



*November 1, 2008*

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**Adoption of minimum safety standards  
for recreational vehicles**

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**Purpose of the rule:**

These rules adopt the most current editions of nationally recognized standards for the construction, conversion, alteration, and repair of recreational vehicles and recreational park trailers with Oregon amendments. These rules make additional changes to the rules in OAR 918-525 and OAR 918-530. Rules in OAR 918-530 contain installation requirements for recreational park trailers greater than 8-1/2 feet in width. Changes to these rules makes them uniform and consistent with other division code program rules by correcting reference and removing duplicative and unnecessary language.

These rules and the codes become effective November 1, 2008.

**Citation:**

Adopt: OAR 918-525-0042. Amend: OAR 918-525 and 918-530.

Repeal: 918-525-0110 and 918-530-0330

**Effect of the rules:**

This rule updates the minimum safety standards for the construction, conversion, alteration, and repair of recreational vehicles and recreational park trailers with Oregon amendments.

Oregon has adopted an amendment to NFPA 1192, Section 6.2 regarding minimum means of escape from bedrooms and areas designated for sleeping. This amendment requires an openable window, door or hatch in each bedroom or area designated for sleeping separated from the main living and cooking area.

To view the specific Oregon amendments and references to the adopted codes click the following:

[Oregon amendments to the minimum safety standards for recreational vehicles.](#)

**Contact:**

If you have questions or need further information, please contact Recreational Vehicle Program Lead Worker Monte Taylor at 503-373-7542, or [Monte.L.Taylor@state.or.us](mailto:Monte.L.Taylor@state.or.us) .

**Code books may be purchased from vendors listed on the division's Web site at**

<http://www.bcd.oregon.gov/codestandards.html>.



**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 183.335 at least 21 days before the effective date; and

(2) By mailing a copy of the notice to persons on the interested parties mailing list established under ORS 183.335(7).

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; BCD 25-2008, f. 10-31-08, cert. ef. 11-1-08

**918-525-0005**

**Definitions**

The following definitions shall apply to OAR chapter 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 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) "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.

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

(9) "Earthquake-resistant Bracing System" means a 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.

(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.

(11) "Full Foundation System" means a certified, engineered system of prefabricated foundation supports installed to the pier manufacturer's installation instructions.

(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.

(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.

(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.

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

(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.

(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.

(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.

(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.

(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.

(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).

(22) "Park Trailer" or "Recreational Park Trailer" means a recreational vehicle built on a single chassis, mounted on wheels, 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.

(23) "Pier" means that portion of the support system between the footing and the recreational vehicle.

(24) "Plan Supplement" means the revision, modification, or updating of an existing division-approved plan.

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

(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.

(27) "Readily Accessible" means having direct access without the necessity of removing a panel, door, or similar obstruction.

(28) "Recreational Vehicle" means a vehicle as defined in ORS 446.003 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 eating and sleeping facilities and are equipped with one or more of the following:

- (a) Holding tank(s);
- (b) Liquid petroleum gas; or
- (c) A 110 to 240 volt electrical systems.

(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.

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

(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.

(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.

(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.

(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.

(36) "Stand" means that area of the recreational vehicle site which has been reserved for the placement of a recreational vehicle or accessory structure.

(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.

(38) "Technician" means a quality assurance technician approved by the division to perform inspections according to a repair operation's quality assurance manual.

(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.

(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.

(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; BCD 25-2008, f. 10-31-08, cert. ef. 11-1-08

### **918-525-0015**

#### **Objective**

The provisions of OAR chapter 918, division 525 apply to the design, manufacture, conversion, alteration, and repair of recreational vehicles and recreational park trailers rented, leased, sold, installed, or offered for rent, lease, or sale in Oregon.

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; BCD 25-2008, f. 10-31-08, cert. ef. 11-1-08

### **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) 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; BCD 25-2008, f. 10-31-08, cert. ef. 11-1-08

### **918-525-0035**

#### **Allowable Floor Areas**

(1) The maximum gross floor area of a recreational vehicle 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 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.

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; BCD 25-2008, f. 10-31-08, cert. ef. 11-1-08

## 918-525-0040

### Adopted Minimum Safety Standards

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.]

