



January 1, 2010

Legislative Changes to the Boiler and Elevator Programs

Purpose of the rule:

These rules implement House Bill 2200 (2009) resulting in changes to the Boiler and Pressure Vessel and Elevator programs. These rules permanently implement the temporary rules that went into effect on July 1, 2009. These rules also include housekeeping changes that improve the readability and provide clarity and consistency among the division's rules.

Citation:

Adopt: OAR 918-400-0662

Amend: 918-225-0600, 918-225-0630, 918-400-0800, 918-400-0270, 918-400-280, 918-400-0340, 918-400-0380, 918-400-0390, 918-400-0395, 918-400-0445, 918-400-0525, 918-400-0630, 918-400-0660, 918-400-0740 & 918-400-0800

Repeal: 918-225-0605 & 918-225-0610

Effect of the rule:

These rules make the following changes permanent:

- Boiler permit and inspection fees increase.
- Boiler installation permits go to a flat fee rather than an hourly rate.
- Elevator hourly inspection rates and re-inspection fees increase slightly.
- Eliminates periodic inspections of CO2 tanks used for beverage service.

These rules adjust fees to align with costs, along with shifting to a more predictable flat rate schedule. The fee increases were approved by the legislature to address current revenue shortfalls and to protect public safety by maintaining inspection service levels. The legislative changes also align processes in the two programs to increase efficiency and reduce administrative costs. Additionally, the legislature restored three boiler inspector positions that were originally cut from the department's budget.

Contact:

If you have questions or need further information, please contact Chief Boiler Inspector Mike Graham at 503-373-7499 or mike.d.graham@state.or.us, or Chief Elevator Inspector Warren Hartung at 503-378-3866 or warren.i.hartung@state.or.us.



**DIVISION 225
BOILERS AND PRESSURE VESSELS**

918-225-0240

Definitions

As used in OAR 918, division 225, unless the context requires otherwise:

- (1) "Agricultural Purposes" means:
- (a) Sowing, tending, and harvesting of products of the soil grown under natural conditions;
 - (b) Raising of poultry or fowl;
 - (c) Pasturage or raising of livestock or other animals; or
 - (d) Original processing of the farm product, but not the processing of the product of a different operator, or reprocessing work as freezing, canning, or packing if performed substantially for commercial purposes.
- (2) "Available" to determine inspection fees at cost, means the vessels must be due for inspection in the year the notification is applicable, and must all be ready for inspection at the time designated by the inspector.
- (3) "Board" is defined in ORS 480.515(2).
- (4) "Boiler Room" means any enclosed room or designated space within a building, intended by design or by usage to contain a boiler that is connected and available for use. A boiler located in an area not meeting the definition of "boiler room" under OAR 918-225-0465 shall apply to any space within 20 feet of any burner.
- (5) "Building Service Piping" means piping systems operating at or less than 150 psig steam; and water at or less than 160 psig and 250° F as described in ANSI/ASME Standard B31.9.
- (6) "Chief Inspector" means the inspector appointed by the director pursuant to ORS 480.565(1).
- (7) "Farm" means an area of land:
- (a) Located in a rural district;
 - (b) Of sufficient size to generally be considered as a farm in its locale; and
 - (c) Devoted primarily to tillage and raising crops under natural conditions, or to raising animals, fowl, or poultry.
- (8) "Emergency" as used in ORS 480.630(6) means an unplanned circumstance requiring immediate repair, installation, replacement, or shutdown because of risk to health, life, or property.
- (9) "Hobby" or "Demonstration" means recreational or other noncommercial use.
- (10) "Immediate Safety Hazard" means hazardous conditions exist requiring immediate correction to a boiler, pressure vessel, or pressure piping system to preserve the safety of people or property.
- (11) "Installer," as used in the boiler or pressure vessel laws and rules, means the person making the water, steam, air, refrigerant, or other product piping connection to the boiler or pressure vessel. A person who transports or merely positions the boiler or pressure vessel is not an "installer." An electrician making electrical connections is not an "installer."

(12) "National Board" means the National Board of Boiler and Pressure Vessel Inspectors.

(13) "Operating" means any vessel connected and ready for service.

(14) "Person" means any individual, partnership, corporation, association, governmental subdivision, or public or private organization of any character.

(15) "Place of Public Assembly" means a building used or held for use, in whole or in part, for worship; health treatment; rest, recuperation, or retirement living; child care nurseries or institutions; public meetings; education; instruction; entertainment; eating; recreation; or awaiting transportation.

(16) "Pressure Piping" means piping systems and components under the scope of ASME B31.1, B31.3, B31.5, and B31.9.

(17) "Pressure Relief Valve" means a valve activated by inlet static pressure which opens in proportion to the increase in pressure over the opening pressure range. Only ASME approved valves are allowed under the boiler rules.

(18) "Pressure Vessel" is defined in ORS 480.515(12).

(19) "Process Piping Inspector" means the owner's inspector, for the inspection of ASME B31.3 Process Piping, Category "M" fluid service only.

(20) "Psig" means pounds per square inch gauge pressure.

(21) "Related Appurtenance" is defined in ORS 480.515(13).

(22) "Safety Valve" means a valve activated by inlet static pressure and characterized by rapid opening or pop action. Only ASME approved valves are allowed under the boiler rules.

