much of the Manufacture/Owner information as available.
4. L&I will assign Manufacture Number upon approval of the manufacture's first plan.
5. Provide the name of the contact person requesting the insignia(s) and their contact information in case the department has questions about your application.
6. Enter the unique manufacture serial number for which an insignia is being requested. You can use the last five numbers of the vehicle identification number (VIN).
7. This box is for department use only. Leave blank.
8. If applicable, enter the previously approved plan number for which this insignia is being requested. If the insignia request accompanies a new plan approval request, you should leave this blank and the department will enter the plan approval number when assigned.
9. See WAC 296-150V-3000 for the current fee schedules.
10. Show the size of the electrical service to the unit.
11. Indicate the number of plumbing fixtures (not fixture units) within the building. Do not count icemakers. Count hot water heaters; hose bibs; etc.
12. Request additional insignias required for the building configuration or the other buildings.
13. Show the total number of insignias on this request. Indicate how you want insignias to be forwarded to the inspector. If requesting overnight delivery, you must give the carrier to be used and your account number to be billed.

### **Preparing for Inspections:**

Visit [www.Lni.wa.gov/TradesLicensing/FAS/Types/VendMed/](http://www.Lni.wa.gov/TradesLicensing/FAS/Types/VendMed/) for instructions about required inspections and insignia.



## VENDOR/MEDICAL CONVERSION UNITS PRE-INSPECTION CHECKLIST

From time to time Labor & Industries receive inquiries by vendor owners, manufacturers and others on what they need to know how to get their vendor unit or medical unit approved with an insignia by Labor and Industries (as listed below). Local County/City Jurisdictions, Insurance Companies, Health Departments, and others may generate inquiries and will not accept a vendor unit unless it has had a Plan Review and field inspection by L&I to meet the requirements for usage at their respective venues.

Conversion Vendor/Medical units built to be used in Washington State are inspected by the Department of Labor and Industries, Specialty Compliance Services Division, Factory Assembled Structures and are to be converted or built to comply with the following Laws and Codes. RCW 43.22, WAC 296-150V, RCW 19.28, WAC 296-46B current edition NEC Article 551 and 552 and other applicable sections, current edition IMC, current edition UPC, current edition NFPA 1192, current edition IFC.

This checklist is designed to be generic in content and may not include all requirements for your particular installation. The Vendor unit may require a Plan Review approval and checklist installation instruction must be adhered to and available to the inspector at the time of the inspection. You may contact the L&I Factory Assemble Structures Plan Review section for additional information. Be sure you can answer YES to all of the questions before calling for inspection. Failure of the inspection will require a reinspection fee to be paid.

**Please call your local L&I Factory Assembled Structures Inspector with any questions.**

### Reference

### Compliance

| Reference         | Compliance   | Yes                      | No                       |
|-------------------|--|--------------------------|--------------------------|
| WAC 296-150V-0020 | Conversion vendor/medical unit is defined as a motor vehicle or other structure that has been converted or built for the purpose of being used for commercial sales at temporary locations. The unit must be 8 feet six inches or less in width (exterior floor measurement) in the set-up position, and the inside working area must be less than 40 feet in length (interior floor measurement) and are: (1) transportable in only one section (2) designed for highway use (3) temporarily occupied for distribution of items, e.g., food; (4) built on a permanent chassis; and (5) include at least one of the following systems: Plumbing, mechanical or electrical. | <input type="checkbox"/> | <input type="checkbox"/> |
| WAC 296-150V-0210 | If you are applying for insignia, you must have your design plan approved and your conversion vendor/medical unit inspected and approved by L&I. Complete Application for Insignia in its entirety including section (1) starting with Mfg. Serial No.   | <input type="checkbox"/> | <input type="checkbox"/> |
| WAC 296-150V-0220 | Upon request L&I Factory Assembled Structures Plan Review, will provide you with a packet of information that includes all required forms.   | <input type="checkbox"/> | <input type="checkbox"/> |
| WAC 296-150V-0300 | Design-plan approval required when you build a new unit, you modify an approved design plan through addendums; you add options to an approved design plan through addendums  | <input type="checkbox"/> | <input type="checkbox"/> |
| Electrical        | Show the general location of outlets, lights, switches, and the main distribution panel box. Include a schedule showing what the breakers in the main panel box are including breaker sizes and what they control. Provide electrical load calculations that show the overall electrical demand in amps.   | <input type="checkbox"/> | <input type="checkbox"/> |
| Mechanical        | If you have gas appliances in your vendor unit, you must show the gas piping layout and size. Provide BTU/H input requirements for all gas appliances. Show the location of the gas supply inlet or tank. Provide the type of fuel (i.e. natural gas or propane) and the length of the piping run from the tank or inlet to the furthest appliances.   | <input type="checkbox"/> | <input type="checkbox"/> |

**Reference**

**Compliance**

| Reference                             | Description   | Yes                      | No                       |
|---------------------------------------|---|--------------------------|--------------------------|
| Plumbing                              | Show the locations of all sinks, holding tanks, and other plumbing fixtures. Include pipe sizes for water supply and drainage, waste and vent pipes. Provide information on the operating pressure in the water supply system, length of water piping from the inlet or pump to the furthest fixture. Show the location and size of the drainage system outlet. Provide type of piping material being used for water and DWV.   | <input type="checkbox"/> | <input type="checkbox"/> |
| Structural                            | Only concentrated loads of 500 lbs. or more in a 16 square foot area need to be engineered.   | <input type="checkbox"/> | <input type="checkbox"/> |
| WAC 296-150V-1420                     | Provide label at exterior gas connection listing type of system (LP or NATL), BTU Input Rating and if excess input is allowed.  | <input type="checkbox"/> | <input type="checkbox"/> |
| WAC 296-150V-1100                     | The flame-spread requirements for all walls and ceilings must be 200 flame-spread or less.  | <input type="checkbox"/> | <input type="checkbox"/> |
| WAC 296-150V-1110                     | The exposed wall adjacent to the cooking range must be 50 flame-spread or less, such as 5/16 inch gypsum board or material having equivalent fire protective properties. All openings for pipes and vents in furnace and water heater spaces shall be tight-fitted or fire-stopped.   | <input type="checkbox"/> | <input type="checkbox"/> |
| WAC 296-150V-1120                     | The bottom and sides of combustible cabinets over cooking appliances or tops including a space of 6 inches from the edge of the burners must be protected with at least 5/16 inch sheetrock with a 25 flame spread. This material must be behind deep fat fryers, grills, ranges, and other cooking appliances. It must extend 6 inches beyond the edge of the appliance and range hood. (1) Range hoods for commercial equipment must meet the requirements of the International Mechanical Code such as Type I or II hoods and Fire suppression. (2) Range hoods for noncommercial equipment may be of a residential type, the hood must be centered over and at least as wide as the top of the cooking appliance. | <input type="checkbox"/> | <input type="checkbox"/> |
| WAC 296-150V-1180                     | Pass-through window areas shall be safety glazed based on the IBC 2406.1 Each pane of safety glazing installed in a hazardous location shall be identified  | <input type="checkbox"/> | <input type="checkbox"/> |
| WAC 296-150V-1185                     | The exit door must have at least 28 inches wide opening by 72 inches high, units with doors less than 28 inches in width must have a second means of exit. The second means of exit shall be 24 inches by 17 inches. When there are employees, a minimum of 28 inch clear door opening must be provided   | <input type="checkbox"/> | <input type="checkbox"/> |
| WAC 296-150V-1303                     | Storage batteries must be securely attached to the vendor unit. They must be installed in an area which is vapor tight to the interior and ventilated directly to the exterior. When batteries are installed in a compartment, the compartment must be ventilated with openings not less than 2 square inches at the top and 2 square inches at the bottom. Batteries shall not be installed in a compartment containing spark or flame producing equipment.  | <input type="checkbox"/> | <input type="checkbox"/> |
| WAC 296-150V-1350                     | LP-Gas containers must be mounted on either; (1) the A-frame and not lower than the bottom of the trailer frame. (2) installed in a compartment that is vapor-tight to the inside of the vendor/medical unit and accessible only from the outside; or be mounted on the chassis or to the floor and neither the container nor its supports may be lower than the top of the axle height.  | <input type="checkbox"/> | <input type="checkbox"/> |
| WAC 296-150V-1350<br>NFPA1192 5.2.6.1 | LP-Gas container being housed in a compartment enclosure shall be ventilated at or near the top and at the extreme bottom to facilitate diffusion of vapors. The vents shall be equally distributed between the floor and ceiling of the compartment. Vents shall have an unrestricted discharge to the outside atmosphere. LP-Gas containers shall be secured in place so they will not become dislodged.  | <input type="checkbox"/> | <input type="checkbox"/> |
| WAC 296-150V-1360-1390                | Vendor & Medical units using gas may be piped for LPG, NG or both. Fuel gas piping shall not be concealed inside walls or floors of the unit. It may pass perpendicular through a wall or floor only when protected by a weather resistant and snug fitting grommet. Only pipe joint compound approved for the type of Fuel gas & Fuel gas pipe shall be used and shall be supported every 4 feet by metal hangers or strapping or by a structural member. Fuel gas piping shall be rigidly anchored within 6 inches of the supply connections.   | <input type="checkbox"/> | <input type="checkbox"/> |



**Reference**

**Compliance**

|                   |  | Yes<br><input type="checkbox"/> | No<br><input type="checkbox"/> |
|-------------------|--|---------------------------------|--------------------------------|
| WAC 296-150V-1410 | Fuel gas piping shall not be used for an electrical ground. Fuel gas line must be bonded with a number 8 copper minimum or equal conductor to the ground buss or the electrical panel.   | <input type="checkbox"/>        | <input type="checkbox"/>       |
| WAC 296-150V-1440 | A full-way fuel gas shut off valve shall be installed with-in 6 feet of the cooking appliance or within 3 foot of any other appliance inside the unit. A shut off valve may serve more than one appliance  | <input type="checkbox"/>        | <input type="checkbox"/>       |
| WAC 296-150V-1450 | The fuel gas piping system must stand a pressure of at least 10 psi gauge for a period of not less than 15 minutes without showing any drop in pressure. Pressure must be measured with a gauge calibrated to be read in increments of not greater than 1/10 pound. The source of pressure must be isolated before the pressure tests are made. Before a test is begun, the temperature of the ambient air and of the piping must be approximately the same, and constant air temperature must be maintained throughout the test.  | <input type="checkbox"/>        | <input type="checkbox"/>       |
| WAC 296-150V-1550 | Drain outlets must be equipped with a watertight cap or plug that must be permanently attached to the unit.  | <input type="checkbox"/>        | <input type="checkbox"/>       |
| WAC 296-150V-1570 | All piping for potable water shall be of approved material. When potable water holding tanks are used they shall be a listed product, (IAPMO, NSF, & UPC). All potable water supply connections shall be equipped with a water tight cap or plug that is permanently attached to the vehicle, chain or strap.  | <input type="checkbox"/>        | <input type="checkbox"/>       |
| WAC 296-150V-1580 | Water heater relief valves must be provided with full-size drains. Drains must be directed to the exterior of the unit, exiting at least 6 inches above the ground, and must exhaust downward. Drain lines must be of a material approved for hot water distribution and must drain fully by gravity, must not be trapped, and must not have their outlets threaded.   | <input type="checkbox"/>        | <input type="checkbox"/>       |
| WAC 296-150V-1590 | <p>Waste water holding tanks must be listed for the intended use, securely installed, easily removable for service, Neither the inlet nor vent fitting may extend downward into the tank more than 1-1/2 inches. Drain opening must be located at the lowest point of the tank. Tanks must be vented at the highest point in the top of the tank by one of the following methods; (1) A 1-1/4 inch diameter vent pipe. (2) A continuous vent serving as a drain from one additional fixture provided the drain portion is increased one pipe size larger than the connected trap arm. (3) Two or more vented drains when at least one is wet vented and each drain is separately connected to the top of the tank. All waste lines from sinks shall be a minimum of 1-1/2 inches, ABS or equivalent. Drain lines from hand wash sink may be 1-1/4 inches.</p> <p>An auto-vent may be used to vent drain lines from 1-2 compartment sinks. Three compartment sinks shall be vented per Uniform Plumbing Code.</p> <p>The waste water tank shall have a minimum of 1-1/4 inch vent extending to the outside of the unit at least 6 foot above the ground. The tank must be approved for this purpose. IAPMO, UPC</p> | <input type="checkbox"/>        | <input type="checkbox"/>       |
| NFPA 1192 – 5.2.5 | Propane containers located less than 18 inches from the exhaust system, the transmission, or a heat-producing component of the internal combustion engine shall be shielded by a vehicle frame member or by a noncombustible baffle with an air space on both sides of the frame member or baffle.   | <input type="checkbox"/>        | <input type="checkbox"/>       |
| NFPA 1192–6.4.5   | Internal combustion engine-driven generator units shall be listed and installed in accordance with manufacturer’s instructions and shall be vapor resistant to the interior of the vehicle. The generator compartment shall be lined with galvanized steel not less than 26 MSG thick  | <input type="checkbox"/>        | <input type="checkbox"/>       |

