

2019 First Draft - SHORT VERSION

Chapter 296-96 WAC

SAFETY REGULATIONS AND FEES FOR ALL ELEVATORS, DUMBWAITERS, ESCALATORS, AND OTHER CONVEYANCES

(Formerly chapters 296-81, 296-82, 296-84, 296-85, 296-87, 296-89, 296-91, 296-93A, 296-94, 296-95, and 296-100 WAC)

Last Update: ~~12/4/18~~ [2/10/21](#)

NOTE: This draft shows only those rules with changes under consideration and not the complete chapter.

Department change - means a change by the department not reviewed by the TAC and the ESAC.

Department proposal - means a rule change proposal from the department that was submitted during the rule review process and reviewed by the TAC and ESAC.

Stakeholder proposal - means a rule change proposal from a stakeholder that was submitted during the rule review process and reviewed by the TAC and ESAC.

WAC

PART A - ADMINISTRATIVE

- 296-96-00500 Scope, purpose, and authority.
- 296-96-00600 Application of adopted standards and rules.
- 296-96-00650 Adopted standards.
- 296-96-00675 Amendments to adopted standards.
- 296-96-00700 Chapter definitions.
- 296-96-00800 Advisory committee on conveyances.
- 296-96-00805 Appeal rights and hearings.

PART B - ELEVATOR CONTRACTOR AND CONVEYANCE MECHANIC
LICENSES AND REGULATIONS AND FEES

NOTE: Total fees include the sum of the permit cost plus plan check fees.

Part 1 - Licensing Requirements

Note: This part covers licensing requirements for elevator contractors and individuals working on conveyances.

- 296-96-00900 General license requirements.
- 296-96-00902 Exceptions to elevator mechanic license requirements.
- 296-96-00903 Exceptions to elevator contractor license requirements.
- 296-96-00904 License requirements for elevator contractors.
- 296-96-00906 License requirements for elevator mechanics.
- 296-96-00907 Making safety devices ineffective.
- 296-96-00908 Elevator mechanic experience and education requirements.
- 296-96-00910 Elevator mechanic license categories.
- 296-96-00912 License renewal requirements.

Part 2 - Continuing Education

- 296-96-00914 Continuing education course providers.
- 296-96-00916 Continuing education course provider requirements.
- 296-96-00918 Exemptions to continuing education requirements.

Part 3 - License Examinations, Fees, and Penalties

296-96-00920 Elevator licensing examinations.
296-96-00922 Licensing fees.
296-96-00924 Civil penalties for licensing violations.
296-96-00930 Outstanding judgments.

PART B-1 - PERMIT REGULATIONS AND FEES, PENALTIES AND
INSPECTION TYPES FOR ALL CONVEYANCES

296-96-01000 Permits for new construction and alterations.
296-96-01005 Obtaining permits.
296-96-01006 Work requiring permits.
296-96-01008 Decommissioning a conveyance.
296-96-01009 Purchasing a permit.
296-96-01010 Installation and alteration permit fees.
296-96-01025 Permit fees for personnel and material hoists.
296-96-01027 Permit fee refunds.
296-96-01030 Plan approval.
296-96-01035 Inspection fees.
296-96-01040 Construction-use inspection fee.
296-96-01045 Residential elevator inspection and fees.
296-96-01055 Technical services and consultations.
296-96-01057 Accident investigations.
296-96-01060 Inspections after normal business hours.
296-96-01065 Annual operating permit fees.
296-96-01070 Operating a conveyance without an operating
permit.

296-96-01075 Requests for variances (exceptions to requirements).

PART C - REGULATIONS FOR NEW AND ALTERED ELEVATORS AND
LIFTING DEVICES

NOTE: This part provides requirements for new and altered equipment in lieu of, or in conjunction with, ASME A17.1/CSA B44.

Section 1

Inspections, Alterations, and Construction-Use Permits

- 296-96-02400 Requests for acceptance inspections.
296-96-02405 Inspection and approval process for alterations.
296-96-02410 Alterations.
296-96-02415 Construction-use permit.

Section 2

Plan Submittals and Layout Drawings

- 296-96-02421 Layout plans.

Section 3

Requirements for Hydraulic Elevators

- 296-96-02425 Shut-off valves.

Section 4

Machine Space in Hoistways

- 296-96-02452 Access to machines, overhead sheaves, shackles,
and hitch supports.

Section 4⁵

Main Line Disconnects and Shunt-Trip Breakers

Commented [CAR(1)]: Department change.
Housekeeping. Updates to the Table of Contents.

Commented [CAR(2)]: Department change.
Housekeeping. Updates to the Table of Contents.

296-96-02460 Location.

Section ~~5~~6

Commented [CAR(3)]: Department change.
Housekeeping. Updates to the Table of Contents.

Additional Machine/Control Room Requirements

296-96-02465 Machine rooms, control rooms, and control spaces.

Section 7

Fire Service, Sprinklers, Sprinkler Pipes, Shunt Trip

~~296-96-02470 Fireman's service for groups of four or more.~~

~~296-96-02471 Emergency personnel lock box.~~

Commented [CAR(4)]: Department change.
Housekeeping. Updates to the Table of Contents.

296-96-02481 City of Seattle requirements for sprinklers and
shunt trips.

~~Car(s)~~

Section ~~6~~8

Commented [CAR(5)]: Department change.
Housekeeping. Updates to the Table of Contents.

Correction Facility Elevators

296-96-02490 Exceptions.

Section 9

Additional Requirements

Commented [CAR(6)]: Department change.
Housekeeping. Updates to the Table of Contents.

296-96-02525 Communication devices and systems.

296-96-02530 Handrails.

Section 10

Commented [CAR(7)]: Department change.
Housekeeping. Updates to the Table of Contents.

Hoistway and Pit

296-96-02552 Location of equipment in hoistway.

~~296-96-02553 Fire doors installed in front of hoistway doors.~~

Commented [CAR(8)]: Department change.
Housekeeping. Updates to the Table of Contents for new
section.

296-96-02558 Working platforms.

Section 11

Outside Hoistway

296-96-02580 ~~Keys required on site.~~ Inspection keys.

296-96-02590 Building official signatures.

Section 12

Accessibility Equipment

296-96-02605 Private residence inclined stairway chairlifts.

296-96-02640 Incline commercial stairway chair lifts.

296-96-02650 Additional required onsite documentation

Section 13

Private Residence Elevators

296-96-02700 Machine room requirements

PART C1 - MINIMUM STANDARDS FOR NEW AND ALTERED STANDARD

APPLICATION MATERIAL LIFTS

296-96-05000 Scope.

296-96-05010 Definition and use.

296-96-05020 Hoistway enclosure.

296-96-05030 Hoistway gates and doors.

296-96-05040 Space below hoistway.

296-96-05050 Drive machines.

296-96-05070 Car enclosures.

296-96-05080 Running clearance.

296-96-05090 Car and counterweight guides.

Commented [CAR(9)]: Department change.
Housekeeping. Updates to the Table of Contents.

Commented [CAR(10)]: Department change.
Housekeeping. Updates to the Table of Contents.

Commented [CAR(11)]: Department change.
Housekeeping. Updates to the Table of Contents.

Commented [CAR(12)]: Department change.
Housekeeping. Updates to the Table of Contents.

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296-96-05100 Loading and unloading.

296-96-05120 Operating devices, terminal stopping devices and
electrical protective devices.

296-96-05140 Car safeties.

296-96-05150 Brakes.

296-96-05160 Suspension means.

296-96-05170 Control stations.

296-96-05190 Pits.

296-96-05200 Illumination of landings.

296-96-05210 Signage.

296-96-05220 Electrical requirements.

296-96-05230 Exposed equipment.

296-96-05240 Minimum maintenance requirements.

296-96-05260 Inspections required.

296-96-05290 Periodic tests.

PART C2 - PRIVATE RESIDENCE INCLINED ELEVATORS

296-96-07150 Guide rails, track supports and fastenings.

PART C3 - CONSTRUCTION, OPERATION, MAINTENANCE AND
INSPECTION OF PRIVATE RESIDENCE INCLINED CONVEYANCES FOR
TRANSPORTING ONLY PROPERTY

NOTE: New installations shall comply with ASME A17.1/CSA B44, 5.4.

PART C4 - PERSONNEL HOISTS

Personnel Hoists

~~Personnel Hoists~~

Commented [CAR(13)]: Department change. Housekeeping. Updates to the Table of Contents.

NOTE: All newly installed personnel hoists shall comply with ASSE/ANSI A10.4.

PART C5 - ADDITIONAL TYPES OF CONVEYANCES

Material Hoists

NOTE: New installations to comply with ANSI A10.5.

Belt Manlifts

NOTE: New installations of belt manlifts shall comply with current adopted version of ASME A90.1.

~~296-96-11080 Five year test.~~

~~Special Purpose Personnel Elevators~~ Electric Manlifts

Commented [CAR(14)]: Department change. Updates to the table of contents. This rule is being repealed, as A90.1 does not require 5-year tests.

NOTE: New installations shall comply with ASME A17.1/CSA B44, Section 5.7. [Special Purpose Personnel Elevators](#)

Hand ~~Elevators~~ Powered Manlifts

Commented [CAR(16)]: Stakeholder proposal. To ensure that any new Electric Manlift or Hand-Powered Manlift is to comply with the requirements in A17.1-4.3 or 5.7.

Casket lifts: There may be a conflict requiring these types of lifts to comply with ASME A17.1 as we have found casket lifts on the internet that say they comply with ASME B20 VRC. It would be more logical to retain the WAC requirement for new and existing, maybe event to combine some of the WAC material lift with casket lifts.

NOTE: New installations shall comply with ASME A17.1/CSA B44, Section 4.3. [Hand Elevators](#)

Casket Lifts

TAC: 13 approve, 3 opposed. (friendly amendment passed to read: "new installations shall comply with the WAC requirements". TAC: 13 approve, two opposed.)

ESAC supports, no opposed.

NOTE: These conveyances are intended to be used only in mortuaries where moving caskets is necessary. The installation of new lifts ~~for~~ [this purpose shall comply with ASME A17.1/CSA B44, Part 7, shall comply with WAC requirements in Subpart XII.](#)

Commented [CAR(15)]: Casket lifts should comply with WAC, Part C1, or Type A or B material lifts in ASME A17.1/CSA B44, Part 7. Only existing Casket lifts need comply with Part D.

Boat Launching Elevators

296-96-18010 Definition.

296-96-18011 Minimum maintenance requirements.

296-96-18020 Car and platform enclosures.

296-96-18030 Electrical wiring requirements.
296-96-18040 Brakes.
296-96-18050 Stop switches and protective devices.
296-96-18060 Reshackling and refastening of hoisting cables.
296-96-18070 Hoistway gates and doors.
296-96-18080 Hoistway enclosures.

Mechanized Parking Garages

~~296-96-20005 Applicable codes and standards.~~

296-96-20010 Minimum maintenance requirements.

PART D - REGULATIONS FOR EXISTING ELEVATORS, STANDARD

APPLICATION MATERIAL LIFTS, DUMBWAITERS, AND ESCALATORS

Commented [CAR(17): Department change.
Update to the table of contents. This rule is being repealed,
as there is no longer a code that supports these devices.

Commented [CAR(18): Department change.
Adds Standard Application Material lifts to Part D for
existing conveyances.

NOTE: This part provides the minimum requirements for existing conveyances. Application of Part D rules apply where a conveyance was not provided, or required to be provided, with a device or system when originally installed or altered. Where Part D does not cover a particular device or system, refer to ASME A17.3.

Section 1

Compliance Time Frames

296-96-23000 Compliance time frames.

Section 2

Additional Requirements

296-96-23100 Elevator operating keys.

296-96-23101 Identification numbers.

Subpart I

Section 1

Hoistways

296-96-23115 Access to overhead sheaves.

296-96-23116 Car numbers.

296-96-23117 Car top guard railings. ~~for traction elevators.~~

~~296-96-23118 Car top railings for hydraulic elevators.~~

Commented [CAR(19): Department change.
Housekeeping. Updates to the Table of Contents.

296-96-23119 Low overhead signs.

Section 2

Machine Rooms and Machinery Spaces

296-96-23122 Machine room and machinery space illumination.

296-96-23123 Duplex and simplex receptacles.

296-96-23126 Guarding of equipment.

Section 3

Pits

296-96-23130 Pit access.

296-96-23132 Pit illumination and receptacles.

296-96-23158 Identification of floors.

Subpart II

~~+~~Machinery and Equipment for Existing

Electric~~+~~

~~[Existing]~~ Elevators

Commented [CAR(20): Department change.
Housekeeping. Updates to the Table of Contents.

296-96-23200 Scope.

Section 1

Compensating Means Connections

296-96-23205 Compensating means.

Section 2

Suspension Systems and Their Connections

296-96-23283 Missing data tags.

~~Section 3~~ Subpart III

~~Absence of Safety Bulkheads~~

296-96-23303 Hydraulic elevators without safety bulkheads.

Subpart ~~III~~ IV

Alterations, Repairs, Maintenance, and Testing

296-96-23605 Examination of standard application material lifts, special purpose ~~lifts~~ elevators, electric manlifts, and hand-powered manlifts ~~elevators~~.

296-96-23606 Installations placed in voluntary red tag status.

Subpart ~~IV~~

Lifts for ~~Physically Handicapped~~ Persons with Disabilities

296-96-23700 Lifts for persons with disabilities.

296-96-23701 ~~Periodic examinations~~ Maintenance and tests on commercial accessibility lifts.

Subpart VI

Standard Application Material Lifts

296-96-24000 Applicable codes and rules.

~~Subpart VI~~

~~Alterations, Repairs, Maintenance, and Testing~~

Subpart VII ~~II~~

Inclined Private Residence Elevators

296-96-24100 Definition of inclined private residence elevators.

Commented [CAR(21): Department change. Housekeeping. Updates to the Table of Contents.

Commented [CAR(22): Department change. Housekeeping. Updates to the Table of Contents.

Commented [CAR(23): Department change. Housekeeping. Updates to the Table of Contents.

Commented [CAR(24): Department change. Housekeeping. Updates to the Table of Contents.

Commented [CAR(25): Department change. Housekeeping. Aligns with modern terminology.

Commented [CAR(26): Department change. Housekeeping. Updates to the Table of Contents.

Commented [CAR(27): Department change. Housekeeping. Updates to the Table of Contents.

Commented [CAR(28): Department change. Housekeeping. Updates to the Table of Contents.

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296-96-24103 Requirements for existing inclined elevators.
296-96-24106 Alterations.
296-96-24109 Minimum maintenance requirements.
296-96-24112 Runway clearances.
296-96-24115 Landing enclosures and gates.
296-96-24118 Bumpers and buffers.
296-96-24121 Machinery beams and supports.
296-96-24124 Car platforms.
296-96-24127 Maximum rated speed.
296-96-24130 Construction requirements.
296-96-24133 Car enclosures.
296-96-24136 Car doors and gates.
296-96-24139 Capacity and data plates.
296-96-24142 Guide rails, track supports and fastenings.
296-96-24145 Counterweights.
296-96-24148 Safeties and governors.
296-96-24151 Testing of safeties and governors.
296-96-24154 Driving machines and sheaves.
296-96-24157 Terminal stopping switches.
296-96-24160 Operation.
296-96-24163 Suspension means.
296-96-24166 Controllers.
296-96-24169 Traveling cables.
296-96-24172 Electrical wiring.

296-96-24175 Supporting structures.
296-96-24178 Additional requirements.

Subpart ~~VIII~~^{IX}

Commented [CAR(29): Department change.
Housekeeping. Updates to the Table of Contents.

Private Residence Inclined Conveyances for Transporting
Only Property

296-96-24200 Scope.
296-96-24203 Definition.
296-96-24206 Existing conveyances.
296-96-24209 Alterations.
296-96-24212 Plans.
296-96-24215 Minimum maintenance requirements.
296-96-24218 Cars, landing gates and enclosures.
296-96-24221 Bumpers and buffers.
296-96-24225 Machinery beams, sheaves, and supports.
296-96-24228 Rated load of platforms.
296-96-24231 Rated speed.
296-96-24234 Frames and platforms.
296-96-24237 Car enclosures.
296-96-24240 Capacity and data plates.
296-96-24243 Guide rails, track supports, and fastenings.
296-96-24246 Counterweights.
296-96-24249 Safeties and governors.
296-96-24252 Testing of safeties.
296-96-24255 Drive machines, sheaves and brakes.

296-96-24258 Terminal stopping switches.
296-96-24261 Activation and operation.
296-96-24264 Suspension means.
296-96-24267 Controllers.
296-96-24270 Traveling cables.
296-96-24273 Electrical requirements.
296-96-24276 Track supporting structures.
296-96-24279 Additional requirements.

Subpart ~~XIX~~

Material Hoists

296-96-24301 Applicable regulations.
296-96-24350 Inspection of jumps.

Subpart ~~XXI~~

Belt Manlifts

296-96-24401 Applicable requirements.

~~296-96-24416 Landings.~~

~~296-96-24419 Landing guards and cones.~~

~~296-96-24422 Guarding of entrances and exits.~~

~~296-96-24425 Guarding of floor openings.~~

~~296-96-24428 Guarding of floor landings.~~

~~296-96-24431 Bottom landings.~~

~~296-96-24434 Top clearances.~~

~~296-96-24437 Emergency exit ladders.~~

~~296-96-24440 Lighting.~~

Commented [CAR(30)]: Department change.
Housekeeping. Updates to the Table of Contents.

Commented [CAR(31)]: Department change.
Housekeeping. Updates to the Table of Contents.

~~296-96-24445 Drive machines.~~

~~296-96-24448 Operating speed.~~

~~296-96-24451 Stop requirements.~~

~~296-96-24454 Handholds.~~

~~296-96-24457 Up limit stop devices.~~

~~296-96-24460 Emergency stop devices.~~

~~296-96-24466 Warning signs.~~

~~296-96-24470 Restricted use of manlifts.~~

~~296-96-24478 Inspection requirements.~~

296-96-24480 ~~Five year test requirements~~Additional annual
testing requirements.

~~Subpart XI~~II

~~Special Purpose Elevators~~

~~(Formerly Known as Electric Manlifts)~~

296-96-24500 Scope.

296-96-24516 Maintenance requirements.

296-96-24519 Hoistway and landing construction.

296-96-24522 Hoistway doors and gates.

296-96-24525 Car enclosures and frames.

296-96-24528 Car doors and gates.

296-96-24531 Counterweight enclosures, counterweight and
fastenings.

296-96-24534 Guide rails.

296-96-24537 Suspension means.

Commented [CAR(32)]: Department change.
Housekeeping. Updates to the Table of Contents for rules to
repeal.

Commented [CAR(33)]: Stakeholder proposal.
Need to retain the title of Electric Manlifts, this is confusing
other SPE's that are installed to A17.1-5.3-Special Purpose
Elevators.

TAC: 14 approve, 1 not voted.
ESAC supports, no oppose.

296-96-24540 Habitable space below elevator.
296-96-24543 Car safeties.
296-96-24547 Drive machine brakes.
296-96-24550 Car controls.
296-96-24553 Drive machines.
296-96-24557 Buffers.
296-96-24560 Additional applicable requirements.

Subpart XI~~III~~

~~Hand Elevators~~

~~(Previously Called Hand-Powered Manlifts)~~

296-96-24600 Scope.
296-96-24611 Maintenance and test requirements.
296-96-24620 Landings and entrances.
296-96-24630 Habitable space beneath the car and counterweight.
296-96-24635 Guide rails.
296-96-24640 Buffers.
296-96-24645 Car construction.
296-96-24650 Counterweights.
296-96-24655 Sheaves and supporting members.
296-96-24660 Suspension means.
296-96-24665 Operating ropes.
296-96-24670 Hoistway requirements.

Commented [CAR(34): Stakeholder proposal.
Need to retain the title of Hand-Powered Manlifts, this is confusing with other hand elevators that are installed to A17.1-4.3-Hand Elevators.

TAC supports, no oppose.
ESAC supports, no oppose.

Subpart XI~~III~~~~IV~~

Casket Lifts

Commented [CAR(35): Department change.
Housekeeping. Updates to the Table of Contents for consistent numbering of subparts.

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Note: As a minimum, all such lifts currently installed shall comply with this section. These conveyances are intended to be used only in mortuaries where moving of caskets is necessary. New casket lifts shall comply with either ASME A17.1/CSA B44 Part 7 or with this chapter, Part C1.

- 296-96-24700 Scope.
- 296-96-24703 Minimum maintenance requirements.
- 296-96-24706 Machine rooms and machinery space.
- 296-96-24709 Equipment in machine rooms/spaces.
- 296-96-24712 Electrical wiring, pipes and ducts in hoistways and machine rooms.
- 296-96-24715 Pits.
- 296-96-24718 Hoistway door openings.
- 296-96-24721 Hoistway door installation.
- 296-96-24724 Hoistway door clearances.
- 296-96-24727 Hoistway door locking devices.
- 296-96-24730 Protection of space beneath hoistway.
- 296-96-24733 Car doors and gates.
- 296-96-24736 Car enclosure.
- 296-96-24739 Construction of car frames and platforms.
- 296-96-24742 Connecting car frames to platforms.
- 296-96-24745 Capacity.
- 296-96-24748 Driving machines.
- 296-96-24751 Material and grooving for sheaves and drums.
- 296-96-24754 Brakes.
- 296-96-24757 Terminal stopping devices.
- 296-96-24760 Suspension means.

296-96-24765 Hydraulic casket lifts.

296-96-24770 Valves, supply piping and fittings.

296-96-24775 Stopping devices.

296-96-24780 Operating devices.

WAC 296-96-00650 Adopted standards.

ELEVATOR CODES AND SUPPLEMENTS ADOPTED				
TYPE OF CONVEYANCE	CODE AND SUPPLEMENTS	DATE INSTALLED		COMMENTS
		FROM	TO	
Elevators, Dumbwaiters, Escalators	American Standard Safety Code (ASA) A17.1, 1960	11/1/1963	12/29/1967	Adopted Standard

Moving Walks	American Standard Safety Code (ASA) A17.1.13, 1962	11/1/1963	12/29/1967	Adopted Standard
Elevators, Dumbwaiters, Escalators, and Moving Walks	U.S.A. Standards USAS A17.1-1965 Supplements A17.1a-1967 A17.1b-1968 A17.1c-1969	12/30/1967	2/24/1972	Adopted Standard USAS 1965 includes revision and consolidation of A17.1-1960, A17.1a-1963, & A17.1.13-1962. Adopted code and supplements, excluding Appendix E & ANSI A17.1-1970.
Elevators, Dumbwaiters, Escalators, and Moving Walks	American National Standards Institute A17.1-1971	2/25/1972	6/30/1982	Adopted Standard as amended and revised through 1971.
Elevators, Dumbwaiters, Escalators, and Moving Walks	ANSI A17.1-1971; A17.1a-1972	2/25/1972	6/30/1982	Adopted Supplement
Elevators, Dumbwaiters, Escalators, and Moving Walks	ANSI A17.1-1981	7/1/1982	1/9/1986	Adopted Standard
Elevators, Dumbwaiters, Escalators, and Moving Walks	ANSI A17.1a-1982	3/1/1984	1/9/1986	Adopted Supplement
Elevators, Dumbwaiters, Escalators, and Moving Walks	ANSI A17.1b-1983	12/1/1984	1/9/1986	Adopted Supplement, except portable escalators covered by Part VIII A17.1b-1983.
Elevators, Dumbwaiters, Escalators, and Moving Walks	ANSI A17.1-1984	1/10/1986	12/31/1988	Adopted Standard Except Part XIX. After 11/1/1988 Part II, Rule 211.3b was replaced by WAC 296-81-275.
Elevators, Dumbwaiters, Escalators, and Moving Walks	ANSI A17.1a-1985	1/10/1986	12/31/1988	Adopted Supplement

Elevators, Dumbwaiters, Escalators, and Moving Walks	ANSI A17.1b-1985 A17.1c-1986 A17.1d-1986 A17.1e-1987	12/6/1987	12/31/1988	Adopted Supplement
Elevators, Dumbwaiters, Escalators, and Moving Walks	ANSI A17.1-1987	1/1/1989	12/31/1992	Adopted Standard Except Part XIX and Part II, Rule 211.3b. WAC 296-81-275 replaced Part II, Rule 211.3b.
Elevators, Dumbwaiters, Escalators, and Moving Walks	ASME A17.1-1990	1/1/1993	2/28/1995	Adopted Standard Except Part XIX and Part V, Section 513. Chapter 296-94 WAC replaced Part V, Section 513.
Elevators, Dumbwaiters, Escalators, and Moving Walks	ASME A17.1-1993	3/1/1995	6/30/1998	Adopted Standard Except Part XIX and Part V, Section 513. Chapter 296-94 WAC replaced Part V, Section 513.
Elevators, Dumbwaiters, Escalators, and Moving Walks	ASME A17.1-1996	6/30/1998	6/30/2004	Adopted Standard Except Part V, Section 513.
Elevators, Dumbwaiters, Escalators, and Moving Walks	ASME A17.1-2000 A17.1a-2002 A17.1b-2003	7/1/2004	1/1/2008	Adopted Standards and Addenda Except Rules 2.4.12.2, 8.6.5.8 and Sections 5.4, 7.4, 7.5, 7.6, 7.9, 7.10, 8.10.1.1.3 and 8.11.1.1.
Safety Standards for Platform Lifts and Stairway Chairlifts	ASME A18.1-1999 A18.1a-2001 A18.1b-2001	7/1/2004	1/1/2008	Adopted Standards and Addenda.
Safety Code for Elevators, Escalators, Dumbwaiters, Residential Elevators, Special Purpose	ASME A17.1-2004 A17.1a-2005	1/1/2008	1/1/2014	Adopted Standards and Addenda Except Rules 2.4.7.2, marked car top clearance space, 8.6.5.8, Maintenance of safety bulkhead, 5.4, Private residence incline elevators, 7.4 & 7.5 & 7.9 & 7.10 Material lifts, 8.10.1.1.3 and 8.11.1.1, QEI-1 inspector.
Safety Code for Platform Lifts and Stairway Chairlifts	ASME A18.1-2005	1/1/2008	1/1/2014 9/30/2018	
Safety Code for Belt Manlifts	ASME A90.1-2003	1/1/2008	1/1/2014 9/30/2018	
Safety Code for Personnel Hoists, Retroactive	ANSI A10.4-2004	1/1/2008	1/1/2014 9/30/2018	
Safety Code for Elevators, Escalators, Dumbwaiters, Residential Elevators, Special Purpose	ASME A17.1-2010	1/1/2014	8/31/2018 9/30/2018	
Standard for Elevator Suspension, Compensation, and Governor Systems	ASME A17.6-2010	1/1/2014	Current	
Safety Code for Platform Lifts and Stairway Chairlifts	ASME A18.1-2011	1/1/2014	8/31/2018 9/30/2018	
Safety Code for Belt Manlifts	ASME A90.1-2009	1/1/2014	8/31/2018 9/30/2018	
Safety Code for Personnel Hoists	ANSI A10.4-2007	1/1/2014	8/31/2018 9/30/2018	
Safety Code for Elevators, Escalators, Dumbwaiters, Residential Elevators, and Special Purpose	ASME A17.1-2016/CSA B44-16	10/1/2018	Current	

Commented [CAR(36): Department changes. Updates the dates installed section of the table to correct the end dates.