(23) "Same Location," to determine inspection fees at cost, means that all vessels are within 2,000 feet of one another.

(24) "Service of Process" means deposit in the U.S. mail a copy of a notice addressed to the respondent at the respondent's last known address.

(25) "Single Family Dwelling" means a one-family dwelling structure.

(26) "Structure" means a building or shed with a roof and enclosed on the sides 75 percent or more.

(27) "Traction Boiler" means a boiler constructed before January 1, 1961, designed to operate or pull equipment, or to convert steam power into a flywheel energy driving apparatus such as a thresher, road roller, or grinding equipment.

(28) "Vessel That is Considered Subject to Corrosion or Erosion" means the vessel contains or is intended to contain contents having a corrosive or erosive effect on any portion of the vessel. The use of glass linings leaves a vessel subject to corrosion unless all portions of the vessel are impervious to the corrosive or erosive effects of the contents.

Stat. Auth.: ORS 455.030 & 480.545

Stats. Implemented: ORS 480.525, 480.545, 480.550,

480.560 & 480.565

Hist.: DC 17, f. 7-31-72, ef. 8-15-72; DC 3-1982, f. & ef. 2-3-82; DC 1-1984, f. & ef. 1-5-84; BCA 4-1989, f. & cert. ef. 4-17-89; Renumbered from 814-025-0003; BCA 4-1989, f. & cert. ef. 4-17-89; BCA 5-1991, f. & cert. ef. 3-15-91; BCA 36-1993, f. 12-30-93, cert. ef. 1-1-94; Renumbered from 918-225-0005; BCD 18-1997, f. 12-3-97, cert. ef. 1-1-98; BCD 26-1998, f. 12-30-98, cert. ef. 1-1-99; BCD 36-2000, f. 12-29-00, cert. ef. 1-1-01; BCD 4-2003, f. & cert. ef. 3-14-03; BCD 17-2005(Temp), f. & cert. ef. 7-12-05 thru 9-30-05; BCD 20-2005, f. 9-15-05, cert. ef. 10-1-05; BCD 14-2007, f. 12-28-07 cert. ef. 1-1-08; BCD 9-2009, f. 12-30-09, cert. ef. 1-1-10

Part V -- Fees and Permits

918-225-0600

Permits

(1) An installation permit is required before installing, altering, or repairing a nonexempt boiler or pressure vessel. Fees for installation permits are non-refundable.

(2) An operating permit or a temporary operation authorization is required before placing a nonexempt vessel into operation.

(3) An installation permit fee includes two inspections of the boiler or pressure vessel. An operating permit fee includes one external inspection of the boiler or pressure vessel and one internal inspection when both are required. If an inspection is scheduled, and the inspector is at the site but the boiler or pressure vessel is not ready or cannot be accessed, the rescheduled inspection will be at an additional cost. The fee for such inspections is the hourly rate specified in ORS 480.605.

(4) Permits to operate boilers or pressure vessels shall be issued periodically according to vessel type, based on the schedule established by the division in Table 1-A.

(5) Operating and installation permit fees are as shown in Table 3-B.

(6)(a) Operating permit fees not received within 90 days of the billing date may be considered delinquent and subject to a late penalty of double the fee amount. It is the equipment owner's responsibility to maintain a current operating permit. This responsibility includes notifying the division of address and other billing information changes. Late penalties may only be waived under exceptional circumstances.

(b) All waiver requests must be submitted in writing and must clearly state the reason for the request. A waiver may be granted for all or part of the additional fee.

(7) Prepaid permit application forms do not authorize work until the contractor provides the required information to the division for review and approval. Prior to beginning the intended installation, repair, or alteration, the contractor must notify the deputy or special inspector who will inspect the work. Work may not begin until the inspector has reviewed and approved the work to be performed.

(8) Upon receipt of permit approval:

(a) The permit must be posted at the job site before beginning the work; or

(b) The approved permit number must be posted at the job site and signed by the contractor.

(9) A permit issued under this rule is not transferable.

(10) This rule does not change the provisions for emergency permits in ORS 480.630(6). It is recommended, but not required, that emergency permits be reviewed and coordinated with the inspector responsible for inspecting the completed work.

NOTE: Table 1-A, Boiler and Pressure Vessel Operating Permit Periods, and Table 3-B, Boiler and Pressure Vessel

Permit Fees, are available on the division's Web site at <<http://www.bcd.oregon.gov/rules.html#oar>>.

Stat. Auth.: ORS 480.585, 480.595, & 480.605

Stats. Implemented: ORS 480.585, 480.595, 480.605, & 480.630

Hist.: BCA 36-1993, f. 12-30-93, cert. ef. 1-1-94; BCD 18-1997, f. 12-3-97, cert. ef. 1-1-98; BCD 14-2007, f. 12-28-07 cert. ef. 1-1-08; BCD 9-2009, f. 12-30-09, cert. ef. 1-1-10

918-225-0605

Installation, Alteration and Repair Permit Procedures

Repealed effective 1-1-10

918-225-0610

Fees for Permits and Inspections

Repealed effective 1-1-10

918-225-0620**Bulk Rate Permits**

(1) Bulk rate permits may be granted if there is a quantity of either six (6) or more boilers or six (6) or more pressure vessels at the same location.

(2) To obtain bulk rate permits, the owner or user must make a written request to the division at least 30 days before the expiration of existing operating permits.

