Chapter 296-150V WAC
CONVERSION VENDOR UNITS AND MEDICAL UNITS

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WAC

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296-150V-1220 What code and installation requirements apply to conversion vendor unit or medical unit electrical systems? [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-1220, filed 8/22/00, effective 9/30/00. Statutory Authority: Chapter 43.22 RCW. WSR 99-18-069, § 296-150V-1220, filed 8/31/99, effective 10/1/99.] Repealed by WSR 03-12-044, filed 5/30/03, effective 6/30/03. 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.

WAC 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.]

WAC 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. Educa-

tional 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.]

WAC 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.]

WAC 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.]

WAC 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.]

WAC 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.]

WAC 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.]

WAC 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.]

WAC 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.]

WAC 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.]

WAC 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.]

WAC 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.]

INSIGNIA

WAC 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.]

WAC 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.]

WAC 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.]

WAC 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.]

WAC 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.]

WAC 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.]

DESIGN PLAN

WAC 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.]

WAC 296-150V-0310 Who can approve design plans? (1) Design plans for conversion vendor units can be approved by us or by a licensed professional or firm authorized by us. (See WAC 296-150V-0420 and 296-150V-0430.)
(2) All design plans for medical units must be reviewed and approved by the department.

[Statutory Authority: Chapter 43.22 RCW. WSR 23-09-024, § 296-150V-0310, filed 4/11/23, effective 4/11/23; WSR 99-18-069, § 296-150V-0310, filed 8/31/99, effective 10/1/99.]

DESIGN-PLAN APPROVAL BY THE DEPARTMENT

WAC 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.]

WAC 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.]

WAC 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.]

WAC 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.]

WAC 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.]

WAC 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.]

WAC 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.]

WAC 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.]

DESIGN-PLAN APPROVAL BY A LICENSED PROFESSIONAL OR FIRM

WAC 296-150V-0420 Who can be authorized to approve design plans? (1) A professional engineer, architect, or firm licensed by the state of Washington according to the Engineers Registration Act, chapter 18.43 RCW and/or the Architects Registration Act, chapter 18.08 RCW; or

(2) A professional engineer, architect, or firm licensed in another state that has licensing or certification requirements that meet or exceed Washington requirements.

(3) A professional engineer, architect, or firm cannot approve medical units.

[Statutory Authority: Chapter 43.22 RCW. WSR 23-09-024, § 296-150V-0420, filed 4/11/23, effective 4/11/23.]

WAC 296-150V-0430 What information must a professional or firm provide to be authorized to approve design plans? (1) Name, a copy of your certificate of registration or authority, and address of the professional engineer, architect, or firm; and

(2) A description of the services the professional engineer, architect, or firm will provide in the areas of fire and life safety, mechanical, plumbing, and electrical plan review for conversion vendor units; and

(3) A summary of the professional's or firm's expertise and qualifications to review plans in the areas identified by the description of services.

[Statutory Authority: Chapter 43.22 RCW. WSR 23-09-024, § 296-150V-0430, filed 4/11/23, effective 4/11/23.]

WAC 296-150V-0440 How will I know whether I am authorized to approve design plans? Within 60 days after you submit the information requested in WAC 296-150V-0430, we will send you a letter either approving or denying your authorization request.

(1) If we approve your request, your name is added to the list of licensed professionals and firms authorized to approve design plans.

(a) We will authorize a professional to approve portions of a design plan within his or her area of expertise; and

(b) We will authorize an engineering or architectural firm to approve plans if the firm employs or contracts with professionals within the area of expertise necessary for the design plan.

(2) If we do not approve your request, we will notify you in writing why we are denying your request for authorization. If you disagree with our decision, you can send us a written request for a hearing, stating why you disagree. (See WAC 296-150V-0100.)

[Statutory Authority: Chapter 43.22 RCW. WSR 23-09-024, § 296-150V-0440, filed 4/11/23, effective 4/11/23.]

WAC 296-150V-0450 How long is a licensed professional or firms authorization effective? Your authorization to approve design plans is effective until your license expires, is revoked or suspended or until your authorization to approve plans is revoked or suspended in accordance with subsection (3) or (4) of this section.

(1) You must notify us of your license renewal at least 15 days before your license expires, to prevent your name from being removed from our licensed professional and firm list.

(2) You must notify us immediately if your license is revoked or suspended. Your name is then removed from the list of licensed professionals and firms authorized to approve design plans.