Guide for Inspection of Elevators, Escalators, and Moving Walks	ASME A17.2-2017	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	

Note: Copies of codes and supplements can be obtained from the following: The American Society of Mechanical Engineers (ASME), Order Department 150 Clove Road, 6th Floor, Little Falls, New Jersey 07424-2138 or by visiting www.asme.org. The American Society of Safety Engineers (ASSE) 1800 East Oakton Street, Des Plaines, IL 60018-2187 or by visiting www.asse.org.

Comments: Codes adopted by this chapter will be identified

with the applicable ASME/ANSI code reference number contained within the rules or as excluded or amended in WAC 296-96-00675.

[Statutory Authority: Chapter 70.87 RCW. WSR 18-18-070, § 296-96-00650, filed 8/31/18, effective 10/1/18; WSR 13-24-066, § 296-96-00650, filed 11/27/13, effective 1/1/14; WSR 08-23-085, § 296-96-00650, filed 11/18/08, effective 12/19/08; WSR 07-24-041, § 296-96-00650, filed 11/30/07, effective 1/1/08. Statutory Authority: RCW 70.87.020, 70.87.030, 70.87.034, 70.87.120, 70.87.185, 70.87.190, 2002 c 98, 2003 c 143 and 2004 c 66. WSR 04-12-047, § 296-96-00650, filed 5/28/04, effective 6/30/04. Statutory Authority: RCW 70.87.020, 70.87.030, 70.87.034, 70.87.120, 70.87.185 and chapter 70.87 RCW. WSR 01-02-026, § 296-96-00650, filed 12/22/00, effective 1/22/01.]

Commented [CAR(37)]: Department proposal. Corrects the installation dates (from 9/1/18 to 10/1/18) in the table for adopted standards. The adoption of some safety code installation dates were referenced incorrectly during the last rulemaking.

TAC supports, no oppose.
ESAC supports, no oppose.

WAC 296-96-00675 Amendments to adopted standards. (1)

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

(2) ASME A17.1/CSA B44, Section 1.2 Purpose and Exceptions amended as follows: The purpose of this code is to provide for the safety of life and limb, and to promote the public welfare. Compliance with these rules shall be achieved by:

(a) Conformance with the requirements in ASME A17.1/CSA B44 as amended by this chapter; or

(b) Conformance with a combination of requirements in ASME A17.1/CSA B44, this chapter, and ASME A17.7/CSA B44.7 with the following ASME A17.7/CSA B44.7 inclusions:

(i) All system or component certifications performed by an Accredited Elevator/Escalator Certification Organization (AECO) under ASME A17.7/CSA B44.7 shall be approved by the department before any such system or component is allowed to be permitted or installed in the state of Washington.

(ii) The applicant shall provide the certificate of certification for the device or system evaluated by an AECO.

(iii) The department has the final authority regarding acceptance of any item in ASME A17.7/CSA B44.7. The department may remove approval if a design has changed or unforeseen or undisclosed information is obtained.

Commented [CAR(38)]: Department proposal.
Adds language to exclude all references to QEI certification in American Society of Mechanical Engineers (ASME) A18.1 and ANSI/ASSE A10.4 from adoption. State inspectors are not required to be QEI certified.

TAC: 12 approve, 2 oppose, 2 abstentions.
ESAC supports, no oppose.

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(iv) The department will post the specific ASME A17.7/CSA B44.7 AECO certificate including exceptions agreed upon. At that time the certificate and exceptions become part of the adopted rule in the state of Washington and not subject to a variance process. The installer shall include the certificate and exceptions and all required information on each conveyance installed utilizing the ASME A17.7/CSA B44.7 method in the Maintenance Control Program documentation.

(v) The department may charge an additional fee for each item in review based upon the variance fee table.

(c) Additions or modifications to adopted standards and/or this chapter shall require approval from the department.

(3) ASME A17.1/CSA B44, Section 5.8, Marine Elevators. This section only applies to elevators installed on board a marine vessel flying the Washington state flag and under one hundred gross metric tons.

(4) ASME A17.1/CSA B44, Section 5.11, Wind Turbine Elevator is not adopted.

(5) Periodic tests and inspections. Pursuant to requirements 8.6.1.7 and 8.11.1.3, the department adopts ASME A17.1/CSA B44, Appendix N for the frequency of periodic tests. Pursuant to RCW 70.87.120 (2)(a) periodic inspections shall be performed annually.

(6) ASME A17.1/CSA B44 requirement 8.11.1.1.2 is not adopted. The department shall be permitted to witness periodic tests when the department deems necessary.

(7) ~~(a)~~ ASME A17.1-2016/CSA B44-16, 8.6.11.1 Firefighters' Emergency Operation is amended as follows: All elevators provided with firefighters' emergency operation shall be subjected quarterly, by authorized personnel, to Phase I recall by use of the keyed switch, and a minimum of one-floor operation on Phase II. Deficiencies shall be corrected. A record of findings shall be available to elevator personnel and the authority having jurisdiction.

~~(b)(8)~~ Append ASME A17.1-2016/CSA B44-16, 8.6.4.19.6 as follows: At least once each year, the fire alarm initiating devices associated with elevator recall and shunt trip initiating devices shall be tested to ensure they are still properly interfaced with the elevator control.

This test applies to electric and hydraulic elevators.

(9) ASME A17.3 requirement 3.10.3 is modified as follows: 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).

(10) The department will not allow the 8.6.11.10 "Category 5 Tests Without Load Via Alternative Test Methodologies" portion

Commented [CAR(39)]: Department change. Changes language to separate the requirements in subsection (7) to create a subsection (8) and adds language for rule clarity and ease of use.

Commented [CAR(40)]: Department proposal. Adds a new subsection (9) and subdivision (a) requiring at least one stop switch to be located where it can be reached prior to physically stepping onto the car top and renumbering subsections for formatting. Currently, there 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) cannot be reached without climbing onto the car top.

TAC: 9 approve, 1 approve, 6 abstentions.
ESAC supports, no oppose.

of ASME A17.1 to be followed in Washington. Standard Testing as outlined in ASME A17.1 shall be followed.

[Statutory Authority: Chapter 70.87 RCW. WSR 19-15-118, § 296-96-00675, filed 7/23/19, effective 9/1/19; WSR 18-18-070, § 296-96-00675, filed 8/31/18, effective 10/1/18.]

Commented [CAR(41)]: Department change.
Adds a new subsection (10) to clarify that alternative testing is not allowed in WA. Reference ASME A17.1, 8.6.11.10.

PART B - ELEVATOR CONTRACTOR AND CONVEYANCE MECHANIC LICENSES AND REGULATIONS AND FEES

NOTE: Total fees include the sum of the permit cost plus plan check fees.

Part 1 - Licensing Requirements

Note: This part covers licensing requirements for elevator contractors and individuals working on conveyances.

WAC 296-96-00904 License requirements for elevator contractors. (1) Any sole proprietor, firm or corporation wishing to engage in the business of 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.

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The entities above shall obtain and maintain a valid specialty or general contractor registration under chapter 18.27 RCW to engage in the business of conveyance work.

(2) The potential licensee shall complete and submit a department-approved application. As part of the application the following shall be provided:

(a) The employee who is the licensed elevator contractor's primary point of contact.

(b) The number of years the applicant has been engaged in the business of installing, constructing, altering, replacing, maintaining, removing, dismantling and/or servicing conveyances.

(c) Documentation that at least one licensed elevator mechanic is employed by the applicant.

(3) The person representing the company, firm or corporation who is applying for the elevator contractor's license shall be considered the company's primary point of contact and shall:

(a) Provide acceptable proof to the department that shows that the person representing the company, firm, or corporation has five years of work experience in performing conveyance work as verified by current and previous state of Washington elevator licenses; or

(b) Pass a written examination administered by the department on chapter 70.87 RCW and this chapter with a minimum score of seventy percent.

Commented [CAR(42)]: Department change. Adds language to clarify that a point of contact must pass the written examination administered by the department with a minimum score of seventy percent. This is existing practice and doesn't impose a new requirement.

(c) Failure to pass the examination will require the submittal of a new application.

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

(5) The department may deny application or renewal of a license under this section if the applicant owes outstanding final judgments to the department.

(6) If the primary point of contact identified in subsection (2)(a) of this section separates employment, his/her relationship or designation is terminated, or death of the designated individual occurs, the elevator contractor shall, within ninety days, designate a new individual who has met the requirement noted above to serve as the elevator contractor's primary point of contact. The elevator contractor shall inform the department of the change in writing or the contractor's license will be automatically suspended.

(7) Where unique or product-specific procedures or methods are required to inspect or test equipment, such procedures, or methods shall be:

Commented [CAR(43)]: Department change. Housekeeping. Punctuation change.

(a) Provided in the maintenance control program.

(b) Provided by the manufacturer or installer or their license may be suspended.

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(c) Available to owners for their use or used by their qualified service provider.

(d) Accessible on-site to elevator personnel (see also ASME A17.1-8.6.1.2.1(f)).

(e) Where special tools or devices are necessary for maintenance and testing of conveyances, they shall remain on-site for the life of the conveyance.

(8) Contractor licenses may be revoked for failure to comply with this subsection.

Legal maintenance contracts notwithstanding, all elevator companies and other approved maintenance providers (see RCW 70.87.270) who continuously demonstrate noncompliance with the maintenance, examination, testing, documentation, and performance of work outlined in ASME A17.1/CSA B44 and this chapter shall:

(a) Be notified in writing by the department outlining the reason or reasons for noncompliance;

(b) Respond to the department inquiry within fifteen days;

(c) Outline a solution(s) agreeable to the department within thirty days;

(i) Otherwise the elevator company's license may be suspended until such a time as they can demonstrate compliance; and

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(ii) Other approved maintenance providers shall cease maintenance, examination, and testing until such a time as they can demonstrate compliance. Continuous demonstrations of maintenance, examination, and testing noncompliance shall result in approval being revoked.

[Statutory Authority: Chapter 70.87 RCW. WSR 18-18-068, § 296-96-00904, filed 8/31/18, effective 10/1/18; WSR 13-24-066, § 296-96-00904, filed 11/27/13, effective 1/1/14; WSR 07-24-041, § 296-96-00904, filed 11/30/07, effective 1/1/08. Statutory Authority: RCW 70.87.020, 70.87.030, 70.87.034, 70.87.120, 70.87.185, 70.87.190, 2002 c 98, 2003 c 143 and 2004 c 66. WSR 04-12-047, § 296-96-00904, filed 5/28/04, effective 6/30/04.]

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.

(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:

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(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.

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

(5) 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

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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.

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

(7) 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 with a minimum passing score of eighty percent; 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

Commented [CAR(44)]: Department change. Adds language to clarify that an elevator mechanic must pass the written examination administered by the department with a minimum score of eighty percent. This is existing practice and doesn't impose a new requirement.

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(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 with a minimum passing score of eighty percent.

Commented [CAR(45): Department change. Adds language to clarify that an elevator mechanic must pass the written examination administered by the department with a minimum score of eighty percent. This is existing practice and doesn't impose a new requirement.

(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 with a minimum passing score of eighty percent.

Commented [CAR(46): Department change. Adds language to clarify that an elevator mechanic must pass the written examination administered by the department with a minimum score of eighty percent. This is existing practice and doesn't impose a new requirement.

(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 with a minimum passing score of eighty percent.

(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.

(8) 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.

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

(10) The department may deny application of a license under this section if the applicant owes outstanding final judgments

Commented [CAR(47)]: Department change. Adds language to clarify that an elevator mechanic must pass the written examination administered by the department with a minimum score of eighty percent. This is existing practice and doesn't impose a new requirement.

to the department or does not meet the minimum criteria established in the elevator laws and rules.

[Statutory Authority: Chapter 70.87 RCW. WSR 19-24-086, § 296-96-00906, filed 12/3/19, effective 12/3/19; WSR 18-18-068, § 296-96-00906, filed 8/31/18, effective 10/1/18; WSR 13-24-066, § 296-96-00906, filed 11/27/13, effective 1/1/14; WSR 07-24-041, § 296-96-00906, filed 11/30/07, effective 1/1/08. Statutory Authority: RCW 70.87.020, 70.87.030, 70.87.034, 70.87.120, 70.87.185, 70.87.190, 2002 c 98, 2003 c 143 and 2004 c 66. WSR 04-12-047, § 296-96-00906, filed 5/28/04, effective 6/30/04.]

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.

(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

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(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.

(4) 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.

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

(5) 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.

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

(7) Qualify for licensing:

(a) For conveyance work covered by all categories identified in WAC 296-96-00910 except personnel hoists (04),

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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.

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(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 with a minimum passing score of eighty percent.

(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

Commented [CAR(48): Department change. Adds language to clarify that an elevator mechanic must pass the written examination administered by the department with a minimum score of eighty percent. This is existing practice and doesn't impose a new requirement.

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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.

(8) 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.

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

(10) 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.

[Statutory Authority: Chapter 70.87 RCW. WSR 18-18-068, § 296-96-00906, filed 8/31/18, effective 10/1/18; WSR 13-24-066, § 296-96-00906, filed 11/27/13, effective 1/1/14; WSR 07-24-041, § 296-96-00906, filed 11/30/07, effective 1/1/08. Statutory Authority: RCW 70.87.020, 70.87.030, 70.87.034, 70.87.120, 70.87.185, 70.87.190, 2002 c 98, 2003 c 143 and 2004 c 66. WSR 04-12-047, § 296-96-00906, filed 5/28/04, effective 6/30/04.]

WAC 296-96-00908 Elevator mechanic experience and education requirements. (1) General.

(a) Applicants for an elevator mechanic license shall have an acceptable combination of documented experience and education

credits in the category of license sought as prescribed in Table 1 of this section to qualify for licensing.

(b) An acceptable combination of documented experience and education credits is determined by the department.

(c) The total number of hours for acceptable years' experience performing conveyance work is determined by the department.

(2) **Acceptable education credit requirements.**

(a) Applicants for an elevator mechanic license shall earn a certain number of education credits every year. The number of education credits required depends upon the number of hours required for the license category.

(b) An "education credit," for the purposes of this chapter, is equivalent to one hour of educational training.

(c) Credit may be earned by one or more of the following methods:

- (i) In-person college or trade school course work;
- (ii) On-line courses;
- (iii) Industry-sponsored programs;
- (iv) Company and manufacturer-specific training.

(d) Education credits may be carried over from one twelve-month period to a subsequent twelve-month period until the appropriate number of work experience hours can be obtained for the applicant to qualify for the written examination.

(e) Elevator companies are responsible for determining the best way to train their employees in order to meet the educational requirements for the particular category of license sought.

(3) Acceptable experience requirements.

(a) Applicants for an elevator mechanic license shall obtain hands-on work experience on conveyance system installations, maintenance, repair, service, and testing with the exception of the category (08) license.

(b) Applicants pursuing the category (08) license shall obtain hands-on work experience on conveyance system maintenance and non-alteration repair and replacement.

Commented [AC49]: Department change. Housekeeping. Added a hyphen.

(4) Acceptable proof of experience and education credits.

(a) The applicant shall provide the department with a complete list of education credits and copies of certificates of successful completion before the applicant can take the written examination administered by the department.

(b) For an initial license, the applicant may need to take and pass the written examination. To qualify for the written examination or a license, the applicant shall earn a certain number of education and work experience hours. The department recommends these hours include the following subjects depending on the type of licensing category:

- Basic safety, electricity, rigging and hoisting.

- Basic introduction to maintenance practices.
- Electrical theory, electronics, and electrical operation.
- Electrical wiring, equipment, installation and maintenance.
- Conveyance safety testing.
- Suspension maintenance and testing.
- Installation of pits, rails, machine rooms, and hoistways.
- Hydraulic theory, operation, and installation.
- Elevator doors and door operators.
- Conveyance installation and related construction.
- Escalators/moving walks installation, maintenance and testing.
- Applicable national and state codes (ASME, NFPA, ADA, WAC, etc.).

(c) A detailed list of courses meeting the requirements of this chapter will be maintained by the department.

(5) **Experience and education hours required by category.**

Applicants for an elevator mechanic license shall complete the following education and work experience hours in the applicable licensing category to qualify for written examination or a license:

Table 1
Experience and Education Hours

License Category	Minimum Hours of Education Credits Required to be Eligible for Licensing	Total Minimum Hours of Combined Education Credits and Work Experience to be Eligible for Licensing
Category (01)	144 hours per twelve-month period for three consecutive twelve-month periods for a total of 432 hours	1,800 hours per twelve-month period for three consecutive twelve-month periods for a total of 5,400 hours
Category (02)	90 hours per twelve-month period for three consecutive twelve-month periods for a total of 270 hours	1,800 hours per twelve-month period for three consecutive twelve-month periods for a total of 5,400 hours
Category (03)	90 hours per twelve-month period for three consecutive twelve-month periods for a total of 270 hours	1,800 hours per twelve-month period for three consecutive twelve-month periods for a total of 5,400 hours
Category (04)	80 hours total	700 hours will be the equivalency of 1 year for a total of 2,100 hours (3 years)
Category (05) ¹	N/A	N/A
Category (06)	40 hours per twelve-month period for two consecutive twelve-month periods for a total of 80 hours	1,200 hours per twelve-month period for two consecutive twelve-month periods for a total of 2,400 hours
Category (07)	40 hours per twelve-month period for one twelve-month period for a total of 40 hours	1,800 hours per twelve-month period for three consecutive twelve-month periods for a total of 5,400 hours
Category (08)	144 hours per twelve-month period for three consecutive twelve-month periods for a total of 432 hours	1,800 hours per twelve-month period for three consecutive twelve-month periods for a total of 5,400 hours
Category (09) ²	75% of the educational hours in the category of the license sought	75% of the experience hours in the category of the license sought
Category (10) Emergency License	As certified by the elevator contractor	As certified by the elevator contractor

Notes: ¹Category (05): The applicant shall meet the experience and education requirements per RCW 70.87.245.

²Category (09): The applicant shall meet the experience and education requirements per WAC 296-96-00906 and 296-96-00912.

[Statutory Authority: Chapter 70.87 RCW. WSR 18-18-068, § 296-96-00908, filed 8/31/18, effective 10/1/18.]

WAC 296-96-00910 Elevator mechanic license categories.

The following are the licensing categories for qualified elevator mechanics or temporary elevator mechanics:

(1) **Category (01):** A general elevator mechanic license encompasses the installation, alteration, maintenance, inspection, relocation, decommission, removal, and repair of all types of elevators and other conveyances in any location covered under chapter 70.87 RCW and this chapter.

(2) **Category (02):** This license is limited to the installation, alteration, maintenance, inspection, relocation, decommission, removal, and repair of the following commercial and residential conveyances:

(a) Residential conveyances:

(i) Wheelchair lifts*;

(ii) Dumbwaiters;

(iii) Incline chairlifts*; and

(iv) Residential elevators.

*License is not required to remove these.

(b) Commercial conveyances:

(i) Wheelchair lifts;

(ii) Dumbwaiters;

(iii) Incline chairlifts; and

(iv) LULA elevators.

(3) **Category (03):** This license is limited to the installation, alteration, maintenance, inspection, relocation, decommission, removal, and repair of the following conveyances in industrial sites and grain terminals:

(a) Electric and hand-powered manlifts;

(b) Special purpose elevators; and

(c) Belt manlifts.

(4) **Category (04):** This license is limited to the installation, alteration, maintenance, inspection, relocation, decommission, removal, and repair of the following conveyances:

(a) Temporary personnel hoists;

(b) Temporary material hoists; and

~~(c) Special purpose elevators.~~

(5) **Category (05):** This license is limited to the installation, alteration, maintenance, inspection, relocation, decommission, removal, and repair of material lifts.

(6) **Category (06):**

(a) This license is limited to the installation, alteration, maintenance, inspection, relocation, decommission, and repair of the following conveyances:

(i) Residential wheelchair lifts;

(ii) Residential dumbwaiters; and

(iii) Residential incline chairlifts.

Commented [CAR(50): Department change. Housekeeping, adds a hyphen to "hand powered".

Commented [CAR(51): Stakeholder proposal. Removes "special purpose elevators" from the (04) licensing category for elevator mechanics. The purpose is that this license category only requires 80 hours total of education and work experience of 700 hours will be equivalency of 1 year for a total of 2,100 hours (3 years).

License Category 3, which is the correct category, requires education of 90 hours per twelve-month period for three consecutive twelve-month periods for a total of 270 hours and work experience of 1,800 hours per twelve-month period for three consecutive twelve-month periods for a total of 5,400 hours. Summary, Special Purpose Elevators are a lot more complicated than a construction personnel hoist that is temporary attached/installed.

This would remove an elevator mechanics ability under an (04) license to pull permits and work on special purpose elevators.

TAC: 14 approved, 0 opposed, 2 abstained.
ESAC supports, no oppose.

(b) Work experience on conveyances in (a)(i), (ii), and (iii) of this subsection may not be all inclusively applied toward the category (02) license requirements.

Note: Maintenance work performed by the owner or at the direction of the owner is exempted from licensing requirements if the owner resides in the residence at which the conveyance is located and the conveyance is not accessible to the public. Such exempt work does not count toward work experience for licensure.

(7) **Category (07):** This license is limited to the installation, alteration, maintenance, inspection, relocation, decommission, and repair of residential inclined elevators.

Note: Maintenance work performed by the owner or at the direction of the owner is exempted from licensing requirements if the owner resides in the residence at which the conveyance is located and the conveyance is not accessible to the public. Such exempt work does not count toward work experience for licensure.

(8) **Category (08):** This license is limited to maintenance and non-alteration repair and replacement of all conveyances and is further limited to employees of public agencies to obtain and maintain the license. This work should not count towards other licenses.

(9) **Category (09):** A temporary license is limited to the installation, alteration, maintenance, inspection, relocation, decommission, removal, and repair of conveyances in the category for which the license is sought. The license shall be issued pursuant to the conditions of RCW 70.87.250.

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(10) **Category (10):** An emergency license is limited to the installation, alteration, maintenance, inspection, relocation, decommission, removal, and repair of conveyances by elevator mechanics that are certified by an elevator contractor to have an acceptable combination of documented experience and education to perform elevator work without direct and immediate supervision and is further limited for use during a state of emergency.

[Statutory Authority: Chapter 70.87 RCW. WSR 18-18-068, § 296-96-00910, filed 8/31/18, effective 10/1/18; WSR 13-24-066, § 296-96-00910, filed 11/27/13, effective 1/1/14; WSR 07-24-041, § 296-96-00910, filed 11/30/07, effective 1/1/08. Statutory Authority: RCW 70.87.020, 70.87.030, 70.87.034, 70.87.120, 70.87.185, 70.87.190, 2002 c 98, 2003 c 143 and 2004 c 66. WSR 04-12-047, § 296-96-00910, filed 5/28/04, effective 6/30/04.]

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.

(a) 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.

Commented [CAR(52): Department change. Changes for clarity.

(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.

(i) 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.

(ii) 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.

(c) Renewal of an elevator mechanic license shall be conditioned upon completion of not less than eight hours of instruction within one year immediately preceding a license renewal application and submission of a certificate of

completion for the course. Continuing education courses and instructors shall be approved by the department.

(2) Temporary elevator mechanics (category (09)). A temporary elevator mechanic license may be renewed 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 one year 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).

Note: The department may require the applicant demonstrate more than seventy-five percent of education hours if multiple temporary licenses are requested.

(3) The department may deny renewals of licenses under this section if the applicant owes outstanding final judgments to the department. Final judgment also includes any penalties assessed against an individual or firm owed the department because of an

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unappealed civil penalty or any outstanding fees due under chapter 70.87 RCW and this chapter.

(4) Renewals will be considered timely when the renewal application is received on or prior to the expiration date of the license.

(5) Renewals are considered late if the renewal applications are received after the expiration date of the license but no later than ninety days after the expiration of the licenses. If the application is not received within ninety days from license expiration, the licensee must reapply and pass the competency examination.

(6) A mechanic licensed in the state of Washington may take a withdrawal if they are no longer working for a company licensed in the state or no longer performing work that requires a license. A mechanic holding a valid license that wishes to withdraw their license shall submit their request, in writing, to the department of labor and industries elevator section prior to the license expiration date. To cancel a withdrawal request and be reinstated, the mechanic shall submit their request in

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writing, reapply, complete the required continuing education,
and pay the renewal licensing fee.

