

Chapter SPS 318

ELEVATORS, ESCALATORS, AND LIFT DEVICES

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Note: Chapter Ind 4 as it existed on August 31, 1988 was repealed and a new chapter ILHR 18 was created effective September 1, 1988. Chapter ILHR 18 was renumbered to be chapter Comm 18 under s. 13.93 (2m) (b) 1., Stats., and corrections made under s. 13.93 (2m) (b) 6. and 7., Stats., Register, October, 1996, No. 490. Corrections were made under s. 13.93 (2m) (b) 6., Stats., Register, April, 1998, No. 508. Chapter Comm 18 as it existed on November 30, 1999 was repealed and a new chapter Comm 18 was created effective December 1, 1999. Chapter Comm 18 as it existed on March 31, 2004, was repealed and a new chapter Comm 18 was created, Register March 2004 No. 579, effective April 1, 2004. Subchapters II to IV of chapter Comm 18 as they exist on December 31, 2008, are repealed and new subchapters II to IV are created Register June 2008 No. 630, effective January 1, 2009. Chapter Comm 18 was renumbered chapter SPS 318 under s. 13.92 (4) (b) 1., Stats., Register December 2011 No. 672; Chapter SPS 318 as it existed on August 31, 2014 was repealed and a new chapter SPS 318 was created Register August 2014 No. 704, effective September 1, 2014.

Subchapter I — Scope and Application

SPS 318.1001 Purpose. Pursuant to ss. 101.982 and 101.983, Stats., the purpose of this chapter is to establish minimum safety standards for the design, construction, installation, operation, inspection, testing, maintenance, alteration, repair, and replacement of conveyances.

History: CR 03-047: cr. Register March 2004 No. 579, eff. 4-1-04; CR 08-030: am. Register December 2008 No. 636, eff. 1-1-09; CR 14-020: r. and recr. Register August 2014 No. 704, eff. 9-1-14.

SPS 318.1002 Scope. This chapter applies to conveyances as defined in s. SPS 318.1004 (10).

History: CR 14-020: cr. Register August 2014 No. 704, eff. 9-1-14.

SPS 318.1003 Application. (1) **RETROACTIVITY.** (a) The design, construction, and installation rules of this chapter, including the acceptance-inspection requirements and the applied criteria from the standards adopted in s. SPS 318.1005, do not apply retroactively to conveyances existing prior to the effective date of the rule unless specifically stated in the administrative rule or standard.

(b) 1. The operation, testing, maintenance, and periodic inspection requirements of this chapter apply to all conveyances

that exist on or after June 1, 2020, except as provided in subd. 2. and pars. (c) to (e).

2. The provisions of subd. 1. do not apply to a conveyance with a contract date of prior to January 1, 2009, that serves a dwelling unit.

Note: Although the provisions of subdivision 1. do not apply as stated above, these conveyances are subject to the requirements in section 101.983 (3) of the Statutes, which reads as follows: "If the owner and a prospective buyer of an individual residential dwelling unit that is served by a dumbwaiter or an elevator enter into a contract of sale for the unit that includes a provision requiring that the dumbwaiter or elevator be inspected, the inspection shall be performed by an elevator inspector licensed under s. 101.985 (3)."

(c) 1. The design, construction, and installation requirements of this chapter, including the acceptance-inspection requirements apply to any alterations, repairs, and replacement parts or components for any conveyance that have a contract date of on or after June 1, 2020, except as provided in subd. 2., par. (e), and sub. (1m).

Note: See section SPS 318.1007 (3) for further information about plan review for alterations and replacements.

2. The provisions of subd. 1. do not apply to a conveyance with a contract date of prior to January 1, 2009, that serves a dwelling unit.

Note: A proposed alteration for an existing conveyance may necessitate modifying other components of the conveyance to make the proposed alteration comply with this chapter — and some alterations may necessitate modifying other features of a building that must comply with requirements in chapters SPS 320 to 325, the Wisconsin Uniform Dwelling (One- and Two-Family Dwelling) Code, and chapters SPS 361 to 366, the Wisconsin Commercial Building Code.

(e) Periodic inspections are not required under this chapter for any conveyances that receive periodic inspections by United States government inspectors.

(1m) **EXCLUSIONS.** This chapter does not apply to any conveyances for any of the following buildings or structures:

(a) 1. Buildings or structures located on Indian reservation land that are held either in trust by the United States, or in fee by the tribe or a tribal member.

2. Buildings or structures which are located on off-reservation Indian land that is held in trust by the United States – and which are held either in trust by the United States, or in fee by the tribe or a tribal member.

(b) Buildings and portions of buildings that are federally owned or exempted by federal statutes, regulations, or treaties.

(c) Portions of buildings leased to the federal government provided all of the following conditions are met:

1. A statement is recorded with the register of deeds that describes the steps necessary for compliance to this chapter if the space is converted to a nonexempt use.

2. The statement recorded with the register of deeds is recorded in a manner that will permit the existence of the statement to be determined by reference to the property where the building is located.

3. The owner of the building submits a copy of the recorded document to the department or its authorized representative.

(d) Buildings and structures that are on a farm premises and used primarily for purposes relating to farming or livestock, provided any use of the building or structure by the public consists only of consumers directly using the livestock or receiving farm commodities, substantially all of which have been produced on the farm premises. In this paragraph, “substantially all” means at least 90 percent of the commodities have been planted or produced on the farm premises.

(2) **DIFFERING RULES.** (a) Where any department-written rule in this chapter differs from a requirement within a standard referenced in this chapter, the department-written rule shall govern.

(b) Where a provision of this chapter prescribes a general requirement and another provision of this chapter prescribes a specific or more detailed requirement regarding the same subject, the specific or more detailed requirement shall govern, except as provided in par. (a).

(c) Where different sections of this chapter specify conflicting requirements, the most restrictive requirement, as determined by the department, shall govern, except as provided in pars. (a) and (b).

(3) **INTERPRETATIONS.** Under s. 101.02 (1), Stats., the department reserves the right to interpret the requirements in this chapter and in all adopted codes and standards adopted under s. SPS 318.1005.

History: CR 14–020: cr. Register August 2014 No. 704, eff. 9–1–14; CR 19–118: am. (1) (b) 1., (c) 1., renum. (1) (d) to (1m), cr. (1m) (title), (1m) (d), r. (4) Register May 2020 No. 773, eff. 6–1–20.

Subchapter II — Definitions and Standards

SPS 318.1004 Definitions. In this chapter:

(1) “Agent municipality” means any municipality designated as an agent of the department under s. SPS 318.1012 (1) (a).

(2) “Alteration” means any change to equipment, including its parts, components, or subsystems, other than maintenance, repair, or replacement.

(3) “Approved” means acceptable to the department.

(4) “ANSI” means the American National Standards Institute.

(4m) “ANSI E1.42” means ANSI E1.42–2018, *Entertainment Technology – Design, Installation, and Use of Orchestra Pit Lifts*, as adopted under s. SPS 318.1005 (1) and modified by this chapter.

(5) “ASME” means the American Society of Mechanical Engineers.