**Reference**

**Compliance**

|                        |  | Yes                      | No                       |
|------------------------|--|--------------------------|--------------------------|
| IMC 507.2.1<br>IMC 509 | Type I hood, classified as commercial equipment, shall be installed where cooking appliances produce grease or smoke, such as occurs with griddles, fryers, boilers, ovens, ranges and wok ranges. Commercial food heating-processing appliances required to have a Type I hood shall be provided with an automatic fire suppression/extinguishing system to protect the cooking equipment. Per IMC 509  | <input type="checkbox"/> | <input type="checkbox"/> |
| IMC 507.2.2            | Type II hood shall be installed where cooking or dishwashing appliances produce heat or steam and do not produce grease or smoke, such as steamers, kettles, pasta cookers and dishwashing machines.   | <input type="checkbox"/> | <input type="checkbox"/> |
| NEC 404.8              | The electrical service panel shall be located so that breakers may be operated from a readily accessible place. They shall be installed such that the center of the grip of the operating handle of the circuit breaker, when in its highest position, is not more than 6' ft 7" inches above the floor or working platform  | <input type="checkbox"/> | <input type="checkbox"/> |
| NEC 551.41(C)          | GFCI, Ground-Fault Circuit-Interrupter receptacles required when the receptacles are installed to serve the countertop surfaces and are within 6 feet of any lavatory or sink and when located on the exterior side of the vehicle.  | <input type="checkbox"/> | <input type="checkbox"/> |
| NEC 551.42 (C)         | A maximum of two to five 15- or 20-ampere circuits to supply lights, receptacles outlets, and fixed appliances shall be permitted. Such vendor/medical units shall be equipped with a distribution panel board rated at 120 volts maximum with a 30-ampere rated main power supply assembly  | <input type="checkbox"/> | <input type="checkbox"/> |
| NEC 551.42 (D)         | A 50-ampere, 120/240-volt power supply shall be used where six or more circuits are employed. It shall use a listed 50-ampere, 120/240-volt main power-supply assembly   | <input type="checkbox"/> | <input type="checkbox"/> |
| NEC 551.44             | Power Supply Assembly, (A) (B) (C) (D) Fifteen, Twenty, Thirty and Fifty-ampere service panels shall use a listed main power supply assembly for their respective ampere service.  | <input type="checkbox"/> | <input type="checkbox"/> |
| NEC 551.45(B)          | The distribution panel board shall be installed in a readily accessible location. Working clearance for the panel board shall not be less than 24 inches wide and 30 inches deep. Exception 1: Where the panel board cover is exposed to the inside aisle space, one of the working clearance dimensions shall be permitted to be reduced to a minimum of 22" inches. A panel board is considered exposed where the panel board cover is within 2" inches of the aisles finished surfaced  | <input type="checkbox"/> | <input type="checkbox"/> |
| NEC 551.46             | The power supply cord shall be installed with a strain relief connector listed for use in wet location. The strain relief is intended to keep the cord secured so that conductors will not be compromised in the electrical service panel. The cord assembly shall have permanent provisions for protection against corrosion and mechanical damage while the vehicle is in transit  | <input type="checkbox"/> | <input type="checkbox"/> |
| NEC 551.56             | All exposed non current carrying metal parts that may become energized shall be effectively bonded. A bonding conductor shall be connected between the distribution panel board and an accessible terminal on the chassis  | <input type="checkbox"/> | <input type="checkbox"/> |
| NEC 517.13             | All branch circuits serving patient care areas shall be installed in a metal raceway system, or a cable having a metallic armor or sheath assembly qualifying as an equipment grounding conductor. All receptacles and electrical equipment over 100 volts, and subject to personal contact, shall be connected to an insulated copper equipment grounding conductor. The equipment ground shall be installed in the same metal raceway, or listed cable having a metallic armor or sheath assembly, with the branch circuit conductors. | <input type="checkbox"/> | <input type="checkbox"/> |

## ENGINEERING CHECK LIST FOR CONVERSION VENDOR UNITS WAC 296-150V

Is an engineering analysis or structural load test required for my vendor conversion unit or a medical unit design plan? (WAC 296-150V-0340)

- Check to be sure that specific loads by equipment or usage do not create concentrated loading that may require engineering analysis or a structural load test. These are required when loads of 500 pounds or more are concentrated in a sixteen square foot area.

Where do I find an engineer to do the calculations and analysis?

- Check in the yellow pages of the phone book, with the engineering associations or recommendations of friends or the construction trades etc. By law we are not permitted to recommend specific names.
- Check to be sure that the engineer is currently licensed with the State of Washington. You may call the Department of licensing at (360) 664-1575 or go to their website: <http://www.dol.wa.gov/business/engineerslandsurveyors/consumers.html> for more information.
- If you have determine to use the structural load test, check to be sure the following test procedures are followed for your design plan (WAC 296-150V-0350)

1. The test must be witnessed by a professional engineer or architect licensed in the State of Washington or by a Department of Labor and Industries Factory Assembled Structure Inspector.
2. Test reports must contain the following items:
  - (a) A determination of the methods or standards that applied;
  - (b) Drawings and a description of the item tested;
  - (c) A description of the test set up;
  - (d) The procedure used to verify the correct load;
  - (e) The procedure used to measure each condition;
  - (f) Test data, including applicable graphs and observations of the characteristics and behavior of the item tested; and
  - (g) Analysis, comments, and conclusion.



STATE OF WASHINGTON  
DEPARTMENT OF LABOR AND INDUSTRIES  
Field Services & Public Safety  
*Factory Assembled Structures*  
PO Box 44430 Olympia, Washington 98504-4430

**MEMORANDUM**  
**MANUFACTURER ONLY**

TO: Food Truck and Concession Trailer Manufacturer's

FROM: Craig Sedlacek, Plan Review Supervisor

SUBJECT: Manufacturer's Contact Personnel

In order that we may serve you better we are requesting you complete the enclosed form and return it to us. By having contact persons on our mailing labels and faxes the information we are sending to you should be received by those who need it. We thank you in advance for your assistance.

If you have any questions, please feel free to contact me at (360)902-5218 or FAX (360)902-5229.

Return to: Craig Sedlacek  
Dept. of Labor & Industries  
P O Box 44430  
Olympia, WA 98504-4430

**MANUFACTURER ONLY**

Factory 1

Company Name: \_\_\_\_\_

Mailing: Address \_\_\_\_\_

City: \_\_\_\_\_ State: \_\_\_\_\_ Zip: \_\_\_\_\_

Physical Address: \_\_\_\_\_

City: \_\_\_\_\_ State: \_\_\_\_\_ Zip: \_\_\_\_\_

Phone No: (\_\_\_\_) \_\_\_\_\_ Ext: \_\_\_\_\_ Fax No: (\_\_\_\_) \_\_\_\_\_

Web Address: \_\_\_\_\_

Contact for Plan Review: \_\_\_\_\_

Phone No: (\_\_\_\_) \_\_\_\_\_ Ext: \_\_\_\_\_ Fax No: (\_\_\_\_) \_\_\_\_\_

Email Address: \_\_\_\_\_

Contact for Plant Audit: \_\_\_\_\_

Phone No.: (\_\_\_\_) \_\_\_\_\_ Ext: \_\_\_\_\_ Fax No: (\_\_\_\_) \_\_\_\_\_

Email Address: \_\_\_\_\_

Factory # 2

(If applicable)

Company Name: \_\_\_\_\_

Mailing Address: \_\_\_\_\_

City: \_\_\_\_\_ State: \_\_\_\_\_ Zip: \_\_\_\_\_

Physical Address: \_\_\_\_\_

City: \_\_\_\_\_ State: \_\_\_\_\_ Zip: \_\_\_\_\_

Phone No: (\_\_\_\_) \_\_\_\_\_ Ext: \_\_\_\_\_ Fax No: (\_\_\_\_) \_\_\_\_\_

Web Address: \_\_\_\_\_

Contact for Plan Review: \_\_\_\_\_

Phone No: (\_\_\_\_) \_\_\_\_\_ Ext: \_\_\_\_\_ Fax No: (\_\_\_\_) \_\_\_\_\_

Email Address: \_\_\_\_\_

Contact for Plant Audit: \_\_\_\_\_

Phone No.: (\_\_\_\_) \_\_\_\_\_ Ext: \_\_\_\_\_ Fax No: (\_\_\_\_) \_\_\_\_\_

Email Address: \_\_\_\_\_

## Chapter Listing

### Chapter 296-150V WAC

Last Update: 12/4/18

### CONVERSION VENDOR UNITS AND MEDICAL UNITS

#### WAC Sections

- 296-150V-0010** Authority, purpose, and scope.
- 296-150V-0020** What definitions apply to this chapter?
- 296-150V-0030** How is this chapter enforced?
- 296-150V-0040** Is manufacturing information kept confidential?
- 296-150V-0050** Can you prohibit the sale or lease of a conversion vendor unit or medical unit?
- 296-150V-0060** Who handles consumer complaints about conversion vendor units or medical units?
- 296-150V-0070** Do you have reciprocal agreements with other states to inspect conversion vendor units or medical units?
- 296-150V-0080** Do you allow a local enforcement agency to inspect conversion vendor units at the manufacturing location?
- 296-150V-0100** What happens if I disagree with your decision regarding my compliance with this chapter?
- 296-150V-0110** Do you have an advisory board to address conversion vendor unit and medical unit issues?
- 296-150V-0120** Where can I obtain technical assistance regarding conversion vendor units and medical units?
- 296-150V-0140** Do you allow the use of alternate materials, design, or method of construction for conversion vendor units or medical units?
- 296-150V-0200** Who must obtain conversion vendor unit or medical unit insignia?
- 296-150V-0210** What are the insignia requirements?
- 296-150V-0220** How do I obtain insignia information and the required forms?
- 296-150V-0230** What are the insignia application requirements?
- 296-150V-0240** What documentation do you need to perform an alteration inspection?
- 296-150V-0250** How do I replace lost or damaged insignia?
- 296-150V-0300** When is design-plan approval required?
- 296-150V-0310** Who can approve design plans?
- 296-150V-0320** What must I provide with my request for conversion vendor unit or medical unit approval by the department?
- 296-150V-0340** When is an engineering analysis or structural load test for design plans required?
- 296-150V-0350** What must test procedures and results for design plans include?
- 296-150V-0380** What happens if you approve my design plan?
- 296-150V-0390** If my design plan is not approved, how much time do I have to submit a corrected design plan?
- 296-150V-0400** What happens after my design plan is approved?
- 296-150V-0410** When does my design plan expire?
- 296-150V-0415** Who approves addendums to design plans?
- 296-150V-0495** Contractor deposit accounts.

