

**DIVISION 400
SAFETY CODE FOR ELEVATORS**

918-400-0200**Notice of Rule Making**

The following persons shall be provided all elevator-related rulemaking notices at no charge:

- (1) All active Oregon licensed elevator contractors;
- (2) All Oregon state elevator inspectors; and
- (3) International Union of Elevator Constructors, Locals 19 (Seattle), 23 (Portland) and 38 (Salt Lake City).

Stat. Auth.: ORS 183.335

Stats. Implemented: ORS 183.335

Hist.: BCD 18-1995, f. & cert. ef. 12-15-95; BCD 13-1999, f. & cert. ef. 10-1-99

918-400-0210**Compliance with ORS 183.330**

- (1) This rule is required by ORS 183.330:

(a) General Offices. The general office of the Building Codes Division is at 1535 Edgewater NW, mailing address P.O. Box 14470, Salem, Oregon 97309. The general telephone number is (503) 378-4133; FAX (503) 378-2322. Requests for information or documents should be directed to this office;

(b) Elevator Inspection. The elevator inspection program of the division is managed by the Statewide Services Manager who reports to the division administrator. The Chief Elevator Inspector is responsible for staff coordination and interpretations. The elevator inspection staff is located at the Salem office or operate in their assigned areas. Inspection requests should be directed to the inspector for the area or the Salem office.

(2) Elevator Code Interpretation and Enforcement. Elevator code development, interpretation and enforcement are under the authority of the division administrator at the general office:

(a) Requests to be placed on the Electrical and Elevator Board agenda and requests for adoption or amendment of elevator rules should be directed to the Chief Elevator Inspector and Board Secretary (the Chief Electrical Inspector) at the general office;

(b) Requests for informal elevator interpretation shall be directed to the Chief Elevator Inspector.

(3) Miscellaneous Fees. Requests and payment of fees for placement on the Electrical and Elevator Board meeting notice list or the elevator rule making notice list should be directed to the Building Codes Division general office.

Stat. Auth.: ORS 183.330

Stats. Implemented: ORS 183.330

Hist.: BCD 18-1995, f. & cert. ef. 12-15-95; BCD 13-1999, f. & cert. ef. 10-1-99

Hearings and Adjudicatory Procedures

918-400-0220**Attorney General Model Rules of Procedure**

The Attorney General's Model Rules of Procedure, as adopted by the division in OAR 918-001-0010, apply in all contested cases.

Stat. Auth.: ORS 183.341

Stats. Implemented: ORS 183.341

Hist.: DC 25-1982, f. & ef. 12-16-82; DC 1-1985, f. & ef. 1-4-85, Renumbered from 814-030-0050; BCD 18-1995, f. & cert. ef. 12-15-95; Renumbered from 918-400-0075

918-400-0240**Appeals under ORS 460.155**

When an appeal is filed under ORS 460.155, formal contested case proceedings will be provided to the appellant.

(1) A hearing officer will hear the appeal and provide a report and recommendations to the board and the administrator.

(2) The board considers the report and exceptions, if any are filed, and provides recommendations to the administrator.

(3) The administrator enters a final order.

Stat. Auth.: ORS 460.155

Stats. Implemented: ORS 460.155

Hist.: BCD 18-1995, f. & cert. ef. 12-15-95

Cross Reference to Statutory Definitions

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

918-400-0275**Accident Reporting**

(1) The division or Chief Elevator Inspector shall be notified of an elevator injury to a person or persons.

(2) The elevator shall be placed out of service following an injury to a person or persons. The elevator or any part of its equipment shall not be changed or

altered, repaired or moved, except to give emergency aid or assistance to the injured person or persons.

(3) The elevator shall not be returned to service without permission from the division.

Stat. Auth.: ORS 460.085

Stats. Implemented: ORS 460.045

Hist.: DC 25-1982, f. & ef. 12-16-82; Renumbered from

814-030-0060; BCD 18-1995, f. & cert. ef. 12-15-95;

Renumbered from 918-400-0085; BCD 13-1999, f. & cert.

ef. 10-1-99, Renumbered from 918-400-0700

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

Licenses and Inspector Certifications

918-400-0320

Examination for Inspectors

(1) Applicants for a certificate of competency as a division elevator inspector, or an employee or representative of a casualty insurance company, shall pass a written examination; and one of the following:

(a) Pass a practical examination, which tests knowledge of elevator equipment and the proper operation of elevators;

(b) Be a Quality Elevator Inspector certified through an ASME approved certification program; or

(c) Demonstrate previous elevator industry experience to the satisfaction of the division.

(2) If the applicant fails either the written or practical examination, applicant may retake the failed portion within 180 days of the original test date. After 180 days the applicant may reapply and retake all the tests.

Stat. Auth.: ORS 460.085

Stats. Implemented: ORS 460.055

Hist.: DC 25-1982, f. & ef. 12-16-82; Renumbered from 814-030-0045; BCD 18-1995, f. & cert. ef. 12-15-95; Renumbered from 918-400-0070; BCD 13-1999, f. & cert. ef. 10-1-99, Renumbered from 918-400-0470

918-400-0330

Interpretation — Scope of License

The construction or modification of a hoistway enclosure or machine room enclosure that does not involve alteration, repair or maintenance of an elevator does not require an elevator contractor's license. However, the alteration to these structures must comply with applicable sections of the current adopted editions of the **Oregon Elevator Specialty Code** and the **Oregon Structural Specialty Code**.

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

Stat. Auth.: ORS 460.085

Stats. Implemented: ORS 460.045

Hist.: BCD 18-1995, f. & cert. ef. 12-15-95; BCD 13-1999, f. & cert. ef. 10-1-99, Renumbered from 918-400-0480

918-400-0333

Scope of Elevator Licensing

This rule lays out the licensing requirements for persons performing electrical and mechanical work on elevators.

(1) Electrical Elevator Contractor. Only a contractor licensed under ORS 479.630(1) and OAR 918-282-0017 may engage in the business of performing electrical work on an elevator.

(2) Elevator Contractor. Only an elevator contractor licensed under ORS 460.045(1) may engage in the business of performing mechanical work on an elevator.

(3) Limited Elevator Journeyman. A limited elevator journeyman licensed under ORS 479.630(6) may perform electrical and mechanical installation, maintenance and repair work on an elevator.

(4) Limited Elevator Mechanic. A limited elevator mechanic licensed under ORS 460.057 is restricted to the installation, alteration, repair and maintenance of a specific type, or types, of elevator mechanical equipment, in accordance with OAR 918-400-0380.