(6) “ASME A17.1” means ASME A17.1–2016/CSA B44–16, *Safety Code for Elevators and Escalators*, as adopted under s. SPS 318.1005 (1) and modified by this chapter.

(7) “ASME A18.1” means ASME A18.1–2017, *Safety Standard for Platform Lifts and Stairway Chairlifts*, as adopted under s. SPS 318.1005 (1) and modified by this chapter.

(8) “Building code” means chs. SPS 361 to 366, which is the Wisconsin Commercial Building Code.

Note: The Wisconsin Commercial Building Code, chapters SPS 361 to 366, adopts by reference the *International Building Code*® (IBC), the *International Energy Conservation Code*® (IECC), the *International Mechanical Code*® (IMC), the *International Fuel Gas Code*® (IFGC), and the *International Existing Building Code*® (IEBC). Chapter SPS 314, Fire Prevention Code, may have rules that may affect the maintenance and use of an existing building.

(9) “Contract date” means the date of a written contract between an owner or owner’s agent, and an elevator contractor who is so licensed under ch. SPS 305, under which a conveyance has been or is to be installed or is to undergo an alteration, repair, or replacement.

(10) “Conveyance” means the following types of devices, as they are subsequently defined:

(ag) “Dumbwaiter” has the meaning as given in s. 101.981 (1) (d), Stats.

(ar) “Elevator” has the meaning as given in s. 101.981 (1) (e), Stats.

(as) “Escalator” has the meaning as given in s. 101.981 (1) (f), Stats.

(c) “Freight elevator” means an elevator used primarily for carrying freight and on which only the operator and the persons necessary for unloading and loading the freight are permitted to ride.

(d) “Inclined platform lift” means a powered hoisting and lowering mechanism designed to transport persons with physical disabilities on a guided platform that travels on an incline.

(e) “Limited-use, limited-application elevator” means a power passenger elevator in which the use and application is limited by size, capacity, speed, and rise.

(f) “Moving walk” means a type of passenger-carrying device on which passengers stand or walk, and in which the passenger-carrying surface remains parallel to its direction of motion and is uninterrupted.

(g) “Orchestra pit lift” means a permanent powered hoisting and lowering mechanism which is within or adjacent to a theatrical or musical stage and which is intended to accommodate performers and their equipment. “Orchestra pit lift” includes orchestra elevators and stage elevators.

(h) “Part V elevator” means an elevator of the private-residence type serving a commercial building and having a contract date of between September 1, 1988, and April 1, 2004.

(i) “Passenger elevator” means an elevator used primarily to carry persons other than the operator and persons necessary for loading and unloading. This term does not include limited-use, limited-application elevators, elevators in dwelling units, orchestra pit lifts, special purpose personnel elevators, sidewalk elevators, rooftop elevators, and type B material lifts.

(j) “Private residence elevator” means a power passenger elevator which is limited in size, capacity, rise, and speed, and which is installed to provide access to or within an individual dwelling unit.

(k) “Rooftop elevator” means a power passenger or freight elevator operating between a landing at roof level and other landings, and that opens onto the exterior roof level of a building through a horizontal opening.

(L) “Sidewalk elevator” means a device with on-car controls for the raising or lowering of materials operating between a landing in a sidewalk or other exterior area and floors below the sidewalk or grade level and that opens onto the exterior area through a horizontal opening.

(m) “Special purpose personnel elevator” means an elevator that is to provide vertical transportation of authorized personnel and their tools and equipment only; is limited in size, capacity, and speed; and is permanently installed in any of the following structures:

1. Antenna towers.
2. Assembly facilities, such as installations providing access to catwalks or equipment.
3. Breweries.
4. Bridge towers.
5. Dams.
6. Feed or grain facilities.
7. Mine-product drying facilities.
8. Observatories.
9. Paper mills.
10. Power plants.
11. Refineries.
12. Underground facilities, excluding mine-shaft elevators.
13. Wastewater treatment structures.

(o) “Stairway chairlift” means a powered hoisting and lowering mechanism that is guided and equipped with a seat to transport a passenger along a stairway.

(om) “Type B material lift” means a powered hoisting and lowering mechanism used for carrying material and on which only the operator or the person necessary for unloading and loading the material is permitted to ride.

(p) “Vertical platform lift” means a powered hoisting and lowering mechanism designed to transport mobility-impaired persons on a guided platform that travels vertically.

(11) “Department” means the department of safety and professional services.

(12) “Dwelling unit” has the meaning given in s. 101.61 (1), Stats.

(12e) “Electrical code” means ch. SPS 316, which is the Wisconsin Electrical Code.

(12m) “First-aid treatment” has the meaning given to “first aid” in 29 CFR 1904.7 (b) (5) (ii), regardless of who is providing the treatment.

(12s) “Hoistway” means a shaft or opening through a building or structure for the travel of elevators, dumbwaiters, or material lifts, extending from the pit floor to a ceiling above.

(13) “Licensed elevator inspector” means an individual who holds a valid credential issued by the department under ch. SPS 305 as an elevator inspector.

(14) “Maintenance” means a process of routine examination, lubrication, cleaning, and adjustment of parts, components, or subsystems for the purpose of ensuring performance in accordance with the applicable requirements of this chapter.

(15) “Repair” means the reconditioning or renewal of parts, components, or subsystems necessary to keep equipment in compliance with the applicable requirements of this chapter.

(16) “Replacement” means the substitution of a device, component, or subsystem, in its entirety, with a unit that is basically the same as the original for the purpose of ensuring performance in accordance with the applicable requirements of this chapter.

History: CR 14-020: cr. Register August 2014 No. 704, eff. 9-1-14; CR 19-118: cr. (4m), am. (6), (7), renum. (10) (a) to (10) (ar), cr. (10) (ag), am. (10) (g), (i), (L), r. (10) (n), cr. (10) (om), (12e), (12m), (12s) Register May 2020 No. 773, eff. 6-1-20.

SPS 318.1005 Adoption of standards by reference.

(1) **PRIMARY STANDARDS.** The following standards are hereby incorporated by reference into this chapter, subject to the modifications specified in this chapter:

(a) *Safety Code for Elevators and Escalators, ASME A17.1-2016/CSA B44-16.*

(b) *Safety Standard for Platform Lifts and Stairway Chairlifts, ASME A18.1-2017.*

(c) *Entertainment Technology-Design, Installation, and Use of Orchestra Pit Lifts, ANSI E1.42-2018.*

(2) **SECONDARY REFERENCES.** Any codes or standards referenced in the standards adopted in sub. (1) shall apply to the prescribed extent of each such reference, except as modified by this chapter.

(3) **ALTERNATE STANDARDS.** Any alternate standard that is equivalent to or more stringent than a standard incorporated by reference or otherwise referenced under this chapter may be used in lieu of the incorporated or referenced standard if the alternate standard is accepted in writing by the department.

History: CR 14-020: cr. Register August 2014 No. 704, eff. 9-1-14; CR 19-118: am. (1) (intro), (a), (b), cr. (c) Register May 2020 No. 773, eff. 6-1-20.