- 296-150V-0500** When is an inspection required?
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- 296-150V-0540** Who inspects a conversion vendor unit or medical unit installation at the built location?
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- 296-150V-0580** Must I obtain an insignia for used conversion vendor units or medical units?
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- 296-150V-0700** Must manufacturers of conversion vendor units and medical units notify you more than one location?
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- 296-150V-0720** Must manufacturers of conversion vendor units and medical units notify you business ownership?
- 296-150V-0800** What codes apply to conversion vendor units or medical units?
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- 296-150V-1360** What are the fuel gas piping design requirements for a conversion vendor unit or medical unit?
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- 296-150V-1400** What are the gas piping hanger and support requirements for a conversion vendor unit or medical unit?
- 296-150V-1410**

- What are the electrical bonding requirements for gas piping in a conversion vendor unit?
- 296-150V-1420** How are gas supply connections in a conversion vendor unit or medical unit made?
- 296-150V-1430** What requirements apply to gas piping system openings?
- 296-150V-1440** Are gas piping shut-off valves required in a conversion vendor unit or medical unit?
- 296-150V-1450** What requirements apply to testing for gas piping leaks before conversion vendor unit appliances are connected?
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- 296-150V-1470** What are the requirements for appliance installations?
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- 296-150V-1580** What requirements apply to water heater relief valves and safety devices?
- 296-150V-1590** What requirements apply to waste holding tanks for conversion vendor units?
- 296-150V-1600** What are the requirements associated with medical and conversion vending machines manufactured and used outside the state according to RCW **43.22.380** ?
- 296-150V-3000** Conversion vendor units and medical units—Fees.

#### DISPOSITION OF SECTIONS FORMERLY CODIFIED IN THIS TITLE

- 296-150V-0205 Can I obtain an exempt vendor/medical insignia? [Statutory Authority: Chapter 2003 c 291. WSR 05-01-102, § 296-150V-0205, filed 12/14/04, effective 2/1/05. WSR 16-13-119, filed 6/21/16, effective 6/21/16. Statutory Authority: Chapter **43.22.340**]
- 296-150V-1220 What code and installation requirements apply to conversion vendor unit or medical unit systems? [Statutory Authority: RCW **43.22.340** , **43.22.350** , **43.22.355** , **43.22.432** , **43.22.433** , **43.22.434** , **43.22.450** , **43.22.480** , and **43.22.485** . WSR 00-18-069, § 296-150V-1220, filed 8/31/99, effective 10/1/99.] Repealed by WSR 03-5-30/03, effective 6/30/03. Statutory Authority: RCW **43.22.340** , **43.22.400** , **43.22.434** , **43.22.480** , and **43.22.485** , 2002 c 268, and chapter **43.22** RCW

### 296-150V-0010

#### Authority, purpose, and scope.

(1) This chapter is authorized by RCW **43.22.340** through **43.22.434** covering the construction, alteration, and approval of conversion vendor units and medical units sold, leased, or used in Washington state.

(2) This chapter applies to the approval of conversion vendor unit and medical unit manufacturers, dealers, and to any person who manufactures or alters the plumbing, mechanical, or electrical system of a conversion vendor unit or medical unit.



[Statutory Authority: Chapter 43.22 RCW. WSR 99-18-069, § 296-150V-0010, filed 8/31/99, effective 10/1/99.]

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## 296-150V-0020

### What definitions apply to this chapter?

**"Alteration"** is the replacement, addition, modification, or removal of any equipment or installation that affects the construction for concentrated floor loads, fire and life safety, or the plumbing, mechanical, and electrical systems of a conversion vendor unit or medical unit.

The following are not considered alterations:

- Repairs with approved parts;
- Modifications of a fuel-burning appliance according to the listing agency's specifications; or
- Adjustment and maintenance of equipment.

**"Approved"** is approved by the department of labor and industries.

**"Consumer"** is a person or organization, excluding a manufacturer or dealer of conversion vendor units or medical units, who buys or leases a conversion vendor unit or medical unit.

**"Conversion vendor unit"** or **"Conversion vending unit"** means a motor vehicle or other structure that has been converted or built for the purpose of being used for commercial sales at temporary locations. The units must be 8 feet 6 inches or less in width (exterior floor measurement) in the set-up position, and the inside working area must be less than 40 feet in length (interior floor measurement). Conversion vendor units:

- Are transported in only one section;
- Are designed for highway use;
- Are temporarily occupied for distribution of items, e.g., food;
- Are built on a permanent chassis; and
- Include at least one of the following systems: Plumbing, mechanical or 120 and/or 240 volt electrical.

**Note:** The conversion vendor unit may NOT include a dining area.

**"Damaged in transit"** means damage that affects the integrity of a concentrated floor load design or any of the systems.

**"Dealer"** is a person, company, or corporation whose business is leasing, selling, offering for lease or sale, buying, or trading conversion vendor units, or medical units.

**"Department"** is the department of labor and industries. The department may be referred to as "we" or "us" in this chapter. Note: You may contact us at: Department of Labor and Industries, Specialty Compliance, P.O. Box 44440, Olympia, WA 98504-4440.

**"Design plan"** is a plan for the construction or alteration of a conversion vendor unit or medical unit or conversion of a vehicle to a conversion vendor unit or medical unit including floor plans, specifications, or test results necessary for a complete evaluation of the design, if applicable.

**"Design option"** is a design that a manufacturer may use as an option to its conversion vendor unit or medical unit design plan.

**"Educational facility"** is a building or portion of a building used primarily for educational purposes by six or more persons at one time for twelve hours per week or four

hours in any one day. Educational occupancy includes: Schools (preschool through grade twelve), colleges, academies, universities, and trade schools.

**"Equipment"** is all material, appliances, devices, fixtures, fittings, or accessories used in the manufacture, assembly, conversion to, or alteration of a conversion vendor unit or medical unit.

**"Factory assembled structure (FAS) advisory board"** is a board authorized to advise the director of the department regarding the issues and adoption of rules relating to conversion vendor units and medical units.

**"Health or personal care facilities"** are buildings or parts of buildings that contain, but are not limited to, facilities that are required to be licensed by the department of social and health services or the department of health (e.g., hospitals, nursing homes, private alcoholism hospitals, private psychiatric hospitals, boarding homes, alcoholism treatment facilities, maternity homes, birth centers or childbirth centers, residential treatment facilities for psychiatrically impaired children and youths, and renal hemodialysis clinics) and medical, dental or chiropractic offices or clinics, outpatient or ambulatory surgical clinics, and such other health care occupancies where patients who may be unable to provide for their own needs and safety without the assistance of another person are treated. (Further defined in WAC [296-46B-010](#).)

**"Insignia"** is a label that we attach to a conversion vendor unit or medical unit to verify that the structure meets the requirements of this chapter and the applicable codes.

**"Install"** is to erect, construct, assemble, or set a conversion vendor unit or medical unit in place.

**"Institutional facility"** is a building or portion of a building used primarily for detention and correctional occupancies where some degree of restraint or security is required for a time period of twenty-four or more hours. Such occupancies include, but are not restricted to: Penal institutions, reformatories, jails, detention centers, correctional centers, and residential-restrained care.

**"Labeled"** is to bear the department's insignia.

**"Listed"** is a piece of equipment or apparatus that has been approved by a testing agency to the appropriate standard.

**"Local enforcement agency"** is an agency of city or county government with power to enforce local regulations governing the installation of a conversion vendor unit or medical unit.

**"Medical unit"** is a type of self-propelled unit used to provide medical examinations, treatments, and medical and dental services or procedures, not including emergency response vehicles, and which:

- Is transportable;
- Is temporarily placed and used;
- Is built on a permanent chassis;
- Includes at least one system;
- Is for temporary use only.

**"One-year design plan"** is a design plan that expires one year after approval or when a new state building code has been adopted.

**"System"** is part of a conversion vendor unit or medical unit designed to serve a particular function. Examples include plumbing, electrical, or mechanical systems.

[Statutory Authority: Chapter **43.22** RCW. WSR 16-13-119, § 296-150V-0020, filed 6/21/16, effective 6/21/16; WSR 05-23-002, § 296-150V-0020, filed 11/3/05, effective 12/4/05. Statutory Authority: RCW **43.22.340**, **43.22.400**, **43.22.432**, **43.22.433**, **43.22.434**, **43.22.480**, and **43.22.485**, 2002 c 268, and chapter **43.22** RCW. WSR 03-12-044, § 296-150V-0020, filed 5/30/03, effective 6/30/03. Statutory Authority: Chapter **43.22** RCW. WSR 99-18-069, § 296-150V-0020, filed 8/31/99, effective 10/1/99.]

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## **296-150V-0030**

### **How is this chapter enforced?**

(1) To enforce this chapter, we or another governmental inspection agency will inspect each conversion vendor unit or medical unit manufactured, sold, leased, or used in Washington state as required by this chapter.

(2) We will inspect all alterations.

(3) We will conduct inspections during normal work hours or at other reasonable times.

[Statutory Authority: Chapter **43.22** RCW. WSR 99-18-069, § 296-150V-0030, filed 8/31/99, effective 10/1/99.]

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## **296-150V-0040**

### **Is manufacturing information kept confidential?**

We will only release manufacturing information such as design plans, specifications, and test results according to the requirements of the Public Records Act (see RCW **42.17.310** (1)(h)) unless we are ordered to do so by a court or otherwise required by law.

[Statutory Authority: Chapter **43.22** RCW. WSR 99-18-069, § 296-150V-0040, filed 8/31/99, effective 10/1/99.]

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## **296-150V-0050**

### **Can you prohibit the sale or lease of a conversion vendor unit or medical unit?**

(1) We may prohibit the sale or lease of your conversion vendor unit or medical unit because it is unlawful for any person to sell, lease, or offer for sale a conversion vendor unit or medical unit within this state if it violates any of the requirements of this chapter.

(2) If an inspection reveals that a conversion vendor unit or medical unit violates this chapter, we may post a notice prohibiting the sale or lease of a conversion vendor unit or medical unit.

[Statutory Authority: Chapter **43.22** RCW. WSR 99-18-069, § 296-150V-0050, filed 8/31/99, effective 10/1/99.]

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**296-150V-0060****Who handles consumer complaints about conversion vendor units or medical units?**

- (1) Consumers may file complaints within one year of the date of manufacture.
- (2) The complaint should be in writing and describe the item(s) that may not comply with this chapter.
- (3) After we receive the complaint, we will send the manufacturer and the dealer a copy of the complaint.
- (4) The manufacturer and/or dealer have thirty days to respond. We will base our actions on the response.

[Statutory Authority: Chapter **43.22** RCW. WSR 99-18-069, § 296-150V-0060, filed 8/31/99, effective 10/1/99.]

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**296-150V-0070****Do you have reciprocal agreements with other states to inspect conversion vendor units and medical units?**

- (1) We will enter into reciprocal agreements with states that have inspection standards equal or greater than our standard.
- (2) When we have a reciprocal agreement with another state:
  - (a) The reciprocal state inspects the conversion vendor units and medical units manufactured in that state before shipment into Washington to ensure compliance with our laws. After inspection, the reciprocal state applies our insignia.
  - (b) The department inspects conversion vendor units and medical units manufactured in Washington before shipment into the reciprocal state to ensure compliance with their laws. After inspection, we apply the insignia of the reciprocal state.
- (3) We have reciprocal agreements on file.

[Statutory Authority: Chapter **43.22** RCW. WSR 99-18-069, § 296-150V-0070, filed 8/31/99, effective 10/1/99.]

