



## Elevator Rule Development Form Chapter 296-96 WAC Elevator Rules

Proposal Number: 2019-00650

### How to Submit this Form:

#### Mail requests to:

Department of Labor & Industries  
Elevator Program  
PO Box 44480  
Olympia Wa 98504-4800

#### Email requests to:

[ElevatorSect@Lni.wa.gov](mailto:ElevatorSect@Lni.wa.gov)

#### Fax requests to:

360-902-6132

### Submitter Information

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Date

3/23/19

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360-902-6456

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7273 Linderson Way SW

City

Tumwater

State

WA

Zip Code

1. Proposal (*Please provide the WAC rule number or National Code Section and include the new or revised language or language for deletion. Use underscore to denote the language to be inserted and ~~strike-through~~ to denote language to be deleted.*)

### WAC 296-96-00650

#### Adopted standards.

Safety Code for Elevators, Escalators, Dumbwaiters, Residential Elevators, and Special Purpose	ASME A17.1-2016/CSA B44-16	9/10/1/2018	Current
Guide for Inspection of Elevators, Escalators, and Moving Walks	ASME A17.2-2017	9/10/1/2018	Current
Safety Code for Existing Elevators and Escalators	ASME A17.3-2015	9/10/1/2018	Current
Safety Standards for Platform Lifts and Stairway Chair Lifts	ASME A18.1-2017	9/10/1/2018	Current
Safety Code for Belt Manlifts	ASME A90.1-2015	9/10/1/2018	Current
Safety Code for Personnel Hoists	ASSE/ANSI A10.4-2016	9/10/1/2018	Current
Safety Code for Material Hoists	ASSE/ANSI A10.5-2013	9/10/1/2018	Current

2. Statement of Problem and Justification (*Please provide a brief explanation and justification statement for this proposal.*)

The incorrect dates were noted for adoption of these codes.



## Elevator Rule Development Form Chapter 296-96 WAC Elevator Rules

Proposal Number: 2019-296-96-00675

<b>How to Submit this Form:</b>		
<b>Mail requests to:</b>	<b>Email requests to:</b>	<b>Fax requests to:</b>
Department of Labor & Industries Elevator Program PO Box 44480 Olympia Wa 98504-4800	<a href="mailto:ElevatorSect@Lni.wa.gov">ElevatorSect@Lni.wa.gov</a>	360-902-6132

<b>Submitter Information</b>			
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Street Address	City	State	Zip Code
7273 Linderson Way SW	Tumwater	WA	

1. **Proposal** (*Please provide the WAC rule number or National Code Section and include the new or revised language or language for deletion. Use underscore to denote the language to be inserted and ~~strike through~~ to denote language to be deleted.*)

### WAC 296-96-00675

#### Amendments to adopted standards.

- (1) Exclude all references to QEI certification in ASME A17.1/CSA B44, ASME A18.1, and ANSI/ASSE A10.4 from code adoption.

2. **Statement of Problem and Justification** (*Please provide a brief explanation and justification statement for this proposal.*)

The State of WA does not require their inspectors to be QEI certified.





## Elevator Rule Development Form Chapter 296-96 WAC Elevator Rules

Proposal Number: 2019-296-96-00675(15)

### How to Submit this Form:

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Elevator Program  
PO Box 44480  
Olympia Wa 98504-4800

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1. **Proposal** (Please provide the WAC rule number or National Code Section and include the new or revised language or language for deletion. Use underscore to denote the language to be inserted and ~~strike through~~ to denote language to be deleted.)

296-96-00675(15) Modify Reg. 3.10.3 in ASME A17.3-2015 as follows:

#### 3.10.3 Top-of-Car Operating Devices

(a) Elevators with automatic or continuous-pressure operation shall have a continuous-pressure button operating switch mounted on the top of the car for the purpose of operating the car solely from the top of the car. The device shall operate the car at a speed not exceeding 150 ft/min (0.76 m/s).

(b) The means for transferring the control of the elevator to the top-of-car operating device shall be on the car top and located between the car crosshead and the side of the car nearest the hoistway entrance normally used for access to the car top.

(c) Where the car top stop switch located in the inspection control station is not accessible from the landing, a separate car top stop switch shall be provided as required by ASME A17.1/CSA B44, 2.26.1.4.2(a).

2. **Statement of Problem and Justification** (Please provide a brief explanation and justification statement for this proposal.)

Rationale: There currently is no requirement to provide a stop switch that is accessible from the landing on existing elevators. On many older units, the inspection station's stop switch is located on the crosshead and often (especially on larger cars) can not be reached without climbing onto the car top. This proposal will require at least one stop switch to be located where it can be reached prior to physically stepping onto the car top.





## Elevator Rule Development Form Chapter 296-96 WAC Elevator Rules

Proposal Number: 2019-296-96-00906

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#### Mail requests to:

Department of Labor & Industries  
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PO Box 44480  
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#### Email requests to:

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1. Proposal (Please provide the WAC rule number or National Code Section and include the new or revised language or language for deletion. Use underscore to denote the language to be inserted and ~~strike through~~ to denote language to be deleted.)