(3) If a bulk rate site requires two or more inspections during an inspection cycle, the division may rescind bulk rate permits and charge the full operating permit fees, as provided in Table 3-B. Inspection cycles are listed in Table 1-B.

NOTE: Table 1-B, Boiler & Pressure Vessel Inspection Cycles, and Table 3-B, Boiler & Pressure Vessel Permit Fees, are available on the division's Web site at <<http://www.bcd.oregon.gov/rules.html#oar>>.

Stat. Auth.: ORS 480.600

Stats. Implemented: ORS 480.600

Hist.: DC 17-1982, f. 7-31-72, ef. 8-15-72; Renumbered from 814-025-0050; BCA 36-1993, f. 12-30-93, cert. ef. 1-1-94; Renumbered from 918-225-0120; BCD 9-2009, f. 12-30-09, cert. ef. 1-1-10

918-225-0630**Special Fee for Dryer Permits**

The operating permit fee for dryer rolls for a paper machine is \$5.50 per roll, if the machine is under the inspection requirements of ORS 480.600(2).

Stat. Auth.: ORS 480.600

Stats. Implemented: ORS 480.600

Hist.: DC 10-1981, f. & ef. 7-6-81; Renumbered from 814-025-0051; BCA 36-1993, f. 12-30-93, cert. ef. 1-1-94; Renumbered from 918-225-0125; BCD 18-1997, f. 12-3-97, cert. ef. 1-1-98; BCD 36-2000, f. 12-29-00, cert. ef. 1-1-01; BCD 9-2009, f. 12-30-09, cert. ef. 1-1-10

TABLE 1-A

BOILER & PRESSURE VESSEL OPERATING PERMIT PERIODS

1-year operating permit	Power boilers
2-year operating permit	Cast iron boilers Low pressure steam boilers Hot water heating & supply boilers Air tanks (greater than 20cf, 200 psi) CO2 tanks (greater than 20cf, 300 psi) CO2 tanks (20cf, 300 psi or less, located in places of public assembly) Unfired pressure vessels (not classified in OAR 918-225-0570(5), (6) and (7))
3-year operating permit	Anhydrous ammonia pressure vessels for farm use
5-year operating permit	Fixed air tanks (20 cf, 200 psi or less) CO2 tanks (20cf, 300 psi or less, not located in places of public assembly)

Table 1-B

BOILER & PRESSURE VESSEL INSPECTION CYCLES

1-year inspection cycle	Power boilers, internally and externally
2-year inspection cycle	Cast iron boilers, externally Low pressure steam boilers, internally and externally Hot water heating and hot water supply boilers, externally Pressure vessels subject to internal corrosion or erosion, internally (may be waived) and externally Pressure vessels not subject to internal corrosion or erosion but containing a hazardous substance, internally (may be waived) and externally Pressure vessels not subject to internal corrosion or erosion but located in a place of public assembly, internally (may be waived) and externally
3-year inspection cycle	Pressure vessels containing anhydrous ammonia for use as fertilizer
4-year inspection cycle	Portable pressure vessels, mounted on a motorized vehicle and containing only air (5 cf or less, 200 psi or less); internally (may be waived) and externally Pressure vessels not subject to internal corrosion or erosion, internally (may be waived) and externally
6-year inspection cycle	Hot water heating and hot water supply boilers, internally (when physical construction of the boiler allows) Fixed pressure vessels, containing only air (not in public assembly; 20 cf and 200 psi or less), internally (may be waived) and externally

Table 3-B
BOILER & PRESSURE VESSEL PERMIT FEES

Installation Permit Fees:

Boilers	\$175.00
Pressure Vessels	\$125.00
Beverage Service Tanks	\$50.00
Installation permit fee for insurance-inspected site	\$40.00

Operating Permit Fees:

Boilers on a 1-year inspection cycle	\$110.00
Boilers on a 2-year inspection cycle	\$110.00
Pressure vessels on a 2-year or 4-year inspection cycle	\$100.00
Pressure vessels on a 6-year inspection cycle	\$100.00
Boiler bulk rate permits (each)	\$75.00
Pressure vessels bulk rate permits (each)	\$75.00
Operating permit fee for insurance-inspected site	\$40.00

Other related fees:

Reinspection fee	\$75.00
Boiler or pressure vessel plans or data submission fee	\$78.00
Hourly rate for other inspections not listed above	\$75.00

DIVISION 400
SAFETY CODE FOR ELEVATORS

918-400-0270

Definitions, Cross Reference

(1) Statutory definitions for the elevator laws are in ORS 460.005.

(2) Electrical definitions are in ORS 479.530.

(3) Code definitions are in Section 1.3 of the adopted **Oregon Elevator Specialty Code** (ASME A17.1).

Stat. Auth.: ORS 460.085

Stats. Implemented: ORS 460.085

Hist.: BCD 18-1995, f. & cert. ef. 12-15-95; BCD 2-2005, f. 3-16-05, cert. ef. 4-1-05; BCD 9-2009, f. 12-30-09, cert. ef. 1-1-10

Board-Created Definitions

918-400-0280

Board-Created Definitions

For the purposes of OAR 918, division 400, unless the context requires otherwise, the following definitions are adopted:

(1) "Alteration" means a change of original design or operation through modernization, replacement of components or assemblies, or upgrade to existing equipment.

