

**Agenda
Item
VII.B.**

State of Oregon

Board memo

Building Codes Division

September 11, 2008

To: Manufactured Structures and Parks Advisory Board

From: Richard J. Baumann
Policy Analyst

Subject: Recreational Vehicle Code Review Committee recommendations regarding the adoption of minimum safety standards for the construction, alteration and repair of recreational vehicles and recreational park trailers.

Background:

The Building Codes Division opened the code change process to receive code amendments on April 1, 2008. No code change proposals were received from the public. Division staff recommended adopting the four model codes and suggested a total of seven amendments to the model codes. The Recreational Vehicle Code Review Committee was appointed by the division in May and met once on June 18, 2008. Attached to this memo is the code adoption matrix showing the proposed base model codes, code change proposals (amendments), and the committee's recommendations. In addition to the adoption and amendment of the codes, the division has proposed administrative rules containing additional housekeeping changes to correct references, remove duplicative and unnecessary language that make the rules more uniform and consistent with other division code programs.

Division staff brought forward four existing code amendments that address (1) solid fuel burning appliances concerns in two codes, (2) prohibit fuel dispensing systems on recreational park trailers, and (3) allow two power cords for recreational park trailers. The division identified a life safety concern in the 2008 NFPA 1192 regarding the number of minimum means of escape (egress) from sleeping areas. The new code reduced the requirements from the previous code requiring one main entry into the vehicle and one secondary means of escape for the entire vehicle. The division recommends providing a means of escape to the exterior of the vehicle for each separate sleeping area. For example, at least one openable window meeting the minimum size for an egress. On recreational park trailers, the division recommends adopting a change proposed for the upcoming model code for lighting and switching requirements for stairways leading to loft areas. This safety requirement is set to be part of the next edition of the ANSI 119.5. The division withdrew one of its proposed code amendments that would have required an additional label to be installed next to the main 12-volt disconnect switch on recreational vehicles that have fuel dispensing systems.

Discussion:

Under [ORS 446.185, 455.020 and 455.110](#), the division, with the approval of the board, promulgates the minimum safety standards for the construction, alteration and repair of recreational vehicles in this state. These minimum safety standards must conform, insofar as it is practical, to codes generally accepted and in use throughout the United States. At this meeting, the board is reviewing the recommendations made by the code review committee. The board will in turn make a recommendation to the division regarding the adoption and amendment of these minimum safety standards. After this meeting, the division will obtain additional input at a public hearing and make a final decision on the adoption and amendment of the minimum safety standards.

Alternatives:

1. Approve the committee's recommendation to adopt the minimum safety standards with amendments for rulemaking and subsequent adoption, with the finding that the added cost, if any, is necessary to the health and safety of the occupants or the public or necessary to conserve scarce resources.
2. Amend and approve the committee's recommendation concerning the minimum safety standards for rulemaking and subsequent adoption, with the necessary cost finding.
3. Disapprove the committee's recommendation regarding the minimum safety standards.

Recommendation:

The committee recommends that the board consider adopting the minimum safety standards with amendments.

Recreational Vehicle Code Adoption Timeline September 11, 2008

- April 1 to May 15, 2008 - BCD accepted code proposals from the public.
- June 18, 2008 - Recreational Vehicle Code Committee reviewed minimum safety standards with Oregon amendments identified in OAR 918-525-0040, for the construction, conversion, alteration and repair of recreational vehicles and recreational park trailers.
- September 11, 2008 - Manufactured Structures & Parks Advisory Board considers committee's recommendations regarding changes to the minimum safety standards with Oregon amendments identified in OAR 918-525-0040.
- October 21, 2008 - Proposed public hearing.
- November 1, 2008 - Proposed effective date of the revised minimum safety standards with Oregon amendments identified in OAR 918-525-0040.

2008 Recreational Vehicle Code Adoption Matrix

Item #	Section number	Submitted proposal #	Comment	Committee Action	Board Action
General Editorial/Housekeeping Changes					
1	918-525 & 918-530		Rules have been updated to reflect changes from adopting new codes, uniform and consistent terms, and deleting duplicative and unnecessary language.	Approved	
2008 NFPA 1192 RV Standard					
2			Adopt the 2008 Edition of NFPA 1192	Adopted	
3	5.4		Prohibits solid fuel burning appliances unless specifically allowed in these rules.	Approved	
4	6.2.1.3		Requires a means of escape in designated sleeping areas in addition to the minimum means of escape required in the model code.	Approved	
2005 ANSI 119.5 RV Park Trailer Standard					
5			Adopt the 2005 ANSI 119.5	Approved	
6	1-5		Adds requirements for light fixture in loft and the light switch is a three-way switch.	Approved	
7	2-1		Prohibits recreational park trailers from having fuel dispensing systems.	Approved	
8	2-6.1		Addresses solid fuel burning appliances	Approved	
2008 NFPA 70 (NEC)					
9			Adopt the 2008 NFPA 70 (NEC)	Approved	
10	552-43(a)		Allows two listed factory supplied power cords for recreational park trailers.	Amended & Approved	
2008 ANSI/RVIA Standard for Low Voltage Systems					
11			Adopt the 2008 ANSI/RVIA Standard for Low Voltage Systems	Approved	

Committee meeting date: June 18, 2008

DRAFT

Last updated 8/28/2008

**Recreational Vehicle Code Adoption
DRAFT 2
September 11, 2008**

**DIVISION 525
SAFETY AND CONSTRUCTION STANDARDS
FOR RECREATIONAL VEHICLES**

918-525-0000

Reasonable Notice to Interested Parties

Before the adoption, amendment or repeal of any rule relating to the construction or inspection of recreation vehicles adopted under ORS 446.003 to 446.280 and 446.990, the Building Codes Division shall give notice of the proposed adoption, amendment or repeal:

(1) In the Secretary of State's Bulletin referred to in ORS 183.360 ~~335~~ at least ~~15~~ **21** days before the effective date; and

(2) By mailing a copy of the notice to persons on the ~~Manufactured Structures and Parks Section's~~ **interested parties** mailing list established under ORS 183.335(7) ~~and the Capitol Press Room.~~

Stat. Auth.: ORS 446

Stats. Implemented: ORS 183.335

Hist.: BCA 1-1990, f. & cert. ef. 1-2-90; BCA 30-1993, f. 12-1-93, cert. ef. 1-1-94

918-525-0005

Definitions

The following definitions shall apply to OAR 918, divisions 520, 525 and 530 and are in addition to those included in ORS 446.003 **and 455.010**:

(1) "Accessible" means having access thereto, but which may require removal of an access panel or opening a door.

(2) "Accessory Building" means an accessory building which specifically includes, but is not limited to, cabanas, ramadas, storage sheds and garages.

(3) "Accessory Structure" means an accessory structure which specifically includes, but is not limited to, awnings, carports, decks, steps and ramps.

(4) "Additional Living Space," as used in these rules has two meanings:

(a) As it relates to a cabana, means a freestanding, self-supporting accessory building installed adjacent to a recreational vehicle and subject to OAR 918-530-0320; or

(b) As it relates to additions to a recreational vehicle, means any attached structure that is dependent upon the recreational vehicle for support or systems. These attached structures shall be within the 400 square foot maximum allowable gross floor area of a non-motorized recreational vehicle, as identified in OAR 918-525-0035(1), (2) and (4) and are subject to OAR 918-525-0040(1)(a), (b), (c) and (d) standards for recreational vehicles or **recreational** park trailers as appropriate.

(5) “Adjustment of Equipment” means the adjustment of the rate, flow, speed, temperature, etc. as necessary for the continued operation of the equipment but does not include the repair, replacement, conversion, alteration or addition to any equipment.

(6) “Anchoring System” means any equipment or device designed to secure a recreational vehicle for the purpose of resisting uplift, sliding and overturning.

~~(7) “Authority Having Jurisdiction” means the Building Codes Division or local government appointed by the administrator to inspect and issue permits for installation, alteration or conversion of recreational vehicles, equipment, accessory buildings and accessory structures.~~

(8) (7) “Controlled Fill” means fill intended to bear a structural load in which the fill material is placed in layers of soil, crushed stone or masonry waste material, compacted and tested to ensure it meets specified compaction standards determined by laboratory tests of soil samples from the fill material.

(9) “Conversion” as used in this rule has three meanings:

~~(a) “Conversion” as defined in ORS 446.003(9) relates to changing an existing recreational vehicle use such as a van conversion or bus conversion;~~

~~(b) “Conversion” as described in ORS 446.003(2)(b)(B) relates to changing equipment from one fuel source to another and could include other conversions of the recreational vehicle equipment; or~~

~~(c) “Conversion” also relates to changing a recreational vehicle to another use or occupancy such as to a utility trailer or a concession stand.~~

(10) (8) “Design Option” means an option to a model or model group submitted with the original model or with a model supplement.

(11) **(9)** “Earthquake-resistant Bracing System” means a ~~California approved and~~ certified anchoring system, bracing system or other devices designed and constructed to protect the health and safety of the occupants of, and reducing damage to, a **recreational** park trailer in the event of an earthquake.

(12) **(10)** “Field Technical Service” means the clarification of technical data, including but not limited to Division interpretations, investigations or training relating to the application of laws, rules, standards and regulations administered and enforced by the Building Codes Division.

(13) **(11)** “Full Foundation System” means a ~~California approved and~~ certified, engineered system of prefabricated foundation supports installed to the pier manufacturer’s installation instructions.

(14) ~~“Insignia” means a state insignia of compliance. (See ORS 446.003 for further information.)~~

(15) ~~“Installation” means the work performed and the operations involved in placing, supporting and securing a park trailer on a site.~~

(16) **(12)** “Labeled” means equipment or materials, used in the manufacture or installation of a recreational vehicle, to which has been attached a label, symbol or other identifying mark of a nationally recognized testing laboratory, inspection agency or other organization, which evaluates products to nationally recognized standards and periodically inspects production of equipment and materials to show compliance with those standards for usage in a specified manner.

(17) **(13)** “Listing Agency” means an agency that:

(a) Is regularly engaged in conducting its own tests, or listing, labeling or contracting its testing procedures to a nationally recognized testing agency;

(b) Maintains a periodic inspection program on production of currently listed products; and

(c) Publishes, at a minimum, an annual report which is used to determine whether products have been tested to such national standards and found safe for use in a specified manner.

(18) **(14)** “Load Bearing Device” means any equipment or device used in the support of a recreational vehicle including, but not limited to, footings, piers, caps and shims.

(19) **(15)** “Main Frame” means the part of the structural system of a recreational vehicle normally used to transfer design load to the support system.

~~(20) “Maintenance of Equipment” means performing routine tasks such as lubricating or changing filters, washers, fuses or bulbs as necessary for the continued operation of the equipment but does not include the replacement, conversion, alteration or addition of or to any equipment.~~

~~(21)~~ **(16)** “Minor Repair” means a simple repair such as replacing broken glass, fittings, devices or fixtures, using approved component parts, but does not include the repair or replacement of major portions of the structural, plumbing, electrical or mechanical systems or conversions, alterations or additions.

~~(22)~~ **(17)** “Model” means an individual recreational vehicle designated by the manufacturer to be manufactured to a specific floor plan, which includes specific structural components, plumbing, electrical and mechanical equipment, and installed and located in accordance with the plans submitted to the division.

~~(23)~~ **(18)** “Model Group” means two or more models with identical floor plans and plumbing, electrical and mechanical systems but identified by different names, numbers or letters.

~~(24) “Municipality” means a city, county or other unit of local government otherwise authorized by law to enact codes.~~

~~(25)~~ **(19)** “Noncompliance” means a failure of a recreational vehicle, equipment or installation to comply with these rules or the codes and standards described in OAR 918-525-0040.

~~(26)~~ **(20)** “Notice of Violation” means written notification by the division stating the recreational vehicle or equipment may not be used, rented, leased or sold or offered for sale, rent or lease due to violations of ORS Chapter 446 or these rules. ~~(The Notice of Violation is commonly referred to as a “Red Tag,” “Stop Work Order” or “Prohibited Sales Notice.”)~~

~~(27)~~ **(21)** “Option Ready” means a provision made during the manufacture of a recreational vehicle to facilitate the future installation of an appliance or other equipment (e.g., air conditioner, generator, dishwasher).

~~(28)~~ **(22)** “Park Trailer” or “Recreational Park Trailer” means a recreational vehicle built on a single chassis, mounted on wheels, ~~designed to provide recreational, seasonal or temporary living quarters~~ which may be connected to utilities necessary for operation of installed fixtures and appliances, and with a gross trailer area not exceeding 400 square feet when in the set-up

mode. Such a vehicle shall be referred to and identified by the manufacturer or converter as a recreational vehicle. ~~(See OAR 918-525-0035.)~~

~~(29)~~ **(23)** “Pier” means that portion of the support system between the footing and the recreational vehicle.

~~(30)~~ **(24)** “Plan Supplement” means the revision, modification or updating of an existing division-approved plan.

~~(31)~~ ~~“Prefabricated Cabana” means a cabana built at an off-site location and transported to the site for installation but does not include a temporary fabric or tent rooms located adjacent to a recreational vehicle.~~

~~(32)~~ **(25)** “Prefabricated Pier” means a listed or approved pier which is manufactured at an off-site location but does not include concrete blocks.

~~(33)~~ **(26)** “Ramada” means a stationary structure having a roof extending over a recreational vehicle, which may also extend over a patio or parking space for motor vehicles, and is used principally for protection from snow, ice, sun or rain.

~~(34)~~ **(27)** “Readily Accessible” means having direct access without the necessity of removing a panel, door or similar obstruction.

~~(35)~~ **(28)** “Recreational Vehicle” means a vehicle as defined in ORS 446.003~~(37)~~ and specifically includes camping trailers, camping vehicles, motor homes, **recreational** park trailers, bus conversions, van conversions, tent trailers, travel trailers, truck campers, combination vehicles which include a recreational vehicle use, and any vehicle converted for use or partial use as a recreational vehicle. Recreational Vehicles **contain** ~~does not include a station wagon, sports utility vehicle, van, bus, truck cab over, utility vehicle or special use vehicle capable of providing eating or sleeping facilities~~ **and are equipped with one or more of the following:** unless the vehicle is also equipped with a holding tank, liquid petroleum gas or a 110 to 240 volt electrical systems to be used in conjunction with the eating or sleeping facilities.

(a) Holding tank(s);

(b) Liquid petroleum gas; or

(c) A 110 to 240 volt electrical systems.

~~(36)~~ **(29)** “Recreational Vehicle Site” means a designated parcel of land designed to accommodate a recreational vehicle, its accessory structures or buildings and accessory equipment for the exclusive use of the occupant’s recreational vehicle.

(30) “Registered Design Professional” as defined in the Oregon Residential Specialty Code is an individual who is registered or licensed to practice their respective design profession as defined by the statutory requirements of the professional registration laws of the state or jurisdiction in which the project is to be constructed.