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; BCD 25-2008, f. 10-31-08, cert. ef. 11-1-08

## 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. "6.2.1.3. Each bedroom or separate designated area for sleeping shall be required to have a means of escape to the exterior of the vehicle. For the purposes of this code, a bedroom or separate designated area for sleeping means an area separated from the main living and cooking area by a wall or partition. The means of escape may be an outside window, outside door, or roof hatch sized in accordance with 6.2.5.

(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 gasoline or diesel fuel storage, transfer or dispensing systems as identified in NFPA 1192, Section 5.11."

(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 pellet-fired 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.: BCD 25-2008, f. 10-31-08, cert. ef. 11-1-08

## 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 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 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.

**[NOTE: 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; BCD 25-2008, f. 10-31-08, cert. ef. 11-1-08

### **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. 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; BCD 25-2008, f. 10-31-08, cert. ef. 11-1-08

### **918-525-0060**

#### **Manufacturer's Quality Assurance Manual**

(1) Each manufacturer of recreational vehicles seeking certification under 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 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; BCD 25-2008, f. 10-31-08, cert. ef. 11-1-08

### **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; BCD 25-2008, f. 10-31-08, cert. ef. 11-1-08

#### **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; BCD 25-2008, f. 10-31-08, cert. ef. 11-1-08

#### **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.

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; BCD 25-2008, f. 10-31-08, cert. ef. 11-1-08

#### **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; BCD 25-2008, f. 10-31-08, cert. ef. 11-1-08

#### **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; BCD 25-2008, f. 10-31-08, cert. ef. 11-1-08

## **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 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.

(2) Each recreational vehicle which has been altered, repaired or converted shall bear an insignia of compliance issued by 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; BCD 25-2008, f. 10-31-08, cert. ef. 11-1-08

### **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 a renewal application to the division 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; BCD 25-2008, f. 10-31-08, cert. ef. 11-1-08

### **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; BCD 25-2008, f. 10-31-08, cert. ef. 11-1-08

### **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; BCD 25-2008, f. 10-31-08, cert. ef. 11-1-08

## 918-525-0160

### Compliance Monitoring of Repair Operations

(1) To assure consistent compliance with the division's rules, codes, and standards adopted in OAR 918-525-0040 and the certified repair operation's quality assurance manual, the division:

(a) May inspect recreational vehicles at all certified repair operations;

(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

Hist.: BCD 25-1996, f. 11-8-96, cert. ef. 1-1-97; BCD 25-2008, f. 10-31-08, cert. ef. 11-1-08

## 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; BCD 25-2008, f. 10-31-08, cert. ef. 11-1-08

## 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 building official prior to construction or installation. Plans shall be submitted according to the **Oregon Residential Specialty Code**.

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

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; BCD 25-2008, f. 10-31-08, cert. ef. 11-1-08

### 918-525-0220

#### 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) Location of required smoke detector, carbon monoxide detector, and liquefied petroleum gas (LPG) detector;

(D) Fire extinguisher location;

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

(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 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**, a cross sectional drawing of the recreational park trailer shall be submitted to the division 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**, 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**;

(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.]

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; BCD 25-2008, f. 10-31-08, cert. ef. 11-1-08

#### **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 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; BCD 25-2008, f. 10-31-08, cert. ef. 11-1-08

#### **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; BCD 25-2008, f. 10-31-08, cert. ef. 11-1-08

#### **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; BCD 25-2008, f. 10-31-08, cert. ef. 11-1-08

#### **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; BCD 25-2008, f. 10-31-08, cert. ef. 11-1-08

## **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 building official.

(5) Any person constructing or installing an accessory building or accessory structure must request all required inspections from the 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; BCD 25-2008, f. 10-31-08, cert. ef. 11-1-08

### **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; BCD 25-2008, f. 10-31-08, cert. ef. 11-1-08

### **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; BCD 25-2008, f. 10-31-08, cert. ef. 11-1-08

### **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; BCD 25-2008, f. 10-31-08, cert. ef. 11-1-08

#### **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; BCD 25-2008, f. 10-31-08, cert. ef. 11-1-08

#### **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; BCD 25-2008, f. 10-31-08, cert. ef. 11-1-08

#### **918-525-0370**

##### **Permit Requirements**

(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 building official.