(3) Your authorization to approve plans may be revoked or suspended if during any one year we receive three or more approved plans that after audit are found to be incomplete or contain multiple code violations. Incomplete plans are those that do not meet the requirements of this chapter and our written plan review guidelines that we provided to you. If your authorization is revoked you may reapply for authorization in accordance with WAC 296-150V-0430, after one year from the date of revocation. Suspensions may be up to one year. If you disagree with our decision, you can send us a written request for a hearing, stating why you disagree. (See WAC 296-150V-0100.)

(4) Your authorization to approve plans may be revoked if we find the licensed professional has a conflict of interest. If your authorization is revoked you may reapply for authorization in accordance with WAC 296-150V-0430, after one year from the date of revocation. If you disagree with our decision, you can send us a written request for a hearing, stating why you disagree. (See WAC 296-150V-0100.)

(5) If we revoke or suspend your authorization in accordance with subsection (3) or (4) of this section, your name will be removed from the list of licensed professionals and firms authorized to approve design plans.

[Statutory Authority: Chapter 43.22 RCW. WSR 23-09-024, § 296-150V-0450, filed 4/11/23, effective 4/11/23.]

WAC 296-150V-0460 What information must a manufacturer send to the department when a professional or firm does the design-plan approval? You must send us the following information in your approved design plans:

(1) A completed departmental design-plan approval request form;

(2) A set of the design plan drawings, specifications, engineering analysis, and test results and procedures necessary for a complete code evaluation of the design. When required by chapter 196-23 or 308-12 WAC, design documents prepared by licensed professionals must be sealed;

(3) A cover sheet on the design plan noting which professional approved each portion of the design plan;

(4) A copy of the authorization letter from us; and

(5) The design plan fee for design plans approved by professionals or firms. (See WAC 296-150V-3000.)

[Statutory Authority: Chapter 43.22 RCW. WSR 23-09-024, § 296-150V-0460, filed 4/11/23, effective 4/11/23.]

WAC 296-150V-0470 What happens after we receive the professional or firm approved design plan and information? (1) After we receive your approved design plans and information, we will check the design plans and information to reasonably assure they contain the documents and plan information outlined in our written guidelines for plan reviews as provided to approved licensed professionals. Once accepted we will assign a plan approval number and send a copy of the design plan with the plan approval number to the manufacturer.

(2) If our check of the design plans and information finds that they are not acceptable we will notify you in writing of the reasons why. Unless being audited in accordance with subsection (3) of this section, design plans and information may be corrected and resubmitted

for acceptance within 90 days of our notification. We may charge the applicant an additional hourly fee to process revised submittals (see WAC 296-150V-3000).

(3) We may audit design plans approved by a professional engineer, architect, or firm to ensure compliance with this chapter and our written guidelines for plan reviews. Audits may be either random audits or they may be audits of plans that were not accepted in accordance with subsection (2) of this section. The department's audit should not be construed as certifying that the plans are safe.

(4) If the audit finds that the design plans approved by the professionals and firms do not comply with this chapter and our written guidelines for plan reviews, the applicant will be notified and may be required to pay our fees for review and approval of the design plans. (See WAC 296-150V-3000.)

[Statutory Authority: Chapter 43.22 RCW. WSR 23-09-024, § 296-150V-0470, filed 4/11/23, effective 4/11/23.]

WAC 296-150V-0480 Do you have a list of professionals or firms that are authorized to approve design plans? Yes. We will maintain a list of the licensed professionals and firms that are authorized to approve design plans for conversion vendor units.

[Statutory Authority: Chapter 43.22 RCW. WSR 23-09-024, § 296-150V-0480, filed 4/11/23, effective 4/11/23.]

WAC 296-150V-0490 Who approves addendums to design plans approved by a professional or firm? (1) You must have the professional or firm approve an addendum to a design plan, if they initially approved your design plan.

(2) If the professional or firm who approved your design plan is no longer on the department list, you may have us approve your addendum.

[Statutory Authority: Chapter 43.22 RCW. WSR 23-09-024, § 296-150V-0490, filed 4/11/23, effective 4/11/23.]

WAC 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.]

INSPECTIONS PRIOR TO ISSUANCE OF AN INSIGNIA

WAC 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.]

WAC 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.]

WAC 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.]

WAC 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.]

WAC 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.]

WAC 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.]

WAC 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.]