### WAC 296-96-00906

#### License requirements for elevator mechanics.

(1) Any person wishing to engage in the installation, alteration, service, replacement or maintenance of equipment covered by this chapter within the state of Washington shall apply for a license with the department of labor and industries and shall pass an exam administered by the department or by an entity authorized by the department. Persons applying for temporary elevator mechanic licenses or emergency elevator mechanics licenses are not required to take an exam but must fulfill all other requirements for these licenses.

(2) Applicants for a category (01) license as identified under WAC ~~296-96-00910~~ shall demonstrate at least one of the following qualifications in order to obtain a license without an exam:

(a) ~~Successfully completed an apprenticeship training program for elevator mechanics and have passed the final examination required by such program; or~~

(b) ~~Performed at least five thousand four hundred hours of acceptable work experience in construction, installation, maintenance, service or repair of elevators or other conveyances subject to this chapter, as verified by current and prior employers, and have passed a nationally recognized elevator mechanic's examination, such as that administered by the National Elevator Industry Education Program or as approved by the department; or~~

(c) ~~Possess an elevator mechanic's license from another state that has standards substantially equal to those established in this chapter.~~

(3) ~~Any person wishing to obtain a category (01) license coming from another state without licensing may obtain a license with examination by paying the required fee and submitting an application with documentation demonstrating the applicant has worked as an elevator mechanic without supervision for at least five thousand four hundred hours.~~

(42) Conditions for temporary elevator mechanics: In the event an elevator contractor encounters a verifiable shortage of licensed mechanics, an elevator contractor may request that the department issue temporary elevator mechanic licenses to persons certified by the licensed elevator contractor to have an acceptable combination of documented experience and education to perform elevator work without direct and immediate supervision. Each license shall recite that it is valid for thirty days to the holder as long as he or she is employed by the licensed elevator contractor that certified the individual as qualified.

As part of the initial licensing process the applicant shall ~~have~~ have seventy-five percent of both education and training hours to obtain a license (see WAC 296-96-00908).

(53) Conditions for emergency elevator mechanics: If the governor should declare a state of emergency due to a disaster, or an act of God, or other extenuating circumstances and the number of persons in the state holding valid licenses is insufficient to cope with the emergency, an elevator contractor may request emergency elevator mechanic licenses for persons who are not licensed to perform work subject to this chapter but are certified by the elevator contractor to have an acceptable combination of documented experience and education to perform elevator work without direct and immediate supervision. Each such license shall be valid for a period of thirty days and renewable as long as the emergency exists.

(64) The department may deny renewal or application, or suspend an individual's license if they have an outstanding final judgment.

(75) Qualify for licensing:

(a) For conveyance work covered by all categories identified in WAC 296-96-00910 except personnel hoists (04), material lifts (05), residential conveyances (06), residential inclined elevators (07) and temporary licenses (09), the applicant shall comply with the applicable mechanic licensing requirements as follows:

(i) Test.

(A) The applicant shall provide acceptable proof to the department that shows the necessary combination of documented experience and education credits in the applicable license category (see WAC 296-96-00910) of not less than three years' work experience in the elevator industry under the general direction of a licensed elevator mechanic performing conveyance work in the same category as verified by current and previous employers licensed to do business in this state or as an employee of a public agency;

Acceptable proof may include department-approved forms documenting years of experience, affidavits, letters from previous employers, declarations of experience, education credits, copies of contractor registration information, etc. Additional documentation may be requested by the department to verify the information provided on the application; and

(B) Pass an examination administered by the department on chapter 70.87 RCW and this chapter; ~~or~~

~~(ii) National exam/education.~~

~~(A) Have obtained a certificate of completion and successfully passed the mechanic examination of a nationally recognized training program for the elevator industry such as the National Elevator Industry Educational Program or its equivalent; or~~

~~(B) Have obtained a certificate of completion of an apprenticeship program for an elevator mechanic, having standards substantially equal to those of chapter 70.87 RCW and this chapter, and registered with the Washington state apprenticeship and training council under chapter 49.04 RCW; or~~

~~(iii) Reciprocity. The applicant shall provide acceptable proof to the department that shows that the applicant is holding a valid license from a state having entered into a reciprocal agreement with the department and having standards substantially equal to those of chapter 70.87 RCW and this chapter.~~

(b) For conveyance work performed on personnel hoists as identified in WAC 296-96-00910(4):

(i) Test. The applicant shall provide acceptable proof to the department that shows the necessary combination of documented experience and education credits in the applicable license category (see WAC 296-96-00910) of not less than one year's work experience in the elevator industry or not less than three years (for the purpose of this category one year will be equivalent to seven hundred hours) documented experience and education credits in conveyance work under the general direction of a licensed elevator mechanic as described in category (04) performing conveyance work in the same category as verified by current and previous employers licensed to do business in this state; and

(ii) Pass an examination administered by the department on chapter 70.87 RCW, A10.4 and this chapter.