(2) "ANSI" means the American National Standards Institute.

(3) "Apprentice" means any person who is enrolled in an approved elevator apprenticeship program.

(4) "ASME" means the American Society of Mechanical Engineers.

(5) "Board" means the Electrical and Elevator Board.

(6) "BOLI" means the Bureau of Labor and Industries Apprenticeship and Training Division.

(7) "Conveyance" is the industry term for elevator and includes, but is not limited to, escalator, man lift, inclined elevator, dumbwaiter, lowerator, platform hoist, material lift, moving walk, platform or wheelchair lift, and chair lift.

(8) "Electrical equipment" means any device or group of components that is connected to a source of electrical power. Such devices include, but are not limited to, electro-mechanical switches, controllers, motors, car and hall fixtures, lighting fixtures, or any other component that has exposed electrical parts or connections either by design or when protective covers are removed.

(9) "Elevator Lobby" means the area in front of an elevator for waiting, boarding, disembarking, loading, and unloading.

(10) "Equipment testing" means safety tests required by the adopted safety standard and required to be performed by properly licensed elevator technicians.

(11) "Industrial plant" means a facility engaged in a manufacturing endeavor to make a finished product using raw materials, especially on a large industrial scale wherein elevators are located and maintained by authorized plant personnel.

(12) "Interactive testing and maintenance" means that which requires interaction with the technical components of controllers and machinery and except where allowed by law, interactive testing and maintenance checks must only be performed by licensed elevator personnel. This includes, but is not limited to, car and counterweight safety tests, pressure relief tests, buffer tests, brake tests, unintended car movement, and ascending car over speed tests.

(13) "License" means a document that signifies competency to install, repair, alter, or maintain elevator mechanical equipment within a particular field in the elevator industry.

(14) "Maintenance" means the renewal of operating parts, cleaning, lubricating, and adjusting

existing elevator equipment to ensure proper and safe operation as required by code.

(15) "Mitigating Circumstances" are caused by a lack of materials or labor and are beyond the reasonable control of a building owner or contractor.

(16) "Modernization" means replacing elevator equipment with equipment that is not of the same design.

(17) "Operational testing and maintenance" means that which requires measurement, observation, cleaning, and lubricating equipment that does not require disassembly or opening the equipment and must be permitted to be performed by authorized or licensed elevator personnel. This includes, but is not limited to, fire service tests, step/skirt index tests, cleaning and lubricating exposed surfaces, starting and stopping of equipment through normal means, smoke and heat detector tests, relamping and repairing car lighting fixtures, and monthly monitoring of hydraulic oil levels.

(18) "Operator" means an individual employed by a general contractor, elevator contractor, or owner to operate an elevator under a construction use permit.

(19) "Reciprocating conveyor" means:

(a) A self contained, power driven stationary device that moves objects on a platform equipped with safety guards; or

(b) A prepackaged, self contained unit, that moves individuals in a residence on a motorized chair, along a predetermined horizontal, inclined, or vertical path between loading and discharge points.

(A) "Prepackaged" means a reciprocating conveyor sold as a unit that:

(i) Requires no electrical installations as defined by ORS 479.530;

(ii) Requires minimal assembly; and

(iii) Is installed on a straight run stairway.

(B) For the purposes of this section, the definition does not include vertical wheelchair lifts.

(20) "Repair" means the restoration of an elevator to its original intended design, but not changing its operation or intended use.

(21) "Term" means a set period for each phase of training within an approved apprenticeship program.

(22) "Transferable experience" means experience, knowledge, and aptitude gained on equipment not governed by the Elevator Safety Law but is similar in construct and application to the types of equipment associated with the licensing requirements herein.

(23) "Vertical Reciprocating Lift" means a power driven, isolated, self contained stationary lift that meets the requirements of the **Oregon Elevator Specialty Code**, Vertical Reciprocating Lift Code.

(24) "Waiver" or "Variance" means a site-specific exception from code requirement granted under ORS 460.085.

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

Stat. Auth.: ORS 460.085

Stats. Implemented: ORS 460.085

Hist.: DC 25-1982, f. & ef. 12-16-82; Renumbered from 814-030-0003; BCD 18-1995, f. & cert. ef. 12-15-95; Renumbered from 918-400-005; BCD 13-1999, f. & cert. ef. 10-1-99; BCD 25-2000, f. 9-29-00, cert. ef. 10-1-00; BCD 21-2002(Temp), f. 8-30-02, cert. ef. 9-1-02 thru 2-27-03; BCD 34-2002, f. 12-20-02, cert. ef. 1-1-03; BCD 3-2003, f. 2-28-03, cert. ef. 3-1-03; BCD 17-2007, f. 12-28-07, cert. ef. 1-1-08; BCD 17-2008, f. 9-26-08, cert. ef. 10-1-08; BCD 9-2009, f. 12-30-09, cert. ef. 1-1-10

918-400-0340

Elevator Contractor License

A person seeking issuance or renewal of an elevator contractor license must:

(1)(a) Provide a list of the company's employees and their license numbers issued under ORS 460.057, 460.059, 460.061, or 479.630 who will be performing the installation, alteration, repair, and maintenance of elevator mechanical equipment; or

(b) Provide a list of employees who have applied and qualify for licensure under ORS 460.057, 460.061, or 479.630.