[Statutory Authority: Chapter 70.87 RCW. WSR 19-24-086, § 296-96-00912, filed 12/3/19, effective 12/3/19; WSR 18-18-068, § 296-96-00912, filed 8/31/18, effective 10/1/18; WSR 13-24-066, § 296-96-00912, filed 11/27/13, effective 1/1/14. Statutory Authority: RCW 70.87.020, 70.87.030, 70.87.034, 70.87.120, 70.87.185, 70.87.190, 2002 c 98, 2003 c 143 and 2004 c 66. WSR 04-12-047, § 296-96-00912, filed 5/28/04, effective 6/30/04.]

Part 2 - Continuing Education

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.

(iv) The name and qualifications of the course instructor(s);

(v) The locations where the course will be taught;

Commented [CAR(53): Department proposal. A number of certificates for continuing education purposes are being submitted to the department without the students' signatures. Many licensees continue to work although this information has been requested and essentially are working without licenses. This requirement will clarify the department's expectations.

TAC: 14 approve, 0 oppose, 2 abstained.
ESAC supports, no oppose.

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(vi) The days and hours the course will be offered; and

(vii) The specific fees associated with the course, as well as, the total cost of the course.

(f) Training courses will be approved for a two-year period.

(g) It is the responsibility of the provider to annually review and update its courses and to notify the department of any changes.

(h) The department may withdraw its approval of any training course if it determines the provider is no longer in compliance with the requirements of this chapter. If the department withdraws its approval of a training course, it will give the provider written notification of the withdrawal, specifying the reasons for its decision.

(i) Approved training providers shall keep uniform records, for a period of ten years, of attendance of licensees and these records shall be available for inspection by the department at its request. The provider shall submit a list of names of the attendees to the department on or before thirty days after the date of the course being held. Approved training providers are responsible for the security of all attendance records and certificates of completion. Falsifying or knowingly allowing another to falsify attendance records or certificates of

completion constitutes grounds for suspension or revocation of the approval required under this section.

[Statutory Authority: Chapter 70.87 RCW. WSR 18-18-068, § 296-96-00916, filed 8/31/18, effective 10/1/18. Statutory Authority: RCW 70.87.020, 70.87.030, 70.87.034, 70.87.120, 70.87.185, 70.87.190, 2002 c 98, 2003 c 143 and 2004 c 66. WSR 04-12-047, § 296-96-00916, filed 5/28/04, effective 6/30/04.]

Part 3 - License Examinations, Fees, and Penalties

WAC 296-96-00920 Elevator licensing examinations.

Examinations shall be held at locations and times when considered necessary by the department. The department will notify qualified applicants of the date, time, and location of the examination.

[Statutory Authority: Chapter 70.87 RCW. WSR 18-18-068, § 296-96-00920, filed 8/31/18, effective 10/1/18. Statutory Authority: RCW 70.87.020, 70.87.030, 70.87.034, 70.87.120, 70.87.185, 70.87.190, 2002 c 98, 2003 c 143 and 2004 c 66. WSR 04-12-047, § 296-96-00920, filed 5/28/04, effective 6/30/04.]

WAC 296-96-00922 Licensing fees.

The following are the

department's elevator license fees:

Type of Fee	Period Covered by Fee	Dollar Amount of Fee
Elevator contractor/mechanic application fee (not required for renewal of valid license)	Per application	\$66.80 70.10

Commented [CAR(54): Department change. Increases fees by the fiscal growth factor of 5.08 percent to support operating expenses for inspections and other public safety activities for the elevator program. This is the Office of Financial Management's (OFM) maximum allowable fiscal growth rate for fiscal year 2020.

Type of Fee	Period Covered by Fee	Dollar Amount of Fee
Elevator contractor/mechanic examination fee	Per application	\$201.30 <u>\$211.50</u> ***
Reciprocity application fee	Per application*	\$66.80 <u>70.10</u>
Elevator mechanic license	2 years	\$134.10 <u>140.90</u>
Elevator contractor license	2 years	\$134.10 <u>140.90</u>
Temporary elevator mechanic license application fee (not required for renewal)	Per application	\$66.80 <u>70.10</u>
Temporary elevator mechanic license	1 year	\$134.10 <u>140.90</u>
Emergency elevator mechanic license	30 days	\$33.20 <u>34.80</u>
Elevator mechanic/contractor timely renewal fee	2 years	\$134.10 <u>140.90</u>
Elevator mechanic/contractor late renewal fee	2 years	\$268.60 <u>282.20</u>
Temporary elevator mechanic timely renewal fee	1 year	\$134.10 <u>140.90</u>
Temporary elevator mechanic late renewal fee	1 year	\$268.60 <u>282.20</u>
Training provider application/renewal fee	2 years	\$134.10 <u>140.90</u>
Continuing education course fee by approved training provider	1 year**	Not applicable
Replacement of any licenses		\$19.90 <u>20.90</u>
Refund processing fee		\$40.00 <u>42.00</u>

* Reciprocity application is only allowed for applicants who are applying for licensing based upon possession of a valid license that was obtained in state(s) with which the department has a reciprocity.

** This fee is paid directly to the continuing education training course provider approved by the department.

***This fee may be collected by an outside vendor for some exams
and may differ from the fee shown above.

[Statutory Authority: Chapter 70.87 RCW. WSR 19-24-086, § 296-96-00922, filed 12/3/19, effective 12/3/19. Statutory Authority: Chapters 18.27, 70.87, 43.22, and 43.22A RCW. WSR 18-24-102, § 296-96-00922, filed 12/4/18, effective 1/4/19. Statutory Authority: Chapter 70.87 RCW. WSR 18-18-068, § 296-96-00922, filed 8/31/18, effective 10/1/18. Statutory Authority: Chapter 70.87 RCW and 2013 2nd sp.s. c 4. WSR 14-06-041, § 296-96-00922, filed 2/26/14, effective 4/1/14. Statutory Authority: Chapter 70.87 RCW and 2011 1st sp.s. c 50. WSR 12-06-065, § 296-96-00922, filed 3/6/12, effective 4/30/12. Statutory Authority: Chapters 18.27, 18.106, 43.22, and 70.87 RCW. WSR 07-11-128, § 296-96-00922, filed 5/22/07, effective 6/30/07. Statutory Authority: Chapters 18.106, 43.22, and 70.87 RCW. WSR 06-10-066, § 296-96-00922, filed 5/2/06, effective 6/30/06. Statutory Authority: Chapters 18.27, 43.22, and 70.87 RCW. WSR 05-12-032, § 296-96-00922, filed 5/24/05, effective 6/30/05. Statutory Authority: RCW 70.87.020, 70.87.030, 70.87.034, 70.87.120, 70.87.185, 70.87.190, 2002 c 98, 2003 c 143 and 2004 c 66. WSR 04-12-047, § 296-96-00922, filed 5/28/04, effective 6/30/04.]

PART B-1 - PERMIT REGULATIONS AND FEES, PENALTIES AND

INSPECTION TYPES FOR ALL CONVEYANCES

WAC 296-96-01000 Permits for new construction and alterations. (1) Prior to construction, alteration, or

relocation of any conveyance, the licensed elevator contractor shall:

(a) Submit an installation application to the department.
See WAC 296-96-01010 through 296-96-01025.

(b) Submit plans to the department for approval. See WAC 296-96-01030.

EXCEPTION: Most alterations will not require plans.

(c) Post an approved installation or alteration permit along with any approved plans issued by the department on the job site.

(i) The annual operating certificate is considered suspended once alteration work begins.

(ii) The certificate shall not be reinstated until the alteration work is approved by an inspector employed by the department.

(2) Prior to placing a conveyance in service, the licensed elevator contractor shall obtain and pass an inspection or receive written permission from the department.

Commented [AC55]: Department change.
Housekeeping. Added a comma for grammar.

(3) Failure to comply with subsections (1) and (2) of this section is a violation of this chapter and may result in civil penalties (WAC 296-96-01070 (1)(a) through (d)).

(4) The owner shall obtain and renew an annual operating certificate for each conveyance that they own, except for residential conveyances. See WAC 296-96-01065.

(5) After initial purchase and inspection, private residence conveyance(s) do not require an annual operating certificate. However, annual inspections may be conducted upon request. See WAC 296-96-01045 for the permit process.

(6) For purposes of this rule, permits are not required for "repairs" (see ASME A17.1/CSA B44, Section 8.6.2). Permits are not required when replacing devices that are identical to the original device or have the same "form, fit, and function" (see WAC 296-96-00700)(see also ASME A17.1/CSA B44, Section 8.6.3). [Statutory Authority: Chapter 70.87 RCW. WSR 18-18-070, § 296-96-01000, filed 8/31/18, effective 10/1/18; WSR 13-24-066, § 296-96-01000, filed 11/27/13, effective 1/1/14; WSR 07-24-041, § 296-96-01000, filed 11/30/07, effective 1/1/08. Statutory Authority: RCW 70.87.020, 70.87.030, 70.87.034, 70.87.120, 70.87.185, 70.87.190, 2002 c 98, 2003 c 143 and 2004 c 66. WSR 04-12-047, § 296-96-01000, filed 5/28/04, effective 6/30/04. Statutory Authority: RCW 70.87.020, 70.87.030, 70.87.034, 70.87.120, 70.87.185 and chapter 70.87 RCW. WSR 01-02-026, § 296-96-01000, filed 12/22/00, effective 1/22/01.]

WAC 296-96-01005 Obtaining permits. (1) See WAC 296-96-01000 for the permit process.

(2) Construction and alteration permits are valid for one year from the date of issue. However, permits may be renewed if:

(a) Application for a renewal permit is submitted before the current permit expires;

(b) The department approves the request for a renewal permit; and

(c) A renewal fee of ~~\$60.60~~63.60 is paid to the department for each permit renewed;

Commented [CAR(56): Department change. Increases fees by the fiscal growth factor of 5.08 percent to support operating expenses for inspections and other public safety activities for the elevator program. This is the Office of Financial Management's (OFM) maximum allowable fiscal growth rate for fiscal year 2020.

(3) If the permit has expired the applicant shall reapply for a new permit.

(4) See WAC 296-96-01006 for work requiring a permit.

[Statutory Authority: Chapters 18.27, 70.87, 43.22, and 43.22A RCW. WSR 18-24-102, § 296-96-01005, filed 12/4/18, effective 1/4/19. Statutory Authority: Chapter 70.87 RCW. WSR 18-18-070, § 296-96-01005, filed 8/31/18, effective 10/1/18. Statutory Authority: Chapter 70.87 RCW and 2013 2nd sp.s. c 4. WSR 14-06-041, § 296-96-01005, filed 2/26/14, effective 4/1/14. Statutory Authority: Chapter 70.87 RCW. WSR 07-24-041, § 296-96-01005, filed 11/30/07, effective 1/1/08. Statutory Authority: Chapters 18.27, 18.106, 43.22, and 70.87 RCW. WSR 07-11-128, § 296-96-01005, filed 5/22/07, effective 6/30/07. Statutory Authority: RCW 70.87.020, 70.87.030, 70.87.034, 70.87.120, 70.87.185, 70.87.190, 2002 c 98, 2003 c 143 and 2004 c 66. WSR 04-12-047, § 296-96-01005, filed 5/28/04, effective 6/30/04. Statutory

Authority: RCW 43.22.350, 43.22.434, 43.22.480, 43.22.500, 70.87.030, 18.106.070, 18.106.125, 2001 c 7, and chapters 18.106, 43.22, and 70.87 RCW. WSR 03-12-045, § 296-96-01005, filed 5/30/03, effective 6/30/03. Statutory Authority: RCW 70.87.020, 70.87.030, 70.87.034, 70.87.120, 70.87.185 and chapter 70.87 RCW. WSR 01-02-026, § 296-96-01005, filed 12/22/00, effective 1/22/01.]

WAC 296-96-01010 Installation and alteration permit fees.

Permit fees are based on the total cost of the conveyance or alteration and the labor to install or alter the conveyance. The following permit fees apply to the construction, alteration, or relocation of all conveyances except personnel and material hoists (see WAC 296-96-01025):

TOTAL COST OF INSTALLATION OR ALTERATION	FEE
\$0 to and including \$1,000	\$66.80 70.10
\$1,001 to and including \$5,000	\$100.30 105.40
\$5,001 to and including \$7,000	\$167.60 176.10
\$7,001 to and including \$10,000	\$201.30 211.50
\$10,001 to and including \$15,000	\$268.60 282.20
OVER \$15,000 for installation only*	\$376.00 395.10
	plus
OVER \$15,000 for alteration only*	\$268.60 282.20
*Each additional \$1,000 or fraction thereof . . .	\$9.20 9.60

Commented [CAR(57)]: Department change. Increases fees by the fiscal growth factor of 5.08 percent to support operating expenses for inspections and other public safety activities for the elevator program. This is the Office of Financial Management's (OFM) maximum allowable fiscal growth rate for fiscal year 2020.

[Statutory Authority: Chapters 18.27, 70.87, 43.22, and 43.22A RCW. WSR 18-24-102, § 296-96-01010, filed 12/4/18, effective

1/4/19. Statutory Authority: Chapter 70.87 RCW. WSR 18-18-070, § 296-96-01010, filed 8/31/18, effective 10/1/18. Statutory Authority: Chapter 70.87 RCW and 2013 2nd sp.s. c 4. WSR 14-06-041, § 296-96-01010, filed 2/26/14, effective 4/1/14. Statutory Authority: Chapter 70.87 RCW and 2011 1st sp.s. c 50. WSR 12-06-065, § 296-96-01010, filed 3/6/12, effective 4/30/12. Statutory Authority: Chapter 70.87 RCW. WSR 07-24-041, § 296-96-01010, filed 11/30/07, effective 1/1/08. Statutory Authority: Chapters 18.27, 18.106, 43.22, and 70.87 RCW. WSR 07-11-128, § 296-96-01010, filed 5/22/07, effective 6/30/07. Statutory Authority: Chapters 18.106, 43.22, and 70.87 RCW. WSR 06-10-066, § 296-96-01010, filed 5/2/06, effective 6/30/06. Statutory Authority: Chapters 18.27, 43.22, and 70.87 RCW. WSR 05-12-032, § 296-96-01010, filed 5/24/05, effective 6/30/05. Statutory Authority: RCW 70.87.020, 70.87.030, 70.87.034, 70.87.120, 70.87.185, 70.87.190, 2002 c 98, 2003 c 143 and 2004 c 66. WSR 04-12-047, § 296-96-01010, filed 5/28/04, effective 6/30/04. Statutory Authority: RCW 43.22.350, 43.22.434, 43.22.480, 43.22.500, 18.27.040, 18.27.070, 18.27.075, 70.87.030, 19.28.041, 19.28.051, 19.28.101, 19.28.121, 19.28.161, 19.28.201, 19.28.211, 19.28.341, 2001 c 7, 2002 c 249, and chapters 19.28, 43.22, 18.27, and 70.87 RCW. WSR 02-12-022, § 296-96-01010, filed 5/28/02, effective 6/28/02. Statutory Authority: RCW 43.22.350, 43.22.434, 43.22.480, 43.22.500, 18.27.070,

18.27.075, 70.87.030, 19.28.041, 19.28.051, 19.28.101, 19.28.121, 19.28.161, 19.28.201, 19.28.211, 19.28.341, 2001 c 159, and chapters 43.22, 19.28, 18.27, and 70.87 RCW. WSR 01-12-035, § 296-96-01010, filed 5/29/01, effective 6/29/01. Statutory Authority: RCW 70.87.020, 70.87.030, 70.87.034, 70.87.120, 70.87.185 and chapter 70.87 RCW. WSR 01-02-026, § 296-96-01010, filed 12/22/00, effective 1/22/01.]

WAC 296-96-01025 Permit fees for personnel and material hoists. The fee for each personnel hoist or material hoist installation is ~~\$269.60~~282.20.

See WAC 296-96-01035(2) for requirements for jumps.

Note: An operating certificate is also required for these types of conveyances.

[Statutory Authority: Chapters 18.27, 70.87, 43.22, and 43.22A RCW. WSR 18-24-102, § 296-96-01025, filed 12/4/18, effective 1/4/19. Statutory Authority: Chapter 70.87 RCW. WSR 18-18-070, § 296-96-01025, filed 8/31/18, effective 10/1/18. Statutory Authority: Chapter 70.87 RCW and 2013 2nd sp.s. c 4. WSR 14-06-041, § 296-96-01025, filed 2/26/14, effective 4/1/14. Statutory Authority: Chapter 70.87 RCW and 2011 1st sp.s. c 50. WSR 12-06-065, § 296-96-01025, filed 3/6/12, effective 4/30/12. Statutory Authority: Chapter 70.87 RCW. WSR 07-24-041, § 296-96-01025, filed 11/30/07, effective 1/1/08. Statutory Authority: RCW 43.22.350, 43.22.434, 43.22.480, 43.22.500, 18.27.040,

Commented [CAR(58): Department change. Increases fees by the fiscal growth factor of 5.08 percent to support operating expenses for inspections and other public safety activities for the elevator program. This is the Office of Financial Management's (OFM) maximum allowable fiscal growth rate for fiscal year 2020.

18.27.070, 18.27.075, 70.87.030, 19.28.041, 19.28.051, 19.28.101, 19.28.121, 19.28.161, 19.28.201, 19.28.211, 19.28.341, 2001 c 7, 2002 c 249, and chapters 19.28, 43.22, 18.27, and 70.87 RCW. WSR 02-12-022, § 296-96-01025, filed 5/28/02, effective 6/28/02. Statutory Authority: RCW 70.87.020, 70.87.030, 70.87.034, 70.87.120, 70.87.185 and chapter 70.87 RCW. WSR 01-02-026, § 296-96-01025, filed 12/22/00, effective 1/22/01.]

WAC 296-96-01027 Permit fee refunds. The initial installation permit fees are refundable minus a processing fee if the installation work has not been performed. No refunds will be issued for expired permits. All requests for refunds shall be submitted in writing to the elevator section and shall identify the specific permits and the reasons for which the refunds are requested.

The processing fee for each refund is ~~\$40.00~~42.00.

[Statutory Authority: Chapters 18.27, 70.87, 43.22, and 43.22A RCW. WSR 18-24-102, § 296-96-01027, filed 12/4/18, effective 1/4/19. Statutory Authority: Chapter 70.87 RCW. WSR 18-18-070, § 296-96-01027, filed 8/31/18, effective 10/1/18. Statutory Authority: Chapter 70.87 RCW and 2013 2nd sp.s. c 4. WSR 14-06-041, § 296-96-01027, filed 2/26/14, effective 4/1/14. Statutory Authority: Chapter 70.87 RCW and 2011 1st sp.s. c 50. WSR 12-06-065, § 296-96-01027, filed 3/6/12, effective 4/30/12. Statutory

Commented [CAR(59): Department change. Increases fees by the fiscal growth factor of 5.08 percent to support operating expenses for inspections and other public safety activities for the elevator program. This is the Office of Financial Management's (OFM) maximum allowable fiscal growth rate for fiscal year 2020.

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Authority: Chapter 70.87 RCW. WSR 07-24-041, § 296-96-01027, filed 11/30/07, effective 1/1/08. Statutory Authority: Chapters 18.27, 18.106, 43.22, and 70.87 RCW. WSR 07-11-128, § 296-96-01027, filed 5/22/07, effective 6/30/07. Statutory Authority: Chapters 18.106, 43.22, and 70.87 RCW. WSR 06-10-066, § 296-96-01027, filed 5/2/06, effective 6/30/06. Statutory Authority: Chapters 18.27, 43.22, and 70.87 RCW. WSR 05-12-032, § 296-96-01027, filed 5/24/05, effective 6/30/05. Statutory Authority: RCW 70.87.020, 70.87.030, 70.87.034, 70.87.120, 70.87.185, 70.87.190, 2002 c 98, 2003 c 143 and 2004 c 66. WSR 04-12-047, § 296-96-01027, filed 5/28/04, effective 6/30/04. Statutory Authority: RCW 43.22.350, 43.22.434, 43.22.480, 43.22.500, 18.27.040, 18.27.070, 18.27.075, 70.87.030, 19.28.041, 19.28.051, 19.28.101, 19.28.121, 19.28.161, 19.28.201, 19.28.211, 19.28.341, 2001 c 7, 2002 c 249, and chapters 19.28, 43.22, 18.27, and 70.87 RCW. WSR 02-12-022, § 296-96-01027, filed 5/28/02, effective 6/28/02. Statutory Authority: RCW 43.22.350, 43.22.434, 43.22.480, 43.22.500, 18.27.070, 18.27.075, 70.87.030, 19.28.041, 19.28.051, 19.28.101, 19.28.121, 19.28.161, 19.28.201, 19.28.211, 19.28.341, 2001 c 159, and chapters 43.22, 19.28, 18.27, and 70.87 RCW. WSR 01-12-035, § 296-96-01027, filed 5/29/01, effective 6/29/01. Statutory Authority: RCW 70.87.020, 70.87.030, 70.87.034, 70.87.120,

70.87.185 and chapter 70.87 RCW. WSR 01-02-026, § 296-96-01027, filed 12/22/00, effective 1/22/01.]

WAC 296-96-01030 Plan approval. Prior to the start of construction and the issuance of a permit, the applicant shall submit to the department for approval a permit application and plans for new installations or major alterations. To be approved, the plans shall comply with the latest adopted applicable standards 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 the plans~~ processing the applications are \$~~33.20~~34.80 for each installation/major alteration.

Exception: Residential incline chair lifts will not require plan review. 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. The Department may request additional information as deemed necessary to determine if lifts comply with current codes and testing standards. Governor overspeed safety testing shall be verified by manufacturer's documentation (see A18.1 Requirement 9.9.3). The test results certified by, a nationally recognized testing laboratory (NRTL). Certification shall be provided at time of application.

[Statutory Authority: Chapters 18.27, 70.87, 43.22, and 43.22A RCW. WSR 18-24-102, § 296-96-01030, filed 12/4/18, effective 1/4/19. Statutory Authority: Chapter 70.87 RCW. WSR 18-18-070, §

Commented [CAR(60)]: Department proposal. Processing the application for a new installation or major alteration takes a great deal of time. Language was changed to reflect that the fee is associated with processing the application for new installations and major alterations.

TAC: 11 approve, 2 oppose, 2 abstained.
ESAC supports, no opposed. (friendly amendment passed to read: The nonrefundable fees for processing the applications are listed on the standard schedule on the L&I website. ESAC supports, no oppose).

Commented [CAR(61R60)]: Department change. Amended the approved language by the TAC and ESAC to add the word "permit" for greater clarification.

Commented [AC62]: Department change. Housekeeping change for grammar.

Commented [AC63]: Department change. Housekeeping change for grammar.

Commented [CAR(64)]: See rationale above.

Commented [CAR(65)]: Department change. Increases fees by the fiscal growth factor of 5.08 percent to support operating expenses for inspections and other public safety activities for the elevator program. This is the Office of Financial Management's (OFM) maximum allowable fiscal growth rate for fiscal year 2020.

Commented [BGR(66)]: Department Change. This addition to the Exception doesn't change the exception substantially enough to merit rules revisions or exclusion. The Department has regulatory obligations to the homeowner that their equipment meets applicable life safety codes. This will be a consideration in processing the application.

296-96-01030, filed 8/31/18, effective 10/1/18. Statutory Authority: Chapter 70.87 RCW and 2013 2nd sp.s. c 4. WSR 14-06-041, § 296-96-01030, filed 2/26/14, effective 4/1/14. Statutory Authority: Chapter 70.87 RCW and 2011 1st sp.s. c 50. WSR 12-06-065, § 296-96-01030, filed 3/6/12, effective 4/30/12. Statutory Authority: Chapter 70.87 RCW. WSR 07-24-041, § 296-96-01030, filed 11/30/07, effective 1/1/08. Statutory Authority: Chapters 18.27, 18.106, 43.22, and 70.87 RCW. WSR 07-11-128, § 296-96-01030, filed 5/22/07, effective 6/30/07. Statutory Authority: Chapters 18.106, 43.22, and 70.87 RCW. WSR 06-10-066, § 296-96-01030, filed 5/2/06, effective 6/30/06. Statutory Authority: Chapters 18.27, 43.22, and 70.87 RCW. WSR 05-12-032, § 296-96-01030, filed 5/24/05, effective 6/30/05. Statutory Authority: RCW 43.22.350, 43.22.434, 43.22.480, 43.22.500, 70.87.030, 18.106.070, 18.106.125, 2001 c 7, and chapters 18.106, 43.22, and 70.87 RCW. WSR 03-12-045, § 296-96-01030, filed 5/30/03, effective 6/30/03. Statutory Authority: RCW 43.22.350, 43.22.434, 43.22.480, 43.22.500, 18.27.040, 18.27.070, 18.27.075, 70.87.030, 19.28.041, 19.28.051, 19.28.101, 19.28.121, 19.28.161, 19.28.201, 19.28.211, 19.28.341, 2001 c 7, 2002 c 249, and chapters 19.28, 43.22, 18.27, and 70.87 RCW. WSR 02-12-022, § 296-96-01030, filed 5/28/02, effective 6/28/02. Statutory Authority: RCW 43.22.350, 43.22.434, 43.22.480, 43.22.500, 18.27.070, 18.27.075, 70.87.030, 19.28.041,

19.28.051, 19.28.101, 19.28.121, 19.28.161, 19.28.201, 19.28.211, 19.28.341, 2001 c 159, and chapters 43.22, 19.28, 18.27, and 70.87 RCW. WSR 01-12-035, § 296-96-01030, filed 5/29/01, effective 6/29/01. Statutory Authority: RCW 70.87.020, 70.87.030, 70.87.034, 70.87.120, 70.87.185 and chapter 70.87 RCW. WSR 01-02-026, § 296-96-01030, filed 12/22/00, effective 1/22/01.]