~~(37)~~ **(31)** “Regulated Repair” means an alteration, repair or conversion regulated by the codes and standards described in OAR 918-525-0040 but excludes those items **unregulated repairs** described in ORS 446.003(2)(b) and OAR 918-525-0350(2).

~~(38)~~ **(32)** “Repair” means the reconstruction or renewal of any part of an existing recreational vehicle or piece of equipment for the purpose of its maintenance.

~~(39)~~ **(33)** “Repair Operation” means any person in the business of making alterations, repairs or conversions to recreational vehicles or recreational vehicle equipment regulated by the division under ORS Chapter 446 and these rules.

~~(40)~~ **(34)** “Replacement in Kind” means replacing equipment or accessories with approved like equipment or accessories such as switches, thermostats, fittings, elements or motors, but does not include the replacement of major portions of the structural, plumbing, electrical or mechanical systems.

~~(41)~~ “Site” see “Recreational Vehicle Site.”

~~(42)~~ “Skirting” means a weather resistant material used to enclose the space below the recreational vehicle.

~~(43)~~ **(35)** “Stabilizing Devices” means all components of the anchoring system and support systems such as piers, footings, ties, anchoring equipment, ground anchors and any other equipment which supports or secures the recreational vehicle to the ground.

~~(44)~~ **(36)** “Stand” means that area of the recreational vehicle site which has been reserved for the placement of a recreational vehicle or accessory structure.

~~(45)~~ **(37)** “Support System” means a combination of footings, piers, caps and shims that will, when properly installed, support the weight of the recreational vehicle, and all imposed live loads.

~~(46)~~ “Tag” means a label or insignia issued by the Building Codes Division and applied to recreational vehicles to indicate compliance with state laws, rules and regulations. (See insignia.)

~~(47)~~ **(38)** “Technician” means a quality assurance technician approved by the division to perform inspections according to a repair operation’s quality assurance manual.

(48) **(39)** “Testing Laboratory” or “Testing Agency” means an organization:

(a) In the business of testing equipment and systems;

(b) Qualified and equipped to perform or to observe experimental testing to approved standards;

(c) Not under the jurisdiction or control of any single manufacturer or supplier for an affected industry;

(d) Publishing reports, including specific information about the equipment and systems tested and found safe for use in a specified manner; and

(e) Whose methods and standards have been approved by the division.

(49) **(40)** “Travel Mode” means the overall size of the recreational vehicle as it travels on a highway including all horizontal projections except for expandable rooms, retractable awnings, exterior plumbing, mechanical or electrical fixtures or equipment or other minor exterior attachments.

(50) **(41)** “Visual inspection” means an inspection by the division of the visible portions of completed construction for the purpose of identifying code violations or approving and issuing an insignia of compliance.

Stat. Auth.: ORS 446.160

Stats. Implemented: ORS 446.160

Hist.: BCA 1-1990, f. & cert. ef. 1-2-90 BCA 30-1993, f. 12-1-93, cert. ef. 1-1-94; BCD 25-1996, f. 11-8-96, cert. ef. 1-1-97; BCD 11-1997, f. 7-23-97, cert. ef. 1-1-98; BCD 9-1999, f. 7-14-99, cert. ef. 9-1-99; BCD 29-2000, f. & cert. ef. 12-19-00

918-525-0015

Objective

The provisions of OAR **chapter** 918, divisions 525 ~~and 530~~ apply to the design, manufacture ~~and installation of recreational vehicles manufactured, remanufactured, converted, altered, repaired,~~ **conversion, alteration and repair of recreational vehicles and recreational park trailers** rented, leased, sold, installed or offered for rent, lease or sale in Oregon ~~as authorized by ORS 446.155.~~

Stat. Auth.: ORS 446.185

Stats. Implemented: ORS 446.155

Hist.: BCA 30-1993, f. 12-1-93, cert. ef. 1-1-94; BCD 9-1999, f. 7-14-99, cert. ef. 9-1-99

918-525-0020

Equipment and Equipment Installations

(1) All equipment and equipment installations in the thermal, fire and life safety, plumbing, mechanical and electrical systems of recreational vehicles or intended for use in recreational vehicles **and recreational park trailers** shall be subject to the provisions of these rules.

(2) The Division may accept for approval equipment and equipment installations listed and labeled by a testing agency using standards approved by the Division.

~~(3) The Administrator, or persons authorized by the Administrator, shall be the final approval authority in cases which present an immediate hazard to the health and safety of owners and occupiers of the recreational vehicle in question.~~

~~(4)~~ (3) If the Division determines that listed or labeled equipment and equipment installations are not adequate for the protection of health, safety and the general welfare, then the Division may revoke the approval for installation in recreational vehicles **and recreational park trailers** manufactured, sold, rented, leased or offered for sale, rent or lease in Oregon.

Stat. Auth.: ORS 446.155

Stats. Implemented: ORS 446.155

Hist.: BCA 1-1990, f. & cert. ef. 1-2-90; BCA 30-1993, f. 12-1-93, cert. ef. 1-1-94; BCD 9-1999, f. 7-14-99, cert. ef. 9-1-99

918-525-0035

Allowable Floor Areas

(1) The maximum gross floor area of a recreational vehicle, ~~including~~ **and recreational park trailers** but not including motorized recreational vehicles, is limited to 400 square feet in the set-up mode including all tipouts, slide-outs, expandable rooms and other horizontal projections. The 400-square-foot limitation does not include:

(a) Vertical multi-level additions such as basements, second stories, lofts (mezzanines) or overhead storage with a maximum ceiling height of five feet;

(b) Any space less than five feet in height which does not increase the size of the recreational vehicle or extend horizontally beyond the recreational vehicle floor line;

(c) Bay windows, walk-a-bays and other window projections with a floor or platform at least 12 inches above the vehicle floor;

(d) Space occupied by drawbars, couplings, hitches or lights;
(e) Exterior chassis mounted decks, landings, platforms or porches that are not enclosed;
(f) Eaves, awnings or porch roof overhangs; or
(g) Freestanding, self-supporting cabanas approved for use as accessory buildings adjacent to the **recreational** park trailer according to OAR 918-530-0320.

(2) Factory-built porches, decks, roof overhangs and other similar construction that is built by the manufacturer and connected to and supported by a recreational vehicle shall not be enclosed with walls, glass or other solid materials if the gross floor area of the enclosure and the recreational vehicle combined would exceed 400 square feet.

(3) The gross floor area of a recreational vehicle shall not be increased through the use of a manufactured dwelling, another recreational vehicle, or through any other means except as specifically permitted by these rules.

(4) Additions that are structurally attached to a recreational vehicle and depend on the recreational vehicle for structural support or that are connected to the plumbing, mechanical or electrical systems of the recreational vehicle, shall be considered part of the recreational vehicle **or recreational park trailer**, constructed to the recreational vehicle or **recreational** park trailer codes as described in OAR 918-525-0040(1) and shall be included within the maximum 400-square-foot area allowed for the recreational vehicle **and recreational park trailer**.

(5) In addition to OAR 918-525-0035(1), the gross floor area of a combination vehicle shall not exceed 400 square feet of gross floor area if there is no permanent separation between the recreational vehicle and the other use (i.e., horse trailer/recreational vehicle). When a combination vehicle has a permanent wall separating the two uses, only the recreational vehicle portion of the combination vehicle is limited to the maximum 400 square feet of gross floor area. ~~The maximum allowable size of a combination vehicle, in the travel mode, is limited by the regulations of the Oregon Department of Transportation.~~

Stat. Auth.: ORS 446.003 & 446.160

Stats. Implemented: ORS 446.003 & 446.160

Hist.: BCD 25-1996, f. 11-8-96, cert. ef. 1-1-97; BCD 9-1999, f. 7-14-99, cert. ef. 9-1-99; BCD 10-2000(Temp), f. 6-21-00, cert. ef. 6-23-00 thru 12-19-00; BCD 29-2000, f. & cert. ef. 12-19-00

918-525-0040

Adopted Minimum Safety Standards

~~(1) The following standards are adopted by reference as the standards under which recreational vehicles, accessory buildings and accessory structures are to be manufactured or constructed:~~

~~(a) As amended in Section 5 of this rule, the **American National Standards Institute (ANSI) Standards** appearing in **Pamphlet ANSI A119.2 (1999 edition)**, **The National Fire Protection Association (NFPA) Standards** appearing in **Pamphlet NFPA 1192 (1999 edition)** both under the title “**Standard for Recreational Vehicles**” and those standards referenced within are adopted as the Division’s standards for the construction, manufacture, alteration, repair and conversion of recreational vehicles except park trailers;~~

~~(b) As amended in Section 6 of this rule, **The American National Standards Institute (ANSI) Standards** appearing in **Pamphlet ANSI A119.5 (1998 edition)** under the title “**Standard for Recreational Park Trailers**” and those standards referenced within are adopted as the Division’s standards for the construction, manufacture, alteration, repair and conversion of park trailers;~~

~~(c) **The National Fire Protection Association (NFPA) Standards** appearing in **Pamphlet NFPA 70 (1999 edition)** under the title “**National Electrical Code**” and those standards referenced within are adopted as the Division’s standards for the construction, manufacture, alteration, repair and conversion of electrical equipment and installations in recreational vehicles except park trailers;~~

~~(d) As amended in Section 7 of this rule, the **National Fire Protection Association (NFPA) Standards** appearing in **Pamphlet NFPA 70 (1999 edition)** under the title “**National Electrical Code**” and those standards referenced within are adopted as the Division’s standards for the construction, manufacture, alteration, repair and conversion of electrical equipment and installations in park trailers;~~

~~(e) **The Oregon One and Two Family Dwelling Specialty Code**, as adopted in OAR 918, division 480, and those standards referenced within are adopted as the Division’s standards for the construction, manufacture, alteration, repair and conversion of accessory buildings and accessory structures used in conjunction with recreational vehicles.~~

~~(2) Repairs to damaged recreational vehicles shall conform to the following:~~

~~(a) Repairs to a recreational vehicle made before or at the time of sale to the first consumer shall conform to the Division's standards in effect at the time the repairs are performed; and~~

~~(b) All repairs to a recreational vehicle after the initial sale to the first consumer shall conform to the Division's standards in effect at the time of original construction.~~

~~(3) Unaltered used recreational vehicles, when required, shall conform to the Division's standards in effect at the time of original manufacture and may be verified by the Division through a visual inspection.~~

~~(4) Alterations performed on a recreational vehicle by the manufacturer, repair operation or dealer shall conform to the Division's standards in effect at the time of the inspection.~~

~~(5) In addition to all other local, state and federal laws and regulations and the standards identified in subsection (1)(a) of this rule, recreational vehicles equipped with fuel transfer/dispensing systems, for sale, rent, lease or offered for sale, rent or lease in Oregon shall conform to the following requirements:~~

~~(a) All fuel transfer/dispensing systems and equipment shall only be accessible from the exterior of the recreational vehicle;~~

~~(b) All fuel transfer/dispensing systems shall have a remote emergency manual shut off;~~

~~(c) All fuel transfer/dispensing equipment, including but not limited to tanks, pumps, hoses, valves and nozzles, shall be protected from damage from road impact;~~

~~(d) Fuel transfer/dispensing system compartments or enclosures shall be made of non-porous and non-combustible material, sealed from the interior atmosphere of the recreational vehicle and adequately vented at the top and bottom of the compartment with a minimum net free area of 50 square inches for each vent;~~

~~(e) Fuel transfer/dispensing storage tanks shall be provided with a method of venting while fuel is being dispensed from the recreational vehicle;~~

~~(f) Fuel transfer/dispensing storage tanks shall be limited in size to a maximum of thirty gallons;~~

~~(g) Fuel transfer/dispensing systems shall only use automatic closing, non-sparking, manual type fuel nozzles;~~

~~(h) Fuel transfer/dispensing nozzles shall be able to be locked when they are in the storage position;~~

- ~~(i) Fuel transfer/dispensing systems shall have a siphon break installed up stream of the fuel filler hose to prevent fuel from siphoning;~~
- ~~(j) Fuel transfer/dispensing systems shall be designed in such a manner as to prevent the flow of fuel when the fuel dispensing nozzle is in the storage position;~~
- ~~(k) Fuel transfer/dispensing hoses shall be listed to UL Standard 330;~~
- ~~(l) All fuel transfer/dispensing equipment, including but not limited to tanks, pumps, valves and nozzles shall be manufactured for use with flammable liquids and shall meet nationally recognized standards acceptable to the Division;~~
- ~~(m) Fuel transfer/dispensing hoses shall be limited in length to a maximum of five feet from the side of the recreational vehicle;~~
- ~~(n) All fuel transfer/dispensing equipment, including but not limited to tanks, pumps, hoses, valves and nozzles shall be pressure tested to 4 pounds per square inch;~~
- ~~(o) All 110 to 240 volt electrical equipment located on the outside of the recreational vehicle and within three feet of the fuel transfer/dispensing equipment shall meet the requirements of **Articles 500 and 501 of the National Electrical Code, Pamphlet NFPA 70 (1999 edition)** for Class 1, Group D, Division 2;~~
- ~~(p) Recreational vehicles designed for or equipped with fuel transfer/dispensing systems shall be designed so the end of the fuel dispensing nozzle cannot reach within three feet of any heat source or appliance combustion air inlet on the recreational vehicle;~~
- ~~(q) Recreational vehicles designed for or equipped with fuel transfer/dispensing systems shall be designed so there are no openings into the recreational vehicle within three feet of the fuel transfer/dispensing equipment vent;~~
- ~~(r) The recreational vehicle manufacturer shall only install fuel transfer/dispensing systems or a Division registered and certified recreational vehicle repair operation. Manufacturers shall not make any provisions for future retrofit installations of fuel transfer/dispensing systems;~~
- ~~(s) Fuel transfer/dispensing systems shall be provided with an acceptable method of grounding during fuel transfers to protect against any potential electrical static discharge; and~~
- ~~(t) All recreational vehicles equipped with fuel transfer/dispensing systems shall have a permanent label with one-inch-high red block letters visible to the operator during the transfer of fuel from a recreational vehicle. The label shall be made of materials that will not deteriorate when in contact with petroleum. The label shall state: NO SMOKING; BEFORE DISPENSING~~

~~FUEL, TURN OFF ALL ENGINES AND FUEL BURNING APPLIANCES AND GROUND THE RV; DO NOT DISPENSE FUEL WITHIN 20 FEET OF AN OPEN FLAME OR WITHIN 10 FEET OF A STRUCTURE OR ANOTHER RECREATIONAL VEHICLE.~~

~~(6) In addition to the standards identified in subsection (1)(b) of this rule, park trailers over 8 1/2 feet (2.59 meters) wide in the travel mode, for sale, rent, lease or installation or offered for rent, lease or sale in Oregon shall have:~~

~~(a) Two unobstructed paths to exit, located remote from each other in the loft (mezzanine) or second story and arranged to provide a means of unobstructed travel to the outside of the vehicle. One of the exits shall be through an egress window installed in the loft (mezzanine) or second story meeting the requirements of **Chapter 3, Section 3-3 of ANSI A119.5 (1998 edition)**; and~~

~~(b) A smoke alarm installed in any loft (mezzanine) or second story to the requirements of **Chapter 3, Section 3-4 of ANSI A119.5 (1998 edition)**.~~

~~(7) In addition to the standards identified in subsection (1)(d) of this section and **Article 552-43(a) of the National Electrical Code, Pamphlet NFPA 70 (1999 edition)**, park trailers over 8 1/2 feet (2.59 meters) wide in the travel mode, for sale, rent, lease, installation or offered for sale, rent or lease in Oregon may be provided with up to two listed factory installed power supply cords for the electrical feeders.~~

~~(8) Park trailers over 8 1/2 feet (2.59 meters) wide in the travel mode and accessory buildings and structures shall be constructed, sited and installed according to OAR 918, division 530. In conformance with ORS 446.185 and 446.200, the authority having jurisdiction shall not enact any other safety standards for the installation of park trailers.~~

~~(9) Park trailers over 8 1/2 feet wide in the travel mode shall not be equipped with fuel storage, transfer or dispensing equipment.~~

~~(10) Solid fuel burning appliances and unvented room heaters shall not be installed in recreational vehicles, except where specifically permitted in this rule. Park trailers over 8 1/2 feet (2.59 meters) wide may have wood burning stoves, wood burning fireplaces and pelletfired appliances installed if they are approved and listed for manufactured home use installed according to OAR 918, division 520, except when the park trailer is located under a ramada.~~

Effective November 1, 2008 the following standards are adopted by reference as the standards for the manufacture, conversion, alteration or repair of recreational vehicles, recreational park trailers, accessory buildings and accessory structures:

(1) The 2008 Edition of NFPA 1192, Standard on Recreational Vehicles, as published by the National Fire Protection Association, and further amended by the Division.