(2) Provide written documentation from the company's insurance carrier that the applicant is insured as an elevator contractor. The certificate of insurance, or its equivalent, required by this section must:

(a) Be a certified copy or original on the standard form issued by the insurance carrier;

(b) Include the insurance policy number, the insured's name, and the insurance company's name, address, and telephone number;

(c) Have clear information that the insurance company recognizes the insured as an elevator contractor and that the policy will cover the scope of elevator-related work in which the contractor is engaged; and

(d) Show proof of authorization from the insurance carrier that the division will be given notice upon any change to or cancellation of the insurance policy.

(3) Provide verification of the State Construction Contractors Board registration as an elevator company; and

(4) Pay applicable fees as required by OAR 918-400-0800.

Stat. Auth. ORS 460.085

Stats. Implemented: ORS 460.045 & 479.630

Hist.: BCD 25-2000, f. 9-29-00, cert. ef. 10-1-00; BCD 21-2002(Temp), f. 8-30-02, cert. ef. 9-1-02 thru 2-27-03; BCD 34-2002, f. 12-20-02, cert. ef. 1-1-03; BCD 12-2004, f. 8-20-04, cert. ef. 10-1-04; BCD 12-2004, f. 8-20-04, cert. ef. 10-1-04; BCD 17-2007, f. 12-28-07, cert. ef. 1-1-08; BCD 9-2009, f. 12-30-09, cert. ef. 1-1-10

918-400-0380

Limited Elevator and Reciprocating Conveyor Licenses

(1) Limited Elevator Mechanic License

(a) Pursuant to ORS 460.057, any person installing, altering, repairing, or maintaining elevator mechanical equipment prior to October 23, 1999, and who does not otherwise qualify for licensure herein, may be issued a limited elevator mechanic's license commensurate with their prior verifiable work experience if they apply in the manner established by the division in OAR chapter 918, division 30.

(b) The following may not be used to determine prior experience:

(A) Work on equipment not regulated by the Elevator Safety Law unless such prior experience is

considered to be transferable experience gained prior to October 23, 1999;

(B) The installation, alteration, repair, or maintenance of equipment installed in Oregon that was not lawfully permitted as required by the Elevator Safety Law;

(C) Work in Oregon while employed by a company not lawfully licensed as an elevator contractor in Oregon or not lawfully registered with the Construction Contractors Board; or

(D) Experience gained in violation of any other state law.

(c) Experience gained may be considered based on the following. Applicants must have been regularly engaged in the installation, alteration, repair, or maintenance on the type, or types, of equipment commensurate with the license being sought based on:

(A) Minimum of 4,000 hours "substantial experience" lawfully obtained on equipment covered by a limited elevator mechanic's license;

(B) "Substantial experience" for purposes of this rule, means verified evidence in the form of two separate notarized affidavits. One from an Oregon business attesting the person has been involved in 40 or more elevator projects and one from a CPA attesting that the business had at least \$75,000 of gross business prior to October 23, 1999. Nothing in this rule prevents an applicant from faxing or scanning and e-mailing documents.

(d) A license under this rule is limited to the scope of work for which the person has provided work experience acceptable to the division.

(2) Reciprocating Conveyor Mechanic License. Applicant must demonstrate 3,000 hours of "lawful work experience," as defined in OAR chapter 918, division 30, in the installation, alteration, repair, and maintenance of reciprocating conveyors. An applicant must apply for the license as required under OAR chapter 918, division 30.

(3) Restricted Reciprocating Conveyor Mechanic License. Applicant must apply to the division as required under OAR chapter 918, division 30.

(4) Exemption from Limited Elevator and Reciprocating Conveyor Licensing Requirements. A person installing the mechanical portion of a reciprocating conveyor defined in OAR 918-400-0280(19)(b) is not required to hold any kind of mechanic's license under the Elevator Safety Law. This section does not exempt the installation of reciprocating conveyors defined in OAR 918-400-0280(19)(b) from other applicable provisions of the Elevator Safety Law, including ORS 460.045.

Stat. Auth.: ORS 460.057, 460.061, & 460.085

Stats. Implemented: ORS 460.057 & 460.061

Hist.: BCD 21-2002(Temp), f. 8-30-02, cert. ef. 9-1-02 thru 2-27-03; BCD 34-2002, f. 12-20-02, cert. ef. 1-1-03; BCD 12-2004, f. 8-20-04, cert. ef. 10-1-04; BCD 8-2005, f. & cert. ef. 4-1-05; BCD 16-2006(Temp), f. 6-30-06, cert. ef. 7-1-06 thru 12-28-06; BCD 13-2006, f. 9-29-06, cert. ef. 10-1-06; BCD 17-2007, f. 12-28-07, cert. ef. 1-1-08; BCD 9-2009, f. 12-30-09, cert. ef. 1-1-10

918-400-0390

Apprentice Scope of Work

A person with an apprentice license issued under OAR 918-400-0385 must:

(1) Work consistent with the apprenticeship committee's requirements under ORS chapter 660 and these rules; and

(a) Engage only in cleaning, lubrication, painting, relamping fixtures, and replacing of comb plate teeth of existing installations with limited supervision after completing:

(A) At least 2,000 hours (12 months) of work experience;

(B) The appropriate related instruction for two periods; and

(C) Is evaluated and authorized to do this type of work by the apprenticeship committee; or

(b) The apprentice engages only in installation, alteration, maintenance, and repair with limited supervision after completing:

(A) 4,000 hours of work experience;

(B) The appropriate related classroom instruction; and

(C) Is evaluated and authorized by the committee.