USED CONVERSION VENDOR UNITS OR MEDICAL UNITS WITHOUT AN INSIGNIA

WAC 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.]

WAC 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.]

MANUFACTURER'S NOTICE TO THE DEPARTMENT

WAC 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.]

WAC 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.]

WAC 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.]

CONVERSION VENDOR UNIT AND MEDICAL UNIT CONSTRUCTION CODE GENERAL AND STRUCTURAL

WAC 296-150V-0800 What codes apply to conversion vendor units and 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 23-09-024, § 296-150V-0800, filed 4/11/23, effective 4/11/23; 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.]

WAC 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.]

Construction and Materials

WAC 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.]

WAC 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.]

WAC 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.]

WAC 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.]

WAC 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.]

WAC 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.]

WAC 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.]

WAC 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.]

WAC 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.]

WAC 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.]

WAC 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.]

WAC 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.]

Mechanical

WAC 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.]

WAC 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.]

WAC 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.]

WAC 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.]

WAC 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.]

WAC 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.]

WAC 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.]

WAC 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.]

WAC 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.]

WAC 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.]

WAC 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.]

WAC 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.]

WAC 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.]

Plumbing

WAC 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.]

WAC 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.]

WAC 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.]

WAC 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.]

WAC 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.]

WAC 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.]

WAC 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.]

WAC 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 accept-

able 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.]

CONVERSION VENDOR UNIT AND MEDICAL UNIT FEES

WAC 296-150V-3000 Conversion vendor units and medical units—Fees.

INITIAL FILING FEE	$55.10
DESIGN PLAN FEES:	
INITIAL FEE - MASTER DESIGN	$383.80
INITIAL FEE - ONE YEAR DESIGN	$156.70
RENEWAL FEE	$66.30
RESUBMIT FEE	$111.80
ADDENDUM (Approval expires on same date as original plan)	$111.80
PLANS APPROVED BY LICENSED PROFESSIONALS	$97.50
FEES FOR RESUBMITTAL OF DESIGN PLANS APPROVED BY A PROFESSIONAL OR FIRM	$103.20 per hour
ELECTRICAL PLAN REVIEW - For medical units, find fees at http://apps.leg.wa.gov/wac/default.aspx?cite=296-46B-906	
RECIPROCAL PLAN REVIEW:	
INITIAL FEE - MASTER DESIGN	$170.80
INITIAL FEE - ONE YEAR DESIGN	$103.20
RENEWAL FEE	$103.20
ADDENDUM	$103.20
APPROVAL OF EACH SET OF DESIGN PLANS BEYOND FIRST TWO SETS	$20.40
DEPARTMENT INSPECTION FEES:	
INSPECTION/REINSPECTION (Per hour* plus travel time* and mileage**)	$111.80
TRAVEL (Per hour)*	$111.80
PER DIEM**	
HOTEL***	
MILEAGE**	
RENTAL CAR***	

PARKING***	
AIRFARE***	
ALTERATION INSPECTION (One hour plus insignia alteration fee)	$167.50
INSIGNIA FEES:	
FIRST SECTION/ALTERATION	$31.90
REISSUED-LOST/DAMAGED	$20.40
EXEMPT	$55.10
OTHER FEES:	
FIELD TECHNICAL SERVICE (Per hour* plus travel time* and mileage**)	$111.80
PUBLICATION PRINTING AND DISTRIBUTION OF RCWs AND WACs (One free copy per year upon request)	$20.40
REFUND FEE	$36.50

*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, 19.28, 70.87, 43.22, 43.22A, and 18.106 RCW. WSR 26-10-060 (Order 25-30), s 296-150V-3000, filed 5/5/26, effective 7/1/26. Statutory Authority: Chapters 43.22 and 43.22A RCW. WSR 24-21-131, s 296-150V-3000, filed 10/22/24, effective 1/1/25; WSR 23-21-084, § 296-150V-3000, filed 10/17/23, effective 12/1/23. Statutory Authority: Chapter 43.22 RCW. WSR 23-09-024, § 296-150V-3000, filed 4/11/23, effective 4/11/23. Statutory Authority: Chapters 43.22 and 43.22A RCW. WSR 22-19-074, § 296-150V-3000, filed 9/20/22, effective 11/1/22; WSR 21-07-126, § 296-150V-3000, filed 3/23/21, effective 4/23/21; WSR 20-04-081, § 296-150V-3000, filed 2/4/20, effective 3/6/20. 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.]