WAC 296-96-01035 Inspection fees. The initial inspection of construction, alteration or relocation of a conveyance is included with the permit fee. Once the department has approved the initial installation of the conveyance, a temporary 30-day operating certificate will be issued. Prior to the expiration of the 30-day temporary operating certificate, the application for an annual operating certificate and the appropriate fees shall be paid to the department. Once the department has received the appropriate fees and application the owner will be issued the first annual operating certificate. The owner or owner's representative will receive an invoice from the department for renewal. The owner is required to renew the annual operating certificate yearly.

The following inspections require an additional inspection fee:

(1) **Reinspection.** If a conveyance does not pass an initial inspection and an additional inspection is required, the fee for

Commented [CAR(67)]: Department change. Housekeeping.

Commented [CAR(68)]: Department change. Housekeeping.

each reinspection of a conveyance is \$~~134.10~~140.90 per conveyance plus \$~~65.10~~68.40 per hour for each hour in addition to the first hour.

The department may waive reinspection fees.

(2) Inspecting increases in the height (jumping) of personnel and material hoists.

The fee for inspecting an increase in the height (jumping) of each personnel hoist or material hoist is \$~~134.10~~140.90 plus \$~~66.80~~70.10 per hour for each hour in addition to 2 hours. This fee is for inspections occurring during regular working hours.

The permit holder may be allowed to operate a hoist prior to the jump inspection if:

- (a) The electrical limits will not allow the lift to operate above the previously inspected landing; and
- (b) The state elevator inspector is contacted, agrees and can schedule an inspection within 3 days.

(3) Variance inspections.

(a) The fee for an on-site variance inspection is \$~~201.30~~211.50 per conveyance plus \$~~66.80~~70.10 per hour for each hour in addition to 2 hours. This fee is for inspections occurring during regular working hours.

(b) The fee for a variance that does not require an on-site inspection is \$~~66.80~~70.10 per conveyance. The individual requesting the variance shall provide the department with

Commented [CAR(69)]: Department change. Increases fees by the fiscal growth factor of 5.08 percent to support operating expenses for inspections and other public safety activities for the elevator program. This is the Office of Financial Management's (OFM) maximum allowable fiscal growth rate for fiscal year 2020.

Commented [CAR(70)]: Department change. Increases fees by the fiscal growth factor of 5.08 percent to support operating expenses for inspections and other public safety activities for the elevator program. This is the Office of Financial Management's (OFM) maximum allowable fiscal growth rate for fiscal year 2020.

Commented [CAR(71)]: Department change. Increases fees by the fiscal growth factor of 5.08 percent to support operating expenses for inspections and other public safety activities for the elevator program. This is the Office of Financial Management's (OFM) maximum allowable fiscal growth rate for fiscal year 2020.

pictures, documentation, or other information necessary for the department to review the variance. The department may conduct an on-site variance inspection to verify the information provided or if it determines that an inspection is necessary. If an on-site variance inspection is performed, the fees in (a) of this subsection will apply.

(4) **"Red tag" status fee.** The annual fee for a conveyance in "Red tag" status is ~~\$33.20~~34.80.

Note: The department shall be provided with written approval from the building official, indicating that the conveyance is not required for building occupancy, when applying to have the conveyance placed in voluntary red tag status.

(5) **Decommission inspection.** The fee for performing a decommission inspection is ~~\$66.80~~70.10. Once the decommission inspection has been performed and approved, the conveyance will no longer require annual inspections until such time that the conveyance is brought back into service. Prior to operating the conveyance, a new inspection and annual operating permit shall be obtained.

(6) **Voluntary inspections by request.** The owner or potential purchaser of a building within the department's jurisdiction may request a voluntary inspection of a conveyance. The fee for this inspection will be ~~\$134.10~~140.90 per conveyance and ~~\$66.80~~70.10 per hour for each hour in addition to 2 hours plus the standard per diem and mileage allowance granted to department inspectors. The owner/potential purchaser requesting

Commented [CAR(72)]: Department change. Increases fees by the fiscal growth factor of 5.08 percent to support operating expenses for inspections and other public safety activities for the elevator program. This is the Office of Financial Management's (OFM) maximum allowable fiscal growth rate for fiscal year 2020.

Commented [CAR(73)]: Department change. Increases fees by the fiscal growth factor of 5.08 percent to support operating expenses for inspections and other public safety activities for the elevator program. This is the Office of Financial Management's (OFM) maximum allowable fiscal growth rate for fiscal year 2020.

Commented [CAR(74)]: Department change. Increases fees by the fiscal growth factor of 5.08 percent to support operating expenses for inspections and other public safety activities for the elevator program. This is the Office of Financial Management's (OFM) maximum allowable fiscal growth rate for fiscal year 2020.

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the voluntary inspection will not be subject to any penalties based on the inspector's findings.

[Statutory Authority: Chapters 18.27, 70.87, 43.22, and 43.22A RCW. WSR 18-24-102, § 296-96-01035, filed 12/4/18, effective 1/4/19. Statutory Authority: Chapter 70.87 RCW. WSR 18-18-070, § 296-96-01035, filed 8/31/18, effective 10/1/18. Statutory Authority: Chapter 70.87 RCW and 2013 2nd sp.s. c 4. WSR 14-06-041, § 296-96-01035, filed 2/26/14, effective 4/1/14. Statutory Authority: Chapter 70.87 RCW and 2011 1st sp.s. c 50. WSR 12-06-065, § 296-96-01035, filed 3/6/12, effective 4/30/12. Statutory Authority: Chapter 70.87 RCW. WSR 07-24-041, § 296-96-01035, filed 11/30/07, effective 1/1/08. Statutory Authority: Chapters 18.27, 18.106, 43.22, and 70.87 RCW. WSR 07-11-128, § 296-96-01035, filed 5/22/07, effective 6/30/07. Statutory Authority: Chapters 18.106, 43.22, and 70.87 RCW. WSR 06-10-066, § 296-96-01035, filed 5/2/06, effective 6/30/06. Statutory Authority: Chapters 18.27, 43.22, and 70.87 RCW. WSR 05-12-032, § 296-96-01035, filed 5/24/05, effective 6/30/05. Statutory Authority: RCW 70.87.020, 70.87.030, 70.87.034, 70.87.120, 70.87.185, 70.87.190, 2002 c 98, 2003 c 143 and 2004 c 66. WSR 04-12-047, § 296-96-01035, filed 5/28/04, effective 6/30/04. Statutory Authority: RCW 43.22.350, 43.22.434, 43.22.480, 43.22.500, 18.27.040, 18.27.070, 18.27.075, 70.87.030, 19.28.041, 19.28.051, 19.28.101, 19.28.121, 19.28.161, 19.28.201,

19.28.211, 19.28.341, 2001 c 7, 2002 c 249, and chapters 19.28, 43.22, 18.27, and 70.87 RCW. WSR 02-12-022, § 296-96-01035, filed 5/28/02, effective 6/28/02. Statutory Authority: RCW 43.22.350, 43.22.434, 43.22.480, 43.22.500, 18.27.070, 18.27.075, 70.87.030, 19.28.041, 19.28.051, 19.28.101, 19.28.121, 19.28.161, 19.28.201, 19.28.211, 19.28.341, 2001 c 159, and chapters 43.22, 19.28, 18.27, and 70.87 RCW. WSR 01-12-035, § 296-96-01035, filed 5/29/01, effective 6/29/01. Statutory Authority: RCW 70.87.020, 70.87.030, 70.87.034, 70.87.120, 70.87.185 and chapter 70.87 RCW. WSR 01-02-026, § 296-96-01035, filed 12/22/00, effective 1/22/01.]

WAC 296-96-01040 Construction-use inspection fee. (1) The fee for the inspecting and testing of elevators used for construction is \$~~107.20~~^{112.60}, in addition to any other fees required in this chapter. This fee purchases a 30-day temporary use permit that may be renewed at the department's discretion.

(2) When this temporary use permit is purchased, a notice declaring that the equipment has not received final approval from the department shall be conspicuously posted in the elevator.

[Statutory Authority: Chapters 18.27, 70.87, 43.22, and 43.22A RCW. WSR 18-24-102, § 296-96-01040, filed 12/4/18, effective 1/4/19. Statutory Authority: Chapter 70.87 RCW. WSR 18-18-070, § 296-96-01040, filed 8/31/18, effective 10/1/18. Statutory

Commented [CAR(75): Department change. Increases fees by the fiscal growth factor of 5.08 percent to support operating expenses for inspections and other public safety activities for the elevator program. This is the Office of Financial Management's (OFM) maximum allowable fiscal growth rate for fiscal year 2020.

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Authority: Chapter 70.87 RCW and 2013 2nd sp.s. c 4. WSR 14-06-041, § 296-96-01040, filed 2/26/14, effective 4/1/14. Statutory Authority: Chapter 70.87 RCW and 2011 1st sp.s. c 50. WSR 12-06-065, § 296-96-01040, filed 3/6/12, effective 4/30/12. Statutory Authority: Chapters 18.27, 18.106, 43.22, and 70.87 RCW. WSR 07-11-128, § 296-96-01040, filed 5/22/07, effective 6/30/07. Statutory Authority: Chapters 18.106, 43.22, and 70.87 RCW. WSR 06-10-066, § 296-96-01040, filed 5/2/06, effective 6/30/06. Statutory Authority: Chapters 18.27, 43.22, and 70.87 RCW. WSR 05-12-032, § 296-96-01040, filed 5/24/05, effective 6/30/05. Statutory Authority: RCW 43.22.350, 43.22.434, 43.22.480, 43.22.500, 18.27.040, 18.27.070, 18.27.075, 70.87.030, 19.28.041, 19.28.051, 19.28.101, 19.28.121, 19.28.161, 19.28.201, 19.28.211, 19.28.341, 2001 c 7, 2002 c 249, and chapters 19.28, 43.22, 18.27, and 70.87 RCW. WSR 02-12-022, § 296-96-01040, filed 5/28/02, effective 6/28/02. Statutory Authority: RCW 43.22.350, 43.22.434, 43.22.480, 43.22.500, 18.27.070, 18.27.075, 70.87.030, 19.28.041, 19.28.051, 19.28.101, 19.28.121, 19.28.161, 19.28.201, 19.28.211, 19.28.341, 2001 c 159, and chapters 43.22, 19.28, 18.27, and 70.87 RCW. WSR 01-12-035, § 296-96-01040, filed 5/29/01, effective 6/29/01. Statutory Authority: RCW 70.87.020, 70.87.030, 70.87.034, 70.87.120, 70.87.185 and chapter 70.87

RCW. WSR 01-02-026, § 296-96-01040, filed 12/22/00, effective 1/22/01.]

WAC 296-96-01045 Residential elevator inspection and fees.

(1) Chapter 70.87 RCW requires the department to inspect all new, altered or relocated conveyances operated exclusively for single-family use in private residences. Prior to installation, a licensed elevator contractor shall complete a permit application as described in WAC 296-96-01005 and pay the appropriate fee listed in WAC 296-96-01010.

(2) Chapter 70.87 RCW allows the department to inspect conveyances operated exclusively for single-family use in private residences when the department is investigating an accident or an alleged or apparent violation of the statute or these rules.

(3) No annual inspection and operating certificate is required for a private residence conveyance operated exclusively for single-family use unless the owner requests it. When an owner requests an inspection and an annual operating certificate, the following fee shall be paid prior to an inspection:

TYPE OF CONVEYANCE	FEE
Each inclined stairway chair lift in private residence	\$31.20 <u>32.70</u>
Each inclined wheel chair lift in a private residence	\$31.20 <u>32.70</u>
Each vertical wheel chair lift in a private residence	\$39.30 <u>41.30</u>

Commented [CAR(76): Department change. Increases fees by the fiscal growth factor of 5.08 percent to support operating expenses for inspections and other public safety activities for the elevator program. This is the Office of Financial Management's (OFM) maximum allowable fiscal growth rate for fiscal year 2020.

TYPE OF CONVEYANCE	FEE
Each dumbwaiter in a private residence . . .	\$31.20 <u>32.70</u>
Each inclined elevator at a private residence .	\$11.50 <u>17.10</u>
Each private residence elevator	\$71.80 <u>75.40</u>
Duplication of a lost, damaged or stolen operating permit	\$13.10 <u>13.70</u>

Commented [CAR(76): Department change.
Increases fees by the fiscal growth factor of 5.08 percent to support operating expenses for inspections and other public safety activities for the elevator program. This is the Office of Financial Management's (OFM) maximum allowable fiscal growth rate for fiscal year 2020.

[Statutory Authority: Chapters 18.27, 70.87, 43.22, and 43.22A

RCW. WSR 18-24-102, § 296-96-01045, filed 12/4/18, effective 1/4/19. Statutory Authority: Chapter 70.87 RCW. WSR 18-18-070, § 296-96-01045, filed 8/31/18, effective 10/1/18. Statutory Authority: Chapter 70.87 RCW and 2013 2nd sp.s. c 4. WSR 14-06-041, § 296-96-01045, filed 2/26/14, effective 4/1/14. Statutory Authority: Chapter 70.87 RCW and 2011 1st sp.s. c 50. WSR 12-06-065, § 296-96-01045, filed 3/6/12, effective 4/30/12. Statutory Authority: Chapter 70.87 RCW. WSR 07-24-041, § 296-96-01045, filed 11/30/07, effective 1/1/08. Statutory Authority: Chapters 18.27, 18.106, 43.22, and 70.87 RCW. WSR 07-11-128, § 296-96-01045, filed 5/22/07, effective 6/30/07. Statutory Authority: Chapters 18.106, 43.22, and 70.87 RCW. WSR 06-10-066, § 296-96-01045, filed 5/2/06, effective 6/30/06. Statutory Authority: Chapters 18.27, 43.22, and 70.87 RCW. WSR 05-12-032, § 296-96-01045, filed 5/24/05, effective 6/30/05. Statutory Authority: RCW 43.22.350, 43.22.434, 43.22.480, 43.22.500, 18.27.040, 18.27.070, 18.27.075, 70.87.030, 19.28.041, 19.28.051, 19.28.101, 19.28.121, 19.28.161, 19.28.201, 19.28.211, 19.28.341, 2001 c 7, 2002 c 249, and chapters 19.28, 43.22, 18.27, and 70.87 RCW. WSR 02-12-022, § 296-96-01045, filed

5/28/02, effective 6/28/02. Statutory Authority: RCW 43.22.350, 43.22.434, 43.22.480, 43.22.500, 18.27.070, 18.27.075, 70.87.030, 19.28.041, 19.28.051, 19.28.101, 19.28.121, 19.28.161, 19.28.201, 19.28.211, 19.28.341, 2001 c 159, and chapters 43.22, 19.28, 18.27, and 70.87 RCW. WSR 01-12-035, § 296-96-01045, filed 5/29/01, effective 6/29/01. Statutory Authority: RCW 70.87.020, 70.87.030, 70.87.034, 70.87.120, 70.87.185 and chapter 70.87 RCW. WSR 01-02-026, § 296-96-01045, filed 12/22/00, effective 1/22/01.]

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~~84.30 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. [Statutory Authority: Chapters 18.27, 70.87, 43.22, and 43.22A RCW. WSR 18-24-102, § 296-96-01055, filed 12/4/18, effective 1/4/19. Statutory Authority: Chapter 70.87 RCW. WSR 18-18-070, § 296-96-01055, filed 8/31/18, effective 10/1/18. Statutory Authority: Chapter 70.87 RCW and 2013 2nd sp.s. c 4. WSR 14-06-

Commented [CAR(77)]: Department change. Increases fees by the fiscal growth factor of 5.08 percent to support operating expenses for inspections and other public safety activities for the elevator program. This is the Office of Financial Management's (OFM) maximum allowable fiscal growth rate for fiscal year 2020.

Commented [CAR(78)]: Department proposal. Changes the language to allow the program to charge for a portion of an hour. The current language does not allow the program to charge for the true amount of time this service takes. The proposed language is more in keeping with the language used for other programs.

TAC: 13 approve, 1 oppose, 2 abstained.
ESAC supports, no opposed. (friendly amendment to read: "A person, firm, corporation, or governmental agency may request elevator field technical services from the department by paying a fee as listed on the standard schedule on the L&I website per hour or any portion thereof") (passed with friendly amendment).

Commented [CAR(79)]: Department change. Housekeeping.

041, § 296-96-01055, filed 2/26/14, effective 4/1/14. Statutory Authority: Chapter 70.87 RCW and 2011 1st sp.s. c 50. WSR 12-06-065, § 296-96-01055, filed 3/6/12, effective 4/30/12. Statutory Authority: Chapters 18.27, 18.106, 43.22, and 70.87 RCW. WSR 07-11-128, § 296-96-01055, filed 5/22/07, effective 6/30/07. Statutory Authority: Chapters 18.106, 43.22, and 70.87 RCW. WSR 06-10-066, § 296-96-01055, filed 5/2/06, effective 6/30/06. Statutory Authority: Chapters 18.27, 43.22, and 70.87 RCW. WSR 05-12-032, § 296-96-01055, filed 5/24/05, effective 6/30/05. Statutory Authority: RCW 43.22.350, 43.22.434, 43.22.480, 43.22.500, 70.87.030, 18.106.070, 18.106.125, 2001 c 7, and chapters 18.106, 43.22, and 70.87 RCW. WSR 03-12-045, § 296-96-01055, filed 5/30/03, effective 6/30/03. Statutory Authority: RCW 43.22.350, 43.22.434, 43.22.480, 43.22.500, 18.27.040, 18.27.070, 18.27.075, 70.87.030, 19.28.041, 19.28.051, 19.28.101, 19.28.121, 19.28.161, 19.28.201, 19.28.211, 19.28.341, 2001 c 7, 2002 c 249, and chapters 19.28, 43.22, 18.27, and 70.87 RCW. WSR 02-12-022, § 296-96-01055, filed 5/28/02, effective 6/28/02. Statutory Authority: RCW 43.22.350, 43.22.434, 43.22.480, 43.22.500, 18.27.070, 18.27.075, 70.87.030, 19.28.041, 19.28.051, 19.28.101, 19.28.121, 19.28.161, 19.28.201, 19.28.211, 19.28.341, 2001 c 159, and chapters 43.22, 19.28, 18.27, and 70.87 RCW. WSR 01-12-035, § 296-96-01055, filed 5/29/01, effective 6/29/01. Statutory

Authority: RCW 70.87.020, 70.87.030, 70.87.034, 70.87.120, 70.87.185 and chapter 70.87 RCW. WSR 01-02-026, § 296-96-01055, filed 12/22/00, effective 1/22/01.]

WAC 296-96-01057 Accident investigations. The department

shall investigate an injury-related accident reported by the owner or owner's duly authorized agent. The department may charge at a rate of \$~~80.30~~84.30 per hour or portion thereof (including travel time) plus the standard per diem and mileage allowance granted to department inspectors.

[Statutory Authority: Chapters 18.27, 70.87, 43.22, and 43.22A RCW. WSR 18-24-102, § 296-96-01057, filed 12/4/18, effective 1/4/19. Statutory Authority: Chapter 70.87 RCW. WSR 18-18-070, § 296-96-01057, filed 8/31/18, effective 10/1/18. Statutory Authority: Chapter 70.87 RCW and 2013 2nd sp.s. c 4. WSR 14-06-041, § 296-96-01057, filed 2/26/14, effective 4/1/14. Statutory Authority: Chapter 70.87 RCW and 2011 1st sp.s. c 50. WSR 12-06-065, § 296-96-01057, filed 3/6/12, effective 4/30/12. Statutory Authority: Chapter 70.87 RCW. WSR 07-24-041, § 296-96-01057, filed 11/30/07, effective 1/1/08.]

WAC 296-96-01060 Inspections after normal business hours.

An inspection outside of normal business hours and business days (i.e., Monday through Friday excluding holidays; 7:00 a.m. to 5:00 p.m.) may be requested under the following conditions:

- (1) An inspector is available; and

Commented [CAR(80)]: Department proposal.

Many of the injury related accidents are due to misuse of the conveyance. The public will be better served by allowing inspectors to investigate only those accidents that are not a result of documented misuse, thereby enabling the inspectors to perform more annual inspections. (THE DEPARTMENT HAS WITHDRAWN THIS PART OF THE PROPOSAL).

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

TAC: 14 approve, 1 oppose, 1 not voting.
ESAC supports, no opposed.

(friendly amendment passed to read: "determined by a supervisor in the department to be conclusively" in between "been" and "documented" and strike the language of "rate of \$80.30 per hour" and add the same language agreed to in WAC 296-96-01055 "any portion thereof").

Commented [CAR(81)]: Department change.

Increases fees by the fiscal growth factor of 5.08 percent to support operating expenses for inspections and other public safety activities for the elevator program. This is the Office of Financial Management's (OFM) maximum allowable fiscal growth rate for fiscal year 2020.

(2) The inspection is authorized by the department.

(3) The minimum fee for an after-hours inspection is \$~~100.30~~105.40 and \$~~100.30~~105.40 per hour for each hour in addition to the first hour plus the standard per diem and mileage allowance granted to department inspectors.

(4) This fee is in addition to any other fees required for the project.

[Statutory Authority: Chapters 18.27, 70.87, 43.22, and 43.22A RCW. WSR 18-24-102, § 296-96-01060, filed 12/4/18, effective 1/4/19. Statutory Authority: Chapter 70.87 RCW. WSR 18-18-070, § 296-96-01060, filed 8/31/18, effective 10/1/18. Statutory Authority: Chapter 70.87 RCW and 2013 2nd sp.s. c 4. WSR 14-06-041, § 296-96-01060, filed 2/26/14, effective 4/1/14. Statutory Authority: Chapter 70.87 RCW and 2011 1st sp.s. c 50. WSR 12-06-065, § 296-96-01060, filed 3/6/12, effective 4/30/12. Statutory Authority: Chapters 18.27, 18.106, 43.22, and 70.87 RCW. WSR 07-11-128, § 296-96-01060, filed 5/22/07, effective 6/30/07. Statutory Authority: Chapters 18.106, 43.22, and 70.87 RCW. WSR 06-10-066, § 296-96-01060, filed 5/2/06, effective 6/30/06. Statutory Authority: Chapters 18.27, 43.22, and 70.87 RCW. WSR 05-12-032, § 296-96-01060, filed 5/24/05, effective 6/30/05. Statutory Authority: RCW 43.22.350, 43.22.434, 43.22.480, 43.22.500, 18.27.040, 18.27.070, 18.27.075, 70.87.030, 19.28.041, 19.28.051, 19.28.101, 19.28.121, 19.28.161,

Commented [CAR(82): Department change. Increases fees by the fiscal growth factor of 5.08 percent to support operating expenses for inspections and other public safety activities for the elevator program. This is the Office of Financial Management's (OFM) maximum allowable fiscal growth rate for fiscal year 2020.

19.28.201, 19.28.211, 19.28.341, 2001 c 7, 2002 c 249, and chapters 19.28, 43.22, 18.27, and 70.87 RCW. WSR 02-12-022, § 296-96-01060, filed 5/28/02, effective 6/28/02. Statutory Authority: RCW 43.22.350, 43.22.434, 43.22.480, 43.22.500, 18.27.070, 18.27.075, 70.87.030, 19.28.041, 19.28.051, 19.28.101, 19.28.121, 19.28.161, 19.28.201, 19.28.211, 19.28.341, 2001 c 159, and chapters 43.22, 19.28, 18.27, and 70.87 RCW. WSR 01-12-035, § 296-96-01060, filed 5/29/01, effective 6/29/01. Statutory Authority: RCW 70.87.020, 70.87.030, 70.87.034, 70.87.120, 70.87.185 and chapter 70.87 RCW. WSR 01-02-026, § 296-96-01060, filed 12/22/00, effective 1/22/01.]

WAC 296-96-01065 Annual operating permit fees. An annual operating certificate will be issued to the building owner upon payment of the appropriate fee. The owner of record shall be invoiced by the department. If a change of ownership has occurred, it is the new owner's responsibility to ensure the department has the corrected information. Below is the fee structure table:

TYPE OF CONVEYANCE	FEE
Each hydraulic elevator	\$134.10 140.90
Each roped-hydraulic elevator	\$167.60 176.10
plus for each hoistway opening in excess of two	\$13.10 13.70
Each cable elevator	\$167.60 176.10
plus for each hoistway opening in excess of two	\$13.10 13.70

Commented [CAR(83)]: Department change. Increases fees by the fiscal growth factor of 5.08 percent to support operating expenses for inspections and other public safety activities for the elevator program. This is the Office of Financial Management's (OFM) maximum allowable fiscal growth rate for fiscal year 2020.

TYPE OF CONVEYANCE	FEE
Each cable elevator traveling more than 25 feet without an opening—for each 25 foot traveled	\$13.10 13.70
Each limited-use/limited-application (—LULA) elevator	\$134.10 140.90
Each escalator	\$111.40 117.00
Each dumbwaiter in other than a private residence	\$71.80 75.40
Each material lift	\$134.10 140.90
Each incline elevator in other than a private residence	\$144.20 151.50
Each belt manlift	\$134.10 140.90
Each stair lift in other than a private residence	\$71.80 75.40
Each wheel chair lift in other than a private residence	\$71.80 75.40
Each personnel hoist	\$134.10 140.90
Each grain elevator personnel lift	\$111.40 117.00
Each material hoist	\$134.10 140.90
Each special purpose elevator	\$134.10 140.90
Each private residence elevator installed in other than a private residence	\$134.10 140.90
Each casket lift	\$111.40 117.00
Each sidewalk freight elevator	\$111.40 117.00
Each hand-powered manlift or freight elevator	\$75.50 79.30
Each boat launching elevator	\$111.40 117.00
Each auto parking elevator	\$111.40 117.00
Each moving walk	\$111.40 117.00
Duplication of a damaged, lost or stolen operating permit	\$13.10 13.70

Commented [CAR(83)]: Department change. Increases fees by the fiscal growth factor of 5.08 percent to support operating expenses for inspections and other public safety activities for the elevator program. This is the Office of Financial Management's (OFM) maximum allowable fiscal growth rate for fiscal year 2020.