Subchapter III — Administration and Enforcement

SPS 318.1006 Fees. Fees for plan review, permit application, inspection, permit to operate, and other services performed by the department pertaining to elevators, escalators, and lift devices shall be as determined in ch. SPS 302.

History: CR 03-047: cr. Register March 2004 No. 579, eff. 4-1-04; CR 07-089: am. Register June 2008 No. 630, eff. 1-1-09; correction made under s. 13.92 (4) (b) 7., Stats., Register December 2011 No. 672; CR 14-020: r. and recr. Register August 2014 No. 704, eff. 9-1-14.

SPS 318.1007 Plan review and approval.

(1) **APPROVALS.** (a) 1. Before commencing the construction or installation of a conveyance, an approval shall be obtained from the department or agent municipality within whose boundaries the conveyance is to be located.

2. Before commencing an alteration of an existing conveyance as delineated in Tables SPS 318.1007-1 to 318.1007-4, an approval shall be obtained from the department or agent municipality within whose boundaries the conveyance is located.

(b) Pursuant to s. 101.983 (1) (a), Stats., the approval issued by the department or agent municipality shall be considered a permit.

(2) **NEW INSTALLATIONS.** (a) *Number of plans.* 1. When seeking an approval from the department, at least 3 copies of plans and one set of specifications shall be submitted for review for a new conveyance installation, except as provided in subd. 2.

2. In lieu of 3 copies of an installation plan, a plan in an electronic format acceptable to the department may be submitted.

Note: An acceptable electronic format does not include a facsimile.

(b) *Level of detail.* An installation plan submitted for review shall be of sufficient clarity and detail to show how the proposed design will conform to this chapter.

(c) *Material to submit.* 1. ‘Plan submittals.’ A plan submittal to the department for installation approval shall be accompanied by all of the following:

a. At least 3 copies of the completed application, on an approved form.

Note: Forms required under this chapter are available on the department’s website at <https://dps.wi.gov>, or by request from the Department of Safety and Professional Services, P. O. Box 7302, Madison, Wisconsin 53708, or call (608) 266-2112.

b. A plan review fee.

c. An acceptance-inspection fee.

d. The initial permit-to-operate fee.

e. Sufficient information, calculations, or data to substantiate compliance with this chapter.

2. ‘Elevators or dumbwaiters.’ For an elevator or dumbwaiter, submittals shall include the information in the layout-drawings section in the applicable Part of ASME A17.1, and at least all of the following:

a. A plan of the car and hoistway showing all clearances, including all inside car or platform dimensions, as specified in this chapter and the building code.

b. A plan of the machine room, control room, or control space showing clearances around the machine, controller, and disconnecting means, as specified in this chapter, the building code, and the electrical code, where applicable.

c. A cross-section through the hoistway, pit, and car, showing all applicable dimensions.

d. The size and weight per foot of guidrails and details of their support, including reinforcements where required.

e. Landings indicating types of hoistway doors or gates.

3. 'Escalators or moving walks.' For an escalator or moving walk, plans submitted for review shall include all of the following:

a. A plan view showing step, pallet, or belt-treadway width and machine-space clearances.

b. An elevation view showing all applicable dimensions.

Note: Under this subdivision, if the scope of work for an escalator includes a replacement of the majority of internal parts, the work is considered to be a new installation even if a majority of the truss is retained.

4. 'Vertical platform lifts.' For a vertical platform lift, plans submitted for review shall include all of the following:

a. A plan of the platform enclosure and runway including all inside platform dimensions and clearances specified in this chapter and the building code where applicable.

b. A section through the runway, pit, and platform showing all dimensions and clearances.

c. Landings indicating types of runway doors or gates. Where manual doors or gates are provided, plans showing the clearances at manual doors or gates meeting the building code.

5. 'Inclined platform lifts or stairway chair lifts.' For an inclined platform lift or stairway chair lift, plans submitted for review shall include the following:

a. A plan of the lift shown in its unfolded operational position at each landing and on the stairway with egress past the lift dimensioned.

b. A section through the stairway or runway showing clearances to steps and overhead with the lift in its unfolded, usable position.

c. A calculation of egress width past the lift meeting the building code, prepared by a licensed architect or engineer, or evidence such calculation has been approved by the building code authority.

(3) SCOPE OF ALTERATIONS, REPAIRS, AND REPLACEMENTS. (a) For proposed alterations, repairs, or replacements listed in Table SPS 318.1007-1 Items 1. to 4. and Tables SPS 318.1007-2, 318.1007-3, and 318.1007-4, all of the following shall be submitted with the request for approval:

1. At least 3 copies of the completed application, on an approved form, if the submittal is to the department.

Note: Forms required under this chapter are available on the department's website at <https://dsps.wi.gov>, or by request from the Department of Safety and Professional Services, P. O. Box 7302, Madison, Wisconsin 53708, or call (608) 266-2112.

2. At least 3 copies of bound equipment layout plans and specifications that conform to the applicable sections in ASME A17.1 or ASME A18.1.

3. A plan review fee.

4. An acceptance-inspection fee.

Note: See chapter SPS 302 for the amount of the fee remitted to the department when a conveyance plan is filed.

5. Sufficient data and information to determine if the proposed alteration complies with the requirements of this chapter.

(b) For proposed alterations listed in Table SPS 318.1007-1 Items 5. to 33., all of the following shall be submitted with the request for approval:

1. At least 3 copies of the completed application, on an approved form, if the submittal is to the department.

2. A plan review fee.

3. An acceptance-inspection fee.

4. Sufficient data and information to determine if the proposed alteration complies with this chapter.

Table SPS 318.1007-1
Elevators and Orchestra Pit Lifts

Item	Scope of Work
1.	Alteration or replacement of hoistway enclosure walls, pit, or ceiling; or to number or location of landings served
2.	Alteration of machine-room, machinery-space, control-room, or control-space walls, floor, ceiling, or entrance; or to location of machinery
3.	Alteration of passenger elevator to freight type, or freight to passenger type
4.	Alteration of loading class for a freight elevator
5.	Alteration of traction driving machine, motor, sheave, driving machine brake, or emergency brake
6.	Replacement of entire driving machine, driving machine brake, or emergency brake
7.	Installation of a fire sprinkler in a machine room, machinery space, control room, control space, or top of hoistway
8.	Increase in loading of more than 5% to machinery, beams, supports, or foundations
9.	Alteration of hoistway door or gate
10.	Alteration of hoistway-door interlock or combination mechanical lock and contacts
11.	Alteration of a solely contact type to another type of reopening device on an elevator with firefighters' emergency operation
12.	Increase or decrease of more than 5% of the total load of car deadweight plus rated load
13.	Increase or decrease in rated load
14.	Increase or decrease in speed of more than 5%
15.	Alteration or replacement of safety device
16.	Alteration or replacement of overspeed governor
17.	Alteration or addition of an emergency brake or device protecting against unintended movement or ascending car overspeed
18.	Alteration to suspension material, grade, number or size as defined in ASME A17.1 sections 8.7.2.21 and 8.7.3.25
19.	Increase in stresses of more than 5% to guidrails, supports, and fastenings
20.	Alteration to type or location of car or counterweight buffer or bumper
21.	Alteration to type of terminal stopping device
22.	Alteration to or addition of a top-of-car operating device