(5) Elevator Apprentice. An elevator apprentice licensed under ORS 460.059 is restricted to assisting a limited elevator mechanic in performing mechanical work on elevators, in accordance with OAR 918-400-0390.

(6) Reciprocating Conveyor Mechanic. A reciprocating conveyor mechanic licensed under Chapter 642 (2007 Oregon Laws) is restricted to the installation, alteration, repair and maintenance of the mechanical portions of reciprocating conveyors.

(7) Restricted Reciprocating Conveyor Mechanic. A restricted reciprocating conveyor mechanic licensed under Chapter 642 (2007 Oregon Laws) is restricted to the installation, alteration, repair and maintenance of the mechanical portions of reciprocating conveyors under the supervision of a person holding a reciprocating

conveyor mechanic license. "Supervision" means the person supervised is in the physical presence of a qualified licensed person at the job site.

Stat. Auth.: ORS 460.047, 460.057, 460.059 & 460.085
Stats. Implemented: ORS 460.005 - 460.175, 479.630 & Chapter 642 (2007 Oregon Laws)

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 17-2007, f. 12-28-07, cert. ef. 1-1-08

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

918-400-0385

Elevator Apprentice License

(1) Apprentices shall meet the following minimum requirements:

(a) Be 17 years of age to apply, 18 years of age to indenture;

(b) Have a high school diploma, GED or international equivalency; and

(c) Shall be licensed.

(2) Apprentice license:

(a) Shall be issued to individuals enrolled in registered apprenticeship programs approved by the board and the Oregon State Apprenticeship and Training Council under ORS Chapter 660;

(b) Will be suspended upon completion or termination from an approved apprentice program.

Stat. Auth.: ORS 460.057 & 460.085

Stats. Implemented: ORS 460.005 - 460.175

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

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

Codes — General Applicability

918-400-0435

Governing Codes

(1) The applicable code to which an elevator is inspected for installation or alteration shall be:

(a) The **Oregon Elevator Specialty Code** in effect when plans, pertinent data and fees are received by the division; or

(b) Where conflicts arise between specialty codes, the following may be used to determine which code applies:

(A) The Oregon Elevator Specialty Code in effect at the time the electrical permit was issued impacting the installation of the elevator; or

(B) The Oregon Elevator Specialty Code in effect at the time the structural permit was issued impacting the elevator.

(c) The governing code for elevator installations or alterations following an expired permit shall be the Oregon Elevator Specialty Code in effect at the time of the new submittal.

(2) The governing code for inspections of existing elevators related to issuance of operating permits shall be as provided in OAR 918-400-0465. This same requirement applies for elevators placed back into service.

[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 918-400-0500

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

General Elevator Specialty Code

918-400-0455

Adopted Oregon Elevator Specialty Code

(1) Effective January 1, 2012, the **2011 Oregon Elevator Specialty Code** is comprised of:

- (a) The Oregon Specialty Lift Code, 2005 edition; and
- (b) Four national model codes published by the American Society of Mechanical Engineers (ASME), as amended by the Building Codes Division in OAR 918-400-0458, which are the:
- (A) Safety Code for Elevators and Escalators, ASME A17.1-2010;
- (B) Guide for Inspection of Elevators, Escalators and Moving Walks, ASME A17.2-2010;
- (C) Standard for Elevator Suspension, Compensation, and Governor Systems, ASME 17.6-2010;
- (D) Safety Standard for Platform Lifts and Stairway Chairlifts, ASME A18.1-2008; and
- (E) Safety Standard for Belt Manlifts, ASME A90.1-2009.

(2)(a) Referenced standards referred to within adopted national model codes shall recognize the latest Oregon adopted edition unless otherwise specified in this rule.

(b) Notwithstanding any licensing or certification provisions contained in the model codes adopted in subsection (1) of this section for inclusion in the **Oregon Elevator Specialty Code**, the standards and requirements applicable to elevator business and trade licenses, as well as inspector certifications, issued by the Building Codes Division are established in ORS chapters 455, 460, and 479, and OAR chapter 918, divisions 30, 90, and 282.

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

Stat. Auth.: ORS 455.030 & 460.085

Stats. Implemented: ORS 455.030 & 460.085

Hist.: DC 25-1982, f. & ef. 12-16-82; DC 12-1986(Temp), f. & ef. 7-8-86; DC 10-1987, f. & ef. 4-13-87; Renumbered from 814-030-0005; BCA 35-1989, f. 12-22-89, cert. ef. 1-1-90; BCA 7-1992, f. & cert. ef. 4-10-92; BCA 26-1992, f. 12-29-92, cert. ef. 1-1-93; BCA 13-1993(Temp), f. 6-23-93, cert. ef. 7-1-93; BCA 17-1993, f. 8-24-93, cert. ef. 9-1-93; BCA 24-1993, f. 10-22-93, cert. ef. 11-1-93; BCA 35-1993, f. 12-14-93, cert. ef. 1-1-94; BCD 21-1994, f. 9-13-94, cert. ef. 9-15-94; BCD 18-1995, f. & cert. ef. 12-15-95; Renumbered from 918-400-0010; BCD 3-1997, f. 3-18-97, cert. ef. 4-1-97; BCD 20-1997, f. 12-24-97, cert. ef. 1-1-98; BCD 13-1999, f. & cert. ef. 10-1-99, Renumbered from 918-400-0520; 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 17-2006, f. 12-29-06, cert. ef. 1-1-07; BCD 34-2008, f. 12-31-08, cert. ef. 1-1-09; BCD 33-2011, f. 12-30-11, cert. ef. 1-1-12

918-400-0458

Amendments to the Oregon Elevator Specialty Code

(1) The **Oregon Elevator Specialty Code**, adopted at OAR 918-400-0455, is amended pursuant to OAR

chapter 918, division 8. Amendments to the **Oregon Elevator Specialty Code** are provided in this rule, along with the title of the amended code and a descriptive caption of the amendment.

(2) Effective January 1, 2011, the Safety Code for Elevators and Escalators, ASME A17.1-2010, is amended by the adoption of Oregon specific amendments. The Oregon specific amendments are published in their entirety at [Table 2-L](#).