(2) The 2005 Edition of ANSI 119.5, Standard for Recreational Park Trailers, as published by the American National Standards Institute, and further amended by the Division.

(3) The 2008 Edition of NFPA 70, National Electrical Code, specifically but not limited to, Article 551 pertaining to Recreational Vehicles and Article 552 Park Trailers, as published by the National Fire Protection Association, and further amended by the Division.

(4) The 2008 Edition of ANSI/RVIA Standard for Low Voltage Systems in Conversion and Recreational Vehicles, as published by the Recreational Vehicle Industry Association.

(5) The Oregon Residential Specialty Code, as adopted in OAR Chapter 918, Division 480, and those standards referenced within are adopted as the Division's standards for the construction, manufacture, alteration, repair and conversion of accessory buildings and accessory structures used in conjunction with recreational vehicles and recreational park trailers.

[Publications: Publications referenced are available from the agency **for review at the division.**
See division web site for information on where to purchase publications.]

Stat. Auth.: ORS 183.325 - 183.410 & 446.003 - 446.285

Stats. Implemented: ORS 446.185

Hist.: BCA 1-1990, f. & cert. ef. 1-2-90; BCA 22-1990(Temp), f. & cert. ef. 9-4-90; BCA 27-1990, f. 11-28-90, cert. ef. 11-30-90; BCA 16-1993, f. 8-12-93, cert. ef. 9-1-93; BCA 30-1993, f. 12-1-93, cert. ef. 1-1-94; BCD 16-1996, f. 8-6-96, cert. ef. 9-1-96; BCD 25-1996, f. 11-8-96, cert. ef. 1-1-97; BCD 11-1997, f. 7-23-97, cert. ef. 1-1-98; BCD 22-1998, f. 11-9-98, cert. ef. 1-1-99; BCD 9-1999, f. 7-14-99, cert. ef. 9-1-99; BCD 10-2000(Temp), f. 6-21-00, cert. ef. 6-23-00 thru 12-19-00; BCD 29-2000, f. & cert. ef. 12-19-00

918-525-0042

Amendments to the Adopted Minimum Safety Standards

(1) Amend NFPA 1192 as follows:

(a) Amend Section 5.4 Fuel-Burning Appliances by adding the following language after Section 5.4.1. “Solid-fuel-burning appliances and unvented room heaters shall not be installed in recreational vehicles, except where specifically permitted in these rules.”

(b) Amend Section 6.2 Minimum Means of Escape by adding subsection 6.2.1.3. “Each separate designed sleeping area shall be required to have a means of escape to the exterior of the vehicle. The means of escape may be an outside window, outside door, or roof hatch sized in accordance with 6.2.5. For the purpose of this code, a separate designated sleeping area means an area separated by a door, folding door, or other similar obstruction.

Exception: 6.2.1.3 does not apply to a separate sleeping area if the separate sleeping area has a means of escape meeting the requirements of 6.2.3.”

(2) The following amendments apply to recreational park trailers over 8-1/2 feet wide in the travel mode.

(a) Amend ANSI 119.5 as follows:

(A) Amend Chapter 1 by inserting the following language after Section 1-5.

(i) Each loft area shall have a minimum of one electrical light fixture and a convenience receptacle.

(ii) Each enclosed stairway shall have a light fixture that is controlled by switches from both the top and the bottom of the stairway. The light fixture in subparagraph (i) of this rule may be used to serve this purpose.

(B) Amend Chapter 2 by inserting the following language after Section 2-1. “Recreational park trailers shall not be equipped with fuel storage, transfer or dispensing equipment.”

(C) Amend Section 2-6 Fuel-Burning Appliances by inserting the following language after Section 2-6.1. “Wood-burning stoves, wood-burning fireplaces and pelletfired appliances may be installed if they are approved and listed for manufactured home use and installed according to OAR Chapter 918, Division 520.

(b) Amend NFPA 70 Article 552.43(A) by inserting the following language after paragraph (A). “Recreational park trailers over 8-1/2 feet wide in the travel mode may have up to two listed power supply cords for the electrical feeders.”

[Publications: Publications referenced are available for review at the division. See division web site for information on where to purchase publications.]

Stat. Auth.: ORS 183.325 - 183.410 & 446.003 - 446.285

Stats. Implemented: ORS 446.185

Hist.: New

918-525-0045

Recreational Park Trailer Disclosures

(1) Dealers and distributors shall present each potential buyer of a new **recreational** park trailer **that is over 8-1/2 feet wide** with a ~~Division~~ disclosure statement to read and sign prior to the completion of the sales contract of any new **recreational** park trailer. Prior to presenting disclosures to potential buyers and prior to any sale, dealers and distributors shall complete the disclosure in writing indicating the date, dealer’s or distributor’s name, address and Department of ~~Motor Vehicles~~ **Consumer and Business Services** license number. Dealers and distributors shall give one signed copy of the disclosure to the buyer and retain one signed copy in the dealer’s or distributor’s files for not less than five years from the date of sale. Copies of signed disclosures shall be made available to the Division upon request.

(2) Dealers or distributors may reprint the Division’s disclosure form or include the Division’s disclosure statement within their own sales contract. If a dealer or distributor prints its own disclosure, the content shall be identical to the Division’s disclosure statement and shall have not less than a 10 point type size.

[Disclosure form is available from the division and can be found on the division web site.]

Stat. Auth.: ORS 446.260

Stats. Implemented: ORS 446.260

Hist.: BCD 4-1998, f. 2-10-98, cert. ef. 7-1-98; BCD 29-2000, f. & cert. ef. 12-19-00

918-525-0055

Recreational Park Trailer License Requirements

Persons engaged in the business of installing **recreational** park trailers, accessory structures and accessory buildings are not required to have a Division issued manufactured dwelling installer's license but are required to be licensed by the Construction Contractors Board ~~and comply with all applicable provisions of ORS Chapters 316, 656, 657 and 701.~~ Persons in the business of making on-site electrical or plumbing installations shall be licensed by the Division according to ORS 479.620, 693.030 or 447.060.

Stat. Auth.: ORS 446.185

Stats. Implemented: ORS 446.185

Hist.: BCA 30-1993, f. 12-1-93, cert. ef. 1-1-94; BCD 29-2000, f. & cert. ef. 12-19-00

918-525-0060

Manufacturer's Quality Assurance Manual

(1) Each manufacturer of recreational vehicles seeking certification under ~~ORR 918-525-0080~~ **these rules** shall submit to the Division a manual outlining the quality assurance procedures to be followed at its particular manufacturing facility or facilities. If the quality assurance manual is applicable to more than one manufacturing facility, the manual shall adequately define procedures specific to each facility. The quality assurance manual shall be submitted in duplicate and contain:

- (a) The name and address of the facility in which this quality assurance manual will be used;
- (b) An organizational chart showing the accountability, by position, of the manufacturer's quality assurance personnel;
- (c) A description of production tests, test procedures and test equipment required to determine compliance with this division of rules;
- (d) A station-by-station description of each manufacturing facility's manufacturing process;
- (e) A plant layout showing each stage of the production line;
- (f) A list of quality assurance inspections required by the manufacturing facility at each station;
- (g) Identification, by title, publisher, edition, date and publication number, those codes and standards to be enforced by the manufacturer's quality assurance program; **and**

~~(h) A copy of the manufacturer's owners manual for each recreational vehicle produced under this quality assurance manual; and~~

(i) **(h)** A description of procedures for the receipt, storage and handling of materials and components used in the manufacture of recreational vehicles.

(2) Each manufacturer shall supplement its quality assurance manual following each code change, change in production process or change to any item described in subsections (1)(a) through (i) of this rule and submit the supplement to the Division along with the fees in OAR 918-525-0510 according to section (1) of this rule.

Stat. Auth.: ORS 446.160

Stats. Implemented: ORS 446.160

Hist.: BCA 1-1990, f. & cert. ef. 1-2-90; BCA 30-1993, f. 12-1-93, cert. ef. 1-1-94; BCD 25-1996, f. 11-8-96, cert. ef. 1-1-97; BCD 9-1999, f. 7-14-99, cert. ef. 9-1-99

918-525-0065

Compliance Monitoring of Manufacturers

(1) To maintain consistent compliance with these rules the division:

(a) May inspect recreational vehicles at each facility selling, offering for sale or displaying for sale, the manufacturers products whether for wholesale, retail or consignment.

(b) May inspect recreational vehicles at all manufacturing facilities to evaluate the manufacturer's compliance with the rules adopted by the division.

(2) If the division determines that recreational vehicles produced by the manufacturer consistently fail to conform with the requirements of these rules, the manufacturer's quality assurance program or the preestablished acceptable quality level, the division may:

(a) Post a Notice of Violation on each recreational vehicle which fails to conform in accordance with OAR 918-525-0330;

(b) Remove the Insignia of Compliance from each recreational vehicle which fails to conform in accordance with OAR 918-525-0450(2);

(c) Increase inspections as necessary to assure adequate compliance in accordance with OAR 918-525-0080, 918-525-0310 and 918-525-0320;

(d) Rescind the manufacturer's certification in accordance with OAR 918-525-0080(4); or

(e) Require mandatory division training in accordance with OAR 918-525-0080(5).

(3) Fees for increased inspections or mandatory division training shall be set forth in OAR 918-525-0510 and 918-525-0520.

(4) Dealer lot monitoring inspections are paid through the insignia label fee set forth in OAR 918-525-0510.

Stat. Auth.: ORS 446.160

Stats. Implemented: ORS 446.160

Hist.: BCA 30-1993, f. 12-1-93, cert. ef. 1-1-94; BCD 14-1996(Temp), f. & cert. ef. 7-1-96; BCD 24-1996, f. & cert. ef. 11-8-96; BCD 1-2005, f. & cert. ef. 3-1-05

918-525-0070

Manufacturer Registration

(1) All manufacturers of recreational vehicles shall register with the division if the manufacturer produces or intends to produce two or more recreational vehicles per year that will bear or are required to bear an Oregon insignia of compliance and be offered for sale in Oregon. Manufacturing facility registration shall be renewed by August 1 of each year by submitting an application for renewal to the division, together with the renewal fee specified in OAR 918-525-0510.

(2) Manufacturers not registered or whose registration has expired will not be issued Oregon insignia of approval or receive Oregon plan review and approval or division inspections.

Stat. Auth.: ORS 446.160

Stats. Implemented: ORS 446.160

Hist.: BCA 1-1990, f. & cert. ef. 1-2-90; BCA 30-1993, f. 12-1-93, cert. ef. 1-1-94; BCD 25-1996, f. 11-8-96, cert. ef. 1-1-97; BCD 1-2005, f. & cert. ef. 3-1-05

918-525-0080

Manufacturing Facility Certification

(1) Each recreational vehicle manufacturer placed on a quality assurance system and authorized to use bulk insignia of compliance shall be certified by the division. Manufacturing facilities may be certified by the division if the following criteria are met:

(a) The manufacturer has registered with the division;

(b) The manufacturer has submitted and the division has approved the manufacturer's quality assurance manual;

(c) The manufacturer has division approved plans;

(d) The division has inspected a manufacturer's product and an inspection report has been issued verifying that the manufacturer's product meets the minimum safety standards adopted in OAR 918-525-0040; and

(e) Random units inspected by the division on dealer lots conform to the provisions of OAR 918-525-0065.

(2) The division may inspect a manufacturing facility and verify that facilities ability to follow the procedures outlined in its approved quality assurance manual.

(3) Certification inspections shall be performed at the division's convenience and at the inspection fee rates provided in OAR 918-525-0510.

(4) The division may rescind a manufacturing facility's certification if the division determines that any of the criteria identified in section (1) of this rule are not satisfied. The division shall notify a manufacturer in writing of its intent to decertify a manufacturing facility. The notice shall identify the circumstances and reasons for decertification. If the manufacturer fails to bring the facility into conformance with the requirements of these rules within the time specified by the division, the division may decertify the facility.

(5) As an alternative to decertifying the manufacturing facility, the division may require mandatory division training and increase the frequency of inplant inspections and dealer lot-monitoring. Violations identified on an inplant inspection report or a dealer lot monitoring report shall be corrected prior to the departure of the issuing inspector or a Notice of Violation shall be posted on the recreational vehicle. At the discretion of the issuing inspector, violations may be corrected after the departure of the issuing inspector if a summary of the corrective actions taken is submitted to the division within the time frame specified in OAR 918-525-0330.

~~(6) All certification inspection fees shall be as shown in OAR 918-525-0510(1) through (4).~~

Stat. Auth.: ORS 446.160

Stats. Implemented: ORS 446.160

Hist.: BCA 1-1990, f. & cert. ef. 1-2-90; BCA 30-1993, f. 12-1-93, cert. ef. 1-1-94; BCD 1-2005, f. & cert. ef. 3-1-05

918-525-0090

Change of Ownership

(1) If there is a change in the ownership of a recreational vehicle manufacturer or repair operation, the new owner shall register with the Division within ten days of the date of change according to OAR 918-525-0070.

(2) If the new owner intends to operate according to the current approved quality assurance manual, the new owner shall indicate their intent in the written notice of change of ownership.

(3) If the new owner does not intend to operate under the current approved quality assurance manual, the new owner shall submit to the Division a new quality assurance manual within 30 days of the change in ownership when required by OAR 918-525-0060 or 918-525-0150.