(2) As apprentices progress through each phase, they may be authorized to participate in work processes of the preceding phase provided they have been evaluated and authorized by the apprenticeship committee to do the specific type of work.

(3) A person enrolled in a board-approved apprenticeship program, who has been issued an apprentice card by BOLI, shall be considered licensed under ORS 460.059.

Stat. Auth.: ORS 460.059 & Chapter 660

Stats. Implemented: ORS 460.059, 460.085, & 479.630

Hist.: BCD 21-2002(Temp), f. 8-30-02, cert. ef. 9-1-02 thru 2-27-03; BCD 34-2002, f. 12-20-02, cert. ef. 1-1-03; BCD 12-2004, f. 8-20-04, cert. ef. 10-1-04; BCD 9-2009, f. 12-30-09, cert. ef. 1-1-10

918-400-0395

Apprenticeship Program Requirements

In order to obtain board approval of an individual elevator apprentice program, the following requirements must be met:

(1)(a) On-the-job training installing, repairing, altering, and maintaining elevator mechanical equipment in the following work categories and minimum hours:

(A) Basic construction and maintenance safety and tools -- 150 hours;

(B) Blue print reading -- 150 hours;

(C) Material handling -- hoisting and rigging -- 150 hours;

(D) Guide rail systems installation and maintenance -- 150 hours;

(E) Drive machines and systems; overhead equipment including beams and sheaves -- 150 hours;

(F) Hydraulic systems and control valves -- 150 hours;

(G) Car frames, platforms, and enclosures -- 150 hours;

(H) Doors, entrances, and operators -- 150 hours;

(I) Adjusting elevator systems -- 150 hours;

(J) Maintenance and periodic testing requirements -- 150 hours;

(K) Alteration of existing equipment -- 150 hours;

(L) Structure and operation of escalators and moving walks -- 150 hours; and

(M) Installing related equipment such as dumbwaiters, wheelchair lifts, and material lifts -- 150 hours.

(b) Total Hours Required. Total work experience must be at least 4,000 hours. No more than 300 percent credit is allowed under paragraphs (A) through (M) for any one subject.

(2) Required Educational Training. 144 hours of classroom instruction must be provided each year covering the following subjects. Individuals are required to obtain grades of "C" or better in graded classes and a "pass" in non-graded classes for the following subjects:

(a) Basic construction and maintenance safety;

(b) Blueprint reading;

(c) Code-related requirements;

(d) Equipment testing procedures;

(e) Guide rail systems installation and maintenance;

(f) Pit equipment and maintenance;

(g) Car frames, platforms, and enclosures;

(h) Hoisting and rigging;

(i) Overhead equipment including beams and sheaves;

(j) Hoist ropes and roping procedures;

(k) Structure and operation of escalators and moving walks;

(l) Drive machines and components;

(m) Hydraulic systems and control valves; and

(n) Traction machines and components.

Stat. Auth.: ORS 460.059

Stats. Implemented: ORS 460.059, 460.085, & ORS 479.630

Hist.: BCD 21-2002(Temp), f. 8-30-02, cert. ef. 9-1-02 thru 2-27-03; BCD 34-2002, f. 12-20-02, cert. ef. 1-1-03; BCD 12-2004, f. 8-20-04, cert. ef. 10-1-04; BCD 9-2009, f. 12-30-09, cert. ef. 1-1-10

918-400-0445

Code References

(1) Where an **Oregon Elevator Specialty Code** refers to the latest edition of another code, has words of similar import, or does not provide a fixed edition adoption date, the reference must be to the applicable code in place on the same date the same provision of the **Oregon Elevator Specialty Code** was adopted.

(2) References to the following codes in the **Oregon Elevator Specialty Code** mean:

(a) “NFPA 70, National Electrical Code” is replaced by the “**Oregon Electrical Specialty Code**”;

(b) “International Residential Code” is replaced by the “**Oregon Residential Specialty Code**”; and

(c) “International Building Code” is replaced with the “**Oregon Structural Specialty Code.**”

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

Stat. Auth.: ORS 455.030 & 460.085

Stats. Implemented: ORS 460.085

Hist.: BCD 181995, f. & cert. ef. 12-15-95; BCD 13-1999,

f. & cert. ef. 10-1-99, Renumbered from 918-400-0510;

BCD 9-2009, f. 12-30-09, cert. ef. 1-1-10

Plan Review

918-400-0525

Plan Review Requirements

Plans and pertinent data submitted to the department under ORS 460.048 must include proof that the elevator equipment meets the **Oregon Elevator Specialty Code** by providing the following information:

- (1) Electrical product certification by providing;
 - (a) The listing or certification number and identification of the approved laboratory that tested the equipment;
 - (b) When applicable, date and identification of the electrical special deputy who certified the equipment to the **Oregon Elevator Specialty Code** electrical requirement;or
 - (c) Proof that requests for listing or certification are pending.
 - (2) For the purpose of complying with plan submittal requirements of ORS 460.048, and when applicable to the type of equipment being proposed, a complete set of drawings must include:
 - (a) Elevation view;
 - (b) Plan view;
 - (c) Machine room layout (when applicable to the type of equipment);
 - (d) Cab and fixture detail;
 - (e) Hoistway entrance detail; and
 - (f) Electrical straight line wiring diagrams showing, as a minimum, safety circuits, normal and final limit circuits, and door lock circuits, which must include circuitry required by the **Oregon Elevator Specialty Code**.