[Statutory Authority: Chapters 18.27, 70.87, 43.22, and 43.22A RCW. WSR 18-24-102, § 296-96-01065, filed 12/4/18, effective 1/4/19. Statutory Authority: Chapter 70.87 RCW. WSR 18-18-070, § 296-96-01065, filed 8/31/18, effective 10/1/18. Statutory Authority: Chapter 70.87 RCW and 2013 2nd sp.s. c 4. WSR 14-06-041, § 296-96-01065, filed 2/26/14, effective 4/1/14. Statutory Authority: Chapter 70.87 RCW and 2011 1st sp.s. c 50. WSR 12-06-

065, § 296-96-01065, filed 3/6/12, effective 4/30/12. Statutory Authority: Chapter 70.87 RCW. WSR 07-24-041, § 296-96-01065, filed 11/30/07, effective 1/1/08. Statutory Authority: Chapters 18.27, 18.106, 43.22, and 70.87 RCW. WSR 07-11-128, § 296-96-01065, filed 5/22/07, effective 6/30/07. Statutory Authority: Chapters 18.106, 43.22, and 70.87 RCW. WSR 06-10-066, § 296-96-01065, filed 5/2/06, effective 6/30/06. Statutory Authority: Chapters 18.27, 43.22, and 70.87 RCW. WSR 05-12-032, § 296-96-01065, filed 5/24/05, effective 6/30/05. Statutory Authority: RCW 43.22.350, 43.22.434, 43.22.480, 43.22.500, 18.27.040, 18.27.070, 18.27.075, 70.87.030, 19.28.041, 19.28.051, 19.28.101, 19.28.121, 19.28.161, 19.28.201, 19.28.211, 19.28.341, 2001 c 7, 2002 c 249, and chapters 19.28, 43.22, 18.27, and 70.87 RCW. WSR 02-12-022, § 296-96-01065, filed 5/28/02, effective 6/28/02. Statutory Authority: RCW 43.22.350, 43.22.434, 43.22.480, 43.22.500, 18.27.070, 18.27.075, 70.87.030, 19.28.041, 19.28.051, 19.28.101, 19.28.121, 19.28.161, 19.28.201, 19.28.211, 19.28.341, 2001 c 159, and chapters 43.22, 19.28, 18.27, and 70.87 RCW. WSR 01-12-035, § 296-96-01065, filed 5/29/01, effective 6/29/01. Statutory Authority: RCW 70.87.020, 70.87.030, 70.87.034, 70.87.120, 70.87.185 and chapter 70.87 RCW. WSR 01-02-026, § 296-96-01065, filed 12/22/00, effective 1/22/01.]

**PART C - REGULATIONS FOR NEW AND ALTERED ELEVATORS AND
LIFTING DEVICES**

NOTE: This part provides requirements for new and altered equipment in lieu of, or in conjunction with, ASME A17.1/CSA B44.

Section 1

WAC 296-96-02410 Alterations. (1) Where there is an associated seismic or ADA requirement to the equipment or system being altered, the equipment shall also be brought into compliance with the applicable seismic and/or ADA requirements during the alteration.

(2) Machine room, control room, machinery space, and control space illumination shall be required to meet the minimum illumination levels as required by the latest adopted code.

Commented [CAR(84): Department change. Housekeeping. Corrects terminology.

(3) Where a new jack assembly or hydraulic pump unit is installed, a seismic (overspeed) valve shall be installed according to ASME A17.1/CSA B44, Section 8.4.11.

(4) When new elevator equipment is installed in a machine or control room, receptacles shall comply with current adopted edition of NFPA 70 (see Art. 620.23).

(5) When new equipment is installed in the elevator pit, illumination levels shall be required to meet the minimum illumination levels required by the current adopted edition of ASME A17.1/CSA B44. Receptacles in the pit area shall be of the GFCI type (see NFPA 70, Art. 620.24).

(6) Where the main line disconnect is being replaced or relocated, and the machine room or hoistway is sprinklered, or in the process of being sprinklered, a shunt-trip device shall be installed.

[Statutory Authority: Chapter 70.87 RCW. WSR 18-18-070, § 296-96-02410, filed 8/31/18, effective 10/1/18; WSR 13-24-066, § 296-96-02410, filed 11/27/13, effective 1/1/14; WSR 07-24-041, § 296-96-02410, filed 11/30/07, effective 1/1/08.]

Section 2

Plan Submittals and Layout Drawings

Section 3

Requirements for Hydraulic Elevators

Section 4

Machine Space in Hoistways

WAC 296-96-02452 Access to machines, overhead sheaves, shackles, and hitch supports. When the machine space is provided inside the hoistway, maintainable items on the machine, overhead sheaves, shackles, and hitch supports shall not be located more than ~~six feet six inches~~ 78 in. from the horizontal plane of the car top.

Commented [CAR(85): Department change. Formatting change.

Commented [CAR(86): Department change. Housekeeping change for punctuation.

Commented [CAR(87): Department change. Housekeeping change for punctuation.

Commented [CAR(88): Department change. Housekeeping. Changes for consistency with code formats for dimensions and other grammatical corrections.

[Statutory Authority: Chapter 70.87 RCW. WSR 18-18-070, § 296-96-02452, filed 8/31/18, effective 10/1/18; WSR 13-24-066, § 296-96-02452, filed 11/27/13, effective 1/1/14.]

Section 45

Main Line Disconnects and Shunt-Trip Breakers

WAC 296-96-02460 Location. (1) The main line disconnect(s) shall be located per NFPA 70, Article 620.51(c) and:

(a) Inside the machine room door on the strike side of the machine or control room door;

(b) Not more than ~~twenty-four~~ 24 inches in. from the door to the operating handle; and

(c) Be at a height not less than ~~thirty-six~~ 36 inches in. nor more than ~~sixty-six~~ 66 inches in. above the finish floor as measured centerline to the disconnect handle.

(2) For multicar machine rooms the switches shall be grouped together as close as possible to that location.

(3) For machine rooms with double swing doors, the doors shall swing out and the switch(es) shall be located on the wall adjacent to the hinge side of the active door panel.

(4) Shunt-trip breakers, where provided, shall be located in the elevator machine room or control room.

Commented [CAR(89): Department change. Housekeeping.

Commented [CAR(90): Department change. Housekeeping. Changes for consistency with code formats for dimensions.

Commented [CAR(91): Department change. Housekeeping. Changes for consistency with code formats for dimensions.

(5) Where shunt-trip breakers are also being used as a main line disconnect, they shall comply with subsections (1) through (3) of this section.

EXCEPTION: Special purpose, residential elevators, and residential inclined elevators are exempt from this section. For LULAs, the main disconnect and car light disconnect shall be located adjacent to the controller when not located in a dedicated machine room. When a machine room is provided it shall comply with this section.

[Statutory Authority: Chapter 70.87 RCW. WSR 18-18-070, § 296-96-02460, filed 8/31/18, effective 10/1/18; WSR 13-24-066, § 296-96-02460, filed 11/27/13, effective 1/1/14; WSR 07-24-041, § 296-96-02460, filed 11/30/07, effective 1/1/08.]

Section 56

Additional Machine/Control Room Requirements

WAC 296-96-02465 Machine rooms, control rooms, and control spaces. (1) The lighting control switch shall be located inside the machine room or control room within ~~twenty-four~~ 24 inches in. of the lock jamb side of the access door.

For machine rooms and control rooms with double swing doors, the doors shall swing out and the switch(es) shall be located on the wall adjacent to the hinge side of the active door panel.

(2) Elevator machine room, control room, and control space access doors shall be provided with a sign that reads "Elevator Equipment Room/Authorized Personnel Only! Storage of equipment not pertaining to the elevator is prohibited." The sign shall be located approximately 60 in. above floor level. Lettering shall

Commented [CAR(92): Department change. Housekeeping.

Commented [CAR(93): Department change. Housekeeping. Changes for consistency with code formats for dimensions.

not be less than 0.375 in. in height and shall contrast with the background. Where double doors are provided, the sign is only required to be provided on the active door panel.

EXCEPTION: Residential conveyances, LULAs and special purpose elevators are exempted from these requirements.

(3) The temperature and humidity shall comply with ASME A17.1/CSA B44. Where no manufacturer's temperature range is available, the room or space shall be kept between 13°C (55°F) and 38°C (100°F).

[Statutory Authority: Chapter 70.87 RCW. WSR 18-18-070, § 296-96-02465, filed 8/31/18, effective 10/1/18; WSR 07-24-041, § 296-96-02465, filed 11/30/07, effective 1/1/08.]

Section 7

Fire Service, Sprinklers, Sprinkler Pipes, Shunt Trip

~~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.~~

Commented [CAR(94): Department proposal. Repeals the rule. Fire Service Operation (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.

TAC: 5 approve, 3 oppose, 8 abstentions.
ESAC: 2 approve, 1 opposed.

[Statutory Authority: Chapter 70.87 RCW. WSR 18-18-070, § 296-96-02470, filed 8/31/18, effective 10/1/18; WSR 07-24-041, § 296-96-02470, filed 11/30/07, effective 1/1/08.]

~~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.~~

Commented [CAR(95): Department proposal. Repeal rule. This rule no longer has value based on the rewrite of WAC 296-96-02580.

TAC supports, no opposed.
ESAC supports, no opposed.

[Statutory Authority: Chapter 70.87 RCW. WSR 18-18-070, § 296-96-02471, filed 8/31/18, effective 10/1/18; WSR 13-24-066, § 296-96-02471, filed 11/27/13, effective 1/1/14.]

~~Car(s)~~

Commented [CAR(96): Department change. Housekeeping.

Section ~~6~~8

Commented [CAR(97): Department change. Housekeeping.

Correction Facility Elevators

Section 9

Additional Requirements

WAC 296-96-02530 Handrails. Handrails are not required.

Commented [CAR(98): Department change. Housekeeping.

Where handrails are provided in elevator cars, ~~their~~ they ~~configuration~~ shall comply with ~~ADAAG or ICC A117.1.~~ the following:

Commented [CAR(99): Department proposal. The location of handrails in elevators is 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.

TAC: 15 approve, 1 oppose, 0 abstained. (friendly amendment to read: on (b) change from 35 to 38 inches to 32 to 38 and to strike (c) and (d) and rename (e) as (c). TAC: 14 approve, 1 opposed.
ESAC: 2 approve, 1 abstain).

(a) Be securely attached to the wall;

(b) Be located at a height between 32 in. and 38 in. from the top of the handrail to the floor; and

(c) Be constructed with smooth surfaces and no sharp corners.

~~(a)~~(d) Be configured with a gripping surface as required by ANSI/ICC A117.1 for handrails.

Commented [CAR(100): Department change. Adds language to provide a standard gripping-shape to comply with ADA.

Note:Exception:

Residential conveyances are excluded from this requirement.

[Statutory Authority: Chapter 70.87 RCW. WSR 18-18-070, § 296-96-02530, filed 8/31/18, effective 10/1/18; WSR 13-24-066, § 296-96-02530, filed 11/27/13, effective 1/1/14; WSR 07-24-041, § 296-96-02530, filed 11/30/07, effective 1/1/08.]

Section 10

Commented [CAR(101): Department change. Housekeeping.

Hoistway and Pit

WAC 296-96-02552 Location of equipment in hoistway.

Commented [CAR(102): Stakeholder proposal (option #2)
The department currently allows driving machines to be located in the hoistway; however, prior to this proposal the language implied that this was not allowed. To clarify previous language and reflect current practices.

TAC: 9 approve, 5 oppose, 1 abstained.
ESAC supports, no opposed.

Elevator equipment shall be permitted to be located within the hoistway subject to the requirements in ASME A17.1/CSA B44 and the following:

(1) Where an elevator cannot be prevented from movement electrically and mechanically prior to entering the ~~hoistway or pit area~~, ~~the following restrictions shall apply:~~

~~(a) Motor controllers, motion controllers, drives,~~
hydraulic control valves, hydraulic reservoirs (tank), ~~and~~
hydraulic pump motors, and driving machines shall not be located in the ~~hoistway or~~ pit.

~~(b) Driving machines shall not be located in the pit.~~

(2) ~~The ability to activate the~~ Where a means is used to secure the elevator electrically and mechanically prior to

entering the pit, the means shall be designed such that the activation can be performed without full bodily entry into the ~~hoistway or~~ pit.

~~(3) Elevator controls and machinery other than driving machines, hydraulic cylinder, piston, governor, and their components shall be located in a room dedicated exclusively to elevator equipment.~~

~~(4) Drive sheaves, deflector sheaves, machine parts and supports are permitted to project into the hoistway.~~

[Statutory Authority: Chapter 70.87 RCW. WSR 18-18-070, § 296-96-02552, filed 8/31/18, effective 10/1/18; WSR 13-24-066, § 296-96-02552, filed 11/27/13, effective 1/1/14.]

Section 11

Outside Hoistway

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~~

Commented [CAR(103): Department change. Housekeeping.

Commented [CAR(104): Department proposal. 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.

TAC: 15, 1 abstained.
(friendly amendment passed to read: "Located in the elevator lobby at the designated landing" in (2)(a) at the very bottom add an exception or exemption in the rule to read: The cities of Seattle and Spokane shall be permitted to designate their own options for keys and lockbox arrangement" and "residential elevators are exempt from this rule". TAC: 15 approve, 1 abstained.)

ESAC – 3 approve (passed)

~~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.~~

Inspection Keys

1. All keys necessary for the operation and maintenance of the elevator(s) shall be provided and kept on site in a key retainer box.

2. The key retainer box shall be:

- a. Located in the elevator lobby at the designated level above the hall buttons or located by the machine room

- doors at a height not more than ~~six feet~~ 72 in. above the floor. ~~provided a~~ Access to the key box ~~does~~ shall not 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 barrel type key;
- f. Keys for access to the elevator machine rooms and for operating elevator equipment shall be ~~tagged~~ labeled as to their function 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/control room;
- 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; and
- 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.

Note:~~Exceptions:~~ 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.
[Statutory Authority: Chapter 70.87 RCW. WSR 18-18-070, § 296-96-02580, filed 8/31/18, effective 10/1/18; WSR 13-24-066, § 296-96-02580, filed 11/27/13, effective 1/1/14; WSR 07-24-041, § 296-96-02580, filed 11/30/07, effective 1/1/08.]

Section 12

Accessibility Equipment

~~Accessibility Equipment~~

Commented [CAR(105): Department change. Housekeeping.

Commented [CAR(106): Department change. Housekeeping.

WAC 296-96-02605 Private residence inclined stairway

chairlifts. (1) Battery operated private residence inclined stairway chairlifts are not required to be permanently wired or installed on an individual branch circuit as required by ~~NEC~~ **NFPA 70** 620.51 (A) Exception 2. These conveyances shall be permitted to use a cord and plug that will act as the equipment disconnecting means. The circuit, which is used for the equipment, shall have overcurrent protection that will protect the circuit and the equipment. The circuit shall have sufficient capacity to support the additional load of the stairway chairlift. Units that are operated by line voltage shall comply with NEC 620.51 (A) Exception 2.

Commented [CAR(107): Department change. Corrects the applicable code as the National Fire Protection Association (NFPA) and not the National Electrical Code (NEC).

(2) A free passage width of not less than ~~seventeen inches~~ 17 in. shall be provided. If the chair can be folded when not in use the distance can be measured from the folded chair. When in use there must be a minimum of ~~two inches~~ 2.0 in. between any body part and the nearest obstruction.

Commented [CAR(108): Department change. Housekeeping. Changes for consistency with code formats for dimensions.

Commented [CAR(109): Department change. Housekeeping. Changes for consistency with code formats for dimensions.

(3) Governor overspeed safety testing shall be verified by manufacturer's submitted documentation at time of permit (see A18.1 Requirement 9.9.3). Safeties shall be manually tripped at rated speed with no load on the chair (see A18.1 Section 10.4).

Commented [BGR(110): Department change. Manufacturer's submitted documentation at time of permit (see... WAC 296-96-01030 as noted in the exception)

[Statutory Authority: Chapter 70.87 RCW. WSR 18-18-070, § 296-96-02605, filed 8/31/18, effective 10/1/18; WSR 13-24-066, § 296-96-02605, filed 11/27/13, effective 1/1/14; WSR 07-24-041, § 296-96-02605, filed 11/30/07, effective 1/1/08.]

Commented [CAR(111): Stakeholder proposal. This has already been accepted for the commercial stair lifts. It is being added to cover the residential stairway chairlifts, as ASME A18.1-2017 Rule 7.8 (new) requires that all chairs be provided with this device.

TAC: 14 approve, 2 opposed.
(friendly amendment passed to read: "Governor overspeed/platform safety testing shall be verified by manufacturer documentation and manually tripped at rated speed with no load per the procedures in ASME A18.1-2017 10.4.1.1". TAC: 15 approve, 1 opposed.)

ESAC supports, no opposed.

WAC 296-96-02640 Inclined commercial stairway chair lifts.

Governor overspeed safety testing shall be verified by manufacturer's submitted documentation at time of permit(see A18.1 Requirement 9.9.3). Safeties shall be manually tripped at rated speed with no load on the chair (see A18.1 Section 10.4).
~~and manually tripped at rated speed with no load.~~

Commented [CAR(112): Stakeholder proposal. Changes for clarity, as the governor is also the platform safety.

TAC – 15 approve, 0 oppose, 1 abstained
(friendly amendment to change to read: Governor overspeed/platform safety testing shall be verified by manufacturer documentation and manually tripped at rated speed with no load per the procedures in ASME A18.1-2017 10.4.1.1" and added "platform safety" in front of testing".)

ESAC supports, no opposed.

[Statutory Authority: Chapter 70.87 RCW. WSR 18-18-070, § 296-96-02640, filed 8/31/18, effective 10/1/18; WSR 13-24-066, § 296-96-02640, filed 11/27/13, effective 1/1/14.]

Commented [BGR(113R112): Manufacturer's submitted documentation at time of permit (see... WAC 296-96-01030 as noted in the exception), and added at rated speed, per code reference A18.1 9.9.3

NEW SECTION

WAC 296-96-02650 Additional required onsite documentation.

1. Wiring diagrams.
2. A log identifying applicable tests.
3. Manufacturer's operational instructions that include the operation of the manual lowering device.
4. Maintenance logs shall include the following tasks;
 - (a) Stair chair lifts
 - (i) Platform lifts~~(chair)~~
 - (a) Operating control devices;
 - (b) Seat, arm rests, and foot rest;
 - (c) Rated load and data plate; and
 - (d) Ride
 - (ii) Machine;
 - (a) Enclosure;
 - (b) Drive machine brake;
 - (c) Suspension means;
 - (d) Disconnecting means;
 - (e) Numbering of equipment;
 - (f) Gears and bearings;
 - (g) Winding drum;
 - (h) Suspension fastenings;
 - (i) Slack-rope devices; and
 - (k) Overspeed governor
 - (iii) Runway

Commented [CAR(114): Stakeholder proposal. Creates a new section to modify and clarify what A18.1-2017 requires to be onsite by removing the requirement that the mechanics procedural manual be left onsite and clarifies what the applicable items that are required to be on each maintenance and test log as applicable to the type of equipment.

TAC: 11 approve, 5 abstained.
ESAC supports, no opposed.

(a) Normal terminal stopping devices;
(b) Final terminal stopping devices;
(c) Head room;
(d) Guiding members;
(e) Construction;
(f) Clearances;
(g) Traveling cables and junction boxes;
(h) Guide rail fastenings and equipment; and
(i) Equipment exposure to weather
(b) Inclined platform lifts
(i) Platform
(a) Stop switch;
(b) Operating control devices;
(c) Floor;
(d) Lighting;
(e) Emergency signal;
(f) Signs and operating device symbols; and
(g) Rated load and data plates
(h) Ride;
(i) Arms and retractable ramps;
(ii) Machine
(a) Enclosure;
(b) Guarding of exposed auxiliary equipment;
(c) Drive machine brake

(d) Gears and bearings;
(e) Winding drum;
(f) Belt or chain drive;
(g) Secondary and deflector sheaves;
(h) Suspension fastenings;
(i) Slack-rope devices;
(j) Safety device;
(k) Overspeed governor;
(l) Disconnecting means;
(m) Numbering of equipment; and
(n) Controller;
(iii) Runway
(a) Normal terminal stopping devices;
(b) Final terminal stopping devices;
(c) Head room;
(d) Slack rope devices;
(e) Safeties and Guiding members;
(f) Construction;
(g) Clearances;
(h) Guide rail fastenings and equipment;
(i) Suspension means; and
(j) Equipment exposure to weather
(c) Vertical platform lifts
(i) Platform

(a) Stop switch;
(b) Operating control devices;
(c) Lighting and auxiliary lighting;
(d) Emergency signaling device;
(e) Gates and retractable ramps;
(f) Enclosure
(g) Signs and operating device symbols;
(h) Rated load and data plate; and
(i) Ride
(ii) Machine;
(a) Enclosure;
(b) Drive machine brake;
(c) Gears and bearings;
(d) Winding drum;
(e) Belt or chain drive machine;
(f) Secondary or deflector sheaves;
(g) Suspension fastenings;
(h) Slack rope device;
(i) Overspeed governors;
(j) Hydraulic power unit;
(k) Control valves;
(l) Hydraulic cylinders and supply piping;
(iii) Runways
(a) Normal terminal stopping device;

(b) Final terminal stopping device;

(c) Head room;

(d) Slack rope device;

(e) Safeties and guiding members;

(f) Construction;

(g) Clearances;

(h) Traveling cables;

(i) Door and gate equipment;

(j) Suspension fastenings;

(k) Suspension means; and

(l) Equipment exposure to weather

(iv) Outside runway

(a) Doors and gates;

(b) Door locking devices; and

(c) Enclosure

Section 13

Private Residence Elevators

NEW SECTION

WAC 296-96-02700 Machine room requirements.

- (1) Main line disconnects⁷ and car light disconnects shall be located adjacent to the controller when not located in a dedicated machine room.

Commented [CAR(115)]: Department change. Housekeeping.

Commented [CAR(116)]: Stakeholder proposal.

(1) ASME A17.1-5.3 does not contain a requirement for a machine room and we are constantly being asked to provide machine room layouts.

In more cases the controller is located in a large room or garage and may have multiple points of entry. This will add a greater level of safety to home owners, emergency personnel, and maintenance personnel as the disconnects will be adjacent to the elevator controller and not in locations up to 20 ft. away. NEC Section VIII; "Machine Rooms, Control Rooms, Machinery Spaces, and Control Spaces.

(A) Motor Controllers shall be permitted outside the spaces herein specified, provided they are in enclosures with doors or removable panels that are capable of being locked in the closed position and the disconnecting means is located adjacent to or is an integral part of the motor controller.

This is to clarify that when a machine room is not provided that the disconnects be centrally located, rather than having them located at the point of entry, which could be several, into a non-dedicated room.

(2) ASME A17.1 – 5.3 does not require an access door to the motor brake. This is a safety issue for emergency rescue by having a safe means to access the brake.

TAC: 7 approve, 4 oppose, 3 abstentions.
ESAC supports, no opposed.

a. When located in a dedicated room, commercial machine room requirements shall be followed. Main line disconnects shall comply with WAC 296-96-02460.

Commented [CAR(117): Department change. Added for rule clarity.

(2) Access to the motor brake shall have:

a. A lockable door that is a minimum of 6"x6" or 36 sq.in.

b. A "STOP" switch shall be located within reach of the access door.

~~a-c.~~ A light switch and GFCI ~~outlet~~ receptacle shall be located within reach of the access door.

Commented [CAR(118): Department change. Added additional language to clarify requirements for main line disconnects.

Commented [CAR(119): Department change. Corrects language to use standard nomenclature.

PART C1 - MINIMUM STANDARDS FOR NEW AND ALTERED STANDARD

APPLICATION MATERIAL LIFTS

WAC 296-96-05000 Scope. The requirements in this part are intended to cover those stand-alone standard application ~~vertical~~material lifts. Where Type-A or Type-B material lifts are installed, they shall comply with ASME A17.1/CSA B44, Part 7.

Commented [CAR(120): Department change. Corrected language to read "standard application material lifts" for clarity and consistency in the rules with terminology.

[Statutory Authority: Chapter 70.87 RCW. WSR 18-18-070, § 296-96-05000, filed 8/31/18, effective 10/1/18.]

WAC 296-96-05020 Hoistway enclosure. Generally, local codes and ordinances govern hoistway enclosure construction. When not in conflict with a local code requirement, the enclosure shall:

(1) Be built to a height of ~~7-feet~~ 84 in. above each floor, landing and adjacent stairway tread;

Commented [CAR(121): Department change. Housekeeping. Changes for consistency with code formats for dimensions.

(2) Extend (adjacent to the counterweights) the full height of the floor and 8 ~~inches~~ in. beyond the counterweight raceway;

Commented [CAR(122): Department change. Housekeeping. Changes for consistency with code formats for dimensions.

(3) Be constructed of either solid material or material with openings that will reject a 2-~~inch~~ in. diameter ball;

Commented [CAR(123): Department change. Housekeeping. Changes for consistency with code formats for dimensions.

(4) Be supported and braced so that it does not deflect more than 1 inch when subjected to a force of 100 lbs. applied perpendicular at any point;

(5) A full height hoistway enclosure is required only on the side(s) of the material lift for which the car is not equipped with a gate or enclosure.

[Statutory Authority: Chapter 70.87 RCW. WSR 18-18-070, § 296-96-05020, filed 8/31/18, effective 10/1/18; WSR 07-24-041, § 296-96-05020, filed 11/30/07, effective 1/1/08. Statutory Authority: RCW 70.87.020, 70.87.030, 70.87.034, 70.87.120, 70.87.185 and chapter 70.87 RCW. WSR 01-02-026, § 296-96-05020, filed 12/22/00, effective 1/22/01.]