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**296-150V-0080****Do you allow a local enforcement agency to inspect conversion vendor units and medical units at the manufacturing location?**

- (1) A local enforcement agency (city or county), under contract with us, can inspect conversion vendor units and medical units. In some cases, another agency's contracts may be limited to specific portions of an inspection at specified manufacturing locations.

(2) After approving a unit, the local enforcement agency will attach the insignia which indicates that the unit has passed inspection.

[Statutory Authority: Chapter **43.22** RCW. WSR 99-18-069, § 296-150V-0080, filed 8/31/99, effective 10/1/99.]

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## **296-150V-0100**

### **What happens if I disagree with your decision regarding my compliance with this chapter?**

(1) If we determine that you are in violation of this chapter, you will receive a notice of noncompliance.

(2) If you disagree with our decision, you can send us a written request for a hearing, stating why you disagree.

(3) After we receive your hearing request, we will:

(a) Schedule a hearing within thirty days after we receive your request;

(b) Notify you of the time, date, and place for the hearing. If you fail to appear, your case will be dismissed;

(c) Hear your case;

(d) Send written notice of our decision to you.

(4) If you disagree with our decision, you may appeal it under the Administrative Procedure Act, chapter **34.05** RCW.

[Statutory Authority: Chapter **43.22** RCW. WSR 99-18-069, § 296-150V-0100, filed 8/31/99, effective 10/1/99.]

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## **296-150V-0110**

### **Do you have an advisory board to address conversion vendor unit and medical unit issues?**

The factory assembled structures (FAS) board advises us on issues relating to plumbing, mechanical, electrical, inspections, and rule adoption for conversion vendor units and medical units. (See RCW **43.22.420**.)

[Statutory Authority: Chapter **43.22** RCW. WSR 99-18-069, § 296-150V-0110, filed 8/31/99, effective 10/1/99.]

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## **296-150V-0120**

### **Where can I obtain technical assistance regarding conversion vendor units or medical units?**

We offer field technical service to conversion vendor unit and medical unit manufacturers for an hourly fee. (See WAC [296-150V-3000](#).) Field technical service may include evaluation, consultation, plan examination, interpretation, and clarification of technical data relating to the application of our rules. It does not include inspections.

[Statutory Authority: Chapter [43.22](#) RCW. WSR 99-18-069, § 296-150V-0120, filed 8/31/99, effective 10/1/99.]

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## **296-150V-0140**

### **Do you allow the use of alternate materials, design, or method of construction?**

An applicant may apply for the use of alternate materials, design, or methods of construction different from the requirements of this chapter by filing a written request with the department.

(1) **Responsibilities of the applicant.** The applicant must submit in writing the following information:

- (a) Name, address, and phone number;
- (b) The specific requirement or requirements from which the alternate material, design, or method of construction is requested;
- (c) Justification that the requirements of this chapter cannot be met without using alternate materials, design, or method of construction;
- (d) How the use of alternate materials, design, or method of construction will achieve the same result as the requirement and any specific alternative measures to be taken to show the alternate provides the same level of protection to life, safety and health as the requirements;

The department has a form that you may use for your request. Please contact us at the address shown in WAC [296-150V-0020](#), Definitions.

(2) **Responsibilities of the department.** The department will provide a written response to the applicant within thirty days of receipt of the written request. The written response will state the acceptance or denial of the request, including the reasons for the department's decision. At a minimum the department will base its decision on:

- (a) The applicant's request as described in subsection (1) of this section;
- (b) Research into the request;
- (c) Expert advice.

(3) **Applicant's response to denials.** The applicant may appeal the department's decision by following the procedure in WAC [296-150V-0100](#).

[Statutory Authority: RCW [43.22.340](#), [43.22.350](#), [43.22.355](#), [43.22.360](#), [43.22.400](#), [43.22.432](#), [43.22.433](#), [43.22.434](#), [43.22.450](#), [43.22.480](#), and [43.22.485](#). WSR 00-17-148, § 296-150V-0140, filed 8/22/00, effective 9/30/00. Statutory Authority: Chapter [43.22](#) RCW. WSR 99-18-069, § 296-150V-0140, filed 8/31/99, effective 10/1/99.]

**296-150V-0200****Who must obtain conversion vendor unit or medical unit insignia?**

(1) You must obtain an insignia from us for each conversion vendor unit or medical unit manufactured, sold, leased, or used in Washington state.

(2) You do not need an insignia for a conversion vendor unit or medical unit if a unit was manufactured prior to July 1, 1968. (See RCW [43.22.370](#).)

(3) You must obtain an insignia when conversion vendor units or medical units are altered in Washington state.

(4) You must obtain an alteration insignia when a conversion vendor unit or medical unit is damaged in transit after leaving the manufacturing location or during an on-site installation and an alteration or repair is necessary. The insignia indicates the conversion vendor unit or medical unit was altered or repaired.

(5) You must have an approved design plan and pass our inspection before we will attach an insignia.

Note: All conversion vendor units and medical units must have insignia if they are altered; this includes the exceptions in subsection (2)(a) and (b) of this section.

[Statutory Authority: Chapter [43.22](#) RCW. WSR 16-13-119, § 296-150V-0200, filed 6/21/16, effective 6/21/16; WSR 99-18-069, § 296-150V-0200, filed 8/31/99, effective 10/1/99.]

**296-150V-0210****What are the insignia requirements?**

(1) If you are applying for insignia, you must have your design plan approved when required by WAC [296-150V-0300](#) and your conversion vendor unit or medical unit inspected and approved by us.

(2) If you are a manufacturer, dealer, or owner applying for an alteration insignia, your alteration must be inspected and approved by us. Approval of the design plan may also be required.

(3) We will attach the insignia to your conversion vendor unit or medical unit after:

(a) We receive from you the required forms and fees listed in WAC [296-150V-3000](#);  
and

(b) Your conversion vendor unit or medical unit has passed final inspection.

[Statutory Authority: Chapter [43.22](#) RCW. WSR 16-13-119, § 296-150V-0210, filed 6/21/16, effective 6/21/16; WSR 99-18-069, § 296-150V-0210, filed 8/31/99, effective 10/1/99.]

**296-150V-0220****How do I obtain insignia information and the required forms?**

Upon request, we will provide you with a packet of information that includes the required forms. Our address is noted in the definition of "department" in WAC [296-150V-0020](#).

[Statutory Authority: Chapter **43.22** RCW. WSR 99-18-069, § 296-150V-0220, filed 8/31/99, effective 10/1/99.]

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## **296-150V-0230**

### **What are the insignia application requirements?**

(1) If you are requesting insignia for conversion vendor units or medical units your completed application must include:

(a) A completed design plan approval request form when required by WAC **296-150V-0300**;

(b) When required by WAC **296-150V-0300**, one complete set of design plans, specifications, engineering analysis and test procedures and results (when applicable), plus one additional set for each manufacturing location where the design plan will be used;

(c) For medical units at least one set of design plans must have an original wet stamp from a professional engineer or architect licensed in Washington state. For conversion vendor units a professional engineer or architect stamp is only required on the structural load test or calculations required by WAC **296-150V-0930**. We will retain the set with the original wet stamp; and

(d) A one-time initial filing fee, the design plan fee when required by WAC **296-150V-0300**, and the fee for each insignia (see WAC **296-150V-3000**).

(2) If you are requesting insignia under an approved design plan, your completed application must include:

(a) A completed insignia application form; and

(b) The fee for each conversion vendor unit or medical unit insignia (see WAC **296-150V-3000**).

[Statutory Authority: Chapter **43.22** RCW. WSR 16-13-119, § 296-150V-0230, filed 6/21/16, effective 6/21/16; WSR 99-18-069, § 296-150V-0230, filed 8/31/99, effective 10/1/99.]

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## **296-150V-0240**

### **What documentation do you need to perform an alteration inspection?**

If you alter a conversion vendor unit or medical unit, we must inspect the alteration.

(1) Before we perform an alteration inspection and attach an alteration insignia, you must send us:

(a) Description of the proposed alteration;

(b) The plan review fee;

(c) The inspection fee; and

(d) The insignia application and fee.

(2) A design plan review is not required if the alteration can be made without altering any of the existing structure and if the alteration does not involve one or more of the systems listed in WAC **296-150V-0300**.

Note: All fees are listed in WAC **296-150V-3000** at the end of this chapter.



[Statutory Authority: Chapter **43.22** RCW. WSR 16-13-119, § 296-150V-0240, filed 6/21/16, effective 6/21/16; WSR 99-18-069, § 296-150V-0240, filed 8/31/99, effective 10/1/99.]

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## 296-150V-0250

### How do I replace lost or damaged insignia?

(1) If an insignia is lost or damaged after it is placed on a conversion vendor unit or medical unit, you may obtain a replacement insignia by contacting us and providing the following:

(a) Your name, address, and telephone number;

(b) The name of the manufacturer or person converting the conversion vendor unit or medical unit;

(c) The serial number;

(d) The manufacturer number (V#) if available;

(e) The insignia number if available;

(f) The required fee from WAC **296-150V-3000**; and

(2) If we can determine that your unit previously had an insignia, we will:

(a) Perform an inspection to ensure that no unauthorized remodeling has occurred;

and

(b) Attach an insignia to your unit once we receive your insignia fee listed in WAC **296-150V-3000**.

Note: If unauthorized remodeling has occurred see WAC **296-150V-0200** .

[Statutory Authority: Chapter **43.22** RCW. WSR 99-18-069, § 296-150V-0250, filed 8/31/99, effective 10/1/99.]

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## 296-150V-0300

### When is design-plan approval required?

Design plans for conversion vendor units and medical units are required for units that are sold, leased, or used in Washington state and must be approved when:

(1) Conversion vendor units that contain one or more of the following components:

(a) Concentrated loads exceeding five hundred pounds (see WAC **296-150V-0930**);

(b) Fuel gas piping systems and equipment;

(c) Solid fuel burning equipment;

(d) Fire suppression systems;

(e) Commercial hoods;

(f) Electrical systems and equipment in excess of 30 amps/120 volts;

(g) Electrical systems with more than five circuits;

(h) Electrical systems incorporating photovoltaic energy, fuel cell energy, or other alternative energy systems;

(i) Plumbing drainage systems conveying solid or bodily waste.

(2) Medical units.

(3) Modification of an approved design plan through addendums;

- (4) Addition of options to an approved design plan through addendums.

[Statutory Authority: Chapter **43.22** RCW. WSR 16-13-119, § 296-150V-0300, filed 6/21/16, effective 6/21/16; WSR 99-18-069, § 296-150V-0300, filed 8/31/99, effective 10/1/99.]

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## **296-150V-0310**

### **Who can approve design plans?**

Your design plan must be approved by the department.

[Statutory Authority: Chapter **43.22** RCW. WSR 99-18-069, § 296-150V-0310, filed 8/31/99, effective 10/1/99.]

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## **296-150V-0320**

### **What must I provide with my request for conversion vendor unit or medical unit design-plan approval by the department?**

- (1) All requests for design-plan approval must include:
  - (a) A completed design-plan approval request form;
  - (b) Two sets of design plans, specifications and test results and procedures necessary for a complete evaluation of the design;
  - (c) Receipt of the design-plan fee listed in WAC **296-150V-3000**;
  - (d) Receipt of the initial design-plan filing fee and the initial design-plan fee.
- (2) If a structural analysis or test is required for a concentrated floor load, at least one set of design plans must have an original wet stamp from a professional engineer or architect licensed in Washington state. All new, renewed, and resubmitted plans, specifications, reports and structural calculations prepared by or prepared under the engineer or architect's direct supervision shall be signed, dated and stamped with his or her seal. Specifications, reports, and structural calculations may be stamped only on the first sheet, provided this first sheet identifies all of the sheets that follow are included and identified in the same manner. Plans that have not been prepared by or under the engineer's or architect's supervision shall be reviewed and he or she must prepare a report concerning the plans. This report must:
  - (a) Identify which drawings have been reviewed by drawing number and date;
  - (b) Include a statement that the plans are in compliance with current Washington state regulations; and
  - (c) Be stamped and signed by the reviewer.
- (3) Any deficiencies shall be corrected on the drawings before submitting to the department or be included in the report and identify as to how they are to be corrected. This report shall be attached to the plan(s) that were reviewed. We will retain the set with the original wet stamp.
- (4) Electrical plan review for educational, institutional or health care facilities and other buildings. Plan review is a part of the electrical inspection process; its primary purpose is to determine:

(a) That loads and service/feeder conductors are calculated and sized according to the proper NCE or WAC article or section;

(b) The classification of hazardous locations; and

(c) The proper design of emergency and standby systems.