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

Stat. Auth.: ORS 460.085

Stats. Implemented: ORS 460.048

Hist.: BCD 21-1994, f. 9-13-94, cert. ef. 9-15-94; BCD 18-1995, f. & cert. ef. 12-15-95; Renumbered from 918-400-0120; BCD 13-1999, f. & cert. ef. 10-1-99, Renumbered from 918-400-0610; BCD 3-2003, f. 2-28-03, cert. ef. 3-1-03; BCD 2-2005, f. 3-16-05, cert. ef. 4-1-05; BCD 9-2009, f. 12-30-09, cert. ef. 1-1-10

918-400-0630

Provisional Permits for Elevators Under Construction

- (1) A construction-use (workman's) permit is only issued to an elevator contractor while the elevator is under construction and may be granted under the following conditions:
 - (a) The elevator must only be used for transportation of workers and materials necessary for the physical construction and inspection of the site and may not be used by the general public;
 - (b) Notification must be given to the division before making any elevator changes, except those necessary to complete construction of the elevator;

(c) The installation meets all requirements of the **Oregon Elevator Specialty Code**;

(d) An operator is provided for all elevator operations unless the elevator meets all requirements for normal operations; and

(e) The provisional permit must be:

(A) Specific to a particular elevator; and

(B) Attached to the car enclosure in plain view.

(2) Notwithstanding any expiration date placed on a provisional permit, the permit automatically terminates upon issuance of an operating permit.

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

Stat. Auth.: ORS 460.085

Stats. Implemented: ORS 460.055

Hist.: BCD 18-1995, f. & cert. ef. 12-15-95; BCD 13-1999, f. & cert. ef. 10-1-99, Renumbered from 918-400-0450; BCD 3-2003, f. 2-28-03, cert. ef. 3-1-03; BCD 2-2005, f. 3-16-05, cert. ef. 4-1-05; BCD 9-2009, f. 12-30-09, cert. ef. 1-1-10

918-400-0660

Operating Permits

Operating permits that expire on or before September 30, 2007 are not affected by these rules.

(1) Operating permits are issued periodically based on the inspection intervals established by the division in Table 1-A, effective October 1, 2007.

(2) The division uses the following criteria to set elevator inspection intervals, which may include but are not limited to the following:

- (a) Accidents and injuries;
- (b) Commercial and public assembly structures;
- (c) Special residency occupancies, schools, hospitals;
- (d) Type of elevator;
- (e) Passenger or freight conveyances;
- (f) Construction only purpose elevators; and
- (g) Environmental conditions.

(3) The division may refuse to issue an operating permit if:

- (a) Inspections are not satisfactorily completed; or
- (b) Permit fees have not been received.

(4) The elevator-operating permit, or copy of the permit, must be posted in clear view in the elevator. A sign may be substituted providing the sign indicates the on-site location where the actual operating permit may be inspected during normal business hours.

NOTE: Table 1-A, Elevator Inspection Frequencies, is available on the division's Web site at <<http://www.bcd.oregon.gov/rules.html#oar>>.

Stat. Auth.: ORS 460.085

Stats. Implemented: ORS 460.055, 460.065, 460.085, 460.125

Hist.: DC 25-1982, f. & ef. 12-16-82; Renumbered from 814-030-0040; BCA 41-1991(Temp), f. 12-13-91, cert. ef. 12-15-91; BCA 7-1992, f. & cert. ef. 4-10-92; BCD 18-1995, f. & cert. ef. 12-15-95; Renumbered from 918-400-0065; BCD 13-1999, f. & cert. ef. 10-1-99, Renumbered from 918-400-0420; BCD 8-2006, f. 6-30-06, cert. ef. 7-1-06; BCD 8-2007, f. 7-13-07, cert. ef. 10-1-07; BCD 9-2009, f. 12-30-09, cert. ef. 1-1-10

918-400-0662

Renewals

(1) Operating permit fees not received within 90 days of the billing date may be considered delinquent and subject to a late penalty of double the fee amount. It is the equipment owner's responsibility to maintain a current operating permit. This responsibility includes notifying the division of address and other billing changes. Late penalties may only be waived under exceptional circumstances.

(2) All waiver requests must be submitted in writing and must clearly state the reason for the request. A waiver may be granted for all or part of the additional fee.

Stat. Auth.: ORS 460.085

Stats. Implemented: ORS 460.165

Hist.: BCD 9-2009, f. 12-30-09, cert. ef. 1-1-10

918-400-0740

Taking Elevators Out of Service

Except as provided in OAR 918-400-0275, a person wishing to take an elevator out of service must:

(1) Within 30 days of taking an elevator out of service, notify the division in writing of the date the elevator was taken out of service; and

(2) Within 12 months from the date the elevator is taken out of service, disable it as an "installation placed out of service," described in the **Oregon Elevator Specialty Code**.