WAC 296-96-05030 Hoistway gates and doors. Enclosure gates (doors) shall be constructed according to the following standards:

(1) The gate shall guard the full width of each opening on every landing.

(2) It shall be built in one of the following styles:

(a) Vertically sliding;

(b) Biparting;

(c) Counter-balanced;

(d) Horizontally swinging; or

(e) Horizontally sliding.

(3) Be constructed of either solid material or material with openings that will reject a 2-~~inches~~in. diameter ball.

Commented [CAR(124)]: Department change. Housekeeping. Changes for consistency with code formats for dimensions.

(4) Be constructed with a distance of not more than ~~2 1/2 inches~~ 2.5 in. between a hoistway gate or hoistway door face and a landing sill edge.

Commented [CAR(125)]: Department change. Housekeeping. Changes for consistency with code formats for dimensions.

(5) Be designed and guided to withstand (without being broken, permanently deformed, or displaced from its guides or tracks) a 100 pound lateral pressure applied near its center.

(6) Be equipped with labeled and listed electrical interlock(s) that prevents the operation of the lift when the doors or gates are open.

(7) Be constructed with balanced type vertically sliding gates that extend no more than 2 ~~inches~~in. vertically from the landing threshold and no less than 66 ~~inches~~in. above it.

Commented [CAR(126)]: Department change. Housekeeping. Changes for consistency with code formats for dimensions.

[Statutory Authority: Chapter 70.87 RCW. WSR 18-18-070, § 296-96-05030, filed 8/31/18, effective 10/1/18. Statutory Authority: RCW 70.87.020, 70.87.030, 70.87.034, 70.87.120, 70.87.185, 70.87.190, 2002 c 98, 2003 c 143 and 2004 c 66. WSR 04-12-047, § 296-96-05030, filed 5/28/04, effective 6/30/04. Statutory

Commented [CAR(127)]: Department change. Housekeeping. Changes for consistency with code formats for dimensions.

Authority: RCW 70.87.020, 70.87.030, 70.87.034, 70.87.120, 70.87.185 and chapter 70.87 RCW. WSR 01-02-026, § 296-96-05030, filed 12/22/00, effective 1/22/01.]

WAC 296-96-05070 Car enclosures. (1) Lift cars shall have their sides enclosed with solid panels or openwork that will reject a two-inch diameter ball. On the car sides where there is no gate (door), the enclosure shall extend to a height of at least ~~forty eight inches~~ **48 in.** from the floor or to a height necessary to enclose the materials that are being moved, whichever is greater. On the car side next to the counterweight runway, the enclosure shall extend vertically to the car top or underside of the car crosshead and horizontally to at least ~~six inches~~ **6 in.** on each side of the runway.

Commented [CAR(128): Department change. Housekeeping. Changes for consistency with code formats for dimensions.

(2) Standard application material lifts in unenclosed hoistways shall have a car gate that is constructed of the same material as the car enclosure.

Commented [CAR(129): Department change. Housekeeping. Changes for consistency with code formats for dimensions.

(3) The gate, if required or supplied, shall be the same height as the sidewalls of the car enclosure and shall be provided with a latching device and electrical contact to prevent the operation of the motor and brake if open more than two inches.

[Statutory Authority: Chapter 70.87 RCW. WSR 18-18-070, § 296-96-05070, filed 8/31/18, effective 10/1/18; WSR 13-24-066, § 296-96-05070, filed 11/27/13, effective 1/1/14. Statutory

Authority: RCW 70.87.020, 70.87.030, 70.87.034, 70.87.120, 70.87.185, 70.87.190, 2002 c 98, 2003 c 143 and 2004 c 66. WSR 04-12-047, § 296-96-05070, filed 5/28/04, effective 6/30/04. Statutory Authority: RCW 70.87.020, 70.87.030, 70.87.034, 70.87.120, 70.87.185 and chapter 70.87 RCW. WSR 01-02-026, § 296-96-05070, filed 12/22/00, effective 1/22/01.]

WAC 296-96-05090 Car and counterweight guides. Car and counterweight guide rails shall be fastened so they will not deflect more than ~~±80.125~~ in. They shall also be strong enough to withstand, without deformation, the application of a car safety when the car is carrying its rated load and traveling at its rated speed.

[Statutory Authority: Chapter 70.87 RCW. WSR 18-18-070, § 296-96-05090, filed 8/31/18, effective 10/1/18. Statutory Authority: RCW 70.87.020, 70.87.030, 70.87.034, 70.87.120, 70.87.185 and chapter 70.87 RCW. WSR 01-02-026, § 296-96-05090, filed 12/22/00, effective 1/22/01.]

WAC 296-96-05140 Car safeties. Car safeties shall be used on all material lifts that are suspended by wire ropes or chains. They shall be able to stop and sustain a car carrying ~~125-100~~ percent of its rated load. This shall be demonstrated during the acceptance inspection and test procedure with an overspeed or gravity drop test, minimum two safeties at a time. On lifts driven by rack and pinion machines:

Commented [CAR(130): Department change. Housekeeping. Changes for consistency with code formats for dimensions.

Commented [CAR(131): Stakeholder proposal. To require testing car safeties at 125% is destructive. They should be tested at 100%. Includes minor housekeeping change.

TAC: 15 approve, 1 opposed.
ESAC supports, no opposed.

(1) Car safeties shall be able to stop and sustain a car carrying ~~125-100~~ percent of its rated load.

Commented [CAR(132): See rationale above.

(2) Car safeties will consist of a freely rotating safety pinion, an overspeed governor, and a safety device which may be mounted on the car.

Commented [CAR(133): Department change. Housekeeping change for punctuation.

(3) The rotating pinion driving an overspeed governor will travel on a stationary rack, which is vertically mounted in the hoistway.

Commented [CAR(134): Department change. Housekeeping change for punctuation.

(4) The governor will actuate the safety device when the downward speed of the car reaches the tripping speed and will bring the car to a gradual stop.

[Statutory Authority: Chapter 70.87 RCW. WSR 18-18-070, § 296-96-05140, filed 8/31/18, effective 10/1/18; WSR 13-24-066, § 296-96-05140, filed 11/27/13, effective 1/1/14; WSR 07-24-041, § 296-96-05140, filed 11/30/07, effective 1/1/08. Statutory Authority: RCW 70.87.020, 70.87.030, 70.87.034, 70.87.120, 70.87.185 and chapter 70.87 RCW. WSR 01-02-026, § 296-96-05140, filed 12/22/00, effective 1/22/01.]

WAC 296-96-05190 Pits. The following requirements shall apply to lift pits: ~~shall~~

Commented [CAR(135): Department proposal. 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.

TAC: 14 approve, 2 abstained.
ESAC supports, no opposed.

(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 provided, ~~Have~~ drains ~~that are~~ shall not be directly connected to sewers;

(5) Provide safe and convenient access to the pit;

(6) ~~Provide~~ Have an approved access ladder for pits deeper than ~~3-feet~~ 36 in.; and

Commented [CAR(136): Department change. Housekeeping. Changes for consistency with code formats for dimensions.

(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 ~~in.~~ above the pit floor to a point at least ~~7-feet~~ 84 in. but not more than ~~8-feet~~ 96 in. above the floor;

Commented [CAR(137): Department change. Housekeeping. Changes for consistency with code formats for dimensions.

(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.

[Statutory Authority: Chapter 70.87 RCW. WSR 18-18-070, § 296-96-05190, filed 8/31/18, effective 10/1/18. Statutory Authority: RCW 70.87.020, 70.87.030, 70.87.034, 70.87.120, 70.87.185 and chapter 70.87 RCW. WSR 01-02-026, § 296-96-05190, filed 12/22/00, effective 1/22/01.]

WAC 296-96-05210 Signage. Each lift shall have the following two signs:

(1) A "CAPACITY" sign permanently fastened in the lift car and on each landing. This sign shall indicate the rated load of the lift in pounds and be made of metal with 2 ~~inch~~in. high black letters on a yellow background.

Commented [CAR(138): Department change. Housekeeping. Changes for consistency with code formats for dimensions.

(2) A "NO RIDERS" sign conspicuously and permanently fastened on the landing side of all hoistway gates (doors) and in the enclosure of each car. This sign shall be made of metal with 2-~~inch~~in. high black letters on a red background.

Commented [CAR(139): Department change. Housekeeping. Changes for consistency with code formats for dimensions.

[Statutory Authority: Chapter 70.87 RCW. WSR 18-18-070, § 296-96-05210, filed 8/31/18, effective 10/1/18. Statutory Authority: RCW 70.87.020, 70.87.030, 70.87.034, 70.87.120, 70.87.185 and chapter 70.87 RCW. WSR 01-02-026, § 296-96-05210, filed 12/22/00, effective 1/22/01.]

PART C2 - PRIVATE RESIDENCE INCLINED ELEVATORS

WAC 296-96-07150 Guide rails, track supports and

fastenings. (1) Guides, guide rails, guide rail brackets, and their fastenings and supports shall, at the point of support, deflect ~~1/80.125 inch~~1/80.125 in. or less while resisting horizontal forces encountered during loading. When horizontal force is measured at a mid-point between brackets, guide rails shall deflect ~~1/4 0.25 inch~~1/4 0.25 in. or less in any direction.

Commented [CAR(140): Department change. Housekeeping. Changes for consistency with code formats for dimensions.

(2) Fixed, suspended cable guides may be used as a guide member(s). When used, the deflection is to be specified by the

Commented [CAR(141): Department change. Housekeeping. Changes for consistency with code formats for dimensions.

manufacturer and approved by a structural engineer licensed in the state of Washington.

[Statutory Authority: Chapter 70.87 RCW. WSR 18-18-070, § 296-96-07150, filed 8/31/18, effective 10/1/18; WSR 07-24-041, § 296-96-07150, filed 11/30/07, effective 1/1/08. Statutory Authority: RCW 70.87.020, 70.87.030, 70.87.034, 70.87.120, 70.87.185 and chapter 70.87 RCW. WSR 01-02-026, § 296-96-07150, filed 12/22/00, effective 1/22/01.]

**PART C3 - CONSTRUCTION, OPERATION, MAINTENANCE AND
INSPECTION OF PRIVATE RESIDENCE INCLINED CONVEYANCES FOR
TRANSPORTING ONLY PROPERTY**

NOTE: New installations shall comply with ASME A17.1/CSA B44, 5.4.

PART C4 - PERSONNEL HOISTS

Personnel Hoists

NOTE: All newly installed personnel hoists shall comply with ASSE/ANSI A10.4.

PART C5 - ADDITIONAL TYPES OF CONVEYANCES

Material Hoists

NOTE: New installations to comply with ANSI A10.5.

Belt Manlifts

NOTE: New installations of belt manlifts shall comply with current adopted version of ASME A90.1.

~~WAC 296-96-11080 Five year test. A five year test of the~~

Commented [CAR(142): Department change.
Repeal. A90.1 does not require 5-year tests.

~~belt manlift shall be conducted, and the test shall be
administered under the following conditions:~~

~~(1) Qualified people will conduct the test. A qualified
person is either:~~

~~(a) An elevator mechanic licensed in the appropriate
category of the conveyance being tested;~~

~~(b) The representative of a firm that manufactured the
particular belt manlift who holds a current temporary mechanic's
license in this state; or~~

~~(c) The representative of a firm that manufactured the
particular belt manlift who is working under the direct
supervision of an elevator mechanic licensed in the appropriate
category of the conveyance being tested.~~

~~(2)(a) The up capacity of the belt manlift shall be tested
with 200 lbs. on each horizontal step. During the up run portion
of the test the belt manlift shall not show appreciable slip of
the belt when standing or running at rated speed.~~

~~(b) The down capacity of the belt manlift shall be tested
with 200 lbs. on each horizontal step. During the down run~~

~~portion of the test the belt manlift shall not show appreciable slip of the belt when standing or running at the rated speed.~~

~~The brake shall stop and hold the belt with test load within a maximum of 24 in. of travel.~~

~~(3) After the five year test has been performed a tag indicating the date of the test and name of the company performing the test shall be attached in a visible area of the drive motor machine.~~

~~[Statutory Authority: Chapter 70.87 RCW. WSR 18-18-070, § 296-96-11080, filed 8/31/18, effective 10/1/18. Statutory Authority: RCW 70.87.020, 70.87.030, 70.87.034, 70.87.120, 70.87.185, 70.87.190, 2002 c 98, 2003 c 143 and 2004 c 66. WSR 04-12-047, § 296-96-11080, filed 5/28/04, effective 6/30/04.]~~

~~Special Purpose Personnel Elevators~~ Electric Manlifts

Commented [CAR(143)]: Department change. Changes to the section titles for formatting and consistency in the rules.

NOTE: New installations shall comply with ASME A17.1/CSA B44, Section 5.7.

Hand Powered Elevators

Commented [CAR(144)]: See rationale above.

NOTE: New installations shall comply with ASME A17.1/CSA B44, Section 4.3.

Casket Lifts

NOTE: These conveyances are intended to be used only in mortuaries where moving caskets is necessary. The installation of new lifts for this purpose shall comply with ASME A17.1/CSA B44, Part 7 [or WAC Part C1](#).

Boat Launching Elevators

WAC 296-96-18020 Car and platform enclosures. All boat launching elevator cars or platforms shall be enclosed to a height of at least ~~6 feet~~ [72 in.](#) from the floor on all sides where there are no hoistway doors or gates. Enclosures may be built as solid panels or open work which will reject a 2 in. diameter ball.

[Statutory Authority: Chapter 70.87 RCW. WSR 18-18-070, § 296-96-18020, filed 8/31/18, effective 10/1/18. Statutory Authority: RCW 70.87.020, 70.87.030, 70.87.034, 70.87.120, 70.87.185 and chapter 70.87 RCW. WSR 01-02-026, § 296-96-18020, filed 12/22/00, effective 1/22/01.]

Commented [CAR(145): Department change. Adds the material lift requirements for casket lifts.

Commented [CAR(146): Department change. Housekeeping. Changes for consistency with code formats for dimensions.

Mechanized Parking Garages

~~**WAC 296-96-20005 Applicable codes and standards.** The department has adopted USASI Standard ANSI/ASME A113.1 1964 "Safety Code for Mechanized Parking Garage Equipment."~~
~~[Statutory Authority: Chapter 70.87 RCW. WSR 18-18-070, § 296-96-20005, filed 8/31/18, effective 10/1/18. Statutory Authority: RCW 70.87.020, 70.87.030, 70.87.034, 70.87.120, 70.87.185 and chapter 70.87 RCW. WSR 01-02-026, § 296-96-20005, filed 12/22/00, effective 1/22/01.]~~

Commented [CAR(147): Department change. Repeal, as there is no longer a code that supports these devices.

PART D - REGULATIONS FOR EXISTING ELEVATORS, STANDARD
APPLICATION MATERIAL LIFTS, DUMBWAITERS, AND ESCALATORS

NOTE: This part provides the minimum requirements for existing conveyances. Application of Part D rules apply where a conveyance was not provided, or required to be provided, with a device or system when originally installed or altered. Where Part D does not cover a particular device or system, refer to ASME A17.3.

Section 1

Compliance Time Frames

Section 2

Additional Requirements

Subpart I

Section 1

Hoistways

WAC 296-96-23117 Car top guard railings. ~~for traction~~

~~elevators.~~ A standard railing shall be installed on the top of all ~~traction~~ 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 of 2.14.1.7.2, the following shall apply: ~~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~~

Commented [CAR(148): Department change. Adds language to the Part D section, as older material lifts will need to comply with Part D since they may have been installed under previous WAC rules.

Commented [CAR(149): Department proposal. 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.

TAC: 10 approve, 3 oppose, 3 abstained.
ESAC supports, no opposed.

~~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.~~

(1) The top railing shall be installed at a height of not less than 1070 mm (42 in.) nor more than 1100 mm (43 in.) from the car top.

(2) 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.

(3) The stripes are only required on the side(s) where the top rail is below 900 mm (35 in.).

(4) Where required, the stripes shall extend the entire length of the top rail.

(5) 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(2).

(6) Toe boards are not required.

Commented [CAR(150)]: Department change. Creates a new subsection (7). Existing car tops may be configured such that a toe board may not be able to be properly installed as it would be for new installations.

EXEMPTIONException:This requirement does not apply to electric manlifts or residential elevators.

[Statutory Authority: Chapter 70.87 RCW. WSR 18-18-070, § 296-96-23117, filed 8/31/18, effective 10/1/18; WSR 07-24-041, § 296-96-23117, filed 11/30/07, effective 1/1/08. Statutory Authority: RCW 70.87.020, 70.87.030, 70.87.034, 70.87.120, 70.87.185, 70.87.190, 2002 c 98, 2003 c 143 and 2004 c 66. WSR 04-12-047, § 296-96-23117, filed 5/28/04, effective 6/30/04.]

~~**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~~

Commented [CAR(151)]: Department proposal. 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.

TAC: 15 approve, 1 opposed.
ESAC supports, no opposed.

~~clearance of 6 in. cannot be achieved, do not install car top railing, instead provide signage required by WAC 296-96-23119.~~

[Statutory Authority: Chapter 70.87 RCW. WSR 18-18-070, § 296-96-23118, filed 8/31/18, effective 10/1/18; WSR 07-24-041, § 296-96-23118, filed 11/30/07, effective 1/1/08. Statutory Authority: RCW 70.87.020, 70.87.030, 70.87.034, 70.87.120, 70.87.185, 70.87.190, 2002 c 98, 2003 c 143 and 2004 c 66. WSR 04-12-047, § 296-96-23118, filed 5/28/04, effective 6/30/04.]

WAC 296-96-23119 Low overhead signs.

(1) Elevators that do not have a minimum of 24 in. clearance from the crosshead, or any equipment mounted on the crosshead, to the lowest member of the overhead structure in the hoistway when the car has reached its maximum upward movement shall be provided with caution signage. A sign shall be located near the top of car inspection station. An additional sign shall be posted on the hoistway wall. This sign shall be visible when accessing the car top. The sign shall consist of alternating 4 in. diagonal red and white stripes and shall clearly state "danger low clearance" in lettering not less than 4 in. in height.

Commented [CAR(152): Department change. Housekeeping.

(2)Where required by WAC 296-96-23117(5), a sign shall be provided that reads "Caution: Low Clearances Above Guardrail".

[Statutory Authority: Chapter 70.87 RCW. WSR 18-18-070, § 296-96-23119, filed 8/31/18, effective 10/1/18; WSR 07-24-041, §

Commented [CAR(153): Department change. Add a new sign when guardrail clearances are less than permitted by code.

296-96-23119, filed 11/30/07, effective 1/1/08. Statutory Authority: RCW 70.87.020, 70.87.030, 70.87.034, 70.87.120, 70.87.185, 70.87.190, 2002 c 98, 2003 c 143 and 2004 c 66. WSR 04-12-047, § 296-96-23119, filed 5/28/04, effective 6/30/04.]

Section 2

Machine Rooms and Machinery Spaces

WAC 296-96-23126 Guarding of equipment. (1) Where feasible, gears, sprockets, sheaves, cables, tapes, belts, and chains shall be fitted with suitable guards to prevent accidental contact.

(2) Openings in machine room floors above the hoistway must be guarded to prevent tools and materials from falling into the hoistway below.

Commented [CAR(154)]: Department change. Changes to prevent anything from being dropped down the hoistway, not just tools.

(3) Open grating in machine room floors shall reject a ball $\frac{1}{2}$ 0.5 in. in diameter.

Commented [CAR(155)]: Department change. Housekeeping. Changes for consistency with code formats for dimensions.

(4) Ventilation grids where exposed to the hoistway below shall be firmly fastened to prevent accidental removal and shall be fitted with $\frac{1}{2}$ 0.5 in. wire mesh ~~under~~ securely attached to the grid.

Commented [CAR(156)]: Department change. Housekeeping. Changes for consistency with code formats for dimensions.

[Statutory Authority: Chapter 70.87 RCW. WSR 18-18-070, § 296-96-23126, filed 8/31/18, effective 10/1/18. Statutory Authority: RCW 70.87.020, 70.87.030, 70.87.034, 70.87.120, 70.87.185 and chapter 70.87 RCW. WSR 01-02-026, § 296-96-23126, filed 12/22/00, effective 1/22/01.]

Commented [CAR(157)]: Department change. There is no reason to have the mesh secured to the underside of the grillwork which may be difficult to reach from the car top. This allows the mesh to be on top of the grill work providing it is secured.

Section 3

Pits

WAC 296-96-23130 Pit access. Access ladders shall be installed in elevator pits ~~3-ft.~~ 36 in. or deeper. Where constraints prohibit the installation of a pit ladder conforming to ASME A17.1/CSA B44, 2.2.4.2, a retractable ladder shall be permitted to be installed in accordance with 2.2.4.2.7 and 2.2.4.2.8 of ASME A17.1/CSA B44.

[Statutory Authority: Chapter 70.87 RCW. WSR 18-18-070, § 296-96-23130, filed 8/31/18, effective 10/1/18. Statutory Authority: RCW 70.87.020, 70.87.030, 70.87.034, 70.87.120, 70.87.185 and chapter 70.87 RCW. WSR 01-02-026, § 296-96-23130, filed 12/22/00, effective 1/22/01.]

WAC 296-96-23132 Pit illumination and receptacles. (1) Light fixtures shall be installed in all pits.

(a) Installations prior to 7/1/2004 require a permanent lighting fixture producing at least 5 foot-candles as measured in the working areas at the pit floor.

(b) A light switch shall be installed and shall be accessible from the pit access door.

(2) A permanent GFCI 15-20 amp duplex receptacle shall be provided in all pits.

(3) Where more than one elevator shares a common pit, a GFCI 15-20 amp duplex receptacle shall be located in the area

Commented [CAR(158): Department change. Housekeeping. Changes for consistency with code formats for dimensions.

Commented [CAR(159): Department Change. Adds language in order to comply with NFPA 70 requirements.

Commented [CAR(160): Department Change. Adds language in order to comply with NFPA 70 requirements.

below each elevator and above when traction machines are located in top of the hoistway.

Commented [CAR(161)]: Department change. Adds language in order to comply with NFPA 70 requirements.

[Statutory Authority: Chapter 70.87 RCW. WSR 18-18-070, § 296-96-23132, filed 8/31/18, effective 10/1/18; WSR 07-24-041, § 296-96-23132, filed 11/30/07, effective 1/1/08. Statutory Authority: RCW 70.87.020, 70.87.030, 70.87.034, 70.87.120, 70.87.185 and chapter 70.87 RCW. WSR 01-02-026, § 296-96-23132, filed 12/22/00, effective 1/22/01.]

Subpart II

~~†Machinery and Equipment for Existing Electric†~~

~~†Existing† Elevators~~

WAC 296-96-23200 Scope. ~~Subpart II, Machinery and~~

~~Equipment for Electric Elevators, This Subpart~~ is a minimum

Commented [CAR(162)]: Department change. Simplifies the rule by eliminating duplicative language.

standard for all existing electric elevators. It applies to other equipment only as referenced in the applicable Subpart.

[Statutory Authority: Chapter 70.87 RCW. WSR 18-18-070, § 296-96-23200, filed 8/31/18, effective 10/1/18. Statutory Authority: RCW 70.87.020, 70.87.030, 70.87.034, 70.87.120, 70.87.185 and chapter 70.87 RCW. WSR 01-02-026, § 296-96-23200, filed 12/22/00, effective 1/22/01.]

Section 1

Compensating Means Connections

Section 2

Suspension Systems and Their Connections

~~[Section 3]~~ Subpart III

~~[Absence of Safety Bulkheads]~~

Commented [CAR(163): Department change.
Housekeeping change to keep headings and numbers of sections in sequence.

WAC 296-96-23303 Hydraulic elevators without safety bulkheads. (1) Oil levels shall be monitored and tracked in a log kept in the machine room.

(2) The log shall contain the date oil was added, the reason for the loss of oil, and the amount of oil added.

(3) If the reason for the loss of oil cannot be determined, the unit must be immediately taken out of service and the tests specified in 8.6.5.14.1 and 8.6.5.14.2 shall be performed.

[Statutory Authority: Chapter 70.87 RCW. WSR 18-18-070, § 296-96-23303, filed 8/31/18, effective 10/1/18; WSR 04-15-104, § 296-96-23303, filed 7/20/04, effective 8/20/04.]

Subpart ~~III~~ IV

Commented [CAR(164): Department change.
Housekeeping change to keep headings and numbers of subparts in sequence.

Alterations, Repairs, Maintenance, and Testing

WAC 296-96-23605 Examination of standard application

material lifts, special purpose lifts, electric manlifts, and hand-powered elevators manlifts. (1) Examination standard application material lifts, special purpose lifts, electric manlifts and hand elevators shall conform to the following:

Commented [CAR(165): Stakeholder proposal.
Amends language, as some additions/removals to clean up items that are applicable to these types of lifts. Remove the single asterisk (*) as there is no need to combine items, less confusion for all parties involved.

TAC: 10 approve, 2 oppose, 3 abstained.
ESAC: 2 approve, 1 oppose.

Commented [CAR(166): Stakeholder proposal.
Amends the title to clarify that special purpose lifts are more appropriately referred to as Special Purpose Elevators and Hand Elevators are more appropriately referred to as hand powered manlifts.

TAC: 15 approve, no oppose.
ESAC: 2 approve, 1 oppose.

(a) Annual examination requirements for electrical elevators. Service providers~~+~~ shall furnish documentation to

include the following components or systems that shall be examined if installed.