(5) All electrical plans for new or altered electrical installations in educational, institutional, and health or personal care occupancies classified or defined in this chapter must be reviewed and approved before the electrical installation or alteration is started. Approved plans must be available for use during the electrical installation or alteration and for use by the electrical inspector.

(6) All electrical plans for educational facilities, hospitals and nursing homes must be prepared by, or under the direction of, a consulting engineer registered under chapter **18.43** RCW in compliance with chapters **246-320**, 180-29, and **388-97** WAC as applicable, and stamped with the engineer's mark and signature.

(7) Plans to be reviewed by the department must be legible, identify the name and classification of the facility, clearly indicate the scope and nature of the installation and the person or firm responsible for the electrical plans. The plans must clearly show the electrical installation or alteration in floor plan view, include switchboard and/or panel board schedules and when a service or feeder is to be installed or altered, must include a riser diagram, load calculation, fault current calculation and interrupting rating of equipment. Where existing electrical systems are to supply additional loads, the plans must include documentation that proves adequate capacity and ratings. The plans must be submitted with a plan review submittal form available from the department.

[Statutory Authority: Chapter **43.22** RCW. WSR 05-23-002, § 296-150V-0320, filed 11/3/05, effective 12/4/05; WSR 99-18-069, § 296-150V-0320, filed 8/31/99, effective 10/1/99.]

## **296-150V-0340**

### **When is an engineering analysis or structural load test for design plans required?**

An engineering analysis or structural load test may be required when there are concentrated loads of 500 pounds or more in a 16 square feet or less area.

[Statutory Authority: Chapter **43.22** RCW. WSR 99-18-069, § 296-150V-0340, filed 8/31/99, effective 10/1/99.]

## **296-150V-0350**

### **What must test procedures and results for design plans include?**

(1) Test to a design must be witnessed by a professional engineer or architect licensed in Washington or by a department employee.

(2) Test reports must contain the following items:

(a) A description of the methods or standards that applied to the test;

(b) Drawings and a description of the item tested;

- (c) A description of the test set-up;
- (d) The procedure used to verify the correct load;
- (e) The procedure used to measure each condition;
- (f) Test data, including applicable graphs and observations of the characteristics and behavior of the item tested; and
- (g) Analysis, comments, and conclusion.

[Statutory Authority: Chapter **43.22** RCW. WSR 99-18-069, § 296-150V-0350, filed 8/31/99, effective 10/1/99.]

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## **296-150V-0380**

### **What happens if you approve my design plan?**

- (1) Your design plan will be approved if it meets the requirements of this chapter.
- (2) We will send you an approved copy of the design plan with the design-plan approval number.
- (3) You must keep copies of the approved design plan available for inspection at each location where the conversion vendor unit or medical unit is built.
- (4) If your design plan is not approved, you will be notified in writing of plan deficiencies. You may send a corrected design plan to us along with the resubmittal fee listed in WAC **296-150V-3000**.

[Statutory Authority: Chapter **43.22** RCW. WSR 99-18-069, § 296-150V-0380, filed 8/31/99, effective 10/1/99.]

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## **296-150V-0390**

### **If my design plan is not approved, how much time do I have to submit a corrected design plan?**

- (1) You have ninety days to correct and resubmit your original design plan and send us the resubmittal fee after we notify you of plan deficiencies. After ninety days, your initial design plan is returned to you.
- (2) If you submit your corrected design plan after ninety days, the initial design-plan fee is required instead of the resubmittal fee. (See WAC **296-150V-3000**.)

[Statutory Authority: Chapter **43.22** RCW. WSR 99-18-069, § 296-150V-0390, filed 8/31/99, effective 10/1/99.]

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## **296-150V-0400**

### **What happens after my design plan is approved?**

Once your design plan is approved, we will inspect each conversion vendor unit and medical unit.

[Statutory Authority: Chapter **43.22** RCW. WSR 99-18-069, § 296-150V-0400, filed 8/31/99, effective 10/1/99.]

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## **296-150V-0410**

### **When does my design plan expire?**

(1) Your conversion vendor unit or medical unit one-year design plan expires either one year after approval or when there is an electrical code change. You must submit new design plans for approval when there is a state building code cycle change. You may use your design plans to order insignia as long as they comply with the applicable codes.

(2) All National Electrical Code (NEC) amendments may be incorporated by an addendum to your design plan.

[Statutory Authority: Chapter **43.22** RCW. WSR 99-18-069, § 296-150V-0410, filed 8/31/99, effective 10/1/99.]

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## **296-150V-0415**

### **Who approves addendums to design plans?**

Any addendums to a design plan must be approved by the department.

[Statutory Authority: Chapter **43.22** RCW. WSR 99-18-069, § 296-150V-0415, filed 8/31/99, effective 10/1/99.]

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## **296-150V-0495**

### **Contractor deposit accounts.**

Manufacturers are required to open and maintain, for the purpose of inspection payments, a deposit account. Funds, for the purpose of inspections performed by the department, must be withdrawn from the account and all inspections paid in full prior to an insignia being placed on the manufactured unit.

[Statutory Authority: Chapter **43.22** RCW. WSR 12-15-061, § 296-150V-0495, filed 7/17/12, effective 9/1/12.]

## 296-150V-0500

### When is an inspection required?

(1) Before we issue an insignia, each unit manufactured or converted must be inspected as many times as required to show compliance with this chapter.

(2) Before we issue an insignia, a conversion vendor unit or medical unit must be inspected at the manufacturing location as many times as required. Inspections may include, but are not limited to:

(a) A "cover" inspection during construction of the unit before the electrical, plumbing, mechanical, and structural systems (if required) are covered;

(b) Insulation and vapor barrier inspection, if required; and

(c) A final inspection after the conversion vendor unit or medical unit is complete.

(3) If we discover a violation during inspection, we will issue a notice of noncompliance. You can correct the violation during the inspection. If you cannot correct the violation during inspection, you must leave the item uncovered until we approve your correction.

(4) If a conversion vendor unit or medical unit is damaged in transit to the building site or during on-site installation, it must be inspected. This is considered an alteration inspection. (See WAC [296-150V-0240](#).)

(5) Approved plans must be available.

(6) Once your unit is inspected and approved we will attach the insignia. Before we issue an insignia, each conversion vendor unit or medical unit is inspected as follows:

(a) Inspection(s) during conversion or alteration of a conversion vendor unit or medical unit; and

(b) A final inspection after the conversion vendor unit or medical unit is complete.

Note: Each conversion vendor unit or medical unit must have a serial number so we can track inspections.

[Statutory Authority: Chapter [43.22](#) RCW. WSR 99-18-069, § 296-150V-0500, filed 8/31/99, effective 10/1/99.]

## 296-150V-0510

### How do I request an inspection?

You must contact us and we will let you know where your request for inspection should be submitted. Our address is noted in the definition of department in WAC [296-150V-0020](#).

(1) We must receive in-state inspection requests at least seven calendar days prior to the date that you want the inspection.

(2) We must receive out-of-state inspection requests at least fourteen calendar days prior to the date that you want the inspection.

[Statutory Authority: Chapter [43.22](#) RCW. WSR 99-18-069, § 296-150V-0510, filed 8/31/99, effective 10/1/99.]

## **296-150V-0520**

### **What happens if my conversion vendor unit or medical unit passes inspection?**

If your conversion vendor unit or medical unit passes inspection and you have met the other requirements of this chapter, we will attach the insignia.

[Statutory Authority: Chapter **43.22** RCW. WSR 99-18-069, § 296-150V-0520, filed 8/31/99, effective 10/1/99.]

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## **296-150V-0530**

### **Am I charged if I request an inspection but I am not prepared?**

(1) If you ask us to inspect a conversion vendor unit or medical unit within Washington state but you are not prepared when we arrive, you must pay the inspection fee and travel (see WAC **296-150V-3000**).

(2) If the inspection is outside of Washington state and you are not prepared, you must pay the inspection fee, travel, and per diem expenses (see WAC **296-150V-3000**).

[Statutory Authority: RCW **43.22.340**, **43.22.350**, **43.22.355**, **43.22.360**, **43.22.400**, **43.22.432**, **43.22.433**, **43.22.434**, **43.22.450**, **43.22.480**, and **43.22.485**. WSR 00-17-148, § 296-150V-0530, filed 8/22/00, effective 9/30/00. Statutory Authority: Chapter **43.22** RCW. WSR 99-18-069, § 296-150V-0530, filed 8/31/99, effective 10/1/99.]

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## **296-150V-0540**

### **Who inspects a conversion vendor unit or medical unit installation at the building site or event location?**

The local enforcement agency (city or county) must approve the installation. Alterations to conversion vendor units or medical units must be inspected and approved by us.

Note: The local enforcement agency may not open the concealed construction of a conversion vendor unit or medical unit to inspect it if our insignia is attached.

[Statutory Authority: Chapter **43.22** RCW. WSR 99-18-069, § 296-150V-0540, filed 8/31/99, effective 10/1/99.]

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## **296-150V-0550**

### **Do you allow a conversion vendor unit or medical unit to be completed at the installation site?**

No. Conversion vendor units or medical units must be completed at the manufacturing location before an insignia is attached.

[Statutory Authority: Chapter **43.22** RCW. WSR 99-18-069, § 296-150V-0550, filed 8/31/99, effective 10/1/99.]

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### **296-150V-0560**

#### **What happens if I receive a notice of noncompliance after inspection of the alteration to my conversion vendor unit or medical unit?**

(1) If your conversion vendor unit or medical unit alteration does not pass our inspection, you will receive a notice of noncompliance. The notice of noncompliance explains what items must be corrected.

(2) You have twenty days after receiving the notice of noncompliance to send us a written response to explain how you will correct the violations.

(3) You are not allowed to sell, lease, offer for sale or use the altered conversion vendor unit or medical unit until you correct the violations. We must inspect and approve the corrections, and you must pay any required inspection and insignia fees listed in WAC **296-150V-3000**.

[Statutory Authority: Chapter **43.22** RCW. WSR 99-18-069, § 296-150V-0560, filed 8/31/99, effective 10/1/99.]

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### **296-150V-0580**

#### **Must I obtain an insignia for used conversion vendor units or medical units?**

All used conversion vendor units or medical units that are to be installed on a building site or used in Washington state must have an insignia of approval from us.

[Statutory Authority: Chapter **43.22** RCW. WSR 16-13-119, § 296-150V-0580, filed 6/21/16, effective 6/21/16; WSR 99-18-069, § 296-150V-0580, filed 8/31/99, effective 10/1/99.]

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### **296-150V-0590**

#### **How do I obtain insignia for used conversion vendor units or medical units?**

We consider used conversion vendor units and medical units as new units for purposes of insignia approval. To obtain insignia, you must:

- (1) Have the design plan approved (see WAC **296-150V-0300** and **296-150V-0320**);
- (2) Purchase insignia (see WAC **296-150V-0200** through **296-150V-0230**); and
- (3) Pass a unit inspection (see WAC **296-150V-0500** through **296-150V-0560**).

Note: You will be required to open up as much of the construction of the unit as is necessary for inspection to show compliance with your approved design plan.