23.	Replacement of controller
24.	Alteration to type of motion control
25.	Alteration to type of operation control
26.	Addition of emergency or standby power system
27.	Alteration to or addition of firefighters' emergency operation system
28.	Alteration to or addition of auxiliary power supply raising or lowering operation
29.	Replacement or addition of a plunger gripper
30.	Replacement of a complete hydraulic pumping unit including motor, pump, and tank
31.	Alteration or replacement of hydraulic control valve
32.	Alteration or replacement of hydraulic plunger or cylinder
33.	Increase in hydraulic working pressure of more than 5%
34.	Removal or disabling of devices subject to ASME A17.1 section 8.6.1.7.5

Table SPS 318.1007-2
Escalators and Moving Walks

Item	Scope of Work
1.	Alteration or repair of truss
2.	Alteration to rated speed or installation of speed varying system
3.	Installation or addition of skirt brushes
4.	Alterations to safety component or safety switch as defined in ASME A17.1 sections 6.1.6.3 and 6.2.6.3, 'Electrical protective device'

Table SPS 318.1007-3
Dumbwaiters and Type B Material Lifts

Item	Scope of Work
1.	Increase or decrease in rated load
2.	Increase or decrease in speed of more than 5%
3.	Alteration to car size

Table SPS 318.1007-4
Platform Lifts

Item	Scope of Work
1.	Alteration to or replacement of overspeed or slack suspension safety device
2.	Alteration to or replacement of hydraulic jack plunger or cylinder
3.	Alteration to or replacement of hydraulic valve
4.	Alteration to or addition of machine room

Note: See chapter SPS 302 for fee requirements.

History: CR: 14-020: cr. Register August 2014 No. 704, eff. 9-1-14; correction in (2) (a) (title), (b) (title), (c) (title) made under s. 13.92 (4) (b) 2., Stats., Register August 2014 No. 704; CR 19-118: am. (2) (c) 1. a., (3) (title), (a) (intro.), 1., Table SPS 318.1007-1, Table SPS 318.1007-2, Table SPS 318.1007-3, Table SPS 318.1007-4 Register May 2020 No. 773, eff. 6-1-20.

SPS 318.1008 Plan review actions. (1) PROCESSING. The department shall review and make a determination on a request for plan approval within 15 business days, except as provided in sub. (2) (d).

(2) DETERMINATIONS. (a) *Conditional approval.* 1. If the department determines the application and plans for installation or alteration substantially comply with the provisions of this chapter, the department shall grant a conditional approval in writing.

2. Non-code-complying conditions stated in the conditional approval shall be corrected before or during installation.

3. A conditional approval issued by the department may not be construed as an assumption of any responsibility for the design or construction of the equipment.

4. The issuance of a conditional approval by the department does not alleviate the responsibility to correct any non-code-complying condition, element, or component not specifically enumerated in a conditional approval.

(b) *Revocation of approval.* The department may revoke any approval issued by department if the department determines any of the following:

1. That information provided for obtaining the approval contains false statements or misinterpretations of material fact.

2. That the approval was issued in error.

3. That the work performed is not consistent with the approval or is in violation of this chapter.

(c) *Denial of approval.* The request for plan approval shall be denied, in writing, if the department determines that the plans or the application do not substantially comply with the provisions of this chapter.

(d) *Hold.* 1. The request for plan approval shall be placed on hold if the department determines that the submittal is not of sufficient detail or missing information to determine whether the proposal conforms to this chapter.

2. If the request for plan approval is placed on hold, the permit-processing timeframe in par. (a) shall also be interrupted until the appropriate information is submitted to complete the review, except the request for approval and the hold shall expire if the appropriate information is not submitted within 90 calendar days of being requested.

(e) *Expiration.* As required under s. 101.983 (1) (d), Stats., an approval issued under this chapter expires under any of the following circumstances:

1. If the work authorized under the approval does not commence within 6 months after the date on which the approval is issued.

2. If the work authorized under the approval is suspended or abandoned for 60 consecutive days at any time following the commencement of the work.

3. a. On the date specified by the department under subd. 3. b.

b. The department may, notwithstanding subds. 1. and 2., specify a shorter period of time at the time the approval is issued, which shall be no later than 2 years after the approval date shown on the approved plans. Upon request to the secretary, the expiration date may be extended for a one-time, 2-year period at the discretion of the secretary provided the written request is submitted prior to expiration of the original approval.

(f) *Re-submittal.* When an approval expires under par. (e), plans shall be resubmitted in accordance with s. SPS 318.1007.

(3) **REVISIONS TO APPROVED PLANS.** (a) All proposed revisions and modifications which involve rules under this chapter and which are made to construction documents that have previously been granted approval by the department or agent municipality shall be submitted for review to the entity that granted the approval, unless determined by the department or agent municipality to be too minor to warrant re-submittal.

(b) All revisions and modifications to the plans shall be approved in writing by the department or agent municipality prior to the work involved in the revision or modification being carried out.

(4) **EVIDENCE OF APPROVAL.** Where plan approval is required by this chapter, one set of plans bearing the stamp of approval, a copy of the specifications, the approval-application form, and the approval letter shall be kept at the installation or alteration site from the beginning of construction until an inspection determines compliance with this chapter for the approved scope of work.

History: CR 14-020: cr. Register August 2014 No. 704, eff. 9-1-14; CR 19-118: cr. (2) (e) 3. Register May 2020 No. 773, eff. 6-1-20.

SPS 318.1009 Identification of conveyances.

(1) **REGISTRATION NUMBER.** All conveyances that are required to have a permit to operate shall be identified by a registration number supplied by the department or agent municipality.

(2) **POSTING.** The registration number shall be posted in the following manner:

(a) For a conveyance having a machine room, control room, or control space accessed directly from a building floor level or roof, on the main electrical disconnect or controller.

(b) For a conveyance having an inspection and test panel, inside the cover of the inspection and test panel.

History: CR 14-020: cr. Register August 2014 No. 704, eff. 9-1-14.

SPS 318.1010 Product approvals. (1) VOLUNTARY

APPROVAL. (a) Materials, equipment, and products regulated by this chapter may receive a written approval from the department indicating code compliance.

(b) 1. Approval of materials, equipment, and products shall be based on sufficient data, tests, and other evidence that prove the material, equipment, or product is in compliance with the standards specified in this chapter.

2. Tests, compilation of data, and calculations documenting compliance shall be provided by one of the following:

- a. A qualified independent third party.
- b. A Wisconsin-registered architect or engineer.

(2) **REVIEW, APPROVAL, AND REVOCATION PROCESSES.** (a) 1. Upon receipt of a fee and a written request, the department may issue an approval for a material, equipment, or product.

2. The department shall review and make a determination on an application for approval after receipt of all forms, fees, plans, and information required to complete the review.

3. A determination shall be made within 45 business days of receipt of all required materials.

(b) 1. The department may include specific conditions in issuing an approval, including an expiration date for the approval.