(b) Inside car:

~~_(i) Door reopening device;~~

(~~i~~) Stop switches;

(~~ii~~) Operating control devices*;

(~~iii~~) Car lighting and auxiliary lighting**;

(~~iv~~) Car emergency signal;

(~~v~~) Car door or gate;

~~_(vii) Door closing force;~~

(~~vi~~) Ventilation*;

(~~vii~~) Restricted opening of car or hoistway doors;

(~~viii~~) Car ride*; and

(~~ix~~) Stopping accuracy*;

(x) Car enclosure;

(xi) Emergency exits;

(xii) Signs and operating device symbols; and

(xiii) Equipment exposure to weather*.

(c) Machine room/control room:

(i) Guarding of equipment;

(ii) Stop switch;

(iii) Disconnecting means and control;

(iv) Controller wiring, fuses, grounding, etc.;

(v) Machinery supports and fastenings;

- (vi) Drive machine brakess;
- (vii) Traction drive machines;
- (viii) Gears, bearings, and flexible connections;
- (ix) Winding drum machine;
- (x) Absorption of regenerated power;
- (xi) Traction sheaves;
- (xii) Secondary and deflector sheaves;
- (xiii) Rope fastenings;
- (xiv) Operating devices;
- (xv) Code data plate**;
- ~~(xvi) AC drives from a DC source;~~
- (xvii) Slack rope devices;
- (xviii) Wiring diagrams; ~~and~~
- ~~(xix) Rope retainers or restraints;~~
- (xx) Equipment exposure to weather*; and
- (xxi) Fire extinguisher*.
- (d) Top-of-car:
 - (i) Top-of-car stop switch;
 - (ii) Car top light and outlet;
 - (iii) Top-of-car operating device and/or working platforms;
 - (iv) Car, overhead, and deflector sheaves;
 - (v) Crosshead data plate**;
 - (vi) Traveling cables and junction boxes;
 - (vii) Door and gate equipment;

(viii) Car frame and stiles;

(ix) Guide rails fastening and equipment;

(x) Governor rope;

(xi) Governor releasing carrier;

(xii) Fastening and hitch plate;

(xiii) Suspension means;

(xiv) Compensation means;

(xv) Working areas on the car top+;

(A) Means to prevent unexpected movement.

(B) Unexpected car movement device.

(C) Operating instructions for unexpected car movement device.

(D) Operating instructions for egress and reentry procedure;

(xvi) Machinery supports and fastenings;

(xvii) Guarding of exposed auxiliary equipment;

(xviii) Rope retainers and snag guards;

(xix) Position restraints-;

(xx)Top emergency exit;

(xxi) Hoistway construction*; and

(xxii) Equipment exposure to weather*.

(e) Outside hoistway:

(i) Car platform guard;

(ii) Hoistway doors;

~~_(iii) Vision panels*;~~

(~~iii~~) Hoistway door locking devices;

(~~iv~~) Access to hoistway;

(~~v~~) Emergency and access hoistway openings;

(~~vi~~) Separate counterweight hoistway;

(vii) Elevator parking devices; and

(viii) Equipment exposure to weather*.

(f) Pit:

(i) Pit access, lighting, stop switch and condition;

(ii) Bottom clearance and runby;

(iii) Traveling cables;

(iv) Compensating chains, ropes, and sheaves;

(v) Car frame and platform;

~~_(vi) Working areas in the pit;~~

~~_(A) Means to prevent unexpected movement.~~

~~_(B) Unexpected car movement device.~~

~~_(C) Operating instructions for unexpected car movement device.~~

~~_(D) Operating instructions for egress and reentry procedure;~~

(~~vi~~) Machinery supports and fastenings;

(~~vii~~) Guarding of exposed auxiliary equipment;

~~_(ix) Pit inspection operation.~~

(viii) Equipment exposure to weather*; and

(ix) Buffers.

Note: (*) May be combined with other items on the log.

(***) A visual component that must be reported to the owner.

(2) Annual examination requirements for hydraulic elevators. Service providers shall furnish documentation to include the following components or systems that shall be examined if installed.

(a) Inside the car:

~~(i) Door reopening device;~~

(i~~+~~) Stop switches;

(ii~~+~~) Operating control devices*;

(iii~~+~~) Car lighting and auxiliary lighting;

(i~~v~~) Car emergency signal;

(v~~+~~) Car door or gate;

~~(vii) Door closing force;~~

(vi~~++~~) Emergency exit;

(i~~x~~vii) Ventilation*;

(*viii) Signs and operating device symbols;

(i~~x~~+) Restricted opening of car or hoistway doors;

(x~~++~~) Car ride*; and

(xi~~++~~) Stopping accuracy*~~+~~;

(xii) Car enclosure; and

(xiii) Equipment exposure to weather.

(b) Machine room/control room:

(i) Stop switch;

(ii) Disconnecting means and control;

(iii) Controller wiring, fuses, grounding, etc.;

(iv) Hydraulic power unit;

(v) Tanks*; ~~and~~

(vi) Wiring diagrams; ~~and~~

(vii) Code data plate*;

(viii) Equipment exposure to weather*; and

(ix) Fire extinguisher*.

(c) Top-of-car:

(i) Top-of-car stop switch;

(ii) Car top light and outlet;

(iii) Top-of-car operating device and working platforms;

(iv) Top emergency exit;

(v) Traveling cables and junction boxes;

(vi) Door and gate equipment;

(vii) Car frame and stiles;

(viii) Guide rails fastening and equipment;

(ix) Governor rope;

(x) Wire rope fastening and hitch plate;

(xi) Suspension rope;

(xii) Slack rope device;

(xiii) Traveling sheave;

(xiv) Crosshead data plate~~**; and~~

(xv) Guarding of equipment~~;~~ and

(xvi) Equipment exposure to weather*.

(d) Outside hoistway:

(i) Car platform guard;

(ii) Hoistway doors;

~~(iii) Vision panels*;~~

(iii*) Hoistway door locking devices;

(iv) Access to hoistway; and

~~(vi) Emergency doors in blind hoistways;~~

(v) Equipment exposure to weather*.

(e) Pit:

(i) Pit access, lighting, stop switch, and condition;

(ii) Bottom clearance and runby;

(iii) Plunger and cylinder;

(iv) Traveling cables;

(v) Car frame and platform;

(vi) Supply piping;

(vii) Governor rope tension device;

(viii) Machinery supports and fastenings;

(ix) Guarding of exposed auxiliary equipment; and~~;~~

(x) Equipment exposure to weather*.

Note: (*) May be combined with other items on the log.

(**) A visual component that must be report to the owner.

[Statutory Authority: Chapter 70.87 RCW. WSR 18-18-070, § 296-96-23605, filed 8/31/18, effective 10/1/18; WSR 13-24-066, § 296-96-23605, filed 11/27/13, effective 1/1/14.]

Subpart ~~IV~~

Lifts for ~~Physically Handicapped~~ ~~Disabled Persons~~ Persons with Disabilities

WAC 296-96-23700 Lifts for persons with disabilities. The department's rules regulating lifting devices for persons with disabilities people are described in this subpart.

[Statutory Authority: Chapter 70.87 RCW. WSR 18-18-070, § 296-96-23700, filed 8/31/18, effective 10/1/18. Statutory Authority: RCW 70.87.020, 70.87.030, 70.87.034, 70.87.120, 70.87.185 and chapter 70.87 RCW. WSR 01-02-026, § 296-96-23700, filed 12/22/00, effective 1/22/01.]

WAC 296-96-23701 ~~Periodic examinations~~ Maintenance and tests on commercial accessibility lifts. (1) ~~A~~ One and five year inspection test tags in accordance with ASME A18.1, Section 10.3, shall be attached and visible. A full-load safety test shall be performed with weights on all commercial accessibility equipment.

Commented [CAR(167)]: Department change. Updates the title, as the term "handicapped" is no longer correct.

Commented [CAR(168)]: Stakeholder proposal. Changes to the title and language to align maintenance and tests with the requirements in ASME A18.1-2017, Section 11 (new).

TAC: 14 approve, 2 oppose.
ESAC supports, no oppose.

(2) The owner shall ensure that the accessibility lifts are routinely examined and maintained in accordance with ASME A18.1, Section ~~10.2~~ 11 and with this subpart.

(3) Documentation of tests, examinations, and maintenance shall be readily accessible on-site.

[Statutory Authority: Chapter 70.87 RCW. WSR 18-18-070, § 296-96-23701, filed 8/31/18, effective 10/1/18; WSR 13-24-066, § 296-96-23701, filed 11/27/13, effective 1/1/14.]

Subpart ~~VI~~

Standard Application Material Lifts

~~Subpart VI~~

~~Alterations, Repairs, Maintenance, and Testing~~

Subpart ~~VI~~

Inclined Private Residence Elevators

Subpart ~~IX~~

Private Residence Inclined Conveyances for Transporting
Only Property

Subpart ~~IX~~

Material Hoists

WAC 296-96-24301 Applicable regulations. All material hoist installations, maintenance, repair, and tests shall comply with the edition of ANSI/ASSE A10.5 Safety Requirements for Material Hoists under the edition to which they were installed.

EXCEPTION: Lifts and hoists for material that are erected

Commented [CAR(169): Department change.
Housekeeping.

Commented [CAR(170): Department change.
Housekeeping change to keep headings and numbers of sections in sequence.

Commented [CAR(171): Department change.
Housekeeping change to keep headings and numbers of sections in sequence.

Commented [CAR(172): Department change.
Housekeeping change to keep headings and numbers of sections in sequence.

temporarily for use during construction work only and are designed in one of the following ways:

(1) Powered platforms used for and temporarily constructed in conjunction with exterior work on building facades or to erect scaffolding, not intended to move material from one landing to another; and

(2) Portable lifts for material only.

[Statutory Authority: Chapter 70.87 RCW. WSR 18-18-070, § 296-96-24301, filed 8/31/18, effective 10/1/18.]

Subpart ~~XI~~

Commented [CAR(173): Department change. Housekeeping change to keep headings and numbers of sections in sequence.

Belt Manlifts

WAC 296-96-24401 Applicable requirements. (1) ~~Belt~~

~~manlifts shall comply with the code under which the unit was installed.~~ Existing belted manlifts shall comply with the current adopted edition of ASME A90.1 standard and this section.

Commented [CAR(174): Stakeholder proposal. There is no grandfathering in the A90.1 standard. "1.3 Application (c) one year after the date of issuance, all provisions of this standard shall apply to both new and existing installations, except as noted in individual sections.

TAC supports, no oppose.
ESAC: 2 approve, 1 abstained.

~~(2) Where a unit was installed when no code was available (pre 1949), the unit shall, as a minimum, comply with the oldest adopted standard (i.e., ASME A90.1-2003).~~

(~~3~~2) Appendix I and II records shall be kept in a secure location within the building and be readily accessible to maintenance personnel and inspectors.

[Statutory Authority: Chapter 70.87 RCW. WSR 18-18-070, § 296-96-24401, filed 8/31/18, effective 10/1/18.]

~~WAC 296-96-24416 Landings.~~ (1) Vertical clearance

~~between the floor or mounting platform and the lower edge of the conical guard above it shall be at least 7 ft., 6 in. When this clearance is not possible, access to the manlift shall be prohibited and the space where the runway passes through the platform floor shall be enclosed.~~

~~(2) Floor space adjacent to floor openings shall be kept clear and free of obstructions at all times.~~

~~(3) Adequate lighting shall be provided at each floor landing whenever the lift is in use.~~

Note: For purposes of this section "adequate lighting" means 5 foot candles.

~~(4) The landing surfaces at all entrances and exits shall provide safe footing and shall have a coefficient of friction of not less than 0.5 to help ensure safe footing.~~

~~(5) Emergency landings shall be provided so that the maximum distance a person travels on the emergency ladder between an emergency landing and a floor landing is 25 ft.~~

~~Emergency landings shall:~~

~~(a) Be accessible from both runs of the lift;~~

~~(b) Give access to the emergency ladder; and~~

~~(c) Be completely enclosed with a standard railing and toeboard.~~

Commented [CAR(175): Stakeholder proposal.
Repeal as this is found in A90.1.

TAC supports, no oppose.
ESAC: 2 approve, 1 abstained.

[Statutory Authority: Chapter 70.87 RCW. WSR 18-18-070, § 296-96-24416, filed 8/31/18, effective 10/1/18.]

~~**WAC 296-96-24419 Landing guards and cones.** (1) On the ascending side of the lift, all landings shall have a beveled guard or cone that meets the following requirements:~~

~~(a) Where possible, a cone shall make an angle with the horizontal of at least 45 degrees. A cone angle of 60 degrees or more shall be used where ceiling heights permit.~~

~~(b) Where possible, the guard or cone shall extend at least 42 in. outward from any belt handhold. A guard or cone shall not extend beyond the upper surface of the floor above.~~

~~(c) A cone shall be built of sheet steel (at least No. 18 U.S. gauge) or any material of equivalent strength or stiffness. The lower edge of a cone shall be rolled to a minimum diameter of 1/2 in. The interior of a cone shall be smooth with no protruding rivets, bolts, or screws.~~

~~(2) All obstructions shall be guarded just like floor openings with the same minimum distances observed.~~

[Statutory Authority: Chapter 70.87 RCW. WSR 18-18-070, § 296-96-24419, filed 8/31/18, effective 10/1/18.]

~~**WAC 296-96-24422 Guarding of entrances and exits.** (1) All manlift floor or landing entrances and exits shall be guarded by either a maze (staggered railing) or a handrail equipped with self-closing gates.~~

Commented [CAR(176): Stakeholder proposal.
Repeal as this is found in A90.1.

TAC supports, no oppose.
ESAC: 2 approve, 1 abstained.

Commented [CAR(177): Stakeholder proposal.
Repeal as this is found in A90.1.

TAC supports, no oppose.
ESAC: 2 approve, 1 abstained.

~~(2) When a maze is used:~~

~~(a) Maze or staggered openings shall not allow direct passage between a platform enclosure and the outer floor space;~~

~~(b) Rails shall be located between 24 and 48 in. from the edge of the opening as measured at right angles to the face of the belt; and~~

~~(c) At openings, the intersection of the top rail and the end post shall form a bend or standard long sweep "ell."~~

~~(3) When a handrail is used:~~

~~(a) Rails shall be standard guardrails; and~~

~~(b) Gates shall have rounded corners, open outward, and be self-closing.~~

~~(4) Unless prevented by building design, all entrances and exits at all landings shall be in the same relative location.~~

[Statutory Authority: Chapter 70.87 RCW. WSR 18-18-070, § 296-96-24422, filed 8/31/18, effective 10/1/18.]

~~**WAC 296-96-24425 Guarding of floor openings.** Except on the entrance or exit side, floor openings at each landing shall be guarded.~~

~~(1) The guards shall be constructed by one of the following methods:~~

~~(a) A standard railing and toeboard;~~

~~(b) Panels of wire mesh (not less than No. 10 U.S. gauge);~~

Commented [CAR(178): Stakeholder proposal. Repeal as this is found in A90.1.

TAC: 14 approve, 1 abstained, 1 not voting.
ESAC: 2 approve, 1 abstained.

~~(c) Panels of expanded metal (not less than No. 13 U.S. gauge);~~

~~(d) Panels of sheet metal (not less than No. 13 U.S. gauge); or~~

~~(e) Metal on a frame of either angle iron (at least 1 1/4 by 1 1/8 in.) or 1 1/4 in. iron pipe.~~

~~(2) When a belt manlift is installed in a stairwell, a standard guardrail shall be placed between the floor openings and the stairway.~~

~~(3) Rails or guards shall be:~~

~~(a) At least 42 in. high on the up running side and 66 in. high on the down running side; and~~

~~(b) Be located not more than 1.0 ft. from the edge of the floor opening.~~

~~(4) If a guardrail is used, the section of the guard above the rail may be constructed:~~

~~(a) According to ASME A90.1; or~~

~~(b) Using either vertical or horizontal bars capable of rejecting a 6 in. diameter ball.~~

[Statutory Authority: Chapter 70.87 RCW. WSR 18-18-070, § 296-96-24425, filed 8/31/18, effective 10/1/18.]

~~**WAC 296-96-24428 Guarding of floor landings.** Expanded metal, sheet metal or wooden guards shall be installed on each floor landing to prevent people from placing their hands in~~

Commented [CAR(179)]: Stakeholder proposal.
Repeal as this is found in A90.1.

TAC: 14 approve, 1 abstained, 1 not voting.
ESAC: 2 approve, 1 abstained.

~~areas where step rollers operate. These guards shall be installed on each exposed side of the lift and extend from the floor to a height of 84 in.~~

[Statutory Authority: Chapter 70.87 RCW. WSR 18-18-070, § 296-96-24428, filed 8/31/18, effective 10/1/18.]

~~WAC 296-96-24431 Bottom landings. (1) Bottom landing clear areas:~~

~~(a) Where possible, the clear area of a bottom landing shall be at least the size of the area enclosed by guardrails on the floors above;~~

~~(b) A clear area shall be free of stairs and ladders; and~~

~~(c) If a wall on the bottom landing is located in front of the down running side of the belt, it shall be installed at least 48 in. away from the belt face.~~

~~(2) The lowest landing serviced by the lift shall support the lower (boot) pulley installation.~~

~~(3) A mounting platform shall be installed on the lowest landing unless the landing floor is at or above the point at which the upper surface of the belt steps assume or leave a horizontal position.~~

~~(4) If a mounting platform is installed, it shall be located in front of or to one side of the up/down run.~~

~~[Statutory Authority: Chapter 70.87 RCW. WSR 18-18-070, § 296-96-24431, filed 8/31/18, effective 10/1/18.]~~

Commented [CAR(180)]: Stakeholder proposal.
Repeal as this is found in A90.1.

TAC: 14 approve, 1 abstained, 1 not voting.
ESAC: 2 approve, 1 abstained.

~~WAC 296-96-24434 Top clearances.~~ (1) When the center of the head pulley is more than 72 in. above the top landing, an emergency landing and ladder shall be installed.

~~(2) The location of the emergency landing shall be 24 in. below the center of the head pulley.~~

[Statutory Authority: Chapter 70.87 RCW. WSR 18-18-070, § 296-96-24434, filed 8/31/18, effective 10/1/18.]

~~WAC 296-96-24437 Emergency exit ladders.~~ Emergency exit ladders shall:

~~(1) Be a fixed metal type;~~

~~(2) Be accessible from either the "up" or "down" path of the lift;~~

~~(3) Be installed when the vertical distance between the landings exceeds 20 ft.; and~~

~~(4) Be constructed to comply with current general safety standards except enclosed cages need not be built;~~

~~(5) Provide access to an emergency exit;~~

~~(6) Be located in a position so that in an emergency a person can safely transfer from the manlift to the ladder.~~

Note: Transfer is considered safe when a person can maintain 3 points of contact while making the transfer.

[Statutory Authority: Chapter 70.87 RCW. WSR 18-18-070, § 296-96-24437, filed 8/31/18, effective 10/1/18.]

Commented [CAR(181)]: Stakeholder proposal.
Repeal as this is found in A90.1.

TAC: 14 approve, 1 abstained, 1 not voting.
ESAC: 2 approve, 1 abstained.

Commented [CAR(182)]: Stakeholder proposal.
Repeal as this is found in A90.1.

TAC: 14 approve, 1 abstained, 1 not voting.
ESAC: 2 approve, 1 abstained.

~~WAC 296-96-24440 Lighting.~~ (1) When a lift is in

~~operation, both runs shall be illuminated at all points with an intensity of at least 1.0 foot candle.~~

~~(2) Lighting control in runways shall be:~~

~~(a) Circuits tied permanently into the building circuits (no switches);~~

~~(b) Near the starting switch that controls the lift motor;~~
~~or~~

~~(c) Separate switches located on every landing and with each switch having the capability of turning on all lights throughout the entire runway.~~

[Statutory Authority: Chapter 70.87 RCW. WSR 18-18-070, § 296-96-24440, filed 8/31/18, effective 10/1/18.]

~~WAC 296-96-24445 Drive machines.~~ (1) Belt manlifts shall

~~be driven either by directly connected machines or by multiple "V" belts.~~

~~(2) Cast iron gears shall not be used.~~

~~(3) Brakes:~~

~~(a) On direct connected machines, the brake shall be mechanically applied to the motor shaft and released electronically.~~

~~(b) On "V" belt driven machines, the brake shall be mechanically applied to the input shaft and released electronically.~~

Commented [CAR(183)]: Stakeholder proposal.
Repeal as this is found in A90.1.

TAC: 14 approve, 1 abstained, 1 not voting.
ESAC: 2 approve, 1 abstained.

Commented [CAR(184)]: Stakeholder proposal.
Repeal as this is found in A90.1.

TAC: 14 approve, 1 abstained, 1 not voting.
ESAC: 2 approve, 1 abstained.

~~(c) All brakes shall be capable of stopping and holding the lift while carrying its rated capacity.~~

~~(4) Belts:~~

~~(a) Belts shall not have more than one splice per belt.~~

~~(b) There shall not be more than 1 in. of space between the opposing ends of the belt.~~

~~(c) A belt manlift that has evidence of severe belt damage shall be removed from service immediately. Belts with severe belt damage shall not be repaired and/or returned to service. "Severe belt damage" means that the protective outer cover of a belt becomes cut, cracked or separated exposing damaged inner fabric, and such damage extends across the full width of the belt, spans between adjacent belt holes, or damage goes through the entire thickness of the inner fabric. A torn belt is also considered severe.~~

EXCEPTION: ~~A lap splice that has become cracked or damaged may be converted to a butt splice and returned to service, provided that the damaged area on the splice is completely removed.~~

~~(d) The conversion of a lap splice to a butt splice does not constitute a repair.~~

~~(e) A belt that has evidence of superficial belt cover damage while in use on a manlift is not required to be replaced.~~

~~"Superficial belt cover damage" means that the protective outer cover of a belt becomes scratched, cut or cracked exposing the~~

~~inner fabric. Such damage shall not be continuous across the full width of the belt.~~

~~(5) Belts fastening:~~

~~(a) Shall be fastened either by a lap splice or a butt splice with a strap on the belt side opposite the pulley.~~

~~(b) For lapped splices on manlifts with travel distances not exceeding 100 ft., the overlap of the belt at the splice shall be at least 36 in.; or~~

~~(c) For lapped splices exceeding 100 ft., the overlap at the splice shall be at least 48 in.~~

~~(d) For butt splices on manlifts with travel distances not exceeding 100 ft., the strap shall extend at least 36 in. on one side of the butt; or~~

~~(e) For butt splices on manlifts exceeding 100 ft., the strap shall extend at least 48 in. on one side of the butt.~~

~~(f) For 12 in. belts, the joint shall be fastened with a minimum of 20 special elevator bolts with minimum diameters of 1/4 in. To effectively cover the belt joint area, these bolts shall be arranged symmetrically in 5 rows.~~

~~(g) For a 14 in. belt, the minimum number of bolts is 23.~~

~~(h) For a 16 in. belt, the minimum number of bolts is 27.~~

~~(6) All installations shall use machines designed and constructed to hold the driving pulley when there is shaft failure or overspeed.~~

[Statutory Authority: Chapter 70.87 RCW. WSR 18-18-070, § 296-96-24445, filed 8/31/18, effective 10/1/18.]

~~WAC 296-96-24448 Operating speed. The maximum belt speed of a belt manlift is 80 ft./min. No belt manlift shall be installed that exceeds this maximum speed limit, and all belt manlifts in a given location should run at approximately the same speed.~~

Commented [CAR(185)]: Stakeholder proposal.
Repeal as this is found in A90.1.

TAC: 14 approve, 1 abstained, 1 not voting.
ESAC: 2 approve, 1 abstained.

[Statutory Authority: Chapter 70.87 RCW. WSR 18-18-070, § 296-96-24448, filed 8/31/18, effective 10/1/18.]

~~WAC 296-96-24451 Step requirements. (1) Measured from the belt to the edge of the step, the minimum depth of a step is 12 in. and the maximum depth is 14 in.~~

Commented [CAR(186)]: Stakeholder proposal.
Repeal as this is found in A90.1.

TAC: 14 approve, 1 abstained, 1 not voting.
ESAC: 2 approve, 1 abstained.

~~(2) Step width shall not be less than the width of the belt to which it is attached.~~

~~(3) Measured from the upper surface of one step to the upper surface of the next step above, the distance between steps shall be at least 16 ft. and the steps shall be equally spaced along the belt.~~

~~(4) A step shall be attached to the belt so its surface approximates a right angle with the face of the belt enabling the step to travel in basically a horizontal position with the "up" and "down" path of the belt.~~

~~(5) The working (upper) surface of a step shall be made of either a material having nonslip characteristics (possessing a~~

~~coefficient of friction of not less than 0.5) or be completely covered with a securely attached nonslip tread.~~

~~(6) Step supports (frames) and guides shall be sufficiently strong to prevent:~~

~~(a) The disengagement of any step roller;~~

~~(b) Any appreciable misalignment; or~~

~~(c) Any visible deformation of the step or its support.~~

~~(7) Steps shall have corresponding handholds.~~

~~(8) If a step is removed for any reason, the handholds immediately above and below it shall be removed before the lift resumes operation.~~

[Statutory Authority: Chapter 70.87 RCW. WSR 18-18-070, § 296-96-24451, filed 8/31/18, effective 10/1/18.]

~~**WAC 296-96-24454 Handholds.** (1) Handholds attached to the belt shall be provided and installed so that they are not less than 48 in. nor more than 56 in. above the step tread. These handholds shall be available on both the "up" and "down" run of the belt.~~

~~(2) All handhold grab surfaces shall be at least 4 1/2 in. in width. Fastenings shall not come within 1 in. of the belt edge.~~

~~(3) All handholds shall be capable of withstanding, without damage, a 300 lb. load applied parallel to the belt run.~~

Commented [CAR(187): Stakeholder proposal.
Repeal as this is found in A90.1.

TAC: 14 approve, 1 abstained, 1 not voting.
ESAC: 2 approve, 1 abstained.