[Statutory Authority: Chapter **43.22** RCW. WSR 99-18-069, § 296-150V-0590, filed 8/31/99, effective 10/1/99.]

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### **296-150V-0700**

#### **Must manufacturers of conversion vendor units and medical units notify you if they manufacture at more than one location?**

(1) If you are manufacturing conversion vendor units and medical units at more than one location, approved design plans must be available at each manufacturing location.

(2) You must send us the following information for each manufacturing location:

(a) Company name;

(b) Mailing and physical address; and

(c) Phone and fax number, if available.

(3) You must update this information as it changes.

[Statutory Authority: Chapter **43.22** RCW. WSR 99-18-069, § 296-150V-0700, filed 8/31/99, effective 10/1/99.]

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### **296-150V-0710**

#### **Must manufacturers of conversion vendor units and medical units notify you of a change in business name or address?**

If you are moving you must notify us in writing prior to a change of business name or address and include the change of name and address.

[Statutory Authority: Chapter **43.22** RCW. WSR 99-18-069, § 296-150V-0710, filed 8/31/99, effective 10/1/99.]

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### **296-150V-0720**

#### **Must manufacturers of conversion vendor units and medical units notify you of a change in business ownership?**

(1) When a manufacturer changes ownership, the new owner must notify us in writing immediately.

(2) A new owner may continue to manufacture the units according to a prior approved design plan if the prior owner provides written releases of the design plan.

[Statutory Authority: Chapter **43.22** RCW. WSR 99-18-069, § 296-150V-0720, filed 8/31/99, effective 10/1/99.]

**296-150V-0800****What codes apply to conversion vendor units or medical units?**

(1) A conversion vendor unit or medical unit must comply with the following codes where applicable:

(a) The current edition of the International Mechanical Code, with the amendments made by the Washington State Building Code Council, chapter **51-52** WAC.

(b)(i) For conversion vending/medical units Article 551, Parts I through VI of National Electrical Code/National Fire Protection Agency (NFPA) 70, current edition or Article 552, Parts I through V Article of National Electrical Code/National Fire Protection Agency (NFPA) 70, current edition.

(ii) For medical units the National Electrical Code (NFPA 70, current edition) as referenced in Article 517 for Patient Care Areas and chapter **296-46B** WAC.

(c) Chapter 7 of the National Fire Protection Association (NFPA 1192), current edition or the Uniform Plumbing Code as adopted and amended according to chapter **19.27** RCW.

(d) The Washington State Building Code Council, chapter **51-50** WAC, International Building Code, Chapter 11, Accessibility as applies to the exterior of the unit relating to customer service facilities in section 1105.4.7.

(2) Provide minimum health and safety to the occupants of conversion vendor units and medical units and the public, and demonstrate journeyman quality of work of the various trades.

(3) Requirements for any size, weight, or quality of material modified by the terms "minimum," "not less than," "at least," and similar expressions are minimum standards. The conversion vendor unit or medical unit may exceed these rules provided the deviation does not result in inferior installation or defeat the purpose and intent of this chapter.

Exception: Sign circuits required by Article 600 of the National Electrical Code will not be required.

[Statutory Authority: Chapter **43.22** RCW. WSR 12-15-061, § 296-150V-0800, filed 7/17/12, effective 9/1/12. Statutory Authority: RCW **43.22.340**, **43.22.400**, **43.22.432**, **43.22.433**, **43.22.434**, **43.22.480**, and **43.22.485**, 2002 c 268, and chapter **43.22** RCW. WSR 03-12-044, § 296-150V-0800, filed 5/30/03, effective 6/30/03. Statutory Authority: RCW **43.22.350**, **43.22.434**, **43.22.480**, **43.22.500**, **18.27.040**, **18.27.070**, **18.27.075**, **70.87.030**, **19.28.041**, **19.28.051**, **19.28.101**, **19.28.121**, **19.28.161**, **19.28.201**, **19.28.211**, **19.28.341**, 2001 c 7, 2002 c 249, and chapters **19.28**, **43.22**, **18.27**, and **70.87** RCW. WSR 02-12-022, § 296-150V-0800, filed 5/28/02, effective 6/28/02. Statutory Authority: Chapter **43.22** RCW. WSR 99-18-069, § 296-150V-0800, filed 8/31/99, effective 10/1/99.]

**296-150V-0930****When are structural load tests or structural calculations required?**

(1) A structural analysis is required when a unit has a concentrated floor load of 500 pounds or more in a 16 square feet or less area.

(2) The structural load test can be used as an alternative.

(a) A structural assembly tested for qualification must sustain the design dead load plus the superimposed design live loads for vendor units and medical units assembly.

(b) An assembly failure is defined as a rupture, fracture, or residual deflection which is greater than the limits.

Note: We will provide test procedure forms upon request.

[Statutory Authority: Chapter 43.22 RCW. WSR 99-18-069, § 296-150V-0930, filed 8/31/99, effective 10/1/99.]

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## 296-150V-0950

### What requirements apply to roof coverings?

(1) The roof covering must be securely fastened in an approved manner to the supporting roof construction and must provide weather protection for the vendor unit and the occupants.

(2) Exterior covering materials, including metal coverings, must be moisture and weather resistant and contain corrosion resistant fasteners to prevent wind and rain deterioration.

Note: Electro-plated, electro-deposited zinc, and electro-galvanized staples are not considered corrosion-resistant materials.

(3) All exterior openings or penetrations into the conversion vendor unit or medical unit around piping, ducts, plenums, or vents must be sealed with moisture-resistant material.

[Statutory Authority: Chapter 43.22 RCW. WSR 99-18-069, § 296-150V-0950, filed 8/31/99, effective 10/1/99.]

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## 296-150V-1040

### Are there floor requirements?

Wood floors must be made moisture resistant by an overlay of nonabsorbent material applied with water-resistant adhesive.

[Statutory Authority: Chapter 43.22 RCW. WSR 99-18-069, § 296-150V-1040, filed 8/31/99, effective 10/1/99.]

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## 296-150V-1070

### What requirements apply to floor closure material?

(1) Floor closure material around piping, ducts, plenums, or vents must prevent damage to the underside of the vendor unit due to air, water, insects, dust, and be rodent resistant.

(2) The floor closure material must meet ASTM D-781 standard or equal and be installed as follows:

(a) Fibrous material (with or without patches) must meet or exceed the level of 48 inch-pounds of puncture resistance as tested.

(b) Patching material must be installed according to installation instructions furnished by the supplier of the material.

(c) The material must be suitable for patches and the patch life must be equivalent to the material life.

Note: ASTM D-781 is a puncture test for bottom board materials.

[Statutory Authority: Chapter **43.22** RCW. WSR 99-18-069, § 296-150V-1070, filed 8/31/99, effective 10/1/99.]

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## **296-150V-1090**

### **What are the standards for equipment and installations?**

The manufacturer's equipment and installation specifications must be followed. Other approved standards are acceptable when:

- Installed according to the manufacturer's installation instructions; and
- Approved by a listing or testing agency.

Note: Gas furnaces, gas water heaters, and gas refrigerators must be sealed combustion or completely separated from the interior of the conversion vendor unit or medical unit.

[Statutory Authority: RCW **43.22.340**, **43.22.400**, **43.22.432**, **43.22.433**, **43.22.434**, **43.22.480**, and **43.22.485**, 2002 c 268, and chapter **43.22** RCW. WSR 03-12-044, § 296-150V-1090, filed 5/30/03, effective 6/30/03. Statutory Authority: Chapter **43.22** RCW. WSR 99-18-069, § 296-150V-1090, filed 8/31/99, effective 10/1/99.]

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## **296-150V-1100**

### **What are the flame-spread limitations?**

The flame-spread requirements are that all walls and ceilings must be of 200 flame-spread or less.

[Statutory Authority: Chapter **43.22** RCW. WSR 99-18-069, § 296-150V-1100, filed 8/31/99, effective 10/1/99.]

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## **296-150V-1110**

### **Combustible limitations.**

(1) The exposed wall adjacent to the cooking range must be 50 flame-spread or less, such as 5/16 inch gypsum board or material having equivalent fire protective properties.

(2) All openings for pipes and vents in furnace and water heater spaces shall be tight-fitted or fire-stopped.

[Statutory Authority: Chapter **43.22** RCW. WSR 99-18-069, § 296-150V-1110, filed 8/31/99, effective 10/1/99.]

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## 296-150V-1120

### What are the standards for wall and cabinet protection?

The bottom and sides of combustible cabinets over cooking appliances or tops including a space of 6 inches from the edge of the burners must be protected with at least 5/16 inch sheetrock with a 25 flame-spread. This material must be behind deep-fat fryers, grills, ranges, and other cooking appliances. It must extend 6 inches beyond the edge of the appliance and range hood.

(1) Range hoods for commercial equipment must meet the requirements of the mechanical code such as fire suppression, etc.

(2) Range hoods for noncommercial equipment may be of a residential type.

(3) The hood must be centered over and at least as wide as the top of the cooking appliance.

[Statutory Authority: Chapter 43.22 RCW. WSR 99-18-069, § 296-150V-1120, filed 8/31/99, effective 10/1/99.]

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## 296-150V-1170

### What are the light and ventilation requirements?

Each bathroom must be provided with artificial light and with a window having at least 1/2 square feet of glazed area that can be fully opened, except where a mechanical ventilation system is installed. Any mechanical ventilation system must exhaust directly to the outside of the conversion vendor unit or medical unit.

[Statutory Authority: Chapter 43.22 RCW. WSR 99-18-069, § 296-150V-1170, filed 8/31/99, effective 10/1/99.]

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## 296-150V-1180

### What requirements apply to conversion vendor unit exits?

At least one conversion vending unit exit or medical unit exit must meet the following requirements:

(1) Exterior doors must be constructed for exterior use.

(2) The exterior door must be at least a twenty-eight inch wide clear opening by seventy-two inches high.

(3) Locks must be operable from the interior of the unit without use of a key.

(4) Exit doors may either be hinged or sliding. Roll-up doors may not be used to meet the requirements of this section.

(5) Existing units with doors less than twenty-eight inches in width must have a second means of exit. The second means of exit for converted units shall be twenty-four inches by

seventeen inches, and for newly built units exits must be a minimum of five square feet of openable area.

(6) Pass-through windows shall be safety glazed based on the IBC Section 2406.1.

Exception: When there are employees, a minimum of twenty-eight inches clear opening must be provided.

[Statutory Authority: Chapter **43.22** RCW. WSR 12-15-061, § 296-150V-1180, filed 7/17/12, effective 9/1/12. Statutory Authority: Chapter **43.22** RCW and 2003 c 291. WSR 05-01-102, § 296-150V-1180, filed 12/14/04, effective 2/1/05. Statutory Authority: RCW **43.22.340**, **43.22.350**, **43.22.355**, **43.22.360**, **43.22.400**, **43.22.432**, **43.22.433**, **43.22.434**, **43.22.450**, **43.22.480**, and **43.22.485**. WSR 00-17-148, § 296-150V-1180, filed 8/22/00, effective 9/30/00. Statutory Authority: Chapter **43.22** RCW. WSR 99-18-069, § 296-150V-1180, filed 8/31/99, effective 10/1/99.]

## **296-150V-1185**

### **What exit door requirements apply to self-propelled medical unit exits?**

Exit door(s) on self-propelled medical units must meet the following requirements:

- (1) Exterior doors must be constructed for exterior use.
- (2) The exterior door must be at least a twenty-eight inches wide clear opening by seventy-two inches high.
- (3) Locks must be operable from the interior of the unit without use of a key.
- (4) Exit doors may either be hinged or sliding. Roll-up doors may not be used to meet the requirements of this section.
- (5) Exit doors where the threshold of the door is more than fourteen inches above the adjacent grade or road surface must have landings, stairs, handrail, and guardrails meeting the requirements of IBC chapter 10 as referenced in chapter **51-50** WAC.