2. Violations of the conditions under which an approval is issued shall constitute a violation of this chapter.

(c) If the department determines that the material, equipment, or product does not comply with this chapter or the intent of this chapter, the request for approval shall be denied in writing.

(d) If an approved material, equipment, or product is modified, the approval shall be considered null and void, and the modification shall be submitted to the department for review.

(e) 1. The department may revoke or deny an approval for any false statements or misrepresentations of relevant facts or data; unacceptability of a third party that provided any information on which the approval was based; or as a result of material, equipment, or product failure.

2. The department may reexamine an approved material, equipment, or product and issue a revised approval at any time.

3. The department may revoke an approval if the department determines that the material, equipment, or product does not comply with this chapter or the intent of this chapter due to a change in the chapter or department interpretation of the chapter.

History: CR 14-020: cr. Register August 2014 No. 704, eff. 9-1-14.

SPS 318.1011 Inspections and permits to operate.

(1) **GENERAL.** Pursuant to s. 101.983 (2), Stats., no person may allow a conveyance to operate on property owned by the person unless the person holds a valid permit to operate for the conveyance, except this requirement does not apply to elevators or dumbwaiters that serve dwelling units.

Note: Although a permit to operate is not required under this subsection for elevators and dumbwaiters serving dwelling units, these elevators and dumbwaiters are subject to the requirements in section 101.983 (3) of the Statutes, which reads as follows: "If the owner and a prospective buyer of an individual residential dwelling unit that is served by a dumbwaiter or an elevator enter into a contract of sale for the unit that includes a provision requiring that the dumbwaiter or elevator be inspected, the inspection shall be performed by an elevator inspector licensed under s. 101.985 (3)."

(2) **INITIAL ISSUANCE.** (a) The department or agent municipality shall issue a permit to operate for the installation of a conveyance after an acceptance inspection by one of the following determines and documents that the conveyance was installed and constructed in compliance with this chapter:

1. The department.
2. An agent municipality.
3. A licensed elevator inspector who is referred to as enforcing this chapter, in a written contract between the inspection provider and the department.

(b) The issuance of a permit to operate by the department or agent municipality shall occur within 10 business days of completing and filing the inspection report.

(4) **PERMIT EXPIRATION.** (a) Each conveyance shall be assigned an inspection anniversary date by the department or agent municipality.

(b) A permit to operate shall be valid for one year from the assigned inspection anniversary date.

(5) **PERMIT RENEWAL.** (a) 1. The renewal of a permit to operate shall be contingent upon one or more inspections that determine

that a conveyance is in compliance with this chapter and any preceding design, construction, and installation requirements of this chapter that were in effect during construction or installation of the conveyance.

2. The inspection or inspections under subd. 1. shall be conducted no sooner than 120 days prior to the expiration of the permit to operate.

3. The owner of an existing conveyance for which a permit to operate was issued by the department or agent municipality may have the inspection or inspections for the renewal of the permit conducted by one of the following:

- a. The department.
- b. An agent municipality.
- c. An independent licensed elevator inspector.
- d. A licensed elevator inspector who is referred to as enforcing this chapter, in a written contract between the inspection provider and the department.

4. If an independent licensed elevator inspector conducts the inspection or inspections under subd. 1, the renewal of the permit by the department or agent municipality shall be contingent upon receipt of a report under sub. (8) and the recommendation to issue the permit to operate.

(b) The inspection to renew a permit to operate shall include at least all of either of the following:

1. For elevators, escalators, moving walks, dumbwaiters, and material lifts, the items listed in ASME A17.1 sections 8.6 and 8.11.2 to 8.11.5, as modified by this chapter and depending upon the type of conveyance.

2. For platform lifts and stairway chairlifts, the items listed in ASME A18.1 sections 10.2.2, 10.3.1.1 to 10.3.1.7, and 10.3.3.4, as modified by this chapter and depending upon the type of conveyance.

(6) ALTERATION INSPECTIONS. The alteration of a conveyance requiring plan approval as specified under s. SPS 318.1007 shall be inspected by one of the following before placing the conveyance back into service:

- (a) The department.
- (b) An agent municipality.

(c) A licensed elevator inspector who is referred to as enforcing this chapter, in a written contract between the inspection provider and the department.

Note: Under section 101.983 (2) (e) and (3) of the Statutes, alterations, repairs, and replacements of components for an elevator or dumbwaiter that serves a dwelling unit — short of a complete replacement of the conveyance — are not required to have plan approvals, or acceptance inspections corresponding to such approvals.

(7) PREPARATIONS FOR DEPARTMENT INSPECTION. (a) *Notice of inspection.* Where the installation or alteration inspection is to be conducted by the department or agent municipality for a conveyance which has received an approval under s. SPS 318.1007, the installation contractor or the owner or owner's agent shall notify the department or agent municipality at least 5 business days in advance of when all work will be completed and the conveyance will be ready for inspection. If the equipment is not complete and ready for inspection at the scheduled time, all of the following may occur:

1. The inspection may be cancelled.
2. A cancellation fee may be assessed in accordance with ch. SPS 302.
3. The inspection may be rescheduled.

Note: All notifications under this paragraph should occur only with the consent of the installing contractor, in order to avoid the penalties in subdivisions 1. to 3.

(b) *Arrangements.* The owner or owner's agent shall make arrangements to enable the department or agent municipality to inspect all parts of the conveyance and any related equipment during the scheduled time.

(bm) *Elevator mechanic.* The installation contractor or the owner or owner's agent shall make arrangements to ensure that a

licensed elevator mechanic or a licensed elevator mechanic—restricted is present for the inspection of the conveyance or related equipment during the entire inspection.

(c) *Cancellation.* Where a scheduled inspection is to be cancelled, the owner or owner's agent of a conveyance shall notify the department or agent municipality at least 2 business days before the scheduled time. Failure to do so may result in a cancellation fee assessed in accordance with ch. SPS 302.

(8) INSPECTION REPORT. Where an inspection specified in sub. (2), (5), or (6) is performed by someone other than an a licensed elevator inspector of the department or an agent municipality, the licensed elevator inspector shall file an inspection report with the department in accordance with all of the following:

(a) Reports shall be sent to the department in accordance with the department's electronic data interchange transfer guidelines, except as provided in par. (b), within 5 business days after completing the inspection unless additional time is authorized by the department.

(b) An approved form may be used in lieu of the electronic data interchange system where approved in advance by the department.

Note: Forms required under this chapter are available on the department's website at <https://dps.wi.gov>, or by request from the Department of Safety and Professional Services, P. O. Box 7302, Madison, Wisconsin 53708, or call (608) 266-2112.

(c) 1. The inspection report shall explain any violation or unsafe condition, with references to specific code sections and the nature of the deficiency.

2. Where an inspection report denotes conditions that pose an imminent threat to life or limb and require the conveyance to be taken out of service, both of the following shall be done immediately:

- a. The owner or owner's agent shall take the conveyance out of service.
- b. The licensed elevator inspector shall notify the department.