~~(iii) Reciprocity. The applicant shall provide acceptable proof to the department that shows the applicant is holding a valid license from a state having entered into a reciprocal agreement with the department and having standards substantially equal to those of chapter 70.87 RCW and this chapter.~~

(c) For conveyance work performed on material lifts as identified in WAC 296-96-00910(5):

(i) Test. The applicant and the licensed elevator contractor/employer shall comply with the provisions of RCW 70.87.245; and

(ii) The applicant shall pass an examination administered by the department on chapter 70.87 RCW and this chapter;

(d) For residential conveyance work covered by category (06) as identified in WAC 296-96-00910:

(i) Test. The applicant shall provide acceptable proof to the department that shows the necessary combination of documented experience and education credits in the applicable license category (see WAC 296-96-00910) of not less than two years' work experience in the elevator industry performing conveyance work as verified by current and previous employers licensed to do business in this state; and

(ii) Pass an examination administered by the department on chapter 70.87 RCW and this chapter.

(e) For residential inclined conveyance work covered by category (07) as identified in WAC 296-96-00910:

(i) Test. The applicant shall provide acceptable proof to the department that shows the necessary combination of documented experience and education credits in the applicable license category (see WAC 296-96-00910) of not less than one year's work experience in the elevator industry or not less than three years' documented experience and education credits in conveyance work as described in category (01) performing conveyance work as verified by current and previous employers licensed to do business in this state; and

(ii) Pass an examination administered by the department on chapter 70.87 RCW and this chapter.

(f) For temporary mechanic licenses as identified in WAC 296-96-00910 category (09) the applicant shall provide acceptable proof from a licensed elevator contractor that attests that the individual is competent to perform work under chapter 70.87 RCW and this chapter.

(86) Complete and submit a department-approved application.

An applicant who is required to take an examination under the provisions of this section may not perform the duties of a licensed elevator mechanic until the applicant has been notified by the department that he/she has passed the examination.

(97) Pay the fees specified in WAC 296-96-00922.

(408) The department may deny application of a license under this section if the applicant owes outstanding final judgments to the department or does not meet the minimum criteria established in the elevator laws and rules.

## **2. Statement of Problem and Justification (Please provide a brief explanation and justification statement for this proposal.)**

It has become apparent that individuals who have obtained a certificate of completion and successfully passed the mechanic examination of a nationally recognized training program for the elevator industry or who have obtained a certificate of completion of an apprenticeship program for an elevator mechanic are not necessarily knowledgeable about the code and other aspects of the industry. Requiring everyone to test will provide a more equal playing field for all those wishing to become licensed.





## Elevator Rule Development Form Chapter 296-96 WAC Elevator Rules

Proposal Number: 2019-00912

### How to Submit this Form:

#### Mail requests to:

Department of Labor & Industries  
Elevator Program  
PO Box 44480  
Olympia Wa 98504-4800

#### Email requests to:

ElevatorSect@Lni.wa.gov

#### Fax requests to:

360-902-6132

### Submitter Information

Name/Company Name Labor and Industries/Elevator Program		Date 3/11/2019	
Email Address sdot235@lni.wa.gov	Phone Number 360-902-6456	Fax Number	
Street Address 7273 Linderson Way SW	City Tumwater	State WA	Zip Code 98501-5414

- 1. Proposal (Please provide the WAC rule number or National Code Section and include the new or revised language or language for deletion. Use underscore to denote the language to be inserted and ~~strike-through~~ to denote language to be deleted.)**

WAC 296-96-00912 License renewal requirements.

(1) An elevator contractor or elevator mechanic license issued pursuant to this chapter shall be valid for a period of two years and may be renewed by submission of a renewal application to the department, payment of a renewal fee as specified in WAC 296-96-00922 and proof of compliance with the requirements of this chapter.

- Elevator contractor licenses expire on the calendar date two years from issuance.
  - Upon applying for renewal the elevator contractor shall verify the primary point of contact information is correct.
  - Renewal of an elevator contractor license shall be conditioned upon the primary point of contact's completion of not less than 4 hours of instruction on the most current RCW and WAC rules. This instruction must be completed within one year immediately preceding a license renewal application.
  - The applicant must submit a certificate of completion for the course along with the renewal application.
  - Continuing education courses and instructors shall be approved by the department.

(b) Elevator mechanic licenses expire on the licensee's birth date in the calendar year two years from the year of application. It is noted that the initial license term may be valid for a longer or shorter period of time depending on when the licensee's birthday falls compared to the date on which the initial license was issued.

- If a license is issued in an even-numbered year, the license will expire on the license holder's birth date in the next even-numbered year.
- If a license is issued in an odd-numbered year, the license will expire on the license holder's birth date in the next odd-numbered year.