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

Stat. Auth.: ORS 455.030 & 460.085

Stats. Implemented: ORS 455.030 & 460.085

Hist.: BCD 17-2006, f. 12-29-06, cert. ef. 1-1-07; BCD 34-2008, f. 12-31-08, cert. ef. 1-1-09; BCD 33-2011, f. 12-30-11, cert. ef. 1-1-12

918-400-0465

Elevator Maintenance Requirements

(1) The governing code for the repair and maintenance of existing elevators and for placing elevators back in service shall be the Oregon Elevator Specialty Code for Existing Elevators and Escalators in the 2002 Edition of ASME A17.3 published by the American Society of Mechanical Engineers, as amended by the Building Codes Division.

(2) Exceptions

(a) Where ASME A17.3 fails to clearly define or govern a specific device or type of conveyance, the code under which the unit was installed, or the latest alteration code, if applicable, shall be used;

(b) The 1937 code applies to devices installed prior to March 1937.

(3) When elevator signal fixtures are altered, all elevator signal fixtures, car handrail(s), and two-way communication device(s) shall be brought into compliance with the applicable disability regulations in the Oregon Structural Specialty Code.

(4) All requirements for periodic safety tests, repair of existing devices and maintenance shall be brought into compliance within the time period required in the periodic inspection report.

(5) Except as provided in section (4) of this rule, the maximum time allowed to comply with new maintenance standards for existing elevators shall not be more than 24 months from date of periodic inspection except:

(a) The replacement of hand line control as required by ASME A17.3, Item 3.10.1 shall be allowed a maximum of 36 months to comply.

(b) All existing elevator hoistway gates or doors required to comply with ASME A17.3, Item 2.6.1 and car doors or gates required to comply with Item 3.4.2(a) shall meet the minimum 72-inch (1828.8 mm) height requirement within 60 months from the date of the

periodic safety inspection following effective date of this rule, or when the gate requires complete replacement, whichever comes first.

(c) All elevators required by ASME A17.3, Item 3.11.3 to have fire fighters' service shall comply with this rule within 60 months from date of the periodic safety inspection.

(d) All passenger elevators and freight elevators allowed to carry passengers permitted after January 1, 1993, shall comply with ASME A17.3, Item 3.11.1. Elevators not in compliance with the applicable chapter of the Oregon Structural Specialty Code for elevator communication devices as of January 1, 1993, shall have 24 months from date of periodic inspection to install the proper communicating device.

(e) Compliance extensions beyond the limits set in this section may be granted where, because of material shortages or extent of required changes, the additional time is necessary to achieve compliance.

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

Stat. Auth.: ORS 460.085, 455.117

Stats. Implemented: ORS 460.085, 455.117

Hist.: DC 25-1982, f. & ef. 12-16-82; Renumbered from 814-030-0075; BCD 18-1995, f. & cert. ef. 12-15-95; Renumbered from 918-400-0100; BCD 3-1997, f. 3-18-97, cert. ef. 4-1-97; BCD 13-1999, f. & cert. ef. 10-1-99, Renumbered from 918-400-0530; 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 8-2006, f. 630-06, cert. ef. 7-1-06

918-400-0475

Interpretation — Accessibility

Federal and state accessibility requirements apply to the installation and operation of elevators.

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 918-400-0710

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

918-400-0535

Installation and Alteration Permits — Interpretation

(1) ORS 460.045 and 460.048 contain the requirements for division approval of plans and pertinent data and for a current operating permit before placing certain elevators in use.

(2) For the purposes of the elevator laws and rules, the written approval of plans and pertinent data and permission to commence with installation or alteration is a permit.

Stat. Auth.: ORS 460.045 & 460.048

Stats. Implemented: ORS 460.045 & 460.048

Hist.: BCD 18-1995, f. & cert. ef. 12-15-95; BCD 13-1999, f. & cert. ef. 10-1-99, Renumbered from 918-400-0400

918-400-0545

Permits for Installation or Alteration

(1) A permit issued for installation or alteration of an elevator shall automatically expire 18 months from date of issuance unless the physical installation or alteration started before the end of the 18th month.

(2) Two unconditional six-month permit extensions may be granted on written request by the elevator contractor, if the extension is requested prior to the permit expiration date.

(3) Upon expiration of a permit, a new application, new plans, pertinent data and associated fees are required.

(4) Fees shall not be refunded for expired permits.

Stat. Auth.: ORS 460.045

Stats. Implemented: ORS 460.045

Hist.: BCD 18-1995, f. & cert. ef. 12-15-95; BCD 13-1999, f. & cert. ef. 10-1-99, Renumbered from 918-400-0410

Inspections

918-400-0600

Initial Inspections

(1) The division shall perform all initial inspections of a new or altered elevator regulated by ORS 460.005 to 460.175.

(2) Prior to all required final inspections, the elevator contractor or person holding the installation or alteration permit shall call for an inspection. Inspections shall be scheduled as soon as resources are available. Where new installation and alteration sites are located more than one hour travel, one-way, from an inspector's duty station, the contractor shall schedule inspections allowing the inspector to return to the duty station no later than end of business day on Friday or day preceding a holiday.

(3) Prior to the scheduled date of the final inspection, the elevator contractor is required to ensure that the installation of the equipment is complete and fully operational according to applicable codes. The elevator inspector is not obliged to continue an inspection where such evidence is not readily apparent.

(4) When the inspector discontinues an inspection because the installation fails inspection or is not ready for final inspection, the elevator contractor or general contractor shall be charged at the rate provided for in OAR 918-400-0800. Charges shall include all time expended, portal-to-portal, toward such inspections, but no less than 4 hours.

Stat. Auth.: ORS 460.085

Stats. Implemented: ORS 460.125

Hist.: DC 25-1982, f. & ef. 12-16-82; Renumbered from 814-030-0065; BCD 18-1995, f. & cert. ef. 12-15-95; Renumbered from 918-400-0090; BCD 13-1999, f. & cert. ef. 10-1-99

918-400-0620

General Policies Regarding Provisional Permits

(1) Provisional permits shall be issued only when requested by or agreed to by the contractor, owner or operator and the division, as relevant.

(2) When a provisional permit is issued, the division shall place documentation in the file that it considered whether any immediate hazard to health or safety existed and determined that none existed.

(3) Provisional permits shall be issued to allow corrections of items that do not meet code requirements.

Stat. Auth.: ORS 460.055

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 918-400-0430

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

918-400-0640**Provisional Permits for New Installations**

With the exception of private residence installations, a provisional permit may be granted to correct violations of the **Oregon Elevator Specialty Code** for a new or altered elevator installation, subject to the following:

(1) A written request for the provisional permit is made to the division by the permit holder or the general contractor prior to the commencement of any elevator inspections. If granted, the provisional permit shall not exceed 90 days.