[Statutory Authority: Chapter **43.22** RCW. WSR 12-15-061, § 296-150V-1185, filed 7/17/12, effective 9/1/12; WSR 99-18-069, § 296-150V-1185, filed 8/31/99, effective 10/1/99.]

## **296-150V-1190**

### **Interior privacy locks.**

If a conversion vendor unit or medical unit has an interior door, such as a bathroom door, which has a privacy lock, the lock must contain an emergency release. The emergency release must be on the outside to permit entry when the door is locked from the inside.

[Statutory Authority: Chapter **43.22** RCW. WSR 99-18-069, § 296-150V-1190, filed 8/31/99, effective 10/1/99.]

### **296-150V-1303**

#### **How must storage batteries be installed in a conversion vendor unit or medical unit?**

Storage batteries subject to the provisions of this standard must be securely attached to the conversion vendor unit or medical unit. They must be installed in an area which is vapor-tight to the interior and ventilated directly to the exterior of the unit. When batteries are installed in a compartment, the compartment must be ventilated with openings of not less than two square inches at the top and two square inches at the bottom. Batteries must not be installed in a compartment containing spark or flame producing equipment, except in an engine generator compartment if the only charging source is the generator itself.

[Statutory Authority: Chapter **43.22** RCW. WSR 99-18-069, § 296-150V-1303, filed 8/31/99, effective 10/1/99.]

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### **296-150V-1330**

#### **What are the mechanical requirements for a conversion vendor unit or medical unit?**

When mechanical and ventilation equipment is installed in or on a conversion vendor unit or medical unit, it must be installed according to the requirements of the International Mechanical Code, and to the conditions of the equipment approval or listing.

[Statutory Authority: Chapter **43.22** RCW. WSR 12-15-061, § 296-150V-1330, filed 7/17/12, effective 9/1/12; WSR 99-18-069, § 296-150V-1330, filed 8/31/99, effective 10/1/99.]

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### **296-150V-1350**

#### **What are the LPG system enclosure and mounting requirements for a conversion vendor unit or medical unit?**

(1) LPG containers must not be installed, nor stored temporarily, inside any unit. Exception: This prohibition does not apply to completely self-contained hand torches, lanterns, or similar equipment with containers having a maximum water capacity of two and one-half pounds (approximately one pound LPG capacity).

(2) Containers, control valves and regulating equipment, when installed, must meet one of the following requirements:

- (a) Be mounted on the "A" frame and not lower than the bottom of the trailer frame; or
- (b) Installed in a compartment that is vapor-tight to the inside of the conversion vendor unit or medical unit and accessible only from the outside; or
- (c) Be mounted on the chassis or to the floor and neither the container nor its supports may be lower than the top of the axle height.

(3) The compartment must be ventilated at top and bottom to diffuse vapors. The compartment must be ventilated with two vents having an aggregate area of not less than two

percent of the floor area of the compartment and must open without restriction to the outside. The required vents must be equally distributed between the floor and ceiling of the compartment. If the lower vent is located in the access door or wall, the bottom edge of the vent must be flush with the floor level of the compartment. The top vent must be located in the access door or wall with the bottom of the vent not more than twelve inches below the ceiling level of the compartment. All vents must have an unrestricted discharge to the outside atmosphere. Access doors or panels of compartments must not be equipped with locks or require special tools or knowledge to open.

(4) Doors, hoods, domes, or portions of housings and enclosures required to be removed or opened for container replacement must incorporate means for clamping them firmly in place and preventing them from working loose during transit. Provisions must be incorporated in the assembly to hold the containers firmly in position and prevent their movement during transit.

(5) LPG containers must be mounted on a substantial support or a base secured firmly to the conversion vendor unit or medical unit chassis. Neither the container nor its support can extend below the conversion vendor unit or medical unit frame.

[Statutory Authority: Chapter **43.22** RCW. WSR 99-18-069, § 296-150V-1350, filed 8/31/99, effective 10/1/99.]

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## **296-150V-1360**

### **What are the fuel gas piping design requirements for a conversion vendor unit or medical unit?**

Conversion vendor units or medical units requiring fuel gas for any purpose must be equipped with a gas piping system that is designed for LPG only or combination LPG and natural gas.

[Statutory Authority: Chapter **43.22** RCW. WSR 99-18-069, § 296-150V-1360, filed 8/31/99, effective 10/1/99.]

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## **296-150V-1380**

### **Can gas tubing be concealed in a conversion vendor unit or medical unit?**

(1) Tubing must not be run inside walls, floors, partitions, or roofs.

(2) If tubing passes through walls, floors, partitions, roofs, or similar installations, the tubing must be protected by the use of weather resistant grommets that snugly fit both the tubing and the hole through which the tubing passes.

[Statutory Authority: Chapter **43.22** RCW. WSR 99-18-069, § 296-150V-1380, filed 8/31/99, effective 10/1/99.]



**296-150V-1390****What are the pipe-joint compound requirements for gas piping in a conversion vendor unit or medical unit?**

(1) Screw joints must be made tight with pipe-joint compound that is insoluble in liquefied petroleum gas.

(2) Pipe-joint compound must be approved for the type of gas used. The pipe-joint compound must be applied to the male threads only.

[Statutory Authority: Chapter **43.22** RCW. WSR 99-18-069, § 296-150V-1390, filed 8/31/99, effective 10/1/99.]

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**296-150V-1400****What are the gas piping hanger and support requirements for a conversion vendor unit or medical unit?**

(1) All gas piping must be adequately supported by galvanized or equivalently protected metal straps or hangers at intervals of not more than 4 feet, except where adequate support and protection is provided by structural members.

(2) Gas pipe supply connections must be rigidly anchored to a structural member within 6 inches of the supply connections.

[Statutory Authority: Chapter **43.22** RCW. WSR 99-18-069, § 296-150V-1400, filed 8/31/99, effective 10/1/99.]

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**296-150V-1410****What are the electrical bonding requirements for gas piping in a conversion vendor unit or medical unit?**

(1) Gas piping must not be used for an electrical ground.

(2) The gas line must be bonded.

[Statutory Authority: Chapter **43.22** RCW. WSR 99-18-069, § 296-150V-1410, filed 8/31/99, effective 10/1/99.]

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**296-150V-1420****How are gas supply connections in a conversion vendor unit or medical unit identified?**

A label must be permanently attached on the outside of the exterior wall of the conversion vendor unit or medical unit adjacent to the gas supply connection which provides the following information:

- (1) The type of system (i.e., liquid petroleum system or natural gas system or combination liquid petroleum and natural gas system);
- (2) The appropriate Btuh input rating; and
- (3) If excess ("or more") Btuh input is allowed.
- (4) An example of a label would be: Natural Gas System, 250,000 Btuh or more.

[Statutory Authority: Chapter **43.22** RCW. WSR 99-18-069, § 296-150V-1420, filed 8/31/99, effective 10/1/99.]

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### **296-150V-1430**

#### **What requirements apply to gas piping system openings?**

All openings in the gas piping system must be closed gas-tight with threaded pipe plugs or pipe caps.

[Statutory Authority: Chapter **43.22** RCW. WSR 99-18-069, § 296-150V-1430, filed 8/31/99, effective 10/1/99.]

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### **296-150V-1440**

#### **Are gas piping shut-off valves required in a conversion vendor unit or medical unit?**

(1) In addition to any valve on the appliance, a shut-off valve must be installed in the fuel piping outside of each gas appliance but inside the conversion vendor unit or medical unit structure and upstream of the union or connector. The shut-off valve must be located within six feet of a cooking appliance and within three feet of any other appliance. A shut-off valve may serve more than one appliance if located as required above.

(2) Shut-off valves used in connection with gas piping must be of a type designed for use with liquefied petroleum gas. Shut-off valves must be tested and approved to ANSI Z21.15 standard or equal.

[Statutory Authority: Chapter **43.22** RCW. WSR 99-18-069, § 296-150V-1440, filed 8/31/99, effective 10/1/99.]

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### **296-150V-1450**

#### **What requirements apply to testing for gas piping leaks before conversion vendor unit or medical unit appliances are connected?**

(1) The piping system must stand a pressure of at least 10 psi gauge for a period of not less than fifteen minutes without showing any drop in pressure.

(2) Pressure must be measured with a gauge calibrated to be read in increments of not greater than 1/10 pound.

(3) The source of pressure must be isolated before the pressure tests are made. Before a test is begun, the temperature of the ambient air and of the piping must be approximately the same, and constant air temperature must be maintained throughout the test.

[Statutory Authority: Chapter 43.22 RCW. WSR 99-18-069, § 296-150V-1450, filed 8/31/99, effective 10/1/99.]

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## **296-150V-1460**

### **What requirements apply to testing for gas piping leaks after conversion vendor unit or medical unit appliances are connected?**

(1) After gas appliances have been connected, the gas-piping system must be subjected to a pressure test with the burner valves closed. The test consists of air at not less than ten inches nor more than fourteen inches pressure of water column (six to eight ounces). The system must hold this pressure for a period of not less than ten minutes with no leakage. Before beginning the test, the temperature of the gas-piping system and the test air must be equalized, and this shall be maintained throughout the test.

(2) Appliance shut-off valves ahead of gas cooking appliances may be closed for the performance of this test. When the test is satisfactorily performed, these valves must be opened and, while the system is under pressure, the appliance connectors must be tested with an approved leak detector or approved bubble solution.

[Statutory Authority: Chapter 43.22 RCW. WSR 99-18-069, § 296-150V-1460, filed 8/31/99, effective 10/1/99.]

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## **296-150V-1470**

### **What are the requirements for appliance installations?**

(1) The installation of each appliance must conform to the manufacturer's installation instructions. The manufacturer's instructions must be attached to the appliance.

(2) Combustion air inlets and flue gas outlets must be listed as components of the appliance and must be completely separated. The required separation may be obtained by:

(a) The installation of direct vent system (sealed combustion system) appliances; or  
(b) The installation of appliances within enclosures so that the appliance combustion system and venting system are separate from the interior atmosphere of the conversion vendor unit or medical unit. There must not be any door, removable access panel, or other opening into the enclosure from the inside of the conversion vendor unit or medical unit. Any openings for ducts, piping, wiring, etc., must be sealed.

(3) Ranges, cooktops, and ovens must not burn outside combustion air.

[Statutory Authority: Chapter **43.22** RCW. WSR 99-18-069, § 296-150V-1470, filed 8/31/99, effective 10/1/99.]

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## **296-150V-1530**

### **What general plumbing requirements apply?**

This chapter also applies to the installation of plumbing equipment in any conversion vendor unit or medical unit bearing or required to bear a department insignia. Plumbing fixtures, equipment, and installations in conversion vendor units and medical units must conform to the provisions of Chapter 7 of ANSI 119.2, 2002 edition or the Uniform Plumbing Code and the amendments adopted by the State Building Code Council, except part 1, unless specifically exempted or required by this section. The following also apply:

- (1) We will allow a 1-1/4 inch drain for handwashing sinks with an antisiphon vent.
- (2) An antisiphon vent will be allowed on one and two compartment sinks in units as long as there is one vent to the exterior so the system will function. Sinks with three or more compartments must be installed as required by the Uniform Plumbing Code.

[Statutory Authority: RCW **43.22.340**, **43.22.400**, **43.22.432**, **43.22.433**, **43.22.434**, **43.22.480**, and **43.22.485**, 2002 c 268, and chapter **43.22** RCW. WSR 03-12-044, § 296-150V-1530, filed 5/30/03, effective 6/30/03. Statutory Authority: Chapter **43.22** RCW. WSR 99-18-069, § 296-150V-1530, filed 8/31/99, effective 10/1/99.]

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## **296-150V-1540**

### **What are the plumbing definitions?**

Definitions contained in the Uniform Plumbing Code apply to this chapter:

**"Drain outlet"** is the discharge end of the conversion vendor unit or medical unit main drain to which a drain connector may be attached.