(eiii) Renewal of an elevator mechanic license shall be conditioned upon completion of not less than ~~eight~~ twelve hours of instruction within one year immediately preceding a license renewal application and submission of a certificate of completion for the course. Not less than four hours of instruction shall be on the most current RCW and WAC rules. Continuing education courses and instructors shall be approved by the department.

(2) Temporary elevator mechanics (category (09)). The renewal is limited to no greater than twelve times in a twelve-month period. The limitation may be extended at the discretion of the department. Examples include, but are not limited to, abnormally high rate of construction or natural disaster.

(a) The renewal period is thirty days from the date of issuance.

(b) As part of the renewal process the applicant shall:

(i) Complete and submit a department-approved application.

(ii) Pay the fees specified in WAC 296-96-00922.

(iii) Have seventy-five percent of both education and training hours to obtain a license (see WAC 296-96-00908).

.....

**2. Statement of Problem and Justification (*Please provide a brief explanation and justification statement for this proposal.*)**

Mechanics and elevator companies are not aware of what rules govern their behavior and could potentially affect their licenses. This has become evident in the number of companies that change primary point of contact and neglect to inform Labor and Industries. It is also apparent due to the number of mechanics who do not follow the proper protocol for renewal of their licenses or ensuring that permits are posted on the job site. Additional training is necessary to ensure that mechanics and companies are aware of the statutes and rules that affect their licensing.



## Elevator Rule Development Form Chapter 296-96 WAC Elevator Rules

Proposal Number: **296-96-00916**

<b>How to Submit this Form:</b>		
<b>Mail requests to:</b>	<b>Email requests to:</b>	<b>Fax requests to:</b>
Department of Labor & Industries Elevator Program PO Box 44480 Olympia Wa 98504-4800	<u>ElevatorSect@Lni.wa.gov</u>	360-902-6132

<b>Submitter Information</b>			
Name/Company Name Dotty Stanlaske/Labor and Industries		Date 3/23/19	
Email Address sdot235@lni.wa.gov	Phone Number 360-902-6456	Fax Number	
Street Address 7273 Linderson Way SW	City Tumwater	State WA	Zip Code

1. **Proposal (Please provide the WAC rule number or National Code Section and include the new or revised language or language for deletion. Use underscore to denote the language to be inserted and ~~strike-through~~ to denote language to be deleted.)**

### WAC 296-96-00916

#### Continuing education course provider requirements.

- (1) The department approves continuing education course providers.
- (2) The department will review and approve courses.
  - (a) All providers seeking course approval shall submit the required information to the department on a form provided by the department.
  - (b) The courses shall be taught by instructors through continuing education providers; courses may include but are not limited to, association seminars and labor training programs.
  - (c) All instructors shall be approved by the department and are exempt from the requirements of WAC 296-96-00912 (2)(b)(ii) regarding his or her application for license renewal, provided that such applicant was qualified as an instructor at any time during the one year immediately preceding the scheduled date for such renewal and the instructor shall have taught two or more courses in the year preceding the renewal.
  - (d) All training courses shall conform to and be based upon current standards and requirements governing the operation, construction, installation, alteration, inspection and repair of elevators and other conveyances.
  - (e) All course approval requests shall include:
    - (i) A general description of the course, including its scope, the instructional materials to be used and the instructional methods to be followed;
    - (ii) A detailed course outline;
    - (iii) A sample copy of the certificate that will be provided to the attendee. The certificate shall note the name of the course, the number of hours as approved by the department, a course number if one has been assigned by the provider, the date the education was completed ~~and~~ the instructor's signature and the student's signature. The certificate must state that it is not valid without the signatures of the instructor and the student.



**2. Statement of Problem and Justification (*Please provide a brief explanation and justification statement for this proposal.*)**

A number of certificates for continuing education purposes are being submitted to the department without the students signatures. Many licencees continue to work although this information has been requested and essentially are working without licenses. This requirement will clarify what is the department's expectations are. .



## Elevator Rule Development Form Chapter 296-96 WAC Elevator Rules

Proposal Number: 2019-01030

### How to Submit this Form:

#### Mail requests to:

Department of Labor & Industries  
Elevator Program  
PO Box 44480  
Olympia Wa 98504-4800

#### Email requests to:

ElevatorSect@Lni.wa.gov

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### Submitter Information

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Date

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98501-5414

- 1. Proposal** *(Please provide the WAC rule number or National Code Section and include the new or revised language or language for deletion. Use underscore to denote the language to be inserted and ~~strike-through~~ to denote language to be deleted.)*

### WAC 296-96-01030 Plan Approval and Application Processing Fees

Prior to the start of construction and the issuance of a permit, the applicant shall submit to the department for approval an application and plans for new installations or major alterations. To be approved, the plan shall comply with the latest adopted applicable standard and applicable Washington Administrative Code (WAC). In addition, the plans shall include all information necessary to determine whether each installation/alteration complies with all applicable codes. The permit holder shall keep a copy of the approved plan on the job site until the department has witnessed all acceptance tests. Any alterations to the approved plan shall be submitted to the department for approval before a final inspection will be conducted. The nonrefundable fees for ~~reviewing-~~ processing the ~~plans~~ applications are \$33.20 for each installation/major alteration.