Note: The Department may be contacted at telephone (608) 266-7548 during normal business hours. The State Division of Emergency Management can be contacted at (800) 943-0003 during non-business hours.

3. The licensed elevator inspector shall provide the owner or owner's agent with a copy of the inspection report within 5 business days of the inspection.

(d) The inspection report shall be legible and complete.

(9) INDEPENDENT LICENSED ELEVATOR INSPECTOR PROCEDURES. Where inspections are provided by an independent licensed elevator inspector, all of the following requirements apply:

(a) The licensed elevator inspector shall submit written verification to the department of an agreement between the owner and the inspector for inspection services, no later than 30 calendar days after inspection service on equipment covered by this chapter is started. If the owner or inspector discontinues that service, the inspector shall notify the department no later than 30 days after the date of cancellation.

(b) If the licensed elevator inspector does not file a periodic inspection report with the department by 30 calendar days prior to the expiration date of the permit to operate, the department may conduct the inspection. If the department conducts the inspection, the owner will be charged a fee in accordance with ch. SPS 302 for each inspection.

(c) If the licensed elevator inspector is unable to obtain compliance with this chapter, the inspector shall notify the department. If the department conducts the inspection, the owner will be charged a fee in accordance with ch. SPS 302 for each inspection.

History: CR 14-020: cr. Register August 2014 No. 704, eff. 9-1-14; CR 19-118: r. (3), cr. (7) (bm), am. (8) (intro.), (c) 2. b., 3. Register May 2020 No. 773, eff. 6-1-20.

SPS 318.1012 Agent municipalities. (1) DESIGNATION. (a) Pursuant to ss. 101.12 and 101.983 (4), Stats., the department may designate a municipality as an agent of the department and thereby assign the authority to review and approve con-

veyance plans and specifications, conduct inspections and issue permits to operate those installations located within the municipality's boundaries.

(b) The plan review activities of a municipality that is not a 1st or 2nd class city shall be limited to parameters specified in s. 101.12 (3) (b), Stats.

(2) CONDITIONS OF AGENT DESIGNATION. (a) In addition to the statutory provisions under s. 101.12 (3) (a) to (b), Stats., all agent municipalities shall comply with all of the following:

1. Employ or contract with licensed elevator inspectors to perform plan review and inspection functions.

2. Forward to the department any information requested by the department relative to the examination of plans and inspections of conveyances.

3. Notify the department, in writing, at least 60 days prior to the date upon which the agent municipality intends to relinquish the plan examination and inspection responsibilities for equipment covered under this chapter.

(b) An agent municipality may waive its jurisdiction for plan review and approval for any project. In that case, plans shall be submitted to the department for review and approval.

History: CR 14-020: cr. Register August 2014 No. 704, eff. 9-1-14.

SPS 318.1013 Accident reporting. (1) (a) Any bodily injury requiring more than first-aid treatment, that occurs in conjunction with a conveyance, shall be reported by the owner or owner's agent to the department or agent municipality within 2 business days of the injury, except as provided in par. (b).

(b) 1. Any fatality under par. (a) shall be reported to the department or agent municipality within 24 hours of the fatality.

2. For the purposes of this section, the agent municipality is the entity that issued the permit to operate for the conveyance.

(c) At minimum, a report in an acceptable format shall be submitted to the department or agent municipality.

Note: The department may be contacted by telephone at (262) 548-8600 during normal business hours. The State Division of Emergency Management can be contacted at (800) 943-0003 during non-business hours. A copy of the elevator/escalator accident report form SBD-10782 and the minimum information needed is available on the Industry Services' website at <http://dps.wi.gov/programs/industry-services>.

(2) The owner of a conveyance that causes a bodily injury under sub. (1) may not remove or disturb the conveyance or any of its components or permit any such removal or disturbance prior to receiving authorization from the department or agent municipality, except for the purpose of reducing further bodily injury or property damage, or as provided in sub. (4).

(3) The owner of a conveyance that causes a bodily injury under sub. (1) may not return or allow the return of the conveyance back into operation or service until receiving authorization from the department or agent municipality that issued the permit to operate, except as provided in sub. (4).

(4) Where authorized by a licensed elevator inspector, the conveyance may be temporarily returned to service until an inspection by the department or agent municipality verifies that continuation of service is acceptable.

History: CR 14-020: cr. Register August 2014 No. 704, eff. 9-1-14; CR 19-118: am. (2) Register May 2020 No. 773, eff. 6-1-20.

SPS 318.1014 Petition for variance. A petition for variance relating to a provision in this chapter may be submitted and shall be processed in accordance with ch. SPS 303. The petition for variance shall include, where applicable, a position statement from the fire department or local building official having jurisdiction, or both.

Note: Chapter SPS 303 requires the submittal of a petition for variance form (SBD 9890X) and a fee, and that an equivalency is established in the petition for variance which meets the intent of the rule being petitioned. Chapter SPS 303 also requires the Department to process regular petitions within 30 business days and priority petitions within 10 business days.

Note: Forms required under this chapter are available on the department's website at <https://dps.wi.gov>, or by request from the Department of Safety and Professional Services, P. O. Box 7302, Madison, Wisconsin 53708, or call (608) 266-2112.

History: CR 14-020: cr. Register August 2014 No. 704, eff. 9-1-14.

SPS 318.1015 Enforcement. Where an agent municipality administers and enforces this chapter, a regulated item or activity shall be directed to or addressed by the agent municipality before requesting input from the department.

History: CR 14-020: cr. Register August 2014 No. 704, eff. 9-1-14.

SPS 318.1016 Appeals. (1) APPEAL OF DEPARTMENT ORDER. Pursuant to s. 101.02 (6) (e), Stats., any person who owns or operates a conveyance that is affected by an order of the department may petition the department for a hearing on the reasonableness of the order.

(2) APPEAL OF LOCAL ORDER. Pursuant to s. 101.02 (7) (b), Stats., any person affected by a local order that is in conflict with a provision of this chapter may petition the department for a hearing on the grounds that the local order is unreasonable and in conflict with the rule of the department.

(3) CONTESTED CASE HEARING. In addition to any other right provided by law, any interested person may file a written request for a contested case hearing, as specified in s. 227.42, Stats.

History: CR 14-020: cr. Register August 2014 No. 704, eff. 9-1-14; CR 19-118: r. (4) Register May 2020 No. 773, eff. 6-1-20.

SPS 318.1017 Penalties. Penalties for violations of this chapter are subject to and may be assessed in accordance with s. 101.988 (3), Stats.

History: CR 14-020: cr. Register August 2014 No. 704, eff. 9-1-14.

SPS 318.1018 Investigations initiated by public.

(1) VERIFICATION OF RECEIPT. The department shall provide verification of receipt for any notice filed in accordance with s. 101.988 (1) (b), Stats. The department shall provide electronic verification of receipt of a web-based complaint form within 5 days of submission.

Note: Generally, the department provides verification of receipt within 60 days, unless submitted using the web-based complaint form. The web-based complaint form is available at <https://dps.wi.gov>.

(2) REASONABLE GROUNDS TO INVESTIGATE. The department shall provide electronic notice, or other notice as appropriate, to the person who filed the written notice of whether the department has determined that there are reasonable grounds to investigate within 45 days of making this determination.