(2) No person shall construct or install an accessory building or accessory structure without first obtaining all required permits and approvals from the building official. The 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.

(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.

(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 building official.

(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; BCD 25-2008, f. 10-31-08, cert. ef. 11-1-08

#### **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 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, 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 may be dual labeled by the manufacturer as both a recreational park trailer 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 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; BCD 25-2008, f. 10-31-08, cert. ef. 11-1-08

#### **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; BCD 25-2008, f. 10-31-08, cert. ef. 11-1-08

#### **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; BCD 25-2008, f. 10-31-08, cert. ef. 11-1-08

#### **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 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; BCD 25-2008, f. 10-31-08, cert. ef. 11-1-08

#### **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 chapter 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 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; BCD 25-2008, f. 10-31-08, cert. ef. 11-1-08

#### **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; BCD 25-2008, f. 10-31-08, cert. ef. 11-1-08

##### **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 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) Fees for the construction or installation of accessory buildings and accessory structures shall be those required by the municipality.

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

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; BCD 25-2008, f. 10-31-08, cert. ef. 11-1-08

**918-525-0520**  
**Additional Fees**

- (1) When the division determines that a person has failed to obtain required inspections, permits, insignia, 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; BCD 25-2008, f. 10-31-08, cert. ef. 11-1-08

**DIVISION 530  
RECREATIONAL PARK TRAILER AND  
CABANA INSTALLATION REQUIREMENTS**

**918-530-0005**

**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 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) Cabanas used in conjunction with a recreational vehicles or recreational park trailers shall be installed according to the manufacturer's installation instructions, the **Oregon Residential Specialty Code** and the provisions of these rules.

[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; BCD 25-2008, f. 10-31-08, cert. ef. 11-1-08

**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 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; BCD 25-2008, f. 10-31-08, cert. ef. 11-1-08

**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 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.

(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). 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). 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 and approved by the 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 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, 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 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.]

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; BCD 25-2008, f. 10-31-08, cert. ef. 11-1-08

## **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.

(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 and approved by the 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.]

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 25-2008, f. 10-31-08, cert. ef. 11-1-08

### **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 AWPA 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; BCD 25-2008, f. 10-31-08, cert. ef. 11-1-08

### **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; BCD 25-2008, f. 10-31-08, cert. ef. 11-1-08

### **918-530-0070**

#### **Electrical Connections**

(1) Recreational park trailers shall be connected to power sources according to **Article 552** of the **NFPA 70**, National Electrical Code 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.]

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 25-2008, f. 10-31-08, cert. ef. 11-1-08

### **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.]

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 25-2008, f. 10-31-08, cert. ef. 11-1-08

### **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 Residential Specialty Code**.

[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; BCD 25-2008, f. 10-31-08, cert. ef. 11-1-08

#### **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 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.]

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 25-2008, f. 10-31-08, cert. ef. 11-1-08

#### **918-530-0110**

##### **Access**

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

(2) 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 Residential Specialty Code**.

[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; BCD 25-2008, f. 10-31-08, cert. ef. 11-1-08

#### **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; BCD 25-2008, f. 10-31-08, cert. ef. 11-1-08

#### **918-530-0310**

##### **Accessory Buildings and Structures**

(1) Accessory buildings and accessory structures shall be designed, constructed, and installed according to the **Oregon Residential Specialty Code** and these rules.

(2) Accessory buildings and accessory 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.

(3) Accessory buildings and accessory structures 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.

(4) 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.]

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; BCD 25-2008, f. 10-31-08, cert. ef. 11-1-08

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

(4) Cabanas shall have smoke alarms installed according to **Section 313** of the **Oregon Residential**

**Specialty Code.** The smoke alarm in the cabana is not required to be interconnected with the smoke alarm(s) in the recreational vehicle.

[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 918-535-0020; 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; BCD 25-2008, f. 10-31-08, cert. ef. 11-1-08

### **918-530-0340**

#### **Ramadas**

(1) A ramada may be constructed or installed as an accessory to a recreational vehicle or recreational park trailer.

(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) 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. If manufacturer's installation instructions are not available, installations shall comply with the mechanical chapters of the **Oregon Residential Specialty Code.**

[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 918-535-0040; BCD 25-2008, f. 10-31-08, cert. ef. 11-1-08