Stat. Auth.: ORS 446.160

Stats. Implemented: ORS 446.160

Hist.: BCA 1-1990, f. & cert. ef. 1-2-90; BCA 30-1993, f. 12-1-93, cert. ef. 1-1-94; BCD 25-1996, f. 11-8-96, cert. ef. 1-1-97

918-525-0100

Change of Name or Address

When a manufacturer or repair operation changes its name, address or location, the manufacturer or repair operation shall notify the Division in writing within ten days of the date of change. The notice shall be accompanied by an Application for Manufacturer Registration Form, together with the fee required by OAR 918-525-0510.

Stat. Auth.: ORS 446.160

Stats. Implemented: ORS 446.160

Hist.: BCA 1-1990, f. & cert. ef. 1-2-90; BCA 30-1993, f. 12-1-93, cert. ef. 1-1-94; BCD 25-1996, f. 11-8-96, cert. ef. 1-1-97

918-525-0110

Vehicle Identification

~~(1) Recreational vehicles offered for sale in Oregon shall bear an identifying serial number.~~

~~(2) The serial number shall be in a visible location approved by the Division and shall be applied during the first stage of production.~~

Stat. Auth.: ORS 466

Stats. Implemented: ORS 446.170

Hist.: BCA 1-1990, f. & cert. ef. 1-2-90; BCA 30-1993, f. 12-1-93, cert. ef. 1-1-94

Repair Operations

918-525-0120

Repair Operation Requirements

(1) Each repair operation shall assure that alterations, **repairs or** conversions of or to recreational vehicles or recreational vehicle equipment regulated by the Division are made according to the standards adopted by the Division in ~~OAR 918-525-0040~~ and are inspected according to the following. Each regulated recreational vehicle alteration, repair or conversion is inspected by:

(a) The Division; or

(b) A Division-approved quality assurance technician in a registered and certified repair operation monitored by the Division according to ~~OAR 918-525-0130, 918-525-0140, and 918-525-0160.~~

(2) Each recreational vehicle which has been altered, repaired or converted shall bear an insignia of compliance issued by the Division according to ~~OAR 918-525-0430.~~

Stat. Auth.: ORS 446.160

Stats. Implemented: ORS 446.160

Hist.: BCD 25-1996, f. 11-8-96, cert. ef. 1-1-97

918-525-0130

Repair Operation Registration

(1) All repair operations shall register with the Division each facility or operation which performs Division-regulated alterations, **repairs or** conversions of or to recreational vehicles and recreational vehicle equipment. Repair operation registration shall be renewed by July 31 of each year by submitting an application for **a renewal registration application** to the Division, ~~together with the renewal fee specified in OAR 918-525-0510~~ **and paying the renewal fee.**

(2) Repair operations not registered or whose registration has expired will not receive inspections or be issued Oregon insignia of compliance from the Division.

Stat. Auth.: ORS 446.160

Stats. Implemented: ORS 446.160

Hist.: BCD 25-1996, f. 11-8-96, cert. ef. 1-1-97

918-525-0140

Repair Operation Certification and Technician Approval

(1) Repair operations may be certified by the Division and issued bulk insignia of compliance if the repair operation had:

(a) Registered with the Division;

(b) Employed one or more quality assurance technicians approved by the Division according to these rules; and

(c) Submitted, and the Division has approved, the repair operation's quality assurance manual according to OAR 918-525-0150.

(2) A person wishing to be approved by the Division as a quality assurance technician shall successfully complete a Division-approved training class.

(3) Random unannounced monitoring inspections shall be performed by the Division to confirm alterations, repairs or conversions are being made in compliance with the codes and standards adopted in OAR 918-525-0040 and the approved quality assurance manual.

Stat. Auth.: ORS 446.160

Stats. Implemented: ORS 446.160

Hist.: BCD 25-1996, f. 11-8-96, cert. ef. 1-1-97

918-525-0150

Repair Operation's Quality Assurance Manual

(1) Each repair operation seeking certification under these rules shall submit to the Division a manual outlining the quality assurance procedures to be followed at its particular repair operation. If the quality assurance manual is applicable to more than one location, the manual shall adequately define procedures specific to each location. The quality assurance manual shall be submitted in duplicate and contain a minimum of the following information:

(a) The name and address of each repair operation in which this quality assurance manual will be used;

(b) Identification of the owners/operators of the repair operation;

(c) Identification of the quality assurance technician(s) approved by the Division to oversee the repair operation's quality assurance program;

(d) A description of quality assurance procedures used to determine the operation's ability to comply with the Division's rules, codes and standards;

(e) A list of quality assurance inspections used by the repair operation to verify compliance with the codes, standards and this division of rules; and

(f) A description of all tests and testing methods used to verify compliance with the codes, standards and this Division of rules.

(2) Each repair operation shall supplement its quality assurance manual to reflect applicable changes in the code, quality assurance process, or any item described in subsections (1)(a) through (f) of this rule and submit the supplement to the Division within ten days of the change along with the required fees in OAR 918-525-0510 according to section (1) of this rule.

Stat. Auth.: ORS 446.160

Stats. Implemented: ORS 446.160

Hist.: BCD 25-1996, f. 11-8-96, cert. ef. 1-1-97

918-525-0160

Compliance Monitoring of Repair Operations

(1) To assure consistent compliance with the Division's rules, codes and standards adopted in OAR 919-525-0040 and the certified repair operation's quality assurance manual, the Division shall:

(a) **May** inspect recreational vehicles at all certified repair operations ~~not less than once each year~~;

(b) **Shall** evaluate the certified repair operation's compliance with the rules adopted by the Division; and

(c) **Shall** evaluate the effectiveness of the certified repair operation's quality assurance program and compliance to its approved quality assurance manual.

(2) A Division inspector shall post a Notice of Violation if violations identified during a monitoring inspection are not corrected prior to the inspector's departure. The inspector may allow violations to be corrected after the inspector's departure if the repair operation submits to the Division a summary of the corrective action taken within 20 days.

Stat. Auth.: ORS 446.160

Stats. Implemented: ORS 446.160

918-525-0170

Repair Operation Compliance Procedures

(1) If the Division determines a certified repair operation or the recreational vehicles altered, repaired or converted by a certified repair operation consistently fail to conform with the requirements of this division of rules, the codes or standards adopted in OAR 918-525-0040 or the certified repair operation's quality assurance program, the Division may:

(a) Post a Notice of Violation on each recreational vehicle which fails to conform according to OAR 918-525-0330;

(b) Remove the Insignia of Compliance from each recreational vehicle which fails to conform according to OAR 918-525-0450(2);

(c) Increase Inspections as necessary to assure adequate compliance in accordance with OAR 918-525-0150, 918-525-0310, and 918-525-0320; or

(d) Decertify the facility according to section (2) of this rule if the repair operation fails to bring the facility into conformance with the requirements of these rules within the time specified by the Division.

(2) If the Division determines the repair operation consistently fails to comply with this division of rules, the codes or standards adopted in OAR 918-525-0040 or the repair operation's approved quality assurance manual the Division may revoke or suspend a repair operation's certification for up to one year.

(a) The Division shall notify a repair operation in writing of its intent to revoke or suspend the repair operation's certification.

(b) The notice shall identify the circumstances and reasons for the revocation or suspension.

(c) The repair operation may continue to operate during the revocation or suspension period if inspections are performed by the Division according to OAR 918-525-0120(1)(a) and 918-525-0320.

(d) As an alternative to revoking or suspending a repair operation's certification, the Division may require mandatory Division approved training and increase the frequency of monitoring inspections until such time that the Division is satisfied with the performance of the repair operation.

(3) The Division may charge fees for increased inspections or training according to OAR 918-525-0510 and 918-525-0520.

Stat. Auth.: ORS 446.160
Stats. Implemented: ORS 446.160
Hist.: BCD 25-1996, f. 11-8-96, cert. ef. 1-1-97

Plans and Specifications

918-525-0210

General — Plans and Specifications

(1) All persons engaged in the manufacture of two or more recreational vehicles requiring an Oregon insignia of compliance, shall apply to the Division for plan approval prior to construction. The application shall be submitted in duplicate on forms supplied by the Division and shall include:

- (a) Two copies of complete plans as required by OAR 918-525-0220; and
- (b) The fees as provided in OAR 918-525-0510.

(2) The Division may provide visual inspections of each individual recreational vehicle in lieu of the required plan review.

(3) Persons intending to construct or install an accessory building or accessory structure shall have approved plans from the ~~authority having jurisdiction~~ **building official** prior to construction or installation. Plans shall be submitted according to the ~~Oregon One and Two Family Dwelling Residential Specialty Code~~ **Oregon One and Two Family Dwelling Residential Specialty Code** as adopted by OAR 918, division 480.

[Publications: Publications referenced are available ~~from the agency~~ **for review at the division.**]

Stat. Auth.: ORS 446
Stats. Implemented: ORS 446.160
Hist.: BCA 1-1990, f. & cert. ef. 1-2-90; BCA 30-1993, f. 12-1-93, cert. ef. 1-1-94; BCD 29-2000, f. & cert. ef. 12-19-00

918-525-0220

Plan Approval Recreational Vehicle and Recreational Park Trailer Plan Requirements

(1) Plans submitted to the division shall indicate the nature and extent of the work proposed and all options. Plans shall meet the following requirements.

(2) General: Plans shall be on substantial paper or cloth, be a minimum of 8-1/2 x 11 inches but not exceed 17 x 22 inches, and shall show at least the following:

(a) Fire and Life Safety:

(A) Floor plan and all design options drawn to scale showing all window sizes, exit locations, the gross floor area and egress requirements;

(B) Design and proposed use of each room, space and area, including lofts;

~~(C) Fire separation walls when required;~~

~~(D)~~ **(C)** Location of required smoke detector, carbon monoxide detector and liquefied petroleum gas (LPG) detector;

~~(E)~~ **(D)** Fire extinguisher location;

~~(F)~~ **(E)** Locations of drain, water, gas and electrical supply connections; and

~~(G)~~ **(F)** Exterior elevations indicating all vehicle fuel filler locations, all appliance combustion air inlets, engine exhaust locations and LPG discharges.

(b) Mechanical:

(A) Location of all appliances and fixtures;

(B) Description of all materials, appliances, fittings, pipe, tubing, vents and ducts;

(C) Schematics of all piping system designs;

(D) Maximum developed length of fuel piping required;

(E) Maximum Btuh input rating of all fuel-burning appliances;

(F) Source of combustion air for each appliance;

(G) Size of openings for combustion air, except an integral part of an approved appliance;

(H) Types of fuels used;

(I) Diameter, length, and type of pipe and tubing;

(J) Capacity and location of liquid fuel tanks and LPG cylinders;

(K) Size, location, and construction of fuel storage compartments;

(L) Location of fuel piping indicating protection for concealed tubing;

(M) Clearances between range burners and combustible materials and methods of protection where required;

(N) Size, length, type and location of vents and vent connectors;

(O) Details showing the design and construction of air supply and return systems including type, width, and gauge of warm air ducts and size of openings for return circulating air duct insulation specified when required; and

(P) Size and location of circulating air supply inlet.

(c) Electrical:

(A) Floor plan indicating location of all electrical receptacles, appliances and equipment;

(B) Type and rating of all appliances, fixtures, wire, cable fittings, panels and equipment;

(C) Specifications of power supply assembly;

(D) Number of circuits;

(E) Number and location of outlets on each circuit;

(F) Number of fixtures;

(G) Number of fixed appliances;

(H) Conductor sizes;

(I) Voltage;

(J) Method of grounding all exposed noncurrent carrying metal parts of the vehicle;

(K) Method of grounding appliances;

(L) Location of distribution panel and minimum working space; and

(M) Method of neutral conductor isolation.

(d) Plumbing:

(A) Description of all materials, fixtures, fittings, pipe tubing, shower stalls and walls, including applicable listings;

(B) Diameter and type of pipe and tubing;

(C) Size and type of fittings;

(D) Diagram of potable water supply system, waste, vent and drain system; and

(E) Diagram of holding tank flushing systems.

(3) In addition to the plans identified in Sections (1) and (2) of this rule, manufacturers of **recreational** park trailers exceeding 8-1/2 feet (~~2.59 meters~~) wide in the travel mode shall submit two sets of structural plans to the division according to the requirements of this rule. Structural plans shall be on substantial paper or cloth, be a minimum of 8-1/2 x 11 inches but not exceed 17 x 22 inches, and shall show at least the following:

(a) If a **recreational** park trailer is being built to the prescriptive methods of **Chapter 5** of **ANSI A119.5-1998**, a cross sectional drawing of the **recreational** park trailer shall be submitted to the division ~~with each floor plan including~~ **and shall include** the following:

- (A) The size, species and grade of floor joists, exterior wall studs and roof rafters;
- (B) When applicable, the name of the truss manufacturer and truss listing agency;
- (C) The type, thickness and span index of all floor, wall and roof sheathing;
- (D) Structural connections between the chassis, floor, walls and roof;
- (E) Lofts or attic storage areas;
- (F) Size and design of steel chassis frame; and
- (G) Method and location of provisions for attachment of anchoring systems.

(b) If a **recreational** park trailer is being built to an alternate method or using alternate materials according to **Chapter 5, Subsection 5-1.2** of **ANSI A119.5-1998**, structural plans shall be submitted to the division which shall include:

(A) Structural analysis, calculations, reports, test data and other accepted engineering practices used by the manufacturer to validate the design conforms with **Chapter 5, Section 5-3** of **ANSI A119.5-1998**;

(B) A cross-sectional drawing of the **recreational** park trailer as described in subsection (a) of this section;

(C) Construction drawings showing structural framing details and layouts of frames, floors, walls, roofs and chassis; and

(D) Specifications of all material used in the construction of the **recreational** park trailer.

(c) One set of the approved structural plans required by Subsection (a) or (b) of this section shall be filed with the division and one set shall be kept on file and made available to the inspector at each manufacturing facility using that design.

[Publications: Publications referenced are available ~~from the agency~~ **for review at the division.**]

Stat. Auth.: ORS 446.160

Stats. Implemented: ORS 446.160

Hist.: BCA 1-1990, f. & cert. ef. 1-2-90; BCA 30-1993, f. 12-1-93, cert. ef. 1-1-94; BCD 25-1996, f. 11-8-96, cert. ef. 1-1-97; BCD 11-1997, f. 7-23-97, cert. ef. 1-1-98; BCD 22-1998, f. 11-9-98, cert. ef. 1-1-99

918-525-0240

Nonconforming Application and Plans

(1) If an application or plans submitted to the Division do not conform with the requirements of these rules the Division shall send a written notice within 20 working days of the date the application or plans were determined by the Division to be nonconforming. The notice shall identify all deficiencies requiring correction.

(2) If an applicant fails to submit a completely corrected application and plans within 30 days of the date of the notice, the application shall be considered abandoned and all fees submitted shall be forfeited to the Division. If abandoned, the applicant may reapply and submit the appropriate fees as provided in OAR 918-525-0510.