~~(4) All handholds shall have corresponding steps. When a handhold is removed for any reason, the corresponding step and handhold for the opposite direction of travel shall also be removed before the lift resumes operation.~~

[Statutory Authority: Chapter 70.87 RCW. WSR 18-18-070, § 296-96-24454, filed 8/31/18, effective 10/1/18.]

WAC 296-96-24457 Up-limit stop devices. (1) Two separate

automatic stop devices shall be provided to cut off the power and apply the brake when a loaded step passes the upper terminal landing. One of these devices shall consist of a switch mechanically operated by the belt or ~~stop~~step roller. The second device shall consist of any of the following:

(a) A roller switch located above but not in line with the first switch;

(b) A photocell and light source (an "electric eye"); or

(c) A switch activated by a lever, bar, rod, or plate.

(i) If a plate is used, it shall be positioned above the head pulley so it barely clears a passing step.

(ii) If a bar is used, the bar shall be of the "breakaway" type.

(2) The stop device shall stop the lift before a loaded step reaches a point 24 in. above the top terminal landing.

(3) Once the lift has stopped, the automatic stop device shall be manually reset. Therefore, this device shall be located

Commented [CAR(188): Stakeholder proposal. Corrects terminology by changing "stop" roller to "step" roller.

Modifies subparagraph (4) to ensure when devices are used that they must comply with the current standard, as (4)(a)-(c) are already found in the standard. Retain paragraphs (1) through (3) as many of the existing lifts cannot accommodate the three devices required in A90.1.

TAC: 12 approve, 1 oppose, 1 abstained, 1 not voting.
ESAC: 2 approve, 1 abstained.

on the top landing where the person resetting the device has a clear view of both the "up" and "down" runs of the lift; and it shall be impossible to reset from a step.

(4) ~~Electric stop devices shall meet the following requirements.~~ Stop devices shall comply with the requirements found in the current adopted edition of ASME A90.1

~~(a) All electric switches that directly open the main motor circuit shall be multiple type switches;~~

~~(b) Photoelectric devices shall be designed and installed so that failure of the light source, the light sensitive element or any vacuum tube used in the circuit will result in shutting off the power to the driving motor;~~

~~(c) In areas where flammable vapors or dust may be present, all electrical installations shall be in accordance with the NEC requirements for those installations; and~~

~~(d) All controller contacts carrying main motor current shall be copper to carbon types unless the circuit is simultaneously broken at two or more points or the contacts are immersed in oil.~~

[Statutory Authority: Chapter 70.87 RCW. WSR 18-18-070, § 296-96-24457, filed 8/31/18, effective 10/1/18.]

~~WAC 296-96-24460 Emergency stop devices. All belt manlifts shall have emergency stop devices that:~~

Commented [CAR(189)]: Stakeholder proposal.
Repeal as this is found in A90.1.

TAC: 15 approve, 1 abstained.
ESAC: 2 approve, 1 abstain.

~~(1) Are located within easy reach of the "up" and "down" run of the belt;~~

~~(2) Stop power to the lift and apply the lift brake when pulled in the direction of travel;~~

~~(3) Have a treadle switch (manual reset type) that is located below the lowest landing on the belt's "down" side and, if a person fails to get off at the lowest landing, stops the lift and ejects the person from the step as it approaches the boot pulley;~~

~~(4) Are made of cotton rope with a wire center, manila or sisal rope, or metal pipe or tubing. Wire rope cannot be used, unless covered with marlin. Rope stops shall be at least 3/8 in. in diameter; and~~

~~(5) An emergency stop may be used for normal stopping and starting if the lift does not run continuously.~~

[Statutory Authority: Chapter 70.87 RCW. WSR 18-18-070, § 296-96-24460, filed 8/31/18, effective 10/1/18.]

~~**WAC 296-96-24466 Warning signs.** (1) Instructional signs explaining how to use the belt lift shall be:~~

~~(a) Conspicuously posted on each landing or stenciled on the belt;~~

~~(b) Printed in an easily read style with letters at least 1 in. in height;~~

Commented [CAR(190): Stakeholder proposal.
Repeal as this is found in A90.1.

TAC: 15 approve, 1 abstained.
ESAC: 2 approve, 1 abstain.

~~(c) Printed in a color that clearly contrasts with the background surface (for example, white or yellow on black or black on white or gray); and~~

~~(d) Examples of instructional signs are:~~

- ~~• "Face the belt";~~
- ~~• "Use the handhold";~~
- ~~• "To stop Pull rope."~~

~~(2) Warning signs and/or lights shall include an illuminated sign or red warning light announcing the top floor and shall be within easy view of an ascending passenger.~~

~~(a) If a sign, it shall be located no more than 2 ft. above the top terminal landing and printed in block letters (at least 2 in. in height) displaying the words, "Top floor Get off."~~

~~(b) If a red light, it shall have at least a 40-watt rating and be located immediately below the upper terminal landing where it will shine in the belt passenger's face.~~

~~(3) There shall be conspicuous signs on each landing that read, "Employees only Visitors keep off," printed in block letters at least 2 in. in height in a color that sharply contrasts with the background.~~

~~(4) A sign or red light shall be conspicuously posted above the bottom landing announcing its approach. These shall be:~~

~~(a) If a sign, printed in block letters at least 2 in. in height that sharply contrast with the background and reads, "Bottom floor Get off."~~

~~(b) If a light, rated at least 40 watts.~~

~~(5) An electronic warning buzzer shall be installed 5 ft. above the bottom landing on the down side of the belt to warn belt riders of the approaching landing. This warning buzzer shall be automatically activated by load weight on a step.~~

[Statutory Authority: Chapter 70.87 RCW. WSR 18-18-070, § 296-96-24466, filed 8/31/18, effective 10/1/18.]

~~**WAC 296-96-24470 Restricted use of manlifts.**~~ ~~(1) No~~

~~freight or packaged goods may be carried on any manlift;~~

~~(2) No pipe, lumber, or other construction materials may be handled on any manlift; and~~

~~(3) No tools except those which will fit entirely within a pocket of ordinary working clothes may be carried on any manlift, except as follows:~~

~~(a) Tools may be carried in a canvas bag not larger than 11 in. by 13 in.;~~

~~(b) The bag shall have a leather bottom; and~~

~~(c) The bag shall have loops or handles to be carried in the passenger's hand while riding the manlift. Shoulder straps are prohibited.~~

Commented [CAR(191)]: Stakeholder proposal.
Repeal as this is found in A90.1.

TAC: 15 approve, 1 abstained.
ESAC: 2 approve, 1 abstain.

[Statutory Authority: Chapter 70.87 RCW. WSR 18-18-070, § 296-96-24470, filed 8/31/18, effective 10/1/18.]

~~WAC 296-96-24478 Inspection requirements. (1) All manlifts shall be inspected by a qualified person, designated by the lift's owner, at least once every 30 days.~~

~~(2) The inspection shall cover, but is not limited to, the following items:~~

- ~~• Belt and belt tension;~~
- ~~• Bottom (boot) and pulley;~~
- ~~• Brake;~~
- ~~• Clearance;~~
- ~~• Drive pulley;~~
- ~~• Driving mechanism;~~
- ~~• Electrical switches;~~
- ~~• Guardrails;~~
- ~~• Handholds and fastenings;~~
- ~~• Lubrication;~~
- ~~• Motor;~~
- ~~• Pulley supports;~~
- ~~• Rails, rail supports and fastenings;~~
- ~~• Rollers and slides;~~
- ~~• Signal equipment;~~
- ~~• Steps and fastenings;~~
- ~~• Warning signs and lights.~~

Commented [CAR(192): Stakeholder proposal.
Repeal as this is found in A90.1.

TAC: 15 approve, 1 abstained.
ESAC: 2 approve, 1 abstained.

~~(3) A written record shall be kept of results of each inspection, and shall be made available to all inspectors. This information shall be recorded under the monthly portion of the test log required by Appendix A of ASME A90.1 1997.~~

~~(4) For purposes of this section "adequate lighting" means 5 foot candles.~~

[Statutory Authority: Chapter 70.87 RCW. WSR 18-18-070, § 296-96-24478, filed 8/31/18, effective 10/1/18.]

WAC 296-96-24480 ~~Five-year test~~ Additional annual testing

~~requirements. A five year test of the belt manlifts shall be conducted, and the test shall be administered under the following conditions:~~

(1) Qualified people will conduct the test. A qualified person is either:

(a) An elevator mechanic licensed in the appropriate category of the conveyance being tested;

(b) The representative of a firm that manufactured the particular belt manlift who holds a current temporary mechanic's license in this state; or

(c) The representative of a firm that manufactured the particular belt manlift who is working under the direct supervision of an elevator mechanic licensed in the appropriate category of the conveyance being tested.

Commented [CAR(193)]: Stakeholder proposal. A90.1 requires annual testing. There is not a requirement for 5 year tests found in any edition of A90.1. This equipment may run 24 hours a day nonstop and it is a safety hazard not to require the mandated annual test. Retain subparagraph (1) to ensure that testing is performed by a qualified person; repeal subparagraph (3) as this language is covered in A90.1; modify subparagraph (4) to remove the 5 year language and retain the rest. The current A90.1 does not have test tag requirements and it is important to the owner, mechanic, inspector, and end users that testing is being performed.

TAC: 14 approve, 1 oppose, 1 abstained.
ESAC: 2 approve, 1 abstained.

~~(2) The up capacity of the belt manlift shall be tested with 200 lbs. on each horizontal step. During the up run portion of the test the belt manlift shall not show appreciable slip of the belt when standing or running at rated speed.~~

~~(3) The down capacity of the belt manlift shall be tested with 200 lbs. on each horizontal step. During the down run portion of the test the belt manlift shall not show appreciable slip of the belt when standing or running at the rated speed. The brake shall stop and hold the belt with test load within a maximum of 24 in. of travel.~~

(42) ~~After the five year test has been performed a~~ A tag indicating the date of the test and name of the company performing the test shall be attached in a visible area of the drive motor machine. The tag shall have all applicable ASME A90.1, 8.1 test descriptions and code references.

[Statutory Authority: Chapter 70.87 RCW. WSR 18-18-070, § 296-96-24480, filed 8/31/18, effective 10/1/18.]

Subpart ~~XI~~II

~~Special Purpose Elevators~~

~~(Formerly Known as Electric Manlifts)~~

WAC 296-96-24500 Scope. (1) These requirements apply to

~~special purpose personnel elevators~~ electric manlifts installed prior to January 1, 1999, in facilities in which agricultural products are stored, food products are processed, goods are

Commented [CAR(194): Stakeholder proposal. Housekeeping for consistency with terminology.

TAC and ESAC approved.

Commented [CAR(195): Stakeholder proposal. Subparagraph (1) – Electrical manlifts cannot be renamed as a special purpose elevator. These elevators are still in use and do require repairs and, in some instances, an alteration. By referring them as special purposes elevators any alteration would require that the lift be removed in its entirety as they cannot comply with ASME A17.1 Section 8.7. This also causes a problem with rack and pinion special purpose elevator that are installed in these types of locations that were designed and installed in accordance with ASME A17.1-5.3 special purpose elevators. This rule section requires that all lifts be suspended by two hoist ropes, for example, and other requirements are less stringent than A17.1. Subparagraph (2) – Remove “personnel” as they are referred to as Special Purpose Elevators in ASME A17.1-5.3.

TAC: 14 approve, 1 oppose, 1 abstained. (friendly amendment passed to read: “requirements for a special purpose elevator found in 5.7”. TAC: 15 approve, 1 abstained.) ESAC supports, no opposed.

manufactured, energy is generated, or similar industrial or agricultural processes are performed.

(2) Where a special purpose personnel elevator was installed after January 1, 1999, the conveyance shall comply with the [requirements for a special purpose elevator found in the](#) edition of ASME A17.1 or A17.1/B44 [Section 5.7](#) that was in effect at the time.

[Statutory Authority: Chapter 70.87 RCW. WSR 18-18-070, § 296-96-24500, filed 8/31/18, effective 10/1/18.]

WAC 296-96-24516 Maintenance requirements. (1)

Examinations, in compliance with WAC 296-96-23605, are to be performed and documented in the maintenance and testing records.

Test tag(s) shall be attached to a wall inside the cab (car enclosure).

(2) Owners of electric manlifts are responsible for ensuring that:

(a) ~~Elevators~~ [Manlifts](#) and their parts are maintained in a safe condition;

(b) All devices and safeguards required by these regulations are maintained in good working order; and

(c) Maintenance, ~~examinations,~~ and safety tests ~~be~~ [are](#) performed and documented to the ~~applicable~~ [requirements found in ASME A17.1 Section 8.6 as applicable to the](#) sections of WAC 296-96-24519 through 296-96-24560.

Commented [CAR(196): Stakeholder proposal. Removes "examinations" in (2)(c) as this is stated in (1). Adding the reference to A17.1 – 8.6 will clarify that maintenance and testing is to be performed in compliance with the applicable parts.

TAC: 14 approve, 2 oppose.
ESAC supports, no oppose.

[Statutory Authority: Chapter 70.87 RCW. WSR 18-18-070, § 296-96-24516, filed 8/31/18, effective 10/1/18.]

WAC 296-96-24528 Car doors and gates. All ~~elevators~~

electric manlifts shall have car doors, except on fully enclosed hoistways equipped with hoistway gates and enclosed from the top of the hoistway opening to the ceiling on the landing side.

(1) Car doors shall be:

(a) Constructed of solid or perforated material capable of resisting a 75 lb. thrust without deflecting 1/4 in. If perforated material is used, it shall reject a 1 in. diameter ball.

(b) Biparting or otherwise horizontally swung provided the door swings within the elevator car.

(c) All car doors or gates equipped with an electric contact.

(d) An electrical and mechanical interlock provided when a safe means of self-evacuation (a ladder) is not provided.

~~(2) Interlocks or a combination consisting of mechanical locks and electric contacts shall be provided on car gates on elevators in unenclosed hoistways unless a safe means of self-evacuation is provided. Such means shall be approved by the department.~~

Commented [CAR(197)]: Stakeholder proposal.

(c) add this switch to ensure that the car door/gate, when opened, will not allow the elevator to run.

(i) Add this type of switch to ensure that the car door/gate cannot be opened when an emergency ladder is not provided. (2) is not needed as (c) and (i) provide more clarity.

TAC: 10 approve, 1 oppose, 5 abstained.
ESAC supports, no opposed.

[Statutory Authority: Chapter 70.87 RCW. WSR 18-18-070, § 296-96-24528, filed 8/31/18, effective 10/1/18.]

WAC 296-96-24537 Suspension means.

(1) There shall be at least 2 hoisting ropes. Each rope shall be:

(~~1~~a) Made of a good grade of elevator traction wire rope;

(~~2~~b) At least 3/8 in. in diameter and possessing a safety factor of 5;

(~~3~~c) Fastened by babbitted tapered elevator sockets or other acceptable methods. If cable clamps are used, a minimum of 3 fist grip or equivalent clamps shall be provided. U-shaped clamps shall not be acceptable.

Commented [CAR(198): Department change. Housekeeping changes for formatting.

(2) The car platform shall not be more than 6 in. ¹¹/₁₆ above the top landing when the counterweight buffer is fully compressed. The counterweight shall be a minimum of 150 mm (6 in.) from the deflector sheave when the car buffer is fully compressed.

Commented [CAR(199): Stakeholder proposal. Subparagraph (4) was removed from the original rule language and needs to be reinserted to ensure proper run by. Includes minor changes for reformatting.

TAC: 15 approve, 1 abstained.
ESAC supports, no oppose.

[Statutory Authority: Chapter 70.87 RCW. WSR 18-18-070, § 296-96-24537, filed 8/31/18, effective 10/1/18.]

WAC 296-96-24543 Car safeties. All cars suspended or operated from overhead machinery shall be equipped with an approved car safety capable of stopping and holding the car while carrying its rated load.

(1) Car safeties shall be mechanically operated and not be affected by any interruptions in the electrical circuit.

(2) Car safeties and governor controlled safeties shall operate automatically and the control circuit shall be interrupted in the event the safeties set.

(3) All ~~special purpose elevators~~ electric manlifts shall be equipped with an overspeed governor that shall not exceed 175 ft./min. and shall deenergize the brake control and motor drive circuits simultaneously when the car safety mechanism is activated.

(4) Winding drum type machines shall have a manual-reset slack rope device that interrupts the drive motor and brake circuits.

~~(5) Separate safety tags shall be used to distinguish the no load annual safety test and the five year full load test.~~

[Statutory Authority: Chapter 70.87 RCW. WSR 18-18-070, § 296-96-24543, filed 8/31/18, effective 10/1/18.]

WAC 296-96-24553 Drive machines. (1) ~~Elevator~~ machines electric manlifts shall be driven by approved-type units.

(a) On direct drive or approved worm gear driven type, a mechanically actuated, electrically released brake shall be installed on the driving unit.

Commented [CAR(200)]: Stakeholder proposal. Subparagraph (3) removes the reference to special purpose as these are electric manlifts. Subparagraph (5) removes the language as it does not belong in this requirement.

TAC: 14 approve, 2 abstained.
ESAC supports, no oppose.

Commented [CAR(201)]: See rationale above.

Commented [CAR(202)]: Stakeholder proposal. Subparagraph (7). This was changed from the original proposal and must be reinserted as many of these lifts have the motor located at the top and the controller located elsewhere.

TAC: 9 approve, 3 oppose, 4 abstained. (friendly amendment to reinsert the word "provided" in subparagraph (7) and add the word "and". TAC: 13 approved, 3 abstained.)

ESAC supports, no opposed.

(b) On V belt driven types, a minimum of 4 belts, 1/2 in. minimum size, shall be used to transmit power from the motor to the drive shaft and a mechanically activated, electrically released brake shall be installed on the final drive shaft.

(c) All winding drum machine type elevators shall be equipped with top and bottom final limit switches.

(2) Wherever practical, ~~elevator~~ drive machines shall be installed on the top side of the supporting structure.

(3) All components of the driving mechanism and parts subject to stress involved in suspending the load or related equipment shall be designed to withstand 8 times the total weight to be suspended, including load, counterweight, car and cables.

(4) Gears shall be made of steel or equivalent material. Cast iron gears are prohibited.

(5) A working platform, with railings complying with the applicable requirements adopted according to chapter 49.17 RCW, shall be provided to allow for safely working on equipment.

(6) A light with a switch shall be located near the elevator driving machine or the machinery space.

(7) A means to lockout/tagout the ~~elevator~~ manlift equipment shall be provided and located near the driving machine or machine space.

(8) The ~~elevator~~ manlift machinery shall be protected from the weather.

(9) All sheaves shall be appropriately guarded per the requirements adopted according to chapter 49.17 RCW.

[Statutory Authority: Chapter 70.87 RCW. WSR 18-18-070, § 296-96-24553, filed 8/31/18, effective 10/1/18.]

WAC 296-96-24560 Additional applicable requirements.

(1) Car speeds shall not exceed 125 ft./min.

(2) Alterations shall conform with the applicable requirements in WAC 296-96-24519 through WAC 296-96-24557.

~~(1)~~ (3) Electric manlift controls and disconnects shall be accessible and labeled.

[Statutory Authority: Chapter 70.87 RCW. WSR 18-18-070, § 296-96-24560, filed 8/31/18, effective 10/1/18.]

Subpart ~~XI~~ III

~~Hand Elevators~~

~~(Previously Called Hand-Powered Manlifts)~~

WAC 296-96-24600 Scope. This section covers ~~elevators~~ hand-powered manlifts that have the capacity of 1 person and are installed in a facility prior to January 1, 1999, in which agricultural products are stored, food products are processed, goods are manufactured, energy is generated, or similar industrial or agricultural processes are performed.

Commented [CAR(203): Stakeholder proposal. Subparagraph (2) – This was left off from the original proposal. This is to clarify that alterations be performed to meet the WAC standard as it is not possible to meet the requirements in A17.1-8.7.

Subparagraph (3) – This was left off from the original proposal. This is to ensure worker safety regarding access to, around, and identifying controls and disconnects for these types of elevators.

TAC: 13 approve, 1 oppose, 2 abstained.
ESAC supports, no oppose.

Commented [CAR(204): Department change. Housekeeping change to keep headings and numbers of sections in sequence.

Commented [CAR(205): Stakeholder proposal. These are hand-powered manlifts not to be confused with hand elevators as found in A17.1-4.3.

TAC: 13 approve, 3 abstained.
ESAC supports, no oppose.

[Statutory Authority: Chapter 70.87 RCW. WSR 18-18-070, § 296-96-24600, filed 8/31/18, effective 10/1/18.]

WAC 296-96-24611 Maintenance and test requirements. (1)

Maintenance and tests shall comply with the applicable requirements found in ASME A17.1/CSA B44, Section 8.6.

(a) Test tag(s) shall be attached to the inside of the car.

(b) ~~Hand elevators~~ Manlifts with wooden rails shall be safety tested with no load annually. There is not a full load testing requirement.

(2) Qualified people shall conduct the test. A qualified person is either:

(a) An elevator mechanic licensed in the appropriate category for the conveyance being tested;

(b) The representative of a firm that manufactured the particular conveyance and who holds a current temporary mechanic's license in this state; or

(c) The representative of a firm that manufactured the particular conveyance who is working under the direct supervision of an elevator mechanic licensed in the appropriate category for the conveyance being tested.

(3) Examinations, in compliance with WAC 296-96-23605, are to be performed and documented in the maintenance and testing records.

Commented [CAR(206)]: Stakeholder proposal.

Clarifies that these are manlifts and that safety tests on wooden rails is to be done with no load in the car. This follows the exception for Category 1 and 5 testing requirements found in A17.1 regarding wooden rails. Excerpt from ASME A17.1 (Category 5) Rule 8.6.4.20.1 Car and Counterweight Safeties.

(a) Rated Load and Rated Speed Test. Car safeties, except those operating on wood guide rails, and their governors, shall be tested with rated load in the car. Counterweight safety tests shall be made with no load in the car. Tests shall be made by tripping the governor by hand at the rated speed. The following operational conditions shall be checked (item 2.29.2).

TAC: 15 approve, 1 abstained.
ESAC supports, no oppose.

[Statutory Authority: Chapter 70.87 RCW. WSR 18-18-070, § 296-96-24611, filed 8/31/18, effective 10/1/18.]

WAC 296-96-24630 Habitable space beneath the car and counterweight. There shall not be habitable space below an elevator hoistway or counterweight shaft unless the floor above the space can withstand ~~the impact of a freely falling car with rated load or counterweight~~ an impact 125 percent greater than the impact generated by a free falling car with rated load or the counterweight falling from the full height of the hoistway.

[Statutory Authority: Chapter 70.87 RCW. WSR 18-18-070, § 296-96-24630, filed 8/31/18, effective 10/1/18.]

WAC 296-96-24670 Hoistway requirements. (1) Escape ladders shall be installed and shall extend the full length of the hoistway.

(a) Ladders shall be installed in a manner to provide access to an emergency exit and shall be located in a position so that in an emergency a person can safely transfer from the car platform to the ladder.

Note: Transfer is considered safe when a person can maintain 3 points of contact while making the transfer.

(b) An "IMPAIRED CLEARANCE" sign shall be posted at the bottom of a ladder when the face of the ladder is less than 30 in. from any structure.

Commented [CAR(207): Stakeholder proposal. This language came from the electric manlift section. It makes better sense and creates consistency.

TAC: 13 approve, 3 abstained.
ESAC supports, no oppose.

(2) The minimum clearance between a car side and the hoistway enclosure is 1 in.

(3) The clearance between a car platform and a landing sill shall be at least 1/2 in. but not more than 1 1/2 in.

(4) Adequate lighting shall be installed and operating in the path of travel.

Note: For the purpose of this section, adequate lighting shall be 5 fc.

[Statutory Authority: Chapter 70.87 RCW. WSR 18-18-070, § 296-96-24670, filed 8/31/18, effective 10/1/18.]

Subpart ~~XIIIV~~

Casket Lifts

Note: As a minimum, all such lifts currently installed shall comply with this section. These conveyances are intended to be used only in mortuaries where moving of caskets is necessary. New casket lifts shall comply with either ASME A17.1/CSA B44 Part 7 or with this chapter, Part C1.

REPEALED

WAC 296-96-02470	Fireman's service for groups of four or more.
WAC 296-96-02471	Emergency personnel lock box.
WAC 296-96-11080	Five-year test.
WAC 296-96-20005	Applicable codes and standards.
WAC 296-96-23118	Car top railings for hydraulic elevators.
WAC 296-96-24416	Landings.
WAC 296-96-24419	Landing guards and cones.
WAC 296-96-24422	Guarding of entrances and exits.
WAC 296-96-24425	Guarding of floor openings.
WAC 296-96-24428	Guarding of floor landings.
WAC 296-96-24431	Bottom landings.
WAC 296-96-24434	Top clearances.
WAC 296-96-24437	Emergency exit ladders.

Commented [CAR(208): Stakeholder proposal. Adds a new subsection for user safety to ensure that users are not operating in the dark.

TAC: 15 approve, 1 opposed, (friendly amendment passed to add: "adequate lighting must be installed and operating in the path of travel to subparagraph (4). TAC: 15 approve, 1 opposed).

ESAC supports, no oppose.

Commented [CAR(209): Department change. Housekeeping change to keep headings and numbers of sections in sequence.

[WAC 296-96-24440](#)

[WAC 296-96-24445](#)

[WAC 296-96-24448](#)

[WAC 296-96-24451](#)

[WAC 296-96-24454](#)

[WAC 296-96-24460](#)

[WAC 296-96-24466](#)

[WAC 296-96-24470](#)

[WAC 296-96-24478](#)

[Lighting.](#)

[Drive machines.](#)

[Operating speed.](#)

[Step requirements.](#)

[Handholds.](#)

[Emergency stop devices.](#)

[Warning signs.](#)

[Restricted use of manlifts.](#)

[Inspection requirements.](#)

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