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

Stat. Auth.: ORS 460.085

Stats. Implemented: ORS 460.085

Hist.: BCD 18-1995, f. & cert. ef. 12-15-95; BCD 13-1999, f. & cert. ef. 10-1-99, Renumbered from 918-400-0560; BCD 3-2003, f. 2-28-03, cert. ef. 3-1-03; BCD 2-2005, f. 3-16-05, cert. ef. 4-1-05; BCD 9-2009, f. 12-30-09, cert. ef. 1-1-10

Fees

918-400-0800

Fees

(1) Subject to section (2) of this rule, the following elevator fees are adopted effective July 1, 2009 under ORS 460.165:

(a) Elevator contractor's license, \$585 for application or renewal;

(b) Plan reviews, when required, \$78;

(c) Operating permits for:

(A) Dumbwaiters, sidewalk elevators, residential elevators, residential incliners, or subveyors, \$60;

(B) Escalators, lowerators, manlifts, stagelifts, inclined elevators, platform hoists, or moving walks, \$98;

(C) Power-driven elevators with a four-floor rise or under, \$88;

(D) Power-driven elevators with over a four-floor rise, but under a 10-floor rise, \$108;

(E) Power-driven elevators with a 10-floor rise or over, but under a 20-floor rise, \$134;

(F) Power-driven elevators with a 20-floor rise or over, \$157.

(d) Reinspections on a mechanism in section (1)(c) of this rule made by request or in continued existence of a defect, \$75;

(e) For special inspections, testing, consultations, site visits, or other services for which no fee is otherwise specified, \$75 per hour for travel and inspection time;

(f) For the installation or alteration of an elevator, if the total cost of the installation or alteration other than the inspection fee, is:

(A) \$1,000 or under -- \$98;

(B) \$1,001 to \$14,999 -- \$98, plus \$13 for each \$1,000 or fraction of \$1,000 by which the cost exceeds \$1,000;

(C) \$15,000 to \$49,999 -- \$280, plus \$8 for each \$1,000 or fraction of \$1,000 by which the cost exceeds \$15,000;

(D) \$50,000 or over -- \$553, plus \$3 for each \$1,000 or fraction of \$1,000 by which the cost exceeds \$50,000.

(2) Elevator alterations.

(a) No fee shall be charged when an alteration is limited to fixture upgrades to meet state-adopted accessibility standards;

(b) No fee shall be charged where the alteration is limited to the car interior upgrades that do not alter the gross weight of the car more than five percent;

(c) When a group of elevators under common group control is proposed for an upgrade, and the same upgrade is proposed for all cars in the group, the inspection fee shall be the contract valuation for the entire elevator upgrade project rather than the higher separate inspection fee for each elevator in the group; and

(d) Where the upgrade for a group of elevators is not identical for each elevator, the fees shall be calculated separately based on the contract valuation for each elevator.

(3) Plan Review Fees. Where a complete set of drawings shows all elevators affected by the proposed installation or alteration, only one plan review fee shall be required rather than a separate fee for each elevator.

(4) Limited Elevator Mechanic's License. The following fee applies to the license issued under OAR 918-400-0380(1): \$60 for application or renewal.

(5) Reciprocating Conveyor Mechanic's Licenses. The following fees apply to licenses issued under OAR 918-400-0380(2) and (3):

(a) Reciprocating Conveyor Mechanic's license, \$300 for application or renewal;

(b) Restricted Reciprocating Conveyor Mechanic's license, \$50 for application or renewal.

Stat. Auth.: ORS 460.085

Stats. Implemented: ORS 460.061 & 460.165

Hist.: DC 25-1982, f. & ef. 12-16-82; Renumbered from 814-030-0030; BCA 21-1991(Temp), f. 6-14-91, cert. ef. 7-1-91 thru 12-27-91; BCA 29-1991, f. & cert. ef. 8-30-91; BCD 18-1995, f. & cert. ef. 12-15-95; Renumbered from 918-400-0050; BCD 11-1996(Temp), f. & cert. ef. 7-1-96; BCD 27-1996, f. & cert. ef. 12-4-96; BCD 10-1998(Temp), f. 6-2-98, cert. ef. 7-1-98 thru 12-27-98; BCD 25-1998, f. 12-22-98, cert. ef. 12-27-98; BCD 13-1999, f. & cert. ef. 10-1-99; BCD 14-2000(Temp), f. 7-20-00, cert. ef. 8-1-00 thru 1-27-01; BCD 25-2000, f. 9-29-00, cert. ef. 10-1-00; BCD 21-2002(Temp), f. 8-30-02, cert. ef. 9-1-02 thru 2-27-03; BCD 34-2002, f. 12-20-02, cert. ef. 1-1-03; BCD 12-2004, f. 8-20-04, cert. ef. 10-1-04; BCD 17-2007, f. 12-28-07, cert. ef. 1-1-08; BCD 9-2009, f. 12-30-09, cert. ef. 1-1-10

**Table 1-A
Elevator Inspection Frequencies**

1-year inspection interval	2-year inspection interval	3-year inspection interval
Escalator Inclined Elevator Belt Manlift Moving Walk	Rack & Pinion Sidewalk Elevator Sidewalk Material Lift Special Purpose Personnel Elevator Freight-Hydraulic Freight-Electric Passenger-Hydraulic Passenger-Electric	Stairway Chairlift Dumbwaiter Limited-Use Limited Application Material Lift Vertical Reciprocating Lift Vertical Wheelchair Lift Inclined Wheelchair Lift Stage Lift