(3) Minor application and/or plan discrepancies may be corrected by and at the discretion of the Division at the time of review.

Stat. Auth.: ORS 446

Stats. Implemented: ORS 446.160

Hist.: BCA 1-1990, f. & cert. ef. 1-2-90; BCA 30-1993, f. 12-1-93, cert. ef. 1-1-94

918-525-0250

Evidence of Division Approval

(1) One copy of division approved plans and specifications will be returned to the manufacturer. An approved copy shall be retained by the manufacturer and be made available for use during the division inspection.

(2) Approved plans and specifications shall be stamped, signed and dated by the division.

(3) Misuse or unauthorized reproduction of a division approval stamp is grounds for decertification of a manufacturer under OAR 918-525-0080(4).

Stat. Auth.: ORS 446

Stats. Implemented: ORS 446.160

Hist.: BCA 1-1990, f. & cert. ef. 1-2-90; BCA 30-1993, f. 12-1-93, cert. ef. 1-1-94; BCD 1-2005, f. & cert. ef. 3-1-05

918-525-0260

Plan Approval Expiration and Renewal

(1) Recreational vehicle plan approvals expire **without notice** 12 months from the date of Division approval.

(2) Plan approval shall be renewed prior to the expiration date by submission of a Division Plan Approval Renewal Application Form in duplicate accompanied by fees as shown in OAR 918-525-0510. Plans shall not be submitted with plan approval renewal applications.

(3) Except for a change in model name or designation, no change or modification may be made in plans when plan renewal is filed.

(4) Expired plans may be resubmitted per OAR 918-525-0210 and 918-525-0220.

Stat. Auth.: ORS 446

Stats. Implemented: ORS 446.160

Hist.: BCA 1-1990, f. & cert. ef. 1-2-90; BCA 30-1993, f. 12-1-93, cert. ef. 1-1-94

918-525-0270

Model Name Change and Model Supplement

A manufacturer may revise or modify an existing approved plan by submitting, in duplicate, to the Division, a plan approval supplement application, revised or modified plans per OAR 918-525-0210, along with the fees set by OAR 918-525-0510, prior to the expiration date of the existing plan.

Stat. Auth.: ORS 446.185

Stats. Implemented: ORS 446.185

Hist.: BCA 30-1993, f. 12-1-93, cert. ef. 1-1-94

Inspections

918-525-0310

Required Inspections

(1) Any person manufacturing, selling, renting, leasing, or offering for sale, rent or lease any recreational vehicle within the State of Oregon must request that the Division perform an inspection and attach an Oregon insignia of compliance if any of the following conditions exist:

(a) A newly manufactured recreational vehicle which does not bear an Oregon insignia of compliance;

(b) The recreational vehicle bears an Oregon insignia of compliance, but has been subject to an alteration, conversion, or repair;

(c) The recreational vehicle has left the manufacturer's, distributor's or dealer's facility with a "Notice of Violation" or "Red Tag"; or

(d) An in-plant inspection or dealer lot report indicates violations have not been corrected through the normal inspection process.

(2) The Division is not obligated to provide recreational vehicle inspections when the recreational vehicles are:

(a) Previously lawfully registered and titled by any state department of motor vehicles within the United States;

(b) Previously issued an ownership document by the Division, under ORS 446.571, or recorded in the deed records of a county, under ORS 446.626;

(c) Exempt from registration, title, or ownership document requirements because of United States government ownership;

(d) Manufactured in Oregon, but designated by the manufacturer as an out-of-state delivery, and delivered by the manufacturer or its agent to a purchaser in another state;

(e) Manufactured out-of-state, and not destined for an Oregon purchaser, but may be passing through Oregon to its out-of-state destination;

(f) Inspected by certified manufacturers at the manufacturing facilities; or

(g) Inspected by certified quality assurance technicians at the times and places of the alterations, repairs, or conversions.

(4) Any person installing a **recreational** park trailer over 8-1/2 feet wide in the travel mode or an earthquake-resistant bracing system on a **recreational** park trailer must request an inspection by the ~~authority having jurisdiction~~ **building official**.

(5) Any person constructing or installing an accessory building or accessory structure must request all required inspections from the ~~authority having jurisdiction~~ **building official**.

(6) Division Inspection fees are as provided in OAR 918-525-0510.

Stat. Auth.: ORS 446.160

Stats. Implemented: ORS 446.160, 2005 OL, Ch. 89

Hist.: BCA 1-1990, f. & cert. ef. 1-2-90; BCA 30-1993, f. 12-1-93, cert. ef. 1-1-94; BCD 25-1996, f. 11-8-96, cert. ef. 1-1-97; BCD 9-1999, f. 7-14-99, cert. ef. 9-1-99; BCD 29-2000, f. & cert. ef. 12-19-00; BCD 28-2005, f. 12-30-05, cert. ef. 1-1-06

918-525-0320

Inspection and Approval

(1) Any person, other than a certified manufacturer manufacturing and offering for sale a recreational vehicle within the state of Oregon shall request Division inspection and approval of each vehicle according to these rules.

(2) Any person, other than a certified repair operation, who performs regulated repairs on a recreational vehicle within the state of Oregon shall request a Division inspection and approval of each vehicle according to these rules.

(3) A request for inspection shall:

(a) Be made on forms supplied by the Division, and received by the Division at least five working days prior to the desired date of inspection; and

(b) Indicate the location, make, model and serial number of the vehicle.

(4) Fees shall be as established in OAR 918-525-0510 and 918-525-0520 and are payable upon completion of each inspection.

(5) All work involving alteration, repair or installation shall be accessible for inspection.

Stat. Auth.: ORS 446.160

Stats. Implemented: ORS 446.160

Hist.: BCA 1-1990, f. & cert. ef. 1-2-90; BCA 30-1993, f. 12-1-93, cert. ef. 1-1-94; BCD 25-1996, f. 11-8-96, cert. ef. 1-1-97

918-525-0325

Inspection of Prototype Models

A manufacturer of recreational vehicles may build a prototype model prior to plan approval under the following conditions:

(1) Prior to beginning construction, the manufacturer shall notify the Division and request an inspection. The inspection may be made during or upon completion of the vehicle.

(2) The number of prototype models to be built prior to plan approval shall be approved in advance by the Division.

(3) Prototype models may only be constructed at manufacturing facilities that have been registered and certified under OAR 918-525-0070 and 918-525-0080.

Stat. Auth.: ORS 446.160

Stats. Implemented: ORS 446.160

Hist.: BCA 1-1990, f. & cert. ef. 1-2-90; BCA 30-1993, f. 12-1-93, cert. ef. 1-1-94; BCD 25-1996, f. 11-8-96, cert. ef. 1-1-97

918-525-0330

Notice of Violation

(1) When an inspection reveals that a recreational vehicle, the equipment or installation violates any provision of the statutes or administrative rules, the Division shall serve upon the renter, lessor, seller, distributor, owner, repair operation, manufacturer or agent thereof a copy of the inspection report giving details of the violations. The Division may also post a Notice of Violation on the recreational vehicle, equipment or installations.

(2) Violations shall be corrected within 20 days from the date of such notice or at a later date if approved by the Division.

(3) If the violations are not corrected in the allotted time, the Division may withdraw any previously issued insignia of compliance.

(4) The recipient of a Notice of violation shall inform the Division in writing within 20 days of the date of the notice of the action taken to correct the violations. A recreational vehicle, equipment or installation subject to a Notice of Violation shall not be moved without Division approval.

(5) When a Notice of Violation has been posted on the recreational vehicle, equipment or installation such notice shall not be removed until authorized by the Division. A Notice of Violation may only be removed by Division representatives or a person specifically authorized by the Division. A recreational vehicle or equipment posted with a Notice of Violation shall not be displayed or offered for sale, rent or lease.

Stat. Auth.: ORS 446.160

Stats. Implemented: ORS 446.160

Hist.: BCA 1-1990, f. & cert. ef. 1-2-90; BCA 30-1993, f. 12-1-93, cert. ef. 1-1-94; BCD 25-1996, f. 11-8-96, cert. ef. 1-1-97

918-525-0350

Alteration, Conversion and Repair

(1) Alterations, conversions or repairs of thermal, fire and life safety, plumbing, mechanical or electrical equipment installations on a recreational vehicle bearing an Oregon insignia, without the required inspections will void the insignia. Insignias on recreational vehicles damaged beyond repair shall be returned to or appropriated by the Division.

(2) The following shall not constitute an alteration, conversion or repair:

- (a) Minor repairs with approved component parts as defined in OAR 918-525-0005;
- (b) Conversion of listed fuel-burning appliances in accordance with the terms of their listing;
- (c) Adjustment and maintenance of equipment as defined in OAR 918-525-0005;
- (d) Replacement of equipment or accessories in kind as defined in 918-525-0005; or
- (e) Installation of option ready appliances, equipment or accessories where pre-plumbing or wiring was provided by the manufacturer.

(3) Repairs to damaged recreational vehicles shall conform to the following:

(a) Repairs to a recreational vehicle made before or at the time of sale to the first consumer shall conform to the Division's standards in effect at the time the repairs are performed; and

(b) All repairs to a recreational vehicle after the initial sale to the first consumer shall conform to the Division's standards in effect at the time of original construction.

(4) Unaltered used recreational vehicles, when required, shall conform to the Division's standards in effect at the time of original manufacture and may be verified by the Division through a visual inspection.

(5) Alterations performed on a recreational vehicle by the manufacturer, repair operation or dealer shall conform to the Division's standards in effect at the time of the alteration.

Stat. Auth.: ORS 446.160

Stats. Implemented: ORS 446.160

Hist.: BCA 1-1990, f. & cert. ef. 1-2-90; BCA 30-1993, f. 12-1-93, cert. ef. 1-1-94; BCD 25-1996, f. 11-8-96, cert. ef. 1-1-97

918-525-0360

Field Technical Service

The Division may provide Field Technical Service when requested in writing and accompanied by the fees set by OAR 918-525-0510.

Stat. Auth.: ORS 446

Stats. Implemented: ORS 446.160

Hist.: BCA 1-1990, f. & cert. ef. 1-2-90; BCA 30-1993, f. 12-1-93, cert. ef. 1-1-94

918-525-0370

Permit Requirements

~~(1) No person shall alter, convert or repair a recreational vehicle without first obtaining an inspection from the Division except for:~~

~~(a) Those repairs, conversions or alterations that are exempted by OAR 918-525-0350; or~~

~~(b) Those repairs, conversions or alterations performed by a certified repair operation.~~

~~(2) (1) No person shall install a **recreational** park trailer over 8-1/2 feet wide in the travel mode without first obtaining an installation permit from the authority having jurisdiction **building official**.~~

~~(3) (2) No person shall construct or install an accessory building or accessory structure without first obtaining all required permits and approvals from the authority having jurisdiction **building official**. The local authority having jurisdiction **building official** may require compliance with planning, zoning, health, sanitation, flood plain, sewage disposal, fire mitigation and accessibility regulations prior to issuing permits or approvals.~~

~~(4) (3) The permit application for the construction, alteration or repair shall be accompanied by:~~

~~(a) Construction plans and specifications that meet all or part of the requirements of OAR 918-525-0220, if required by the Division; and~~

~~(b) Permit or inspection fees as set by OAR 918-525-0510.~~

~~(5) (4) Permit applications and permit fees for the construction of accessory buildings, accessory structures or any other site-built construction shall be according to those regulations adopted by the authority having jurisdiction **building official**.~~

~~(6) (5) Every permit issued under these rules shall expire by limitation and become null and void if the work authorized by the permit is not started within 180 days from the date the permit is issued, or if the work authorized by the permit is suspended or abandoned for a period of 180~~

days at any time after the work is started. A new permit shall be obtained before any work is resumed.

Stat. Auth.: ORS 446.185

Stats. Implemented: ORS 446.160

Hist.: BCA 30-1993, f. 12-1-93, cert. ef. 1-1-94; BCD 25-1996, f. 11-8-96, cert. ef. 1-1-97; BCD 9-1999, f. 7-14-99, cert. ef. 9-1-99; BCD 10-2000(Temp), f. 6-21-00, cert. ef. 6-23-00 thru 12-19-00; BCD 29-2000, f. & cert. ef. 12-19-00

Insignia of Compliance

918-525-0410

Procedure for Attaching Insignia

(1) An Oregon insignia of compliance must be securely attached to a specific recreational vehicle in the following manner:

(a) When a recreational vehicle is manufactured, the division, or a certified manufacturer, must attach the Oregon insignia of compliance to the outside surface of the exterior wall near the main entrance door, and placed 12 to 36 inches above the finished floor line; or

(b) When a recreational vehicle is altered, repaired, or converted, the division, or a ~~certified~~ **an approved** quality assurance technician, must attach the Oregon insignia of compliance in an accessible location on or near the alteration, repair or conversion.

(2) Oregon insignias of compliance may only be attached to recreational vehicles by a Division inspector, a ~~certified~~ **an approved** quality assurance technician at the time and place of alteration, repair or conversion, or a certified manufacturer at the manufacturing facility, or elsewhere if approved by the Division.

(3) **Recreational** park trailers ~~vehicles greater than 320 square feet, but less than 400 square feet,~~ may be dual labeled by the manufacturer as both a **recreational** park trailer ~~recreational vehicle,~~ and a manufactured home if the manufacturer meets all the requirements of OAR chapter 918, divisions 500 and 525. Where the requirements for **recreational** park trailer ~~recreational vehicles~~ and manufactured homes are different, the more stringent of the two requirements apply.

Stat. Auth.: ORS 446.160

Stats. Implemented: ORS 446.160

Hist.: BCA 1-1990, f. & cert. ef. 1-2-90; BCA 30-1993, f. 12-1-93, cert. ef. 1-1-94; BCD 25-1996, f. 11-8-96, cert. ef. 1-1-97; BCD 28-2005, f. 12-30-05, cert. ef. 1-1-06

918-525-0420

Enforcement Actions for Non-Compliance

- (1) Oregon insignias of compliance are non-transferable.
- (2) Oregon insignias of compliance remain the property of the division, and may be withdrawn from a manufacturer, distributor, dealer, converter, installer, or any individual or business for any violation of these rules, or rules adopted by the division.
- (3) Oregon insignias of compliance and repair operation insignias are not interchangeable.

Stat. Auth.: ORS 446.160

Stats. Implemented: ORS 446.160

Hist.: BCA 1-1990, f. & cert. ef. 1-2-90; BCA 30-1993, f. 12-1-93, cert. ef. 1-1-94; BCD 25-1996, f. 11-8-96, cert. ef. 1-1-97; BCD 28-2005, f. 12-30-05, cert. ef. 1-1-06

918-525-0430

Application For Insignia

- (1) Following registration, any required plan approvals and certification, recreational vehicle manufacturers and repair operations shall apply for insignias for each recreational vehicle, except as provided in OAR 918-525-0420. An Insignia Label Request shall be submitted to the Division in duplicate, together with appropriate insignia fees set by OAR 918-525-0510.
- (2) Each certified recreational vehicle manufacturing facility shall submit to the Division, by the tenth day of each month, a Monthly Insignia Report for the preceding month showing:
 - (a) The name of the manufacturer;
 - (b) The location of the manufacturer's facility;
 - (c) The plant identification number;
 - (d) Insignia numbers;
 - (e) Serial numbers;
 - (f) Plan approval numbers;
 - (g) Makes and models;
 - (h) Dates of manufacture; and
 - (i) Destinations.