#### Exception:

Residential incline chair lifts will not require plan review; however the processing fee still applies. Equipment shall be listed and labeled by a product testing laboratory which is accredited by the department and plans supplied by the manufacturer shall be on-site. If the equipment is not listed and labeled as per RCW 19.28.010 it shall be field evaluated or replaced with equipment that is listed and labeled by a product testing laboratory which is accredited by the department.

- 2. Statement of Problem and Justification** *(Please provide a brief explanation and justification statement for this proposal.)*

Processing the application for a new installation or major alteration takes a great deal of time. Language was changed to reflect the fee is associated with processing the application for new installations and major alterations.





## Elevator Rule Development Form Chapter 296-96 WAC Elevator Rules

Proposal Number: 2019-01055

### How to Submit this Form:

#### Mail requests to:

Department of Labor & Industries  
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PO Box 44480  
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WAC 296-96-01055 Technical Services and Consultations.

A person, firm, corporation, or governmental agency may request elevator field technical services from the department by paying a fee of \$80.30 per hour or any portion thereof (including travel time) plus the standard per diem and mileage allowance granted to department inspectors. These field technical services may include code evaluation, code consultation, plan examination, code interpretation and clarification of technical data relating to the application of the department's conveyance rules. Field technical services do not include inspections.

- 2. Statement of Problem and Justification** (*Please provide a brief explanation and justification statement for this proposal.*)

The current language does not allow the program to charge for the true amount of time this servicee takes. The proposed language is more in keeping with the language used for other programs.



## Elevator Rule Development Form Chapter 296-96 WAC Elevator Rules

Proposal Number: 2019-01057

### How to Submit this Form:

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WAC 296-96-01057 Accident Investigations

The department shall investigate an injury-related accident reported by the owner or owner's duly authorized agent that has not been documented as mis-use through recordings or witnesses' or users' statements. The department may charge at a rate of \$80.30 per hour or portion thereof (including travel time) plus the standard per diem and mileage allowance granted to department inspectors.

- 2. Statement of Problem and Justification (Please provide a brief explanation and justification statement for this proposal.)**

Many of the injury -related accidents are due to mis-use of the conveyance. The public will be better served by allowing inspectors fo investigate only those accidents that are not a result of documented mis-use thereby enabling the inspectors to perform more annual inspections.

The current language does not allow the program to charge for the true amount of time this servicee takes. The proposed language is more in keeping with the language used for other programs.



## Elevator Rule Development Form Chapter 296-96 WAC Elevator Rules

Proposal Number: 2019-296-96-02470

### How to Submit this Form:

#### Mail requests to:

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### ~~WAC 296-96-02470~~

#### ~~Fireman's service for groups of four or more.~~

~~Groups of elevators containing four or more cars may be provided with two three-position key switches per group. For purposes of this section, a group shall be defined as all elevators serving the same portion of a building. Hall call buttons common to a group will remain in service unless both Phase I recall switches of a four-car or larger group are placed in the recall mode or a fire alarm recall signal is initiated.~~

Repeal

2. Statement of Problem and Justification (Please provide a brief explanation and justification statement for this proposal.)



Rationale: FEO is one of the more complex sections of the elevator code. This rule attempts to permit an additional Phase I recall switch in certain conditions. However, there is no associated language to indicate how the elevators are to operate in response to this switch. If there is a desire to keep this requirement, a rationale needs to be provided as to the safety benefit derived from the addition of the extra switch. Also, detailed language of how the elevators are to operate in response to the activation of this switch needs to be provided to ensure operation is consistent from one job to another.



## Elevator Rule Development Form Chapter 296-96 WAC Elevator Rules

Proposal Number: 2019-296-96-02471

### How to Submit this Form:

#### Mail requests to:

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~~WAC 296-96-02471~~

#### ~~Emergency personnel lock box.~~

~~A lock box is required to house the keys specified in ASME A17.1/CSA B44, Section 2.27.8.~~

2. Statement of Problem and Justification (Please provide a brief explanation and justification statement for this proposal.)

Rationale: Repeal this rule. It no longer has value based on the rewrite of 296-96-02580.





## Elevator Rule Development Form Chapter 296-96 WAC Elevator Rules

Proposal Number: 2019-296-96-025XX

### How to Submit this Form:

#### Mail requests to:

Department of Labor & Industries  
Elevator Program  
PO Box 44480  
Olympia Wa 98504-4800

#### Email requests to:

ElevatorSect@Lni.wa.gov

#### Fax requests to:

360-902-6132

### Submitter Information

Name/Company Name

L&I

Date

2/27/19

Email Address

Phone Number

Fax Number

Street Address

City

State

Zip Code

- 1. Proposal (Please provide the WAC rule number or National Code Section and include the new or revised language or language for deletion. Use underscore to denote the language to be inserted and ~~strike through~~ to denote language to be deleted.)**

### WAC 296-96-XXXX Fire Doors Installed in Front of Hoistway Doors

If fire and/or smoke doors are required to be installed by the International Building Code or the local building official, they must:

- (1) Not be permanently attached to the hoistway door assembly.
- (2) Not encroach upon the full width and height of the hoistway door opening.
- (3) Ensure the adherence to A117.1 as to hall buttons, lanterns, jamb markings, key switches and position indicators location and line of sight.