(2) The elevator contractor or general contractor shall make all required corrections and otherwise complete the construction of the installation within the time allotted by the provisional permit. Failure to do so shall result in the elevator being removed from service until such corrections are complete. Mitigating circumstances shall be considered for extending a provisional operating permit as determined by the division.

(3) Provisional permits shall be billed according to OAR 918-400-0800 portal-to-portal.

[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 918-400-0460

918-400-0645**Escalator and Moving Walk Clean Down Inspections**

(1) Escalators and moving walks must receive bi-annual clean down inspections during each year of an inspection cycle in which a periodic inspection under ORS 460.125 is not performed.

(2) Bi-Annual escalator and moving walk clean down inspections are not covered by an owner's operating permit fee. Inspection hours, inspector portal-to-portal travel time, and other fees for these inspections are billable as special inspections under 918-400-0800 to the equipment owner or equipment owner's representative.

(3) Bi-annual escalator and moving walk clean down inspections must include inspection verification of the interior of an escalator and moving walk, and cleaning to prevent an accumulation of oil, grease, lint, dirt, and refuse.

Stat. Auth.: ORS 455.117, 460.085 & 460.125

Stats. Implemented: ORS 455.117, 460.085 & 460.125

Hist.: BCD 14-2010(Temp), f. & cert. ef. 10-1-10 thru 11-30-10; 17-2010, f. & cert. ef. 12-1-10

Annual Provisional Permits**918-400-0650****Use of Provisional Permits Following Annual Safety Inspections**

(1) A provisional permit may be granted to correct Oregon Elevator Specialty Code deficiencies discovered at a periodic elevator inspection, subject to the following:

(a) The initial provisional permit is issued for a period not to exceed 120 days from the date of the periodic inspection.

(b) A reinspection may be performed 120 days or more from the date of the periodic inspection when determined necessary by the division. If violations found at the periodic inspection still exist, the elevator may be removed from service pursuant to ORS 460.125(3).

(2) Where mitigating circumstances did not allow compliance within the initial 120-day period, an additional 60-day period may be granted providing all work can be completed within a 60-day period from the date of the first reinspection. If violations still exist, the elevator shall be ordered to be disconnected from service pursuant to ORS 460.125(2) and the matter shall be referred for additional enforcement action as relevant.

(3) Written requests for an extension may be granted in extenuating circumstances beyond the owner's or contractor's control, as determined by the division.

[Publications: The publication(s) referred to or incorporated by reference in this rule are available from the agency.]

Stat. Auth.: ORS 460.055

Stats. Implemented: ORS 460.055

Hist.: DC 25-1982, f. & ef. 12-16-82; DC 15-1983, f. & ef. 6-28-83; Renumbered from 814-030-0070; BCD 18-1995, f. & cert. ef. 12-15-95; Renumbered from 918-400-095; BCD 13-1999, f. & cert. ef. 10-1-99, Renumbered from 918-400-0440; BCD 25-2000, f. 9-29-00, cert. ef. 10-1-00; BCD 8-2006, f. 6-30-06, cert. ef. 7-1-06

918-400-0660**Operating Permits**

(1) Operating permits are issued periodically based on two-year inspection intervals.

(2) Clean down inspections of escalators and moving walks performed according to 918-400-0645 are additional inspections under section (3) of this rule for which special inspection fees under 918-400-0800 apply.

(3) The division reserves the right to perform additional inspections outside the two-year inspection interval established by this rule with prior notice to the

responsible party according to criteria, 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.

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

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

(5) 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.

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 10-2009, f. 12-30-09, cert. ef. 1-1-10; BCD 14-2010(Temp), f. & cert. ef. 10-1-10 thru 11-30-10; 17-2010, f. & cert. ef. 12-1-10

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

918-400-0665

Periodic Inspections

(1) The elevator owner must make provisions to allow access for inspections as required by ORS 460.135, within 30 days of request by the division.

(2) If access is denied or obstructed in whole or in part at the time of the inspection and a return inspection is necessary, a reinspection fee shall be charged under ORS 460.165(3)(g) and OAR 918-400-0800.

Stat. Auth.: ORS 455.117

Stats. Implemented: ORS 455.117

Hist.: BCD 8-2006, f. 6-30-06, cert. ef. 7-1-06

Minor Installation Labels

918-400-0670

Use of Minor Installation Labels

(1) Elevator contractors having a valid license under ORS 460.045(1) or ORS 479.630(1) and a verified Construction Contractors Board license, when using elevator mechanics licensed under ORS 460.005 to ORS 460.175 or ORS 479.630(6), may purchase and use minor labels as described by OAR 918-100-0000 through 918-100-0060; and,

(2) Only permit requirements are deleted. The **Oregon Elevator Specialty Code** elevator installation, alteration, and repair provisions and all licensing provisions of ORS 460.005 to ORS 460.175, ORS 479.630(1), or ORS 479.630(6) shall be followed.

[Publications referenced are available from the agency.]

Stat. Auth.: ORS 460.085

Stats. Implemented: ORS 460.085

Hist.: BCD 17-2008, f. 9-26-08, cert. ef. 10/1/08

918-400-0675

Scope of Elevator Work Allowed with Minor Installation Label

(1) Except as expressly provided in this rule, "minor elevator work" does not include modernization work; minor elevator work allowed under the minor label program provided by OAR 918-100-0000 through 918-100-0060 shall be as follows:

(a) Replacement or repair of elevator signal equipment, including emergency signaling and communications equipment;

(b) Replacement or repair of elevator car lighting or fans;

(c) Replacement, repair, or modernization of elevator car enclosure linings and floor coverings;

(d) Replacement or repair of a reopening device for power-operated car doors or gates;

(e) Replacement or repair of pressure piping, piping connections, valves, or fittings;

(f) Replacement or repair of speed governors;

(g) Replacement or repair of hydraulic control valves;

(h) Replacement or repair of elevator entrance assembly; and,

(i) Installation, replacement, repair, or modernization of cartop controls, door operators, or security card readers.

(2) Only one type of minor label work listed in section (1) of this rule may be performed on one minor label; for any 30 day period, only one minor label may be used for each elevator at a job site.

Stat. Auth.: ORS 460.085

Stats. Implemented: ORS 460.085

Hist.: BCD 17-2008, f. 9-26-08, cert. ef. 10/1/08

918-400-0680

Minor Label Inspection Fees

(1) The first minor label installation inspection is included in the minor label purchase fee.

(2) In the event that a second inspection is required on an installation, or on a second or third label, the contractor shall pay for the inspection at the callback or reinspection fee rate provided in ORS 460.165(1)(d).

(3) When a contractor has three failed inspections in the same lot of labels, the contractor shall return any unused minor labels to the division; upon final determination, the division shall not issue minor labels to the contractor for a period of one year.

Stat. Auth.: ORS 460.085

Stats. Implemented: ORS 460.085

Hist.: BCD 17-2008, f. 9-26-08, cert. ef. 10/1/08

918-400-0685

Misuse of Minor Installation Labels

Violations of the minor label rules are subject to civil penalties or license revocations or both.

Stat. Auth.: ORS 460.085

Stats. Implemented: ORS 460.085

Hist.: BCD 17-2008, f. 9-26-08, cert. ef. 10/1/08

Elevator Operating Requirements

918-400-0720

Alternate Approvals

(1) The requirements and procedures for establishing a formal statewide alternate method approval are in ORS 455.060.

(2) When any part of the **Oregon Elevator Specialty Code** adopted by the division for elevators does not have an alternate method approval provision, the division may approve any material, design or method of construction not specifically prescribed in the Oregon Elevator Specialty Code, provided the alternate material, design or method of construction is at least

equivalent to that prescribed in the code in suitability, quality, strength, effectiveness, fire resistance, durability, dimensional stability, safety and sanitation.

(3) An alternate method approval under section (2) of this rule or under any code provision shall be:

(a) Granted only for a site-specific transaction; and

(b) Based on documentation placed in the permit file showing the items considered in the approval.

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

Stat. Auth.: ORS 455.060

Stats. Implemented: ORS 455.060

Hist.: DC 25-1982, f. & ef. 12-16-82, Renumbered from 814-030-0010; BCD 18-1995, f. & cert. ef. 12-15-95; Renumbered from 918-400-0030; BCD 13-1999, f. & cert. ef. 10-1-99, Renumbered from 918-400-0540

918-400-0730

Reclassification of Elevators

Elevators shall be reclassified only if the elevator meets, exceeds or is altered to at least the current requirements for the new classification and is so used.

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 918-400-0550

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

918-400-0750**Placing a Previously Disabled Elevator Back into Service**

When an installation previously placed out of service is intended to be returned to operating service:

(1) A written request shall be made to the division for an operating license.

(2) With permission from the division an elevator contractor may operate the elevator and make necessary repairs and adjustments to make the elevator operational.

(3) All testing required to place the type of elevator involved back in service shall be witnessed by a division elevator inspector.

(4) The elevator shall not be placed back into service before an inspection by the division and issuance of an operating permit under OAR 918-400-0465.

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 918-400-0570

918-400-0755**Temporarily Removing Unused Elevators from Service in an Unoccupied Building**

(1) Despite OAR 918-400-0740 and except as provided in OAR 918-400-0275, a person wishing to temporarily remove an unused elevator installed in an entirely unoccupied building from service must:

(a) At least 30 days prior to removing the elevator from service, notify the division in writing of the date the elevator will be removed from service;

(b) Within 30 days of removing an elevator from service, provide the division with written confirmation that:

(A) The building in which the elevator is installed is entirely unoccupied;

(B) The elevator removed from service will not be used for any purpose; and

(C) At least one elevator in full compliance with this chapter and the Oregon Elevator Specialty Code, and that serves all floors of the unoccupied building remains in service for any elevator transportation in the unoccupied building.

(2) After receiving notice under section (1)(b) that the elevator has been removed from service, the division will lock-out and red tag the elevator.

(3) Every 12 months from the date the elevator is removed from service, the responsible party must notify the division in writing that the requirements of section (1)(b) continue to be met.

(4) Despite OAR 918-400-0750, when an elevator temporarily removed from service is to be returned to operating service:

(a) At least 30 days prior to returning the elevator to service, the responsible party must notify the division in writing of the date the elevator will be returned to service;

(b) At least 30 days prior to returning the elevator to service, the responsible party must obtain an elevator operating permit from the division;

(c) With permission from the division, an elevator contractor may operate the elevator and make necessary repairs and adjustments to make the elevator operational.

(d) All testing required to place the elevator back in service shall be witnessed by a division inspector prior to the elevator being returned to service; and

(e) The elevator must not be placed back into service before an inspection by the division according to the code under which the unit was installed is performed and an operating permit under OAR 918-400-0660 is issued.

Stat. Auth.: ORS 460.085

Stats. Implemented: ORS 460.085

Hist.: BCD 18-2010, f. 12-30-10, cert. ef. 1-1-11

Exceptions**918-400-0760****Exceptions from Code Requirements Under ORS 460.085**

Authorization to grant exceptions from Oregon Elevator Specialty Code requirements based on hardship or practical difficulty is in ORS 460.085.

(1) A written request for exception shall:

(a) Identify the code requirement from which an exception is requested;

(b) Identify the specific installation for which the exception is sought and the intended effect if granted;

(c) State any additional reasons for the request; and

(d) Show how elevator safety is still preserved with the change requested.

(2) Exceptions under ORS 460.085 shall be granted only for a specific installation after receiving technical and safety advice from the board. Denials shall not be taken to the board unless appealed under ORS 460.155.

(3) Financial hardship alone shall not support an exception.

(4) Interpretation. An exception under ORS 460.085 is different from an alternate method approval. An exception is a one-time waiver of a code requirement that includes, but is not limited to, design, standard or safety requirement. An alternate method complies with the performance standards of the code but not necessarily with its prescriptive requirement.

(5) Exceptions are issued on condition that the facts and circumstances that provided reasonable safety remain unchanged. Changed facts and circumstances

may cause withdrawal of the exception as provided in OAR 918-400-0770.

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 918-400-0300

918-400-0770

Withdrawal of Exceptions

(1) Exceptions granted under ORS 460.085(3) can be withdrawn if reasonable safety can no longer be maintained:

(a) Because of changes of facts, use or code requirements; or

(b) If the elevator is placed out of service for longer than one year.

(2) The elevator owner or operator shall be notified of an intent to withdraw an exception and of a right to a contested case hearing upon request.

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 918-400-0310

Fees

918-400-0800

Fees

(1) Subject to section (6) of this rule, the following elevator fees are effective under ORS 460.165:

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

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

(2) The total operating permit fee for a specific type of equipment is calculated by multiplying its base operating permit fee under ORS 460.165 by its inspection interval in 918-400-0660. Effective October 1, 2010, an initial operating permit and an installation permit must be obtained prior to installation. A 12 percent surcharge will be added to the following total operating permit fees at the time of sale:

(a) Inclined Elevator -- \$196

(b) Belt Manlift -- \$196

(c) Moving Walk -- \$196

(d) Escalator -- \$196

(e) Rack & Pinion -- \$196

(f) Sidewalk Elevator -- \$120

(g) Sidewalk Material Lift -- \$120

(h) Special Purpose -- \$196

(i) Fees for the following elevators are determined by the rise of each unit: Special Purpose Personnel Elevator, Freight-Hydraulic, Freight-Electric, Passenger-Hydraulic, Passenger-Electric.

(A) Four floor rise or under -- \$176

(B) Over a four floor rise, but under a ten floor rise -- \$216

(C) Ten floor rise or over, but under a twenty floor rise -- \$268

(D) Twenty floor rise or over -- \$314

(j) Stairway Chairlift -- \$120

(k) Dumbwaiter -- \$120

(l) Limited-Use Limited Application -- \$196

(m) Material Lift -- \$196

(n) Vertical Reciprocating Lift -- \$196

(o) Vertical Wheelchair Lift -- \$176

(p) Inclined Wheelchair Lift -- \$176

(q) Stage Lift -- \$196

(3) Reinspections on a mechanism in section (2) of this rule made by request or in continued existence of a defect, \$75;

(4) 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;

(5) 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.

(6) 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.

(7) 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.

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

(9) 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.

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 4-2009(Temp), f. & cert. ef. 7-16-09 thru 1-1-10; BCD 10-2009, f. 12-30-09, cert. ef. 1-1-10; BCD 14-2010(Temp), f. & cert. ef. 10-1-10 thru 11-30-10; 17-2010, f. & cert. ef. 12-1-10

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-

**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

Table 2-L

**Oregon Amendments to the 2010 Edition of the
American Society of Mechanical Engineers A17.1**

Section 2.1.1	“Hoistway enclosures shall conform to 2.1.1.1, 2.1.1.2, or 2.1.1.3. <u>The interior surface of all hoistway enclosures shall be substantially smooth, without sharp edges or protrusions (e.g., screws, nails, sheet metal edges, and open framework). Drywall screws or similar fastenings that penetrate the inside hoistway wall to maintain structural integrity shall be guarded in such a manner as to prevent personal injury. In all other cases, the screws or similar fastenings shall be flush with the interior surface of the hoistway enclosure.</u> ”
Section 2.1.4	“...and other components sensitive to excessive movement or deflection. <u>Where smoke-doors are installed directly in front of hoistway entrance they shall not: (a) Be mechanically fastened to the entrance frames; or (b) Prevent egress from or access to the elevator car.</u> ”
Section 2.7.2.1	“A clear path of not less than 450 mm (18 in.) <u>600 mm (24 in.)</u> shall be provided to all components that require maintenance.”
Section 2.7.2.3	“A clearance of not less than 450 mm (18 in.) <u>600 mm (24 in.)</u> shall be provided in the direction required for maintenance access.”
Section 2.7.3.2.2	“Where the passage is over a roof having a slope exceeding 15 deg from the horizontal, or over a roof where there is no parapet or guardrail at least 1,070 mm (42 in.) high around the roof or passageway, a permanent, unobstructed and substantial walkway not less than 600 mm (24 in.) wide, equipped on the side sloping away from the walk with a railing conforming to 2.10.2.1, 2.10.2.2, and 2.10.2.3, shall be provided from the building exit door at the roof level to the means of access. <u>Access routes shall be adequately illuminated so as to clearly indicate the access route to the machine room, machinery space, control room, or control space.</u> ”
Section 2.7.3.3	“ <u>(d) Means of access need to comply with Oregon OSHA standards. See Appendix A.</u> ”
Section 2.7.3.3.7	“ <u>Exceptions to Stairways</u> “ <u>Vertical ladders with handgrips may be used in lieu of stairs under the following conditions:</u> <u>(a) Access to an overhead machinery space is less than 2440 mm (96 in.) from floor level and access to the overhead machinery space is from within the machine room; or</u> <u>(b) In existing buildings where installation of a stair would require alterations to structural elements or the stair would obstruct an egress corridor. Fixed ladders, when installed, shall be provided with a means for safely transporting tools and maintenance materials to and from the upper machinery level. The means shall be operable from the top and bottom of the ladder. Where the access door or panel is through the side of the machinery space, the ladder shall terminate at a landing conforming to OSHA standards for fixed ladders.</u> ”
Section 2.7.3.4.8	“ <u>Machine Room Door Sign</u> “ <u>Each elevator machine room, machinery space, control room, or control space not located within the machine room shall have a sign posted on the outside of the access door. The sign shall read: ‘Authorized Personnel Only, Storage or Installation of Equipment Not Pertaining to the Elevator is Prohibited.’ Signs, frame mountings, and window inserts, if provided, shall be of a durable, non-breakable material.</u> ”
Section 8.6.1.4.3	“ <u>Safety Test Logs</u> “ <u>All maintenance and test logs shall be posted in plain view in the elevator machine room. Logs shall indicate the individual or licensed elevator contractor performing the tests and the most recent month and year of such tests.</u> ”
Section 8.11.2.1.2(oo)	“ <u>Seismic Devices</u> “ <u>The following shall be tested a minimum of once in each 12 months from date of installation and shall not exceed manufacturer’s instructions:</u> <u>(a) Seismic switch;</u> <u>(b) Counterweight Derailment switch;</u> <u>(c) Elevator operation in response to the activation of a seismic sensing device as</u> ”

	<u>required by 8.4.10.1.1. The results of tests shall be kept in a log located in the elevator machine room and posted in plain view. The log shall show, as a minimum, the most recent date the test was performed and name of the licensed elevator contractor or qualified individual performing the tests.</u>
Section 8.6.4.19.11(c)	<u>“Rope Brakes”</u> <u>“Rope brakes shall be tested annually and tagged by the licensed elevator contractor performing the test. The tag shall indicate the name of the contractor or qualified technician performing the test and the most recent month and year of the test. Rope brakes shall be tested using the manufacturer's instructions as the minimum requirements.”</u>
Section 8.6.5.13.1	<u>“Seismic Valves”</u> <u>“Seismic valves shall be re-tested and sealed whenever the seal has been removed or broken. Seismic valves shall have the adjusting means sealed and tagged. The tag shall indicate the date of the most recent test and the licensed elevator contractor performing such tests. Any readjustment shall cause the seal to break or will give visual indication that the adjustment has been altered.”</u>
Section 2.7.9.1.1	<u>The illumination shall be reasonably distributed over the entire floor area where access to equipment is required.”</u>
Section 2.8.1	Only machinery and equipment used directly in connection with the elevator shall be permitted in elevator hoistways, machinery spaces, machine rooms, control spaces, and control rooms, <u>unless approved by the Building Codes Division.</u>
Section 2.8.1.1	<u>Drains shall not be installed in elevator machine rooms, machinery spaces, control rooms or control spaces.</u>
Section 2.8.1.2	<u>Security interface panels and relays used only in conjunction with elevator control may be installed in elevator machine rooms, machine spaces, control rooms or control spaces. No other part of the security system is permitted to be installed in these spaces.</u>
Section 2.14.7.1.4	<u>“... The light switch shall be accessible from the landing when accessing the car top. <u>Where portable work lights are provided, an additional stationary light fixture shall be provided.</u>”</u>
Section 2.27.1.1.3	(a) through (i), see model code language <u>“(j) Telephone lines, where provided, are not required to be dedicated. However, the failure or use of any single device, including other elevator communication devices, connected to the same telephone line shall not render any remaining elevator telephone inoperative.”</u>
Section 2.27.3.2.1	<u>“In jurisdictions not enforcing the NBCC, fire alarm initiating devices used to initiate Phase I Emergency Recall Operation shall be installed in conformance with the requirements of NFPA 72, and shall be located:</u> (a) At each floor served by the elevator, <u>except as provided in Section 2.27.3.2.7;</u> (b) In the associated elevator machine room; <u>and</u> (c) In the elevator hoistway, when sprinklers are located in those hoistways.
Section 2.27.3.2.7	<u>(a) Fire alarm initiating devices are not required in elevator lobbies exposed directly to the outside atmosphere. Where provided, they must operate as required by Section 2.27.3.</u> <u>(b) Where an elevator has fire alarm initiating devices located only in the elevator machine room, hoistway, or both locations, and the building is not provided with a fire alarm control panel, the fire alarm control unit shall be permitted to be omitted, providing the elevator operation defaults to Phase I Emergency Recall Operation if either fire alarm initiating device or its related circuit fails.</u> <u>(c) Fire alarm panels, annunciators and associated wiring shall not be installed in elevator machine rooms or control spaces. Only panels and relays necessary to directly interface with the elevator control shall be permitted to be installed in elevator machine rooms or control spaces, unless approved by the Building Codes Division.</u> <u>(d) In existing buildings with an existing fire alarm control system that is not capable of supervising detectors used for elevator recall, fire alarm initiating devices specific to elevator recall shall be permitted to be connected to a separate control unit.</u> <u>(e) Annunciator panels used to supervise fire alarm initiating devices used for elevator recall are required to be located in an area of the building where the panel can be readily seen and heard.”</u>

Section 3.19.4.1	<u>“...provided that it is accessible from outside the hoistway to elevator personnel only (see 8.1). Notwithstanding the seismic valve required by 8.4.11.2, an additional supply line shutoff valve is required in the elevator pit.”</u>
Section 4.3	Not adopted
Section 5.3.3 Title	<u>“Private Residence Elevators- Machine and Control Rooms</u>
Section 5.3.3.1	<u>“Separate machine rooms are not required for residential elevator installations. Where provided, they shall comply with the following: (a) The enclosure shall be large enough to provide electrical and working clearances as required by the Oregon Electrical Specialty Code. (b) Permanent electrical lighting shall be provided in the room to clearly illuminate all equipment within the room. (c) The room shall be provided with a door that is capable of being locked when the room is not occupied.”</u>
Section 5.3.3.2	<u>“Elevator machines and controllers installed in hoistways shall comply with the following, unless otherwise approved by the division: (a) A means of access from outside the hoistway shall be provided for maintenance and repairs. (b) The size and location of the access panel(s) shall be sufficient to permit maintenance and repairs to the equipment without requiring complete bodily entry into the hoistway. (c) Access panels shall not be located in the ceiling of the hoistway. (d) The access panel(s) shall be provided with an electric contact that prevents operation of the elevator unless all panels are closed and locked.”</u>
Section 5.4.17	<u>“Private Residence Inclined Elevators- Machine and Control Rooms” “Machine and control rooms and machinery and control spaces shall comply with Section 5.3.3 as applicable.”</u>
Section 5.9	Not adopted
Section 5.11 Title	<u>“Correction Facility Elevators”</u>
Section 5.11.1	<u>“Scope” “Elevators governed under this section of the code are intended to be used in correctional facilities for the transport of inmates. These elevators are under sole control by the correctional facility staff and as such, are allowed to modify certain requirements where security and personnel safety are necessary. These minimum safety standards must be approved by the division before implementation. Correctional facility elevators shall comply with the applicable requirements of ASME A17.1 2010 except as modified herein.”</u>
Section 5.11.2 Title	<u>“Operation and Control”</u>
Section 5.11.2.1	<u>“In-car emergency stop switches as required by 2.26.2 may be omitted when the elevator car is: (a) Continually monitored by audio-visual equipment; and (b) Remotely controlled from a single location.”</u>
Section 5.11.2.2	<u>“Emergency Signaling Devices” “Emergency signaling devices are not required where the elevator complies with 5.11.2.”</u>
Section 5.11.2.3	<u>“Fire Service Operation” “Except as modified by Part 5.11, fire service operation shall be provided as required by 2.27.3. (a) ‘Phase I Emergency Recall’ Operation shall comply with 2.27.3.1. (b) ‘Phase II Emergency In-Car’ Car operation may be controlled from a remote location provided the elevator complies with 5.11.2. 1 In all other aspects the elevator shall operate as required by 2.27.3.3.”</u>
Section 5.11.3	<u>“Pit and Machinery Space Access” “(a) Pit access shall comply with 2.2.4, except that: (1) Access to pits and machinery spaces shall be provided with a positive key-locking</u>

	<p><u>device on the pit door;</u> <u>(2) The locking device must be designed so the door cannot be closed from the inside if the lock is engaged;</u> <u>(3) The pit doors shall be kept closed and locked when not in use; and</u> <u>(4) Pits shall only be accessible by elevator personnel.</u> <u>(b) Where pits are only accessible from the lowest landing, pit access shall comply with 2.2.4.”</u></p>
Section 5.11.4	<p><u>“Hoist way Access”</u> <u>“Hoist way doors are not required to allow manual opening from inside the elevator car at the landing if:</u> <u>(a) The door operation is controlled at a single location; and</u> <u>(b) The elevator car position is indicated at the monitoring station.”</u></p>
Section 5.11.5	<p><u>“Emergency Door”</u> <u>“Notwithstanding 2.11.6, emergency doors are not required if the elevator is located in a high security area.”</u></p>
Section 7.1.7.4	<p>“Requirement 2.7.3.1 does not apply. A means of access to dumbwaiter machine rooms and overhead machinery spaces shall be provided, from outside the hoist way, for elevator personnel. <u>A permanent stair or ladder is required when the machinery is located within the hoist way and the uppermost part of the access panel is located 2440-mm (96-in.) or more above a landing. Design and installation of fixed ladders shall comply with OSHA standards for fixed ladders. Stairs, when provided, shall comply with 2.7.3.3.4.”</u></p>
Section 8.6	<p>“Requirement 8.6 applies to maintenance, repairs, replacements and testing.</p> <p>NOTES: (1) See 8.7 for alteration requirements. (2) See “General” in Preface for assignment of responsibilities. (3) <u>It is the intent of this section to ensure that the original design and safe operation of the equipment are preserved through a regimen of periodic maintenance, testing and repair. Where equipment indicates a deviation from the original design or operation, corrections shall be made to restore the equipment to comply with the applicable safety standards at the time of installation or alteration.”</u></p>
Section 8.6.1.2.3	<p><u>“Unless otherwise specified in this code, all areas governed by this rule shall be kept clean.”</u></p>
Section 8.6.1.6.2	<p>“...All excess lubricant shall be cleaned from the equipment. Containers used to catch leakage shall not be allowed to overflow. <u>Rags or other materials not specifically designed for oil absorption shall not be left in or under gear-reduction-unit drip pans, machines, pits, or other areas where oil may potentially accumulate.</u> <u>Once saturated, materials specifically designed for oil absorption shall be properly discarded and shall be permitted to be renewed as necessary.”</u></p>
Section 8.6.1.6.3	<p>(a) through (f), see model code language <u>“(g) Disconnected wires shall be properly insulated from any point of electrical contact and identified by their previous controller connection designation. Wires or control components not intended for future use or rendered unnecessary due to circuit modifications shall be completely removed from the control circuit.”</u></p>
Section 8.6.3.1.1	<p><u>“Replacements Necessitated by Obsolescence”</u> <u>“Repairs of existing equipment requiring materials or parts of a different design, due to obsolescence of direct replacement parts, shall not be considered an alteration unless the repair involves a change of an entire certified, listed, or structural assembly (e.g., controller, machine and drive motor, door and door frame, car or counterweight frame). New electrical parts must be properly listed or certified as required by ASME A17.1 and related codes.”</u></p>
Section 8.6.5.8	<p>“Hydraulic cylinders installed below ground shall conform to 3.18.3.4, or the elevator shall conform to 8.6.5.8(a), or 8.6.5.8(b), <u>or (c)</u>: (a) the elevator shall be provided with car safeties conforming to 3.17.1 and guide rails, guide-rail supports, and fastenings conforming to 3.23.1; or</p>

	<p>(b) the elevator shall be provided with a plunger gripper conforming to 3.17.3. The plunger gripper shall grip the plunger when the applicable maximum governor tripping speed in Table 2.18.2.1 is achieved; <u>or</u></p> <p><u>(c) the elevator's jack assembly shall be replaced upon upgrade; until that time, monthly monitoring of oil loss is required.</u></p>
Section 8.6.5.17	<p><u>"Additional Requirements – Drip Pans"</u></p> <p><u>"Hydraulic machine drip pans shall be kept clean and dry. Minor accumulation is allowed between regularly scheduled maintenance visits but in no case shall the drip pan be allowed to overflow."</u></p>
Section 8.6.8.13	<p>"The interior of escalators, <u>moving walks</u>, and their components shall be cleaned to prevent an accumulation of oil, grease, lint, dirt, and refuse. The frequency of the cleanings will depend on service and conditions, but an examination to determine if cleaning is necessary shall be required at least once a year <u>Internal cleanings shall occur at least once every two years. The maintenance contractor must provide the area inspector with one week's advance notice to allow the inspector to schedule an internal inspection that coincides with the cleaning.</u>"</p>
Section 8.7.2.14.5	<p><u>"Car Operating Fixtures"</u></p> <p><u>"Where an alteration involving fire service operation is performed and the car operating fixtures are not altered, 2.27.3.3.7 and 2.27.3.3.8 are not required. All other fire service operation requirements must comply with the Section 2.27.3."</u></p>
Section 8.7.3.23.1	<p>"Where a hydraulic jack is installed, altered, or replaced, it shall conform to 3.18 <u>and 8.4.11.9.</u>"</p>
Section 8.7.3.23.8	<p><u>"Installation of New Hydraulic Power Unit"</u></p> <p><u>"Where the alteration involves the installation of a new hydraulic power unit, it shall also conform to the requirements of 8.4.11.2, 8.4.11.3, and 8.4.11.6."</u></p>
Section 8.10.1.5	<p><u>"Test Weights"</u></p> <p><u>"Unless otherwise specified in this code, all tests for new or altered equipment shall require the use of test weights to verify design lifting capacity, pressure relief settings, capabilities of car safety mechanisms, and structural integrity."</u></p>
Section 8.11.1.1.2(a)	<p>"(a) Periodic tests as required in 8.6 shall be witnessed by an inspector employed by the authority having jurisdiction, or by persons authorized by the authority having jurisdiction, <u>when deemed necessary by the authority having jurisdiction.</u>"</p>
Section 8.11.2.1.6	<p><u>Firefighters' emergency operation shall be tested at least once each calendar quarter (i.e., once every three months). Fire alarm initiating devices associated with Phase I Emergency Recall Operation shall be tested at least once each calendar year in conjunction with one of the quarterly tests.</u></p> <p><u>The quarterly test shall include response to the Phase I key operation and at least a one floor run to determine if Phase II is operating properly. Fire alarm initiating device testing shall be performed to determine if the elevator(s) will still properly respond to a detector activation. A record of findings shall be available to elevator personnel and the authority having jurisdiction."</u></p>
Appendix A	<p><u>"Appendix A-</u> <u>See Oregon Administrative Rules chapter 437, division 2:</u> http://www.sos.state.or.us/archives/rules/OARS_437/437_tofc.html <u>For additional Oregon OSHA requirements: http://www.cbs.state.or.us/osh"</u></p>