(3) INVESTIGATION CONCLUDED. The department shall provide electronic notice, or other notice as appropriate, to the person who filed the written notice within 30 days after the conclusion of the resulting investigation.

History: CR 19-118: cr. Register May 2020 No. 773, eff. 6-1-20.

Subchapter IV — Changes, Additions, or Omissions to ASME A17.1

SPS 318.1700 Changes, additions, or omissions to ASME A17.1. (1) GENERAL. Elevators, escalators, moving walks, and lifts shall be designed, constructed, installed, operated, maintained, tested, and inspected in accordance with ASME A17.1, except as otherwise provided in this chapter.

(2) CHANGES, ADDITIONS, AND OMISSIONS. Changes, additions, or omissions to ASME A17.1 are specified in this subchapter and are rules of the department and are not requirements of ASME A17.1.

(3) ASME A17.2, A17.3, AND A17.5. All references in ASME 17.1 to ASME A17.2, A17.3, and A17.5 are informational only and are not requirements of this chapter.

Note: The sections in this subchapter are generally numbered to correspond with the section numbering in ASME A17.1. For example, section SPS 318.1702 corresponds to ASME A17.1 Part 2.

History: CR 14-020: cr. Register August 2014 No. 704, eff. 9-1-14; CR 19-118: renun. (1) (a) to (1), r. (1) (b) Register May 2020 No. 773, eff. 6-1-20.

SPS 318.1701 Scope, application, and definitions.

(1) Substitute the following informational notes for the requirements in ASME A17.1 section 1.1:

Note: See sections SPS 318.1002 and 318.1003 for scope and application requirements.

Note: See ASME A18.1 and subchapter V for requirements relating to vertical and inclined platform lifts, and stairway chairlifts serving public buildings and places of employment.

(2) Substitute the following definitions for the corresponding definitions specified in ASME A17.1 section 1.3:

(a) "Authority having jurisdiction" means the department of safety and professional services, except as designated under s. SPS 318.1012.

(b) "Rated speed, down" means all of the following:

1. Prior to passing an acceptance inspection, the speed at which the car, platform, or chair of an electric elevator, dumbwaiter, material lift, vertical platform lift, inclined platform lift, or stairway chairlift is designed to operate in the down direction with rated load.

2. Upon acceptance inspection, the actual speed at which the car, platform, or chair of an electric elevator, dumbwaiter, material lift, vertical platform lift, inclined platform lift, or stairway chairlift operates in the down direction with rated load.

Note: "Rated speed, down" applies to components where "rated speed" is used to describe the speed in the down direction for determining performance criteria for that code section. For the actual downspeed of a hydraulic elevator, dumbwaiter, or material lift, see the definition for "operating speed in the down direction."

(c) "Rated speed, up" means all of the following:

1. Prior to passing an acceptance inspection, the speed which the car, platform, or chair of an elevator, dumbwaiter, material lift, vertical platform lift, inclined platform lift, or stairway chairlift is designed to operate in the up direction with rated load.

2. Upon acceptance inspection, the actual speed at which the car, platform, or chair of an elevator, dumbwaiter, material lift, vertical platform lift, inclined platform lift, or stairway chairlift operates in the up direction with rated load.

Note: "Rated speed, up" applies to components where "rated speed" is used to describe the speed in the up direction for determining performance criteria for that code section.

(3) This is a department informational note to be used under ASME A17.1 section 1.3:

Note: See subsections SPS 318.1004 (8) and (10) (ar) in subchapter I for definitions of "building code" and "elevator" because under section SPS 318.1003 (2) (a) those definitions supersede the corresponding definitions in ASME A17.1 section 1.3.

History: CR 14-020: cr. Register August 2014 No. 704, eff. 9-1-14; CR 19-118: renum. (2) to (2) (intro.) and am., cr. (2) (a) to (c), am. (3) Register May 2020 No. 773, eff. 6-1-20.

SPS 318.1702 Electric elevators. (1) PIT DRAINS AND SUMPS. (a) This is a department informational note to be used under ASME A17.1 section 2.2.2.3:

Note: See ch. SPS 362 of the building code for hoistway drain and sump requirements for elevators in commercial buildings.

(b) Substitute the following informational note for the requirements in ASME A17.1 section 2.2.2.5:

Note: See chapter SPS 362 of the building code for hoistway drain and sump requirements for elevators in commercial buildings.

(bm) This is a department rule in addition to the requirements in ASME A17.1 section 2.4.5: The data plate shall indicate the minimum designed counterweight runby.

(c) This is a department informational note to be used under ASME A17.1 section 2.7:

Note: See section SPS 382.33 for prohibition of sumps and sump pumps in elevator machine rooms for elevators in commercial buildings.

(2) **MACHINERY SPACES, MACHINE ROOMS, CONTROL SPACES, AND CONTROL ROOMS.** (a) *Access to machine rooms and machinery spaces.* This is a department rule in addition to the requirements in ASME A17.1 section 2.7.3.1: Access to a machine room, machinery space, control room, or control space may not be through any toilet room, locker room, sleeping room, or similar room or space, except in one- or two-family dwellings.

(b) *Access doors and openings.* 1. This is a department rule in addition to the requirements in ASME A17.1 section 2.7.3.4.1: The entrance to a machine room, control space, or control room shall be identified with a permanent sign. The lettering on the sign shall be at least 1-inch high and state "elevator machine room," or equivalent wording.

2. This is a department rule in addition to the requirements in ASME A17.1 section 2.7.3.4.3: Hoistway access doors shall be provided with an electric contact to remove power to the driving means when the panel is not in the closed position.

(c) *Headroom in machine rooms, machinery spaces, control rooms, and control spaces.* This is a department rule in addition to the requirements in ASME A17.1 section 2.7.4.1: For elevators installed to serve one- and two-family dwellings, headroom in these spaces may comply with the requirements in ASME A17.1 section 5.2.1.7.1.

(d) *Temperature and humidity.* This is a department informational note to be used under ASME A17.1 section 2.7.9.2:

Note: See the building code for requirements prohibiting the transfer of contaminated air in commercial buildings.

(3) **EQUIPMENT IN HOISTWAYS, MACHINERY SPACES, MACHINE ROOMS, CONTROL SPACES, AND CONTROL ROOMS.** (a) *Equipment allowed.* This is a department rule in addition to the requirements in ASME A17.1 section 2.8.1: Access to machinery, equipment, wiring, piping, and other building components that are not used directly in connection with the elevator may not be permitted through hoistways, machine rooms, machinery spaces, control rooms, and control spaces.

(b) *Sprinklers.* This is a department rule in addition to the requirements in ASME A17.1 section 2.8.3.3.2: A means to disconnect the main-line power is not required for elevators installed to serve one- and two-family dwellings.

(4) **PROTECTION OF HOISTWAY OPENINGS.** (a) *Opening of hoistway doors.* The requirements in ASME A17.1 section 2.11.6.3 (e) are not included as part of this chapter.