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<b>2. Statement of Problem and Justification (<i>Please provide a brief explanation and justification statement for this proposal.</i>)</b>
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This rule was removed from a previous (2014 WAC 296-96-02585) but the 2016 A17.1 Rule 2.11.6.3 does not completely cover this.
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## Elevator Rule Development Form Chapter 296-96 WAC Elevator Rules

Proposal Number: 2019-02530

### How to Submit this Form:

#### Mail requests to:

Department of Labor & Industries  
Elevator Program  
PO Box 44480  
Olympia Wa 98504-4800

#### Email requests to:

ElevatorSect@Lni.wa.gov

#### Fax requests to:

360-902-6132

### Submitter Information

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7273 Linderson Way SW

City

Tumwater

State

WA

Zip Code

98501-5414

- 1. Proposal** (*Please provide the WAC rule number or National Code Section and include the new or revised language or language for deletion. Use underscore to denote the language to be inserted and ~~strike-through~~ to denote language to be deleted.*)

#### WAC 296-96-02530 Handrails

Handrails are not required. Where handrails are provided in elevator cars, ~~their configuration~~ they shall comply with ~~ADAAG or ICC A117.1~~ the following:

- be securely attached to the wall;
- be located at a height of between thirty-two and thirty-five inches from the top of the handrail to the floor;
- be attached to the wall with a 1-1/2 inch space between the wall and the rail;
- be constructed with the hand grip portion not less than 1-1/4 inches but not more than two inches wide; and
- be constructed with smooth surfaces and no sharp corners.

**Note:** Residential conveyances are excluded from this requirement.

- 2. Statement of Problem and Justification** (*Please provide a brief explanation and justification statement for this proposal.*)

The location of handrails in elevators are not addressed in ADAAG or ICC A117.1. This language allows for installation of handrails in elevator cabs and provides guidance as to the height and configuration.



## Elevator Rule Development Form Chapter 296-96 WAC Elevator Rules

Proposal Number: 2019-02580

How to Submit this Form:		
<b>Mail requests to:</b>	<b>Email requests to:</b>	<b>Fax requests to:</b>
Department of Labor & Industries Elevator Program PO Box 44480 Olympia Wa 98504-4800	<u>ElevatorSect@Lni.wa.gov</u>	360-902-6132

Submitter Information			
Name/Company Name Dotty Stanlaske/Labor and Industries		Date 3/23/19	
Email Address sdot235@lni.wa.gov	Phone Number 360-902-6456	Fax Number	
Street Address 7273 Linderson Way SW	City Tumwater	State WA	Zip Code

1. Proposal (*Please provide the WAC rule number or National Code Section and include the new or revised language or language for deletion. Use underscore to denote the language to be inserted and ~~strike-through~~ to denote language to be deleted.*)

### WAC 296-96-02580

#### Keys required on-site:

The keys for Group 2 Authorized Personnel (see ASME A17.1/CSA B44 8.1.3) shall be located in a locked key retainer box in the elevator lobby at the designated level above the hall buttons, or located by machine room doors at no more than six feet above the floor, provided access to the key box doesn't require passage through locked doors. If in order to meet this requirement the box would be located in an unsecured location (such as the outside portion of a condo), other arrangements shall be accommodated with the written permission of the department.

The key retainer box shall be:

- Readily accessible to authorized personnel;
- Clearly labeled "ELEVATOR";
- Securely mounted;
- Equipped with a 1-inch mortise cylinder cam lock with keyway set to a #39504 Fort type key;

Further:

• Keys for access to elevator machine rooms and for operating elevator equipment shall be tagged and kept in the key box.

• The box shall contain all keys associated with the Group 2 Security and applicable to the elevator(s) (see ASME A17.1/CSA B44, Req. 8.1.3);

• Mechanical hoistway access devices shall be located in the key box or machine room.

Note: The cities of Seattle and Spokane may designate their own options for keys and lockbox arrangement via their rule processes.

EXCEPTION: Residential elevators are exempt from this section.

#### Inspection Keys

1. All keys necessary for the operation and maintenance of the elevator(s) shall be provided and kept on site as follows: . . .