(3) Insignias may be requested in bulk as long as the number of insignias is not more than the manufacturer or repair operation would reasonably expect to use in one month.

(4) Individuals, non-certified repair operations or non-certified manufacturers shall apply for insignias for each recreational vehicle at the time the inspection is requested, except as provided in OAR 918-525-0420. An Insignia Label Request shall be submitted to the Division in duplicate, together with appropriate insignia fees set by OAR 918-525-0510.

Stat. Auth.: ORS 446.160

Stats. Implemented: ORS 446.160

Hist.: BCA 1-1990, f. & cert. ef. 1-2-90; BCA 30-1993, f. 12-1-93, cert. ef. 1-1-94; BCD 25-1996, f. 11-8-96, cert. ef. 1-1-97

918-525-0440

Denial of Insignia

(1) Bulk insignia requests may be denied or bulk insignias withdrawn if:

(a) The applicable plan approvals have not been acquired per OAR 918-525-0210;

(b) A recreational vehicle manufacturer or repair operation is not registered with the Division as required in OAR 918-525-0070 or 918-525-0130;

(c) A recreational vehicle manufacturing facility is not certified according to OAR 918-525-0080 or 918-525-0140;

(d) A Monthly Insignia Report is delinquent per OAR 918-525-0430(2);

(e) Through in-plant and/or dealer lot monitoring, the Division determines a recreational vehicle manufacturer is not manufacturing recreational vehicles according to the approved quality assurance manual or any other provisions of these rules; or

(f) Through a monitoring inspection, the Division determines a recreational vehicle repair operation is not performing alterations, repairs or conversions according to the approved quality assurance manual or any other provision of these rules.

(2) Individual insignia requests may be denied if:

(a) The recreational vehicle does not conform to the requirements of ORS Chapter 446, codes, standards or these rules;

(b) The recreational vehicle manufacturer is not registered and certified with the Division as required in OAR 918-525-0070; or

(c) The recreational vehicle repair operation is not registered and certified with the Division as required in OAR 918-525-0130.

Stat. Auth.: ORS 446.160

Stats. Implemented: ORS 446.160

Hist.: BCA 1-1990, f. & cert. ef. 1-2-90; BCA 30-1993, f. 12-1-93, cert. ef. 1-1-94; BCD 25-1996, f. 11-8-96, cert. ef. 1-1-97; BCD 9-1999, f. 7-14-99, cert. ef. 9-1-99

918-525-0450

Insignia Removal

(1) When a registered and certified recreational vehicle manufacturer or repair operation discontinues operations, it shall notify the division, in writing within ten days of the facility closure and return all unused insignias.

(2) The division may remove an insignia from a recreational vehicle if the vehicle, equipment or installation violates any provision of OAR 918, division 525 or ORS Chapter 446. The division shall notify the vehicle owner in writing of the violations. The division shall reissue an insignia when the violations are corrected and the vehicle passes an inspection under OAR 918-525-0330.

(3) An insignia of compliance shall be removed and returned to the division by the ~~local authority having jurisdiction~~ **building official** when a recreational vehicle is converted to another occupancy or use. This does not waive the owner's responsibility to conform to other state or local requirements for the new occupancy or use.

(4) An insignia of compliance shall be removed and returned to the division when a recreational vehicle is attached to a permanent foundation. This does not waive the owner's responsibility to bring the recreational vehicle into conformance with the applicable Oregon Specialty Codes.

Stat. Auth.: ORS 446.160

Stats. Implemented: ORS 446.160

Hist.: BCA 1-1990, f. & cert. ef. 1-2-90; BCA 30-1993, f. 12-1-93, cert. ef. 1-1-94; BCD 25-1996, f. 11-8-96, cert. ef. 1-1-97; BCD 9-1999, f. 7-14-99, cert. ef. 9-1-99; BCD 1-2005, f. & cert. ef. 3-1-05

918-525-0460

Lost or Damaged Insignia

(1) When an insignia of compliance is lost or damaged, the owner shall notify the Division immediately in writing specifying the name of the manufacturer, the vehicle's serial number, and if possible, the insignia number and approximate date of manufacture.

(2) All damaged insignia shall be promptly returned to the Division. Damaged or lost insignias may be replaced by the Division. A replacement insignia shall be requested on an Insignia Request Application Form accompanied by the appropriate fees as set in OAR 918-525-0510.

(3) A replacement insignia may be requested only after a visual inspection indicates the recreational vehicle meets the requirements of these rules.

Stat. Auth.: ORS 446.160

Stats. Implemented: ORS 446.160

Hist.: BCA 1-1990, f. & cert. ef. 1-2-90; BCA 30-1993, f. 12-1-93, cert. ef. 1-1-94; BCD 25-1996, f. 11-8-96, cert. ef. 1-1-97

Fees

918-525-0510

Fees

The following fees apply to the division only and do not apply to municipalities.

(1) Inspection Fee:

(a) \$45 for an inspection requiring one hour or less;

(b) \$22.50 for every 30 minutes or fraction exceeding one hour, including travel time and mileage; and

(c) Mileage shall be paid at the rate established by the Oregon Department of Administrative Services.

(2) Field Technical Service Fee:

(a) \$45 for service requiring one hour or less;

(b) \$22.50 for every 30 minutes or fraction exceeding one hour, including travel time and mileage; and

(c) Mileage shall be paid at the rate established by the Oregon Department of Administrative Services.

(3) Out-of-State Inspection or Field Technical Service Fee: In addition to the hourly charges of subsections (a) and (b) of this section, the division shall be reimbursed for actual cost based on published air fare and/or equivalent, plus necessary surface transportation and cost for food and lodging consistent with the allowances established by the Oregon Department of Administrative Services for authorized state employee travel.

(4) Reinspection Fee: Same fee schedule as noted in sections (1), (2), and (3) of this rule.

(5) Quality Assurance Manual Fee: \$30 for initial review of manuals and \$20 for review of manual supplements. This fee includes the initial issuance of five insignia to certified repair operations.

(6) Plan Renewal Fee: \$15 for administrative costs of renewing plans.

(7) Plan Supplement Fee: Same fee schedule as noted in sections (13) through (18) of this rule.

(8) Change of Name, ownership or Address Fee: \$20 for each change.

(9) Insignia Label Fee: \$25 per insignia for manufacturers and \$5 for a lot of five insignias for repair operations.

(10) Replacement Insignia Fee: \$25 per insignia for manufacturers and \$5 for a lot of five insignias for repair operations.

(11) Registration Fee: \$25 per manufacturer or operation.

(12) Annual Registration Renewal Fee: \$20 per manufacturer or operation.

(13) Plan Filing Fee: \$10 for each submittal.

(14) Plan Approval Model Fee: \$15.

(15) Plumbing Supplement Fees:

(a) Drain, waste and Vent: \$20 for each plan submitted;

(b) Potable Water: \$10 for each plan submitted.

(16) Electrical Supplement Fees:

(a) 12 Volt: \$20 for each plan submitted;

(b) 120 to 240 Volt: \$20 for each plan submitted;

(c) Generator: \$10 for each plan submitted.

(17) Mechanical Supplement Fee: \$10 for each plan submitted.

(18) Model Floor Plan Supplement Fee: \$15 for each plan submitted and \$5 for each model number supplement.

(19) Design Option, Plan Approval Model, or Number Change Fee: \$20.

(20) Recreational Vehicle Visual Inspection Fee: \$30. This fee includes the insignia label, one initial inspection and one reinspection.

(21) Recreational Vehicle Alteration Permit Fee: \$30. This fee includes one initial inspection and one reinspection.

(22) Permit Reinspection Fee: \$25.

(23) **Recreational** Park Trailer Installation Fee: \$105 per installation. This fee includes inspection of the stand and lot preparation; all support blocking; flood and wind anchoring devices; perimeter skirting; under-floor access and ventilation; temporary steps; and plumbing; mechanical and electrical connections, when all work is ready for inspection at one time.

(24) **Recreational** Park Trailer Installation Reinspection Fee: \$85 per reinspection.

~~(25) Municipalities shall establish their own fee schedule or may adopt the division's fee schedule through local ordinance for the installation of park trailers.~~

~~(26)~~ **(25)** Fees for the construction or installation of accessory buildings and accessory structures shall be those required by the authority having jurisdiction **municipality**.

~~(27) A municipality's permit and plan review fees shall be reasonable and shall not exceed the cost of administering the program per ORS 455.210.~~

[Publications: Publications referenced are available for review at the division.]

Stat. Auth.: ORS 446.160 & 446.176

Stats. Implemented: ORS 446.160 & 446.176

Hist.: BCA 1-1990, f. & cert. ef. 1-2-90; BCA 10-1992, f. 6-15-92, cert. ef. 7-1-92; BCA 30-1993, f. 12-1-93, cert. ef. 1-1-94; BCD 14-1996(Temp), f. & cert. ef. 7-1-96; BCD 24-1996, f. & cert. ef. 11-8-96; BCD 12-1998(Temp), f. 6-2-98, cert. ef. 7-1-98 thru 12-27-98; BCD 23-1998, f. 11-9-98, cert. ef. 11-15-98; BCD 9-1999, f. 7-14-99, cert. ef. 9-1-99; BCD 29-2000, f. & cert. ef. 12-19-00; BCD 1-2005, f. & cert. ef. 3-1-05

918-525-0520

Additional Fees

(1) When the Division determines that a person has failed to obtain required inspections, permits, insignia and/or plan review, requiring Division staff to work outside normal business hours, the person shall be charged additional fees as described in sections (3) and (4) of this rule.

(2) Persons who sell or ship vehicles or equipment known to be out of compliance or requiring inspections or reinspections prior to sale or shipment requiring Division staff to work outside normal business hours, shall be charged additional fees as described in sections (3) and (4) of this rule.

(3) Persons requesting or requiring inspections or field technical service, outside normal business hours of the Division, shall be charged fees at 1-1/2 times the amounts required by OAR 918-525-0510, except for travel expenses.

(4) Persons requesting or requiring inspections or field technical service on recognized state holidays shall be charged double the amounts required by OAR 918-525-0510, except for travel expenses.

Stat. Auth.: ORS 446.176, 455.210 & 455.220

Stats. Implemented: ORS 446.176, 455.210 & 455.220

Hist.: BCA 1-1990, f. & cert. ef. 1-2-90; BCA 10-1992, f. 6-15-92, cert. ef. 7-1-92; BCA 30-1993, f. 12-1-93, cert. ef. 1-1-94; BCD 29-2000, f. & cert. ef. 12-19-00; BCD 31-2005, f. 12-30-05, cert. ef. 1-1-06

DIVISION 530
RECREATIONAL PARK TRAILER AND
CABANA INSTALLATION STANDARDS REQUIREMENTS

918-530-0005

Park Trailers and Cabana Installation Standards—General Requirements

(1) All **recreational** park trailers exceeding 8-1/2 feet in width shall be installed to the **manufacturer's installation instructions and where applicable, to these rules** requirements in ~~OAR 918-530-0005 through 918-530-0340~~ except for **recreational** park trailers installed temporarily on display or in storage and not occupied or intended to be occupied. This exception does not include **recreational** park trailers installed in recreational vehicle parks, mobile home parks or subdivisions.

(2) ~~All site built and prefabricated Cabanas used in conjunction with a **recreational vehicles** or **recreational** park trailers~~ shall be installed according to the manufacturer's installation instructions, the **Oregon One and Two Family Dwelling Residential Specialty Code** and the provisions of ~~OAR 918-530-0010 through 918-530-0340~~ **these rules**.

~~(3) Where a license or registration is required for specific work, persons performing that work shall be licensed or registered.~~

[Publications: Publications referenced are available ~~from the agency~~ **for review at the division.**]

Stat. Auth.: ORS 446.185

Stats. Implemented: ORS 446.185

Hist.: BCA 30-1993, f. 12-1-93, cert. ef. 1-1-94; BCD 9-1999, f. 7-14-99, cert. ef. 9-1-99

918-530-0010

Site Preparation

(1) Each site shall be suitable for its intended use and shall comply with applicable federal, state and local laws.

(2) When, during preparation of the site, unforeseen factors such as rock formation, high ground water levels, springs or biological generated gasses are encountered, corrective work shall be taken prior to the siting of the **recreational** park trailer or accessory building and structure.

(3) Grades shall slope downward away from patios, stands, walls, skirting, foundations and water supply wells.

(4) Site grading and drainage shall:

(a) Provide a diversion of any surface water away from the **recreational** park trailer, accessory building and structures and stands except as necessary for controlled irrigation; and

(b) Prevent standing water and soil saturation from becoming detrimental to structures and site use.

(5) **Recreational** park trailer stands without a subsurface drainage system shall have a crown gradient for surface drainage acceptable to the ~~authority having jurisdiction~~ **building official.**

(6) Grading, plantings or drainage systems shall be constructed to prevent erosion of the **recreational** park trailer stand from high velocity water runoff.

(7) Where natural soils or controlled fill (free of grass and organic material) are used, such soils or fill shall support the loads imposed by the support system of the **recreational** park trailer and cabana placed thereon.

(8) Up to 6” of non-compacted crushed rock or gravel, no smaller than 3/4” minus, may be placed on a **recreational** park trailer or cabana stand without affecting the soil bearing capacity of the stand.

(9) Provisions shall be made to reduce moisture and humidity in under-floor spaces by installing a continuous membrane sheeting vapor barrier to cover the ground surface or pavement within the perimeter enclosure of the **recreational** park trailer or cabana stand. A uniform six mil black polyethylene, linear low density poly (6x) sheet material or other approved equivalent membrane vapor barrier materials shall be installed for this purpose according to the following:

- (a) Membrane seams shall be overlapped by at least eight inches;
- (b) Edges of the sheeting shall extend to the perimeter of the **recreational** park trailer;
- (c) Stones or bricks shall be placed over seams and around the point of contact of the sheeting with the perimeter enclosure on a spacing of approximately eight feet to maintain a reasonable seal between sheets and the foundation material;
- (d) All holes, tears and penetrations in the membrane shall be adequately patched and sealed with permanent tape;
- (e) Under-floor continuous membrane sheeting vapor barrier shall not contact wood that is not treated foundation grade lumber; and
- (f) Under-floor continuous membrane sheeting vapor barrier shall not be placed under concrete slabs.

Stat. Auth.: ORS 446.185

Stats. Implemented: ORS 446.185

Hist.: BCA 30-1993, f. 12-1-93, cert. ef. 1-1-94; BCD 9-1999, f. 7-14-99, cert. ef. 9-1-99

918-530-0020

Foundation Systems

(1) This rule prescribes Oregon standards for siting, design and installation of **recreational** park trailer foundation systems and identifies acceptable foundation systems.

(2) ~~The authority having jurisdiction may approve an unusual installation design not contained in these rules.~~ **The foundation shall be capable of transferring design vertical loads and other loads unique to local sites due to wind, seismic and water conditions imposed by**

or on the structure into the underlying soil bedrock without failure. The building official may approve an installation design and materials not contained in these rules.

(3) Except for axles, wheels, tires, hitches and transportation lights designed to be detached from the vehicle, no portion of a **recreational** park trailer transportation platform (chassis) shall be removed before or after the **recreational** park trailer is installed. Detached transportation equipment shall be left on the site for future use ~~and may not be sold to a dealer or recycler.~~

~~(4) The foundation, whether a site-built or site-assembled system of stabilizing devices, shall be capable of transferring design vertical loads and other loads unique to local sites due to wind, seismic and water conditions imposed by or on the structure into the underlying soil bedrock without failure and constructed of materials acceptable to the authority having jurisdiction.~~

(4) Recreational park trailers shall be installed according to the manufacturer's installation instructions. Where manufacturer's installation instructions are not available for relocated recreational park trailers, installations shall meet the minimum requirements in these rules.

(5) Footings shall be a minimum of 256 square inches of pressure-treated wood on all six sides, precast concrete or poured-in-place concrete, including unreinforced slabs or runners. Footings shall be at least equal in area to the piers they support. Footings shall be placed level on a stand free of grass and organic materials.

(6) Piers shall be spaced at a maximum of four feet on center under the main frame (I-beam or channel beam) ~~and if the park trailer exceeds 11 feet in width, piers shall be placed at eight feet on center under the sidewalls. Pier spacing under the sidewalls shall be increased to four feet on center under all loft areas.~~ Pier spacing may be offset up to six inches for obstructions such as outriggers, cross members, axles and utilities. Piers shall not exceed 36 inches in height under the main frame (I-beam or channel beam) ~~or 48 inches under the sidewalls.~~ Piers shall be:

(a) Constructed of a single stack of open 8" x 8" x 16" concrete blocks with open cells placed vertically upon the footing. Single stacked block piers shall be installed with the 16-inch dimension perpendicular to the main frame (I-beam or channel beam). The pier blocks shall be capped with concrete or wood pier caps equal in area to the top of the pier blocking then shimmed tight to the bottom of the main frame (I-beam or channel beam) with wood blocks and wedges;

(b) Designed by a registered **design** professional ~~architect or engineer~~ and approved by the ~~authority having jurisdiction~~ **building official**; or

(c) Prefabricated piers tested, listed and labeled by a nationally recognized testing and listing laboratory. Prefabricated piers shall be tested to their dead load plus superimposed live load equal to three times the required live load using the test procedures in **the Manufactured Home Construction and Safety Standards 24 CFR 3280.401**. Prefabricated piers and load bearing devices shall be permanently marked or labeled with the following information:

- (A) The product's intended use;
- (B) The product manufacturer's name and location;
- (C) The product's model or identification number;
- (D) The product's design loads or capacity;
- (E) The product's tested or calculated loads;
- (F) The name, logo or identification mark of the testing laboratory and listing agency; and
- (G) The product's test report and listing numbers.

(d) Piers may be replaced in part with approved earthquake-bracing system components.

(e) Piers may be replaced in whole with an approved full foundation system.

(7) Earthquake-resistant bracing systems and full foundation systems when used with a **recreational** park trailer shall be:

(a) ~~Approved and certified by the state of California Department of Housing and Community Development~~ **for its intended use**;

(b) Labeled to identify the component's model or identification number, manufacturer's name and location, testing and listing laboratory name or logo, testing and listing report numbers, ~~California~~ certification expiration date, components tested or calculated loads, and minimum design loads or capacity;

(c) Installed according to the manufacturer's installation instructions; and

(d) Provided with installation instructions to be left on the job site for the inspectors use.

(8) A minimum clearance of 18 inches shall be maintained beneath the lowest member of the main frame (I-beam or channel beam).

(9) Under the main frame, (I-beam or channel beam) pier supports shall be placed not more than two feet from the exterior of each end wall. All pier supports shall be installed (centered) directly under and perpendicular to each main frame of the **recreational** park trailer.

(10) Retaining walls used to resist the lateral displacement of soil and other materials shall be designed to resist the lateral pressure of the retained material in accordance with accepted engineering practices. A retaining wall shall not rely on the **recreational** park trailer for support. Retaining walls shall be constructed of treated foundation grade wood, concrete, masonry or other approved materials or combinations of these materials according to the **Oregon Structural Residential Specialty Code**.

(11) All fill and backfill soil surrounding the **recreational** park trailer shall be compacted to not allow displacement. Soil grading around the **recreational** park trailer shall allow water to drain away from the **recreational** park trailer at a slope of 1/2-foot vertical for every 12 feet horizontal.

(12) Regardless of the type foundation system provided, the foundation construction shall assure a level **recreational** park trailer or cabana floor.

(13) All lumber and concrete described in these rules are identified by their nominal sizes only. Actual sizes may vary from 1/8-inch to 3/4-inch.

(14) All poured in place concrete shall cure seven days prior to installation of the **recreational** park trailer or cabana and shall have a compressive strength not less than 2,500 pounds per square inch in 28 days.

[Publications: Publications referenced are available from the agency **for review at the division.**]

Stat. Auth.: ORS 446.185

Stats. Implemented: ORS 446.185

Hist.: BCA 30-1993, f. 12-1-93, cert. ef. 1-1-94; BCD 9-1999, f. 7-14-99, cert. ef. 9-1-99; BCD 10-2000(Temp), f. 6-21-00, cert. ef. 6-23-00 thru 12-19-00; BCD 29-2000, f. & cert. ef. 12-19-00

918-530-0040

Anchoring Systems

(1) To resist overturning and lateral movement from high winds, all **recreational** park trailers installed in the following counties shall be anchored: Clatsop, Tillamook, Lincoln, Coos, Curry, Multnomah, Hood River, Sherman, Gilliam, Morrow and Umatilla; Lane and Douglas if

located within 20 miles of the coast; and Wasco County if located within 30 miles of the Columbia River.

(2) To resist movement and reduce damage, all **recreational** park trailers installed in designated flood plain areas shall be anchored when required by a municipality ~~or the Federal Emergency Management Agency (FEMA).~~

(3) Anchoring systems shall be designed and tested according to **the Manufactured Home Construction and Safety Standards 24 CFR 3280.306**. Anchoring systems shall be:

(a) Designed by a registered **design** professional ~~engineer or architect~~ and approved by the authority having jurisdiction **building official**; or

(b) Manufactured, tested, listed and labeled as capable of meeting all the requirements of this rule. Each manufactured anchoring system shall be installed according to the manufacturer's installation instructions. Each manufactured anchoring system shall be permanently marked or labeled with the following information:

- (A) The product's intended use;
- (B) The product manufacturer's name and location;
- (C) The product's model or identification number;
- (D) The product's design loads or capacity;
- (E) The product's soil classification and soil depth when applicable;
- (F) The product's tested or calculated loads;
- (G) The name, logo or identification mark of the testing laboratory and listing agency; and
- (H) The product's test report and listing numbers.

[Publications: Publications referenced are available ~~from the agency~~ **for review at the division.**]

Stat. Auth.: ORS 446.185

Stats. Implemented: ORS 446.185

Hist.: BCA 30-1993, f. 12-1-93, cert. ef. 1-1-94; BCD 9-1999, f. 7-14-99, cert. ef. 9-1-99

918-530-0050

Skirting

(1) Skirting on **recreational** park trailers and cabanas shall be installed where specifically required by local ordinance.

(2) Skirting shall be of material suitable for exterior exposure. Untreated wood shall not be nearer than 5-1/2 inches to any earth, unless separated by three inches of metal or foundation grade lumber. Field cut ends, notches and drilled holes of pressure-treated foundation grade lumber shall be retreated in the field according to AWWA M4 U1-04.

(3) Skirting shall be installed according to the material manufacturer's installation instructions and these rules.

(4) Skirting shall be adequately secured to assure stability, minimize vibration, susceptibility to wind damage and to compensate for possible frost heave.

(5) All holes or gaps between the skirting and the ground or other locations shall be substantially sealed to limit the entrance of wind and water.

(6) Access openings through skirting shall be not less than 18" x 24" and located as close as practical to the utilities so fuel, electric, water and sewer connections located under the recreational park trailer are accessible for inspection, service and repair. Such access panels or doors shall not require tools or operation of more than four devices to remove or open. There shall be a minimum 30-inch access space directly in front of each access panel or door.

Stat. Auth.: ORS 446.185

Stats. Implemented: ORS 446.185

Hist.: BCA 30-1993, f. 12-1-93, cert. ef. 1-1-94; BCD 9-1999, f. 7-14-99, cert. ef. 9-1-99

918-530-0060

Ventilation of Skirting

(1) Provisions shall be made to minimize condensation in underfloor areas through ventilation openings.

(2) If combustion air for heat-producing appliance(s) is taken from within the under-floor areas, ventilation shall be adequate to assure proper operation of appliances.

(3) A minimum of four ventilation openings shall be provided from the under-floor space to the exterior. A ventilation opening shall be placed at, or as near to, each corner as practicable and as high as practicable, except in flood hazard areas where the ventilation opening shall be near the bottom of the skirting. The total net free area for ventilation shall be 200 square inches or one square foot for every 300 square feet of under-floor area whichever is less. Openings shall provide cross ventilation on at least two sides. The openings shall be covered with 1/4-inch

corrosion resistant wire mesh or with louvered openings with not less than 1/8-inch screen to retard entry of dry vegetation, waste materials, or rodents. The net free area of a vent shall not be diminished in size by vent hardware.

(4) Intake air for indoor ventilation purposes shall not be drawn from under floor spaces of the **recreational** park trailer or cabana. (This does not include combustion air.)

Stat. Auth.: ORS 446.185

Stats. Implemented: ORS 446.185

Hist.: BCA 30-1993, f. 12-1-93, cert. ef. 1-1-94; BCD 9-1999, f. 7-14-99, cert. ef. 9-1-99

918-530-0070

Electrical Connections

(1) **Recreational** park trailers shall be connected to power sources according to **Article 552** of the ~~National Electrical Code, Pamphlet NFPA 70, National Electrical Code (1999 edition)~~ and shall have a minimum 30 ampere rated power supply assembly and a maximum of two 50 ampere rated power-supply assemblies.

(2) Accessory equipment, structures and buildings shall not be powered by the **recreational** park trailer electrical system.

(3) At the time of installation, all **recreational** park trailers shall be tested to the following criteria:

(a) All 110 volt electrical receptacle outlets shall be subjected to a polarity test to determine all connections have been made properly; and

(b) All electrical lights, equipment, ground fault circuit interrupters and appliances shall be subjected to an operational test to demonstrate all equipment is connected and in working order.

[Publications: Publications referenced are available from the agency **for review at the division.**]

Stat. Auth.: ORS 446.185

Stats. Implemented: ORS 446.185

Hist.: BCA 30-1993, f. 12-1-93, cert. ef. 1-1-94; BCD 9-1999, f. 7-14-99, cert. ef. 9-1-99

918-530-0080

Plumbing Connections

Recreational park trailers and cabanas shall be connected to water sources and waste disposal terminals according to the **Oregon Plumbing Specialty Code** and to the following standards:

(1) A full way shutoff valve shall be provided on the water supply serving each **recreational** park trailer site.

(2) The water inlet shall be connected to the site water supply outlet by an approved flexible connector not less than 3/4-inch nominal diameter or by other approved means identified in the **Oregon Plumbing Specialty Code**.

(3) Where static water pressure exceeds 80 pounds per square inch, a pressure regulator shall be installed.

(4) The water distribution system of the **recreational** park trailer and cabana and the supply connection shall be subjected to a test to assure there is no evidence of leakage under normal operating pressure. If water under normal operating pressure is not available, the **recreational** park trailer and cabana water distribution system shall show no evidence of leakage, by sustaining 80 pounds per square inch of air pressure for 15 minutes.

(5) Each **recreational** park trailer and cabana shall be connected to the sewer inlet by means of a three-inch diameter drain connector consisting of approved pipe, not less than schedule 40, appropriate directional fittings and listed and approved shielded flexible connectors at each end of the pipe.

(6) The **recreational** park trailer and cabana drainage piping system shall be connected to the lot or site drain inlet and tested by allowing water to flow into all fixtures and receptors, including the clothes washer standpipe, for a period of three minutes. If water under pressure is not available, the drainage piping system shall be tested by dumping at least three gallons of water into each fixture and receptor. Each P-trap shall be visible during this test to assure there is no evidence of leaks.

[Publications: Publications referenced are available from the agency **for review at the division.**]

Stat. Auth.: ORS 446.185

Stats. Implemented: ORS 446.185

Hist.: BCA 30-1993, f. 12-1-93, cert. ef. 1-1-94; BCD 9-1999, f. 7-14-99, cert. ef. 9-1-99

918-530-0090

Mechanical

(1) Mechanical equipment installed outside of and not supported by the **recreational** park trailer or cabana shall be mounted two inches above grade on a level concrete slab not less than three inches thick, a three-inch thick precast reinforced concrete slab or be mounted according to the applicable equipment manufacturer's installation instructions.

(2) Mechanical equipment shall not be installed:

(a) In a manner which obstructs any exit door;

(b) In a window opening which is part of an emergency egress system; and

(c) Where it might obstruct sidewalks or any means of egress from the **recreational** park trailer or cabana.

(3) Exhaust duct systems of clothes dryers, applicable cook tops and other appliances shall not terminate beneath the **recreational** park trailer or cabana. Exhaust ducts shall be routed through the skirting to the exterior. Exhaust duct installations shall have no dips or traps and shall be installed according to the applicable appliance manufacturer's installation instructions.

(4) Moisture or heat producing appliances, such as dryers and applicable cook tops, shall be vented to the outside atmosphere to insure moisture-laden air is carried out beyond the perimeter of the **recreational** park trailer.

(5) Exhaust ducts shall be installed according to the appliance manufacturer's installation instructions and the following requirements:

(a) The duct shall be a minimum of four inches in diameter unless otherwise specified by the appliance manufacturer;

(b) The duct material shall be metal or listed flexible metal if approved by the appliance manufacturer;

(c) There shall be no dips in the duct run;

(d) There shall be no screws, mechanical fasteners, screens or any other obstructions extending into any interior portion of the duct;

(e) The total length of the duct shall not exceed 15 feet unless otherwise specified by the appliance manufacturer;

(f) There shall not be more than two 90-degree elbow fittings or four 45-degree elbow fittings installed in the duct run; and

(g) The duct termination shall be equipped with a back-draft damper.

(6) When installed, adequate distance shall be maintained under the **recreational** park trailer and cabana for an external air conditioning or heat pump duct. The external air conditioning or heat pump duct shall be supported off the ground, providing a one-inch minimum ground clearance and be supported and connected according to the appliance manufacturer's installation instructions. Ducts shall not be crushed, dented, compressed, have sharp bends or stress at the connections. All tears, holes and penetrations in ducts shall be repaired and sealed.

(7) Inlets or outlets of an exhaust vent, combustion air vent, return air vent, or any other vent opening capable of conveying air or gasses into or out of the **recreational** park trailer or cabana, or to or from any appliance used in conjunction with the **recreational** park trailer, shall not be located in an area where an accessory building is to be sited.

(8) Inlets or outlets of an exhaust vent, combustion air vent, return air vent, condensation drain or any other vent opening capable of conveying air or gasses into or out of the **recreational** park trailer or cabana, or to or from any appliance used in conjunction with the **recreational** park trailer or cabana, shall not be located under the **recreational** park trailer when located over a basement.

(9) Condensation drains from air conditioning, heat pumps, evaporative coolers, dehumidifiers, refrigeration equipment or any other appliance shall not terminate under a **recreational** park trailer or cabana.

(10) Mechanical installations not a part of the **recreational** park trailer shall be in conformance with the **Oregon One and Two Family Dwelling Residential Specialty Code**.

[Publications: Publications referenced are available from the agency **for review at the division**.]

Stat. Auth.: ORS 446.185

Stats. Implemented: ORS 446.185

Hist.: BCA 30-1993, f. 12-1-93, cert. ef. 1-1-94; BCD 9-1999, f. 7-14-99, cert. ef. 9-1-99

918-530-0100

Fuel Supply

(1) All fuel gas piping systems serving **recreational** park trailers and cabanas shall be designed and constructed according to applicable provisions of the **Oregon Mechanical Residential Specialty Code**.

(2) Where fuel gas is provided, each **recreational** park trailer site shall have a listed gas shut off valve installed upstream from the **recreational** park trailer site gas outlet. Such valve shall not be located under any **recreational** park trailer or cabana. The outlet shall be equipped with a cap or plug to prevent discharge of gas whenever the **recreational** park trailer site outlet is not connected to a **recreational** park trailer or cabana.

(3) Each gas supply shall be connected to the **recreational** park trailer with an approved six-foot flexible gas connector.

[Publications: Publications referenced are available from the agency **for review at the division.**]

Stat. Auth.: ORS 446.185

Stats. Implemented: ORS 446.185

Hist.: BCA 30-1993, f. 12-1-93, cert. ef. 1-1-94; BCD 9-1999, f. 7-14-99, cert. ef. 9-1-99

918-530-0110

Access

(1) Required egress doors on **recreational** park trailers shall be accessible by steps; ~~temporary steps~~ or ramps or have door thresholds within eight inches of grade.

(2) ~~Except for temporary steps,~~ All ramps, decks, hand rails, guard rails, stairs, steps, porches and landings constructed adjacent to a **recreational** park trailer to be used by the occupants of the **recreational** park trailer shall be constructed in conformance with the **Oregon One and Two Family Dwelling Residential Specialty Code**.

(3) ~~Temporary steps may be used for up to 30 days after the installation of a park trailer or cabana. Temporary steps shall be:~~

(a) ~~Constructed a minimum of 30 inches wide, a maximum of 48 inches high, with an eight-inch maximum tread rise and a minimum nine inch tread run;~~

(b) ~~Constructed and cross braced with number two or better grade lumber;~~

(c) ~~Provided with a handrail on one side at a minimum of 30 inches and maximum of 34 inches above the stair tread when there are three or more risers;~~

- (d) ~~Substantially level, supported and braced to prevent movement;~~
- (e) ~~Identified “temporary” in two-inch high letters by paint, label, decal or stencil; and~~
- (f) ~~Constructed so the top step is not more than 8 1/2 inches below the door threshold.~~

(4) ~~Installation inspections shall not be approved until temporary steps have been removed and a permanent means of access has been provided to each required exit door on the park trailer.~~

[Publications: Publications referenced are available from the agency for review at the division.]

Stat. Auth.: ORS 446.185

Stats. Implemented: ORS 446.185

Hist.: BCA 30-1993, f. 12-1-93, cert. ef. 1-1-94; BCD 9-1999, f. 7-14-99, cert. ef. 9-1-99

918-530-0120

Rodent Proofing

All cuts, holes or tears in the bottom board or floor insulation, including but not limited to areas around plumbing, mechanical and heating equipment penetrations shall be adequately repaired and sealed to prevent the entrance of rodents and limit heat loss.

Stat. Auth.: ORS 446.185

Stats. Implemented: ORS 446.185

Hist.: BCA 30-1993, f. 12-1-93, cert. ef. 1-1-94; BCD 9-1999, f. 7-14-99, cert. ef. 9-1-99

918-530-0310

Recreational Vehicle Accessory Buildings and Structures Size, Construction and Placement

(1) ~~Every~~ Accessory buildings and ~~or~~ accessory structures shall be designed ~~and~~, constructed, and installed according to ~~OAR 918-525-0040(1)(e)~~ the Oregon Residential Specialty Code and these rules.

(2) Accessory buildings, and accessory structures ~~or other adjacent structures~~ shall not obstruct required egress windows, exit doors, appliance access, exhaust vents or ducts, chimney or flue pipes, combustion air inlets, drains, sewer vents or the utility access of a recreational vehicle or a recreational park trailer ~~or any other building~~. ~~No hinged exit door shall be prevented from opening a full 90 degrees.~~

(3) Accessory buildings, and accessory structures ~~or any other adjacent structure~~ shall be free standing, self-supporting structures. No loads shall be imposed on a recreational

vehicle or recreational park trailer from the installation of an accessory building or accessory structure unless approved by the building official. ~~not be permanently constructed or located in a manner which obstructs the movement or relocation of any recreational vehicle.~~

~~(4) General Setbacks and Clearances. A recreational vehicle, accessory building and accessory structure, in the recreational vehicle portion of a park, shall have a minimum five-foot clearance to property lines. A recreational vehicle, accessory building and accessory structure, in the recreational vehicle portion of a park, shall have a minimum ten-foot clearance to any park building or park boundary line abutting a public street or highway.~~

~~(5) Clearances to Structures on Adjacent Lots. A recreational vehicle in the recreational vehicle portion of a park, shall be a minimum of ten feet from any recreational vehicle or manufactured dwelling on an adjacent lot. A recreational vehicle, accessory structure or accessory building in the recreational vehicle portion of a park, shall be a minimum of six feet from an accessory structure or accessory building on an adjacent lot.~~

~~(6) Clearances to Structures on Same Lot. An accessory building, accessory structure or any other structure, in the recreational vehicle portion of a park, shall not be located closer than six feet from any recreational vehicle on the same lot except as provided below:~~

~~(a) An accessory building or accessory structure may be located adjacent to or within three feet of a recreational vehicle on the same lot if the accessory building or accessory structure is a cabana, awning, carport, deck, landing, ramp or stairs and is used specifically with that recreational vehicle;~~

~~(b) An accessory building or accessory structure may be located three to six feet from a recreational vehicle on the same lot if the accessory building or accessory structure is 120 square feet or less in floor area or its wall facing the recreational vehicle is a minimum of one-hour fire-resistive construction;~~

~~(c) A ramada may be located within the clearances specified in OAR 918-530-0340.~~

~~(7) (4) In addition to the minimum setbacks described in section (6) of this rule and the size restrictions in OAR 918-525-0035, The total area of all accessory buildings and accessory structures on the same lot, in a recreation park, shall not exceed 400 square feet in area except as provided below:~~

~~(a) Where the accessory building is a cabana, the size restrictions in OAR 918-530-0320 shall apply;~~

(b) Where an accessory building or accessory structure has a six-foot clearance to all recreational vehicles, accessory buildings and accessory structures, the size limitations of this section shall not apply;

(c) Where an accessory building or accessory structure has a three-foot clearance and is provided with a minimum of one-hour fire-resistive construction on the wall facing any recreational vehicle, accessory building or accessory structure, the size limitations of this section shall not apply;

(d) Where the accessory structure is a deck, patio or ramada, the size limitations of this section shall not apply;

(e) Factory-built porches, decks, eaves, roof overhangs and other construction that is built by the manufacturer and connected to and supported by the recreational vehicle shall not be counted within the size limitations of this section; and

(f) Where more than one accessory building or accessory structure occupies the same space (i.e., landing, ramp or stairs under an awning or carport), the area shall only be counted once within the size limitations of this section.

[Publications: Publications referenced are available from the agency for review at the division.]

Stat. Auth.: ORS 446.155, 446.185 & 446.240

Stats. Implemented: ORS 446.185 & 446.240

Hist.: BCA 30-1993, f. 12-1-93, cert. ef. 1-1-94; BCD 24-1994, f. 10-26-94, cert. ef. 11-1-94; BCD 9-1999, f. 7-14-99, cert. ef. 9-1-99, Renumbered from 918-535-0010; BCD 10-2000(Temp), f. 6-21-00, cert. ef. 6-23-00 thru 12-19-00; BCD 29-2000, f. & cert. ef. 12-19-00

918-530-0320

Cabanas

(1) A cabana may be installed or constructed as an accessory building to a recreational vehicle according to the following restrictions:

(a) Cabanas shall not be designed or constructed to include sleeping or cooking facilities;

(b) Cabanas shall be restricted in size to a total of 240 square feet of gross floor area per recreational vehicle; and

(c) Cabanas shall not contain gas, liquid or solid fuel-burning fireplaces, fireplace stoves, room heaters or pellet-fired appliances.

(2) Cabanas shall be designed and constructed as freestanding, self-supporting structures. **Cabanas may be** attached to a recreational vehicle **or recreational park trailer** only with appropriate flashing or sealing materials to provide a weather seal.

~~(3) Cabanas shall be designed and constructed in conformance with the Oregon One and Two Family Dwelling Specialty Code (OAR 918-525-0040(1)(e)) and this rule.~~

~~(4) Cabanas constructed at an off site location shall comply with the rules for construction of prefabricated structures as provided in OAR 918-674-0005 through 918-674-0155.~~

~~(5)~~ **(3)** Each cabana shall have an exit door opening directly to the outside without passing through the recreational vehicle.

~~(6)~~ **(4)** Cabanas shall have smoke alarms installed according to **Section 316 313** of the **Oregon One and Two Family Dwelling Residential Specialty Code**, except that. The smoke alarm in the cabana is not required to be interconnected with the smoke alarm(s) in the recreational vehicle.

~~(7) Cabanas do not include temporary fabric or tent type rooms or awnings enclosed with insect screen, lattice or similar materials that permit ventilation on at least three sides.~~

[Publications: Publications referenced are available from the agency **for review at the division.**]

Stat. Auth.: ORS 446.185

Stats. Implemented: ORS 446.185

Hist.: BCA 30-1993, f. 12-1-93, cert. ef. 1-1-94; BCD 9-1999, f. 7-14-99, cert. ef. 9-1-99, Renumbered from 918-535-0020; BCD 10-2000(Temp), f. 6-21-00, cert. ef. 6-23-00 thru 12-19-00; BCD 29-2000, f. & cert. ef. 12-19-00

918-530-0330

Awnings and Carports

(1) A carport or awning (also known as a patio cover) shall be constructed as a freestanding, self-supporting structure in conformance with OAR 918-525-0040(1)(e) and these rules.

~~(2) An awning or carport shall not be enclosed with rigid or solid materials, panels or walls on more than one side according to ORS 446.003(4) and (7).~~

~~(3) An awning or carport can be enclosed with insect screen, lattice or similar materials that permit ventilation on at least three sides if provided with an egress door opening to the outside.~~

~~(4) An awning or carport shall not be enclosed with materials (i.e., tarps, canvas, plastic, glass, panels, walls or similar products) that would prevent the required ventilation or egress.~~

~~(5) Awnings or carports that are enclosed with solid materials (i.e., glass, plastic, panels, walls or similar products) shall be considered cabanas and shall be constructed to meet the requirements of OAR 918-530-0320.~~

~~(6) No loads shall be imposed on a recreational vehicle by attaching a rigid awning or carport except when factory built awnings, eaves or roof overhangs are manufactured as part of the original recreational vehicle.~~

~~(7) Rigid awnings and carports shall only be attached to a recreational vehicle with appropriate flashing and sealing material.~~

~~(8) This rule does not apply to temporary, transportable and flexible awnings and carports used with recreational vehicles.~~

[Publications: Publications referenced are available from the agency.]

Stat. Auth.: ORS 446.185

Stats. Implemented: ORS 446.185

Hist.: BCA 30-1993, f. 12-1-93, cert. ef. 1-1-94; BCD 9-1999, f. 7-14-99, cert. ef. 9-1-99, Renumbered from 918-535-0030; BCD 10-2000(Temp), f. 6-21-00, cert. ef. 6-23-00 thru 12-19-00; BCD 29-2000, f. & cert. ef. 12-19-00

918-530-0340

Ramadas

(1) A ramada shall **may** be constructed **or installed** ~~on a recreational vehicle site only~~ as an accessory to a recreational vehicle **or recreational park trailer** ~~located on the same site.~~

(2) A ramada or any portion thereof shall have a clearance of not less than 36 inches in a vertical direction above the highest portion of a recreational vehicle **or recreational park trailer** roof and not less than 18 inches in a horizontal direction from each side of a recreational vehicle.

(3) Cross braces, architectural appurtenances, and structural ties shall not obstruct the installation or removal of any recreational vehicle **or recreational park trailer.**

(4) ~~A ramada shall be designed and constructed as a freestanding, self-supporting structure in conformance with the Oregon One and Two Family Dwelling Specialty Code or the Oregon Structural Specialty Code.~~ **Recreational park trailers with roof extensions or sited under a ramada that also have solid fuel burning appliances installed shall have the chimney, flue or vent for the solid fuel burning appliance installed through the roof extension or ramada according to the appliance manufacturer's installation instructions. Chimney, flue or vent pipe extensions shall be of the same type, brand and specifications as the original pipes used in the recreational park trailer. Shipped-loose chimney, flue or vent sections and equipment for solid fuel burning appliance shall be installed according to the appliance manufacturer's installation instructions.**

(5) ~~A ramada shall not be wholly or partially enclosed on any side or end.~~

(6) ~~Ventilation openings shall be installed at the highest point in the ramada roof ten feet apart and shall have a minimum cross-sectional area of 28 square inches for each vent.~~

(7) ~~Solid fuel burning appliances such as fireplaces, wood stoves and pellet stoves shall not be permitted in recreational vehicles located under ramadas.~~

[Publications: Publications referenced are available from the agency **for review at the division.**]

Stat. Auth.: ORS 446.185

Stats. Implemented: ORS 446.185

Hist.: BCA 30-1993, f. 12-1-93, cert. ef. 1-1-94; BCD 9-1999, f. 7-14-99, cert. ef. 9-1-99,

Renumbered from 918-535-0040