**"Main drain"** is the principal artery of the conversion vendor unit or medical unit drainage system to which drainage branches may be connected.

**"Water-supply connection"** is the fitting or point of connection of the conversion vendor unit or medical unit water distribution system to a water connector.

[Statutory Authority: Chapter **43.22** RCW. WSR 99-18-069, § 296-150V-1540, filed 8/31/99, effective 10/1/99.]

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## **296-150V-1550**

### **What requirements apply to drain outlets?**

Drain outlets must be equipped with a watertight cap or plug that must be permanently attached to the unit.

[Statutory Authority: Chapter **43.22** RCW. WSR 99-18-069, § 296-150V-1550, filed 8/31/99, effective 10/1/99.]

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## **296-150V-1560**

### **What is the minimum clearance for drain outlets?**

The drain outlet and couplers must have a minimum clearance of three inches in any direction from all parts of the structure or appurtenances and with at least eighteen inches unrestricted clearance directly in front of the drain outlet.

[Statutory Authority: Chapter **43.22** RCW. WSR 99-18-069, § 296-150V-1560, filed 8/31/99, effective 10/1/99.]

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## **296-150V-1570**

### **What requirements apply to water-supply connections?**

Water-supply connections must be equipped with a watertight cap or plug that must be permanently attached to the vehicle.

Note: The department of health may have more restrictive requirements. Before modifying your unit to comply with these requirements, be sure to contact that agency.

[Statutory Authority: Chapter **43.22** RCW. WSR 99-18-069, § 296-150V-1570, filed 8/31/99, effective 10/1/99.]

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## **296-150V-1580**

### **What requirements apply to water heater relief valves and safety devices?**

(1) All water heaters must be installed with approved fully automatic valve or valves designed to provide temperature and pressure relief. Temperature and pressure relief valves must be tested and approved to ANSI Z21.22 standard or equal.

(2) Any temperature relief valve or combined pressure and temperature relief valve installed for this purpose must have the temperature sensing element immersed in the hottest water within the upper six inches of the tank. It must be set to start relieving at a pressure of 150 psi or the rated working pressure of the tank, whichever is lower, and at or below a water temperature of 210 degrees Fahrenheit.

(3) Relief valves must be provided with full-sized drains. Drains must be directed to the exterior of the unit, exiting at least six inches above the ground, and must exhaust downward. Drain lines must be of a material approved for hot water distribution and must drain fully by gravity, must not be trapped, and must not have their outlets threaded.

[Statutory Authority: Chapter **43.22** RCW. WSR 99-18-069, § 296-150V-1580, filed 8/31/99, effective 10/1/99.]

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## 296-150V-1590

### What requirements apply to waste holding tanks for conversion vendor units?

Conversion vendor units may use either portable waste holding tanks approved by the department of health or permanently mounted waste holding tanks.

(1) All portable waste holding tanks must be listed for the intended use and used per their listing.

(2) All permanently mounted waste holding tanks must meet the following specifications:

(a) Tanks must be listed for the intended use, installed per their listing, and be securely installed to prevent displacement during transportation;

(b) Tanks must be easily removable for service, repair or replacement without having to remove any permanent construction;

(c) Neither the inlet nor vent fitting may extend downward into the tank more than 1-1/2 inches;

(d) The drain opening must be located at the lowest point of the tank;

(e) Tanks must be vented at the highest point in the top of the tank by one of the following methods:

(i) A 1-1/4 inch diameter vent pipe;

(ii) A continuous vent serving as a drain from one additional fixture provided the drain portion is increased one pipe size larger than the connected trap arm;

(iii) Two or more vented drains when at least one is wet-vented and each drain is separately connected to the top of the tank;

(f) A fullway termination valve must be installed in the tank; and

(g) No drain connection may be made between liquid and body waste holding tanks upstream of fullway termination valves.

[Statutory Authority: Chapter 43.22 RCW. WSR 99-18-069, § 296-150V-1590, filed 8/31/99, effective 10/1/99.]

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## 296-150V-1600

### What are the requirements associated with medical and conversion vending units that have been manufactured and used outside the state according to RCW 43.22.380?

(1) If the unit does not have any alterations made to body and frame design, construction, plumbing, heating or electrical installations since it was constructed, it will need an insignia issued by the department. In order to receive the insignia, the unit must have been:

(a) Manufactured outside the state of Washington. Proof of this must be demonstrated by a certificate of origin, bill of sale, proof of purchase of materials, manufacture identification

tag or serial number, or any other means acceptable to the department that shows that the unit was manufactured outside the state.

(b) Used outside the state for at least six months or more. Proof of this must be demonstrated by showing the purchase of a license plate, a permit(s) issued by another state agency for use in another state, insurance certificate, bill of sale, or any other means acceptable to the department that shows that the unit was used outside the state for at least six months.

(2) If the unit has had alterations made to the body and frame design, construction, plumbing, heating or electrical installations since it was constructed, it will need an insignia issued by the department. In order to receive the insignia, the alterations to the unit must be inspected and approved by the department and the unit must have been:

(a) Manufactured outside the state of Washington. Proof of this must be demonstrated by a certificate of origin, bill of sale, proof of purchase of materials, manufacture identification tag or serial number, or any other means acceptable to the department that shows that the unit was manufactured outside the state.

(b) Used outside the state for at least six months or more. Proof of this must be demonstrated by showing the purchase of a license plate, a permit(s) issued by another state agency for use in another state, insurance certificate, bill of sale, or any other means acceptable to the department that shows that the unit was used outside the state for at least six months.

[Statutory Authority: RCW [43.22.340](#), [43.22.400](#), [43.22.432](#), [43.22.433](#), [43.22.434](#), [43.22.480](#), and [43.22.485](#), 2002 c 268, and chapter [43.22](#) RCW. WSR 03-12-044, § 296-150V-1600, filed 5/30/03, effective 6/30/03.]

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## 296-150V-3000

### Conversion vendor units and medical units—Fees.

|   |          |
|---|----------|
| <b>INITIAL FILING FEE</b>   | \$39.10  |
| <b>DESIGN PLAN FEES:</b>  |          |
| INITIAL FEE - MASTER DESIGN   | \$270.90 |
| INITIAL FEE - ONE YEAR DESIGN   | \$110.70 |
| RENEWAL FEE   | \$47.00  |
| RESUBMIT FEE  | \$79.00  |
| ADDENDUM (Approval expires on same date as original plan)   | \$79.00  |
| ELECTRONIC PLAN SUBMITTAL FEE \$5.50 per page for the first set of plans and \$1.00 per page for each additional set of plans. These fees are in addition to any applicable design plan fees required under this section. |          |
| <b>ELECTRICAL PLAN REVIEW</b> - For medical units, find fees at <a href="http://apps.leg.wa.gov/wac/default.aspx?cite=296-46B-906">http://apps.leg.wa.gov/wac/default.aspx?cite= 296-46B-906</a>                          |          |
| <b>RECIPROCAL PLAN REVIEW:</b>  |          |
| INITIAL FEE - MASTER DESIGN   | \$120.70 |
| INITIAL FEE - ONE YEAR DESIGN   | \$72.90  |
| RENEWAL FEE   | \$72.90  |
| ADDENDUM  | \$72.90  |

|  |          |
|--|----------|
| <b>APPROVAL OF EACH SET OF DESIGN PLANS BEYOND FIRST TWO SETS</b>                            | \$14.60  |
| <b>DEPARTMENT INSPECTION FEES:</b>   |          |
| INSPECTION/REINSPECTION (Per hour* plus travel time* and mileage**)                          | \$79.00  |
| TRAVEL (Per hour)*   | \$79.00  |
| PER DIEM**   |          |
| HOTEL***   |          |
| MILEAGE**  |          |
| RENTAL CAR***  |          |
| PARKING***   |          |
| AIRFARE***   |          |
| ALTERATION INSPECTION (One hour plus insignia alteration fee)                                | \$118.30 |
| <b>INSIGNIA FEES:</b>  |          |
| FIRST SECTION/ALTERATION   | \$22.70  |
| REISSUED-LOST/DAMAGED  | \$14.60  |
| EXEMPT   | \$39.10  |
| <b>OTHER FEES:</b>   |          |
| FIELD TECHNICAL SERVICE (Per hour* plus travel time* and mileage**)                          | \$79.00  |
| PUBLICATION PRINTING AND DISTRIBUTION OF RCWs AND WACs (One free copy per year upon request) | \$14.60  |
| <b>REFUND FEE</b>  | \$26.00  |

\* Minimum charge of 1 hour; time spent greater than 1 hour is charged in 1/2 hour increments.

\*\* Per state guidelines.

\*\*\* Actual charges incurred.

[Statutory Authority: Chapters **18.27**, 70.87, 43.22, and **43.22A** RCW. WSR 18-24-102, § 296-150V-3000, filed 12/4/18, effective 1/4/19. Statutory Authority: Chapter **43.22** RCW and 2011 1st sp.s. c 50. WSR 12-06-069, § 296-150V-3000, filed 3/6/12, effective 4/30/12. Statutory Authority: Chapters **18.106**, **43.22** RCW, 2008 c 285 and c 329. WSR 08-12-042, § 296-150V-3000, filed 5/30/08, effective 6/30/08. Statutory Authority: Chapters **18.27**, 18.106, 43.22, and **70.87** RCW. WSR 07-11-128, § 296-150V-3000, filed 5/22/07, effective 6/30/07. Statutory Authority: Chapters **18.106**, 43.22, and **70.87** RCW. WSR 06-10-066, § 296-150V-3000, filed 5/2/06, effective 6/30/06. Statutory Authority: Chapter **43.22** RCW. WSR 05-23-002, § 296-150V-3000, filed 11/3/05, effective 12/4/05. Statutory Authority: Chapters **18.27**, 43.22, and **70.87** RCW. WSR 05-12-032, § 296-150V-3000, filed 5/24/05, effective 6/30/05. Statutory Authority: Chapter **43.22** RCW and 2003 c 291. WSR 05-01-102, § 296-150V-3000, filed 12/14/04, effective 2/1/05. Statutory Authority: Chapters **18.27** and **43.22** RCW. WSR 04-12-048, § 296-150V-3000, filed 5/28/04, effective 6/30/04. Statutory Authority: RCW **43.22.350**, **43.22.434**, **43.22.480**, **43.22.500**, **70.87.030**, **18.106.070**, **18.106.125**, 2001 c 7, and chapters **18.106**, 43.22, and **70.87** RCW. WSR 03-12-045, § 296-150V-3000, filed 5/30/03, effective 6/30/03. Statutory Authority: RCW **43.22.350**, **43.22.434**, **43.22.480**, **43.22.500**, **18.27.040**, **18.27.070**, **18.27.075**, **70.87.030**, **19.28.041**, **19.28.051**, **19.28.101**, **19.28.121**, **19.28.161**, **19.28.201**, **19.28.211**, **19.28.341**, 2001 c 7, 2002 c 249, and chapters **19.28**, 43.22, 18.27, and **70.87** RCW. WSR 02-12-022, § 296-150V-3000, filed 5/28/02, effective 6/28/02. Statutory Authority: RCW **43.22.350**, **43.22.434**, **43.22.480**, **43.22.500**, **18.27.070**, **18.27.075**, **70.87.030**, **19.28.041**, **19.28.051**, **19.28.101**, **19.28.121**, **19.28.161**, **19.28.201**, **19.28.211**, **19.28.341**, 2001 c 159, and chapters **43.22**, 19.28, 18.27, and **70.87** RCW. WSR 01-12-035, §



296-150V-3000, filed 5/29/01, effective 6/29/01. Statutory Authority: Chapter **43.22** RCW.  
WSR 99-18-069, § 296-150V-3000, filed 8/31/99, effective 10/1/99.]