2. The key retainer box shall be:

- a. Located in a locked key retainer box in the elevator lobby at the designated level above the hall buttons or located by machine room doors at no more than six feet above the floor provided access to the key box doesn't require passage through locked doors.
  - b. Readily accessible to inspection personnel;
  - c. Clearly labeled "ELEVATOR";
  - d. Securely mounted;
  - e. Equipped with a 1-inch mortise cylinder cam lock with keyway set to a #39504 Fort type key;
  - f. Keys for access to elevator machine rooms and for operating elevator equipment shall be tagged and kept in the key box;
  - g. Mechanical hoistway access devices shall be located in the key box. Where the key cannot fit into the key box, it may be located in the machine room; and
  - h. Where the box cannot be located as indicated in 2(a) of this rule, it shall be permitted to be in an unsecured location (such as the outside portion of a condominium). Other arrangements shall be accommodated with the written permission of the department.
  - i. No persons except the building owner and inspectors shall have access to the key box.
  - j. All other keys kept elsewhere on site shall be segregated into groups and secured as required by ASME A17.1/CSA B44, Section 8.1.
3. The cities of Seattle and Spokane shall be permitted to designate their own options for keys and lockbox arrangement.
4. Residential elevators are exempt from this rule.

**2. Statement of Problem and Justification (Please provide a brief explanation and justification statement for this proposal.)**

Rationale: This rule was not written correctly in the previous rule review. The changes are to reflect the true intention of the key box and to delineate the requirements of A17.1/B44, Section 8.1.



## Elevator Rule Development Form Chapter 296-96 WAC Elevator Rules

Proposal Number: 2019-296-96-05050

### How to Submit this Form:

#### Mail requests to:

Department of Labor & Industries  
Elevator Program  
PO Box 44480  
Olympia Wa 98504-4800

#### Email requests to:

ElevatorSect@Lni.wa.gov

#### Fax requests to:

360-902-6132

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3/23/19

Email Address

sdot235@lni.wa.gov

Phone Number

360-902-6456

Fax Number

Street Address

7273 Linderson Way SW

City

Tumwater

State

WA

Zip Code

1. Proposal (Please provide the WAC rule number or National Code Section and include the new or revised language or language for deletion. Use underscore to denote the language to be inserted and ~~strike through~~ to denote language to be deleted.)

### WAC 296-96-05050

#### Drive machines.

(1) Lift hoist driving machines shall be one of the following types:

- (a) Winding drum.
- (b) Traction.
- (c) Direct plunger.
- (d) Hydraulic.
- (e) Roped or chained hydraulic.
- (f) Rack and pinion.
- (g) Roller chain drive.
- ~~(h) Scissors.~~
- (i) Screw.

(2) Overhead mounted driving machines shall either be secured to the top of overhead beams or supported by the floor above. Hooks, cables, chains or similar devices cannot suspend driving machines.

(3) For traction machines, the diameter of drive sheaves cannot be less than 30 times the diameter of the hoisting cables. The diameters of all other sheaves cannot be less than 21 times this diameter.

2. Statement of Problem and Justification (Please provide a brief explanation and justification statement for this proposal.)

Scissor lifts are covered by MH 29.1 and are outside of our jurisdiction. This will eliminate the confusion surrounding these lifts.



## Elevator Rule Development Form Chapter 296-96 WAC Elevator Rules

Proposal Number: 2019-05190

### How to Submit this Form:

#### Mail requests to:

Department of Labor & Industries  
Elevator Program  
PO Box 44480  
Olympia Wa 98504-4800

#### Email requests to:

[ElevatorSect@Lni.wa.gov](mailto:ElevatorSect@Lni.wa.gov)

#### Fax requests to:

360-902-6132

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Date

3/23/19

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7273 Linderson Way SW

City

Tumwater

State

WA

Zip Code

1. Proposal (Please provide the WAC rule number or National Code Section and include the new or revised language or language for deletion. Use underscore to denote the language to be inserted and ~~strike-through~~ to denote language to be deleted.)

### WAC 296-96-05190

#### Pits.

Lift pits shall:

- (1) Have noncombustible floors;
- (2) Be designed to prevent the entry of groundwater into the pit;
- (3) Have floors that are substantially level;
- (4) ~~Where Have drains provided, drains that are~~ shall not be directly connected to sewers;
- (5) Provide safe and convenient access to the pit;
- (6) Provide an approved access ladder for pits deeper than 3 feet; and
- (7) Have nonperforated metal guards installed on the open sides of the counterweights where spring, solid or oil type buffers are attached. These guards shall:
  - (a) Extend from a point not more than 12 inches above the pit floor to a point at least 7 feet but not more than 8 feet above the floor;
  - (b) Be fastened to a properly reinforced and braced metal frame which will be at least equal in strength and stiffness to No. 14 U.S. gauge sheet steel; and
  - (c) Be omitted on the pit side where compensating chains or ropes are attached to the counterweight.

2. Statement of Problem and Justification (Please provide a brief explanation and justification statement for this proposal.)



Rationale: Typically pits for this type of lift are relatively shallow and there is no safety issue if the pit fills with water during a fire-related emergency. Therefore pit drains should not be required, but if provided they should not be connected directly to sewers.