(b) *Illumination at landing sills.* This is a department rule in addition to the requirements in ASME A17.1 section 2.11.10.2: Landing sills are not required to be illuminated at all times for elevators installed to serve one- and two-family dwellings.

(5) **HOISTWAY DOOR LOCKING DEVICES AND ELECTRIC CONTACTS, AND HOISTWAY ACCESS SWITCHES.** These are department rules in addition to the requirements in ASME A17.1 section 2.12.6.2:

(a) Where the elevator has a machine room, control room, or control space accessed from a floor level of the building, the unlocking device operating key shall be located adjacent to the elevator disconnecting means in that room or space. A label at the key shall state: "Hoistway door unlocking key. Place the disconnecting means in the off position and lock it, prior to using the hoistway door unlocking key."

(b) Where the elevator has an inspection and test panel without a machine room, control room, or control space, the unlocking device operating key shall be located in the key box required by sub. (10) (b) 3. A label inside the key box or on the key shall identify the key and state: "Place the disconnecting means in the off

position and lock it, prior to using the hoistway door unlocking key.”

(6) **CAR FRAMES AND PLATFORMS.** This is a department rule in addition to the requirements in ASME A17.1 section 2.15.9: Where an existing elevator is required to comply with ASME A17.1 section 2.15.9.2(a) as part of an alteration, and the depth of the existing pit does not allow for a platform guard of 48 inches in height, the car platform guard shall conform to section 2.15.9 to the extent that the existing pit will permit, but in no case less than the leveling or truck zone plus 3 inches. Raising the car buffer to provide only 1 inch of bottom-car runby may be necessary to maximize the height of the platform guard.

(7) **CAPACITY AND LOADING.** This is a department informational note to be used under ASME A17.1 section 2.16.1.1:

Note: See chapter SPS 362 of the building code for stretcher-sized elevator requirements in some commercial buildings.

(8) **CAR AND COUNTERWEIGHT SAFETIES.** This is a department rule in addition to the requirements in ASME A17.1 section 2.17.14: The manufacturer’s model number shall also be marked on the metal plate.

(9) **SPEED GOVERNORS.** This is a department rule in addition to the requirements in ASME A17.1 section 2.18.9: The manufacturer’s model number shall also be marked on the metal plate.

(10) **EMERGENCY OPERATION AND SIGNALING DEVICES.** (a) *Emergency or standby power system.* This is a department informational note to be used under ASME A17.1 section 2.27.2:

Note: Standby power requirements for elevators in healthcare facilities are found in Article 517 of the *National Electrical Code*®, as adopted under chapter SPS 316. In other types of commercial buildings, stand-by power requirements are found in the building code under IBC chapter 27.

(b) *Firefighters’ emergency operation.* 1g. This is a department informational note to be used under ASME A17.1 section 2.27.3.2.1:

Note: Where a conflict between NFPA 13 and NFPA 72 occurs relating to this section, the department will refer to NFPA 13.

1r. Substitute the following wording for the requirements in ASME A17.1 section 2.27.3.2.3 (a): The activation of a fire alarm initiating device specified in ASME A17.1 section 2.27.3.2.1 at any elevator lobby, other than at the designated level, shall cause all elevators that serve that lobby, and any associated elevator of a group automatic operation, to be returned nonstop to the designated level.

2. Substitute the following wording for the requirements in ASME A17.1 section 2.27.3.2.4 (a): The activation of a fire alarm initiating device specified in ASME A17.1 section 2.27.3.2.1(a) that is located in the elevator lobby at the designated level, shall cause all elevators serving that lobby to be recalled to the alternate level, unless Phase I emergency recall is in effect.

3. These are department rules in addition to the requirements in ASME A17.1 section 2.27.8:

a. An additional set of switch keys shall be kept in a lockable metal box mounted in a conspicuous location adjacent to the main elevator entrance or entrances at the designated level landing. Where a building has no fire command center and multiple lockable metal boxes, each box shall be openable by the same key. The box shall be openable only by the fire department, police department, licensed elevator inspector, and other authorized personnel. This does not prohibit additional keys from being placed in other approved locations.

b. Where the elevator has a machine room, control room, or control space, the key box shall also contain a key to access the machine room, control room, or control space, and the key shall be labeled for its use. A label inside the key box shall provide

directions to the location of the disconnects, including room number where applicable.

c. Where the elevator has an inspection and test panel without a machine room, control room, or control space, the key box shall also contain the key for the lock used to secure the space, panel, or panels for the main disconnect, car light disconnect, and disconnects for any other elevator-utilization equipment. A label inside the key box shall provide directions to the location of the disconnects including room number where applicable.

4. This is a department exception to the requirements in ASME A17.1 section 2.27.9: The department may approve an equivalent sign.

(c) *One- and two-family dwellings.* 1. This is a department exception to the requirements in ASME A17.1 sections 2.27.3 to 2.27.9: The requirements in ASME A17.1 sections 2.27.3 to 2.27.9 apply to elevators serving one- or two-family dwellings as follows: where components addressed in those sections are installed, such components shall operate in accordance with those sections.

2. Substitute the following wording for the requirements in ASME A17.1 section 2.27.1: The elevator shall be provided with a hard-wired telephone or a telephone utilizing wireless, cellular, or other technology capable of operating at all points of elevator travel. The telephone shall be available in the elevator, charged if battery powered, and operational any time the elevator is in use. If the telephone is not a hard-wired land line type, the elevator shall include a sign informing riders that a telephone is required to be present while operating the elevator.

History: CR 14-020: cr. Register August 2014 No. 704, eff. 9-1-14; CR 19-118: cr. (1) (bm), renum. (10) (b) 1. to (10) (b) 1r., cr. (10) (b) 1g., am. (10) (b) 3. a., b., cr. (10) (b) 4., renum. (10) (c) to (10) (c) 1., cr. (10) (c) 2. Register May 2020 No. 773, eff. 6-1-20.

SPS 318.1703 Hydraulic Elevators. (1) **HYDRAULIC JACKS.** Substitute the following wording for the requirements in ASME A17.1 section 3.18.3.8.3(b):

(a) The cylinder bottom and sides below the pit floor shall be completely surrounded by a protective material designed to withstand a static head of water from the ground level to the bottom of the cylinder, based on the manufacturer’s rating of the material.

(b) The top of the material shall be visible at the pit floor.

(c) A means shall be provided between the material and cylinder to monitor the space for the entrance of water. The means to monitor shall comply with all of the following:

1. Extend from above the pit floor to below the bottom of the jack.

2. Be open on the bottom.

3. Be exposed and visible at the pit floor.

4. Be capped, plugged, or otherwise sealed at the top with a removable means.

(d) The space between the material, the means to monitor and the jack shall be sealed at or near the pit floor to prevent the entrance of water from the pit.

(e) The material shall be one of the following:

1. Rigid, non-metallic material such as polyvinylchloride or high-density polyethylene, of a schedule that will withstand the installation process.

2. Flexible material that is approved by the department. Monitoring for the entrance of ground water shall be performed according to the following schedule with findings recorded in the maintenance record:

a. At the time of the acceptance inspection.

b. