



November 19, 2007

HB 2548 reciprocating conveyor rules

Opportunity for public input:

Those who would like to provide public testimony may attend a public hearing on November 19, 2007 at 2:00 p.m. at the Building Codes Division, Conference Room A. Written comments may also be submitted to the contact below.

Purpose of the rules:

These proposed rules implement House Bill 2548, passed during the 2007 legislative session, which allows the division to establish the qualifying work experience, training, supervision, oversight and other related licensing requirements for the new Reciprocating Conveyor Mechanic and Restricted Reciprocating Conveyor Mechanic licenses.

These proposed rules would be effective January 1, 2008.

Citation:

Amend: OAR 918-400.

History:

On September 6, 2007, the division convened a rulemaking advisory committee to review proposed rule language implementing HB 2548. The Electrical & Elevator Board is scheduled to review these rules at its November 29, 2007 meeting.

Contact:

If you have questions or need further information, please contact Hearing Officer Celina R. Patterson at (503) 373-0855, or celina.r.patterson@state.or.us.



HOUSE BILL 2548 (2007) RECIPROCATING CONVEYOR RULES

Board-Created Definitions

OAR 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" is 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 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" is 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 shall be performed only 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” is 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) “Operational testing and maintenance” means that which requires measurement, observation, cleaning and lubricating equipment that does not require disassembly or opening the equipment and shall 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.

(17) “Operator” is an individual employed by a general contractor, elevator contractor or owner to operate an elevator under a construction use permit.

(18) “Reciprocating conveyor” means:

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

(b) A pre-packaged, 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) “Pre-packaged” 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.

~~(19)~~ “Repair” is the restoration of an elevator to its original intended design, but not changing its operation or intended use.

~~(20)~~ “Term” means a set period for each phase of training within an approved apprenticeship program.

(2021) “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.

(2122) “Vertical Reciprocating Lift” is a power-driven, isolated, self-contained, stationary lift that meets the requirements of the **Oregon Elevator Specialty Code, Vertical Reciprocating Lift Code.**

(2223) “Waiver” or “Variance” is a trade term referring to a site-specific exception from code requirement granted under ORS 460.085.

[Publications: Publications referenced are available from the agency **for review at the division. See division Web site for information on purchasing publications.**]

Stat. Auth.: ORS 460.085

Stats. Implemented: ORS 460.085 **& Chapter 642 (2007 Oregon Laws)**

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

Licenses and Inspector Certifications

OAR 918-400-0333

Scope of Elevator and Reciprocating Conveyor Mechanical Licensing

(1) Persons not licensed under ORS 479.630(6) or authorized by ORS 460.047, who perform any mechanical work on elevator equipment, shall obtain of the following licenses the appropriate license listed under OAR 918-400-0336 as required herein. Possession of one of these licenses does not waive the licensing requirements established under ORS Chapter 479 to perform electrical installations, maintenance and repairs on elevator equipment.

~~(1) Limited Elevator Mechanic. Pursuant to ORS 460.057 a person possessing this type of license 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.~~

~~(2) Elevator Apprentice. Pursuant to ORS 460.059 a person possessing this type of license assists a journey level elevator mechanic in performing mechanical work on elevators, in accordance with OAR 918 400 0390.~~

(2) Persons who perform any mechanical work on reciprocating conveyor equipment, shall obtain the appropriate license listed under OAR 918-400-0336, unless the person is licensed as a limited elevator journeyman, a limited elevator mechanic, an elevator

apprentice, or a limited journeyman electrician who is authorized to repair or maintain reciprocating conveyor equipment located in an industrial plant.

(3) A person applying for any of the licenses under OAR 918-400-0336 shall do so in accordance with the application process in OAR 918 division 30. Possession of one of these licenses does not waive the licensing requirements established under ORS Chapter 479 to perform electrical installations, maintenance and repairs on elevator and reciprocating conveyor equipment.

(4) A person installing the mechanical portions of a reciprocating conveyor in a residence for the purpose of moving individuals on a motorized chair, along a predetermined horizontal, inclined or vertical path between loading and discharge points is exempt from licensure requirements under Elevator Safety Law.

(5) A person engaged in the business of performing or hiring individuals to perform mechanical work on elevators or reciprocating conveyor equipment, in commercial and residential applications, shall obtain an Elevator Contractor License under OAR 918-400-0340.

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

OAR 918-400-0336

Types of Licenses

(1) Limited Elevator Mechanic. Pursuant to ORS 460.057, a person possessing this type of license 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.

(2) Elevator Apprentice. Pursuant to ORS 460.059 a person possessing this type of license assists a journey level elevator mechanic in performing mechanical work on elevators, in accordance with OAR 918-400-0390.

(3) Reciprocating Conveyor Mechanic. A person possessing this type of license is restricted to the installation, alteration, repair and maintenance of the mechanical portions of reciprocating conveyors.

(4) Restricted Reciprocating Conveyor Mechanic. A person possessing this type of license may perform work allowed under the scope of this rule and only under the supervision of a person holding either a limited elevator mechanic or 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 460.085 & Chapter 642 (2007 Oregon Laws)

Stats. Implemented: Chapter 642 (2007 Oregon Laws)

Hist.:

OAR 918-400-0338

Reciprocating Conveyor Mechanical Licensing Requirements

(1) Applicant must demonstrate 3,000 hours of lawful work experience, as required in OAR 918 Division 30, in the installation, alteration, repair and maintenance of reciprocating conveyors or other equipment regulated by the Elevator Safety Law. An applicant must apply for the license as required under OAR 918 Division 30.

Stat. Auth.: ORS 460.085, Chapter 642 (2007 Oregon Laws)

Stats. Implemented: Chapter 642 (2007 Oregon Laws)

Hist.:

OAR 918-400-0340

Elevator Contractor License

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

(1) Provide a list of the company's employees and their license numbers issued under ORS 460.057, 460.059, ~~or 479.630(6)~~, **or Chapter 642 (2007 Oregon Laws)** who will be performing the installation, alteration, repair and maintenance of elevator mechanical **and reciprocating conveyor mechanical** equipment; or

(2) Provide a list of employees who have made application and qualify for licensure under ORS 460.057 or 479.630(6).

(3) 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 shall:

(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.

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

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

Stat. Auth. ORS 460.085

Stats. Implemented: ORS 460.005 - 460.175 & 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

Fees

OAR 918-400-0800

Fees

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

(a) Elevator contractor's license, \$195;

(b) Plan reviews, \$78;

(c) Inspections of:

(A) Dumbwaiters, sidewalk elevators, residential elevators, residential inclinator or subveyors, \$52;

(B) Escalators, lowerators, manlifts, stagelifts, inclined elevators, platform hoists or moving walks, \$78;

(C) Power-driven elevators with a four-floor rise or under, \$78;

(D) Power-driven elevators with over a four-floor rise, but under a 10-floor rise, \$98;

(E) Power-driven elevators with over 10-floor rise, but under 20-floor rise, \$124;

(F) Power-driven elevators with a 20-floor rise or over, \$147.

(d) Call-back inspections on a mechanism in section (3)(a) through (f) of this rule made by request or in continued existence of a defect, \$52;

(e) Special inspections, \$55 per hour;

(f) Report processing fee, \$20;

(g) 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) The following fees shall apply to **elevator** licenses issued under OAR 918-400-0333 and 918-400-0380:

(a) License application, \$15;

(b) Limited Elevator Mechanic's license, \$60;

(c) The fees for the licenses issued herein shall be prorated to the nearest \$20 amount based on the date of issue with respect to the date of expiration: 0–12 months \$20; 12–24 months \$40; 24–36 months \$60.

(5) The following fees shall apply to reciprocating conveyor mechanical licenses issued under Chapter 642 (2007 Oregon Laws):

(a) \$300 for a three year period, for the application and issuance or renewal of a reciprocating conveyor mechanic license; or

(b) \$50 for a three-year period, for the application and issuance or renewal of a restricted reciprocating conveyor mechanic license.

Stat. Auth.: ORS 460.085

Stats. Implemented: ORS 460.165 & **Chapter 642 (2007 Oregon Laws)**

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

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