## Elevator Rule Development Form Chapter 296-96 WAC Elevator Rules

Proposal Number: 2019-23117

### How to Submit this Form:

#### Mail requests to:

Department of Labor & Industries  
Elevator Program  
PO Box 44480  
Olympia Wa 98504-4800

#### Email requests to:

ElevatorSect@Lni.wa.gov

#### Fax requests to:

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### Submitter Information

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Street Address

7273 Linderson Way SW

City

Tumwater

State

WA

Zip Code

1. Proposal (Please provide the WAC rule number or National Code Section and include the new or revised language or language for deletion. Use underscore to denote the language to be inserted and ~~strike-through~~ to denote language to be deleted.)

### WAC 296-96-23117

#### Car top railings for traction elevators.

A standard railing shall be installed on the top of all traction elevators where the perpendicular distance between the edges of the car top and the adjacent hoistway enclosure exceeds 12 in. horizontal clearance. The railing shall be substantially constructed of metal and shall consist of a top rail, intermediate rail and post. The top rail shall have a smooth surface and the upper surface shall be located at a vertical height of 42 in. The intermediate rail shall be located approximately halfway between the top rail and the car top. There shall be a minimum of 6 in. of clearance above the top rail when the car is at its furthest point of travel. If the vertical clearance from the car top to the hoistway enclosure, including gravity stopping distance, is less than 48 in. away, the top handrail height may be reduced to 42 in. plus or minus 3 in. If the clearances will not allow a 39 in. handrail, do not install the top of car railing, instead provide signage required by WAC 296-96-23119.

EXEMPTION:

This requirement does not apply to electric manlifts.

#### Car top guard railings.

A standard railing shall be installed on the top of all elevators in compliance with ASME A17.1/CSA B44, 2.14.1.7. Where existing conditions do not permit the railing to be installed according to clearances 2.14.1.7.2, the following shall apply:

- 1) The top railing shall be installed at a height of not less than 1070 mm (42 in.).
- 2) In no case shall the top railing exceed 1100 mm (43 in.) from the car top.
- 3) Where overhead conditions prevent the top railing from being located between 1070 mm (42 in.) and 1100 mm (43 in.), the railing shall be permitted to be lowered to a height that will still provide

the minimum 100 mm (4 in.) vertical clearance to the nearest overhead object. In such cases the top railing shall be provided with red and white stripes 50 mm (2 in.) in width.

- 4) The stripes are only required on the side(s) where the top rail is below 900 mm (35 in.).
- 5) Where required, the strips shall extend the entire length of the top rail.
- 6) Where overhead conditions, prevent the railing from complying with the vertical height and/or the clearances in 2.14.1.7.2(a) or (b), provide signage as required by WAC 296-96-23119.

EXEMPTION: This requirement does not apply to electric manlifts (i.e. Special Purpose Personnel Elevators).

**2. Statement of Problem and Justification (*Please provide a brief explanation and justification statement for this proposal.*)**

Rationale: There is no need to distinguish a hydraulic elevator from an electric elevator since the fall potential from either car tops are the same. A17.3 does not address car top guard railings for existing elevators. However, the fall potential still exists.

In addition, there is no reason that guard rails cannot be installed on existing elevators to the same requirements as for new installations where feasible. Where site constraints impair that goal, this proposal provides alternatives to compliance with the prescriptive requirements of 2.14.1.7.



## Elevator Rule Development Form Chapter 296-96 WAC Elevator Rules

Proposal Number: 2019-23118

### How to Submit this Form:

#### Mail requests to:

Department of Labor & Industries  
Elevator Program  
PO Box 44480  
Olympia Wa 98504-4800

#### Email requests to:

ElevatorSect@Lni.wa.gov

#### Fax requests to:

360-902-6132

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Fax Number

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7273 Linderson Way SW

City

Tumwater

State

WA

Zip Code

1. Proposal (Please provide the WAC rule number or National Code Section and include the new or revised language or language for deletion. Use underscore to denote the language to be inserted and ~~strike through~~ to denote language to be deleted.)

### WAC 296-96-23118

Car top railings for hydraulic elevators.

~~A standard railing shall be installed on the top of hydraulic elevators installed in unenclosed hoistways. The railing shall be substantially constructed of metal and shall consist of a top rail, intermediate rail and post. The top rail shall have a smooth surface and, the upper surface shall be located at a vertical height of 42 in. plus or minus 3 in. The intermediate rail shall be located approximately halfway between the top rail and the car top. There shall be a minimum of 6 in. of clearance above the top rail when the car is at its furthest point of travel on the mechanical stop. If the vertical clearance of 6 in. cannot be achieved, do not install car top railing, instead provide signage required by WAC 296-96-23119.~~

**Repeal**

2. Statement of Problem and Justification (Please provide a brief explanation and justification statement for this proposal.)



Rationale: There is no need to distinguish a hydraulic elevator from an electric elevator since the fall potential from either car tops are the same. A17.3 does not address car top guard railings for existing elevators. However, the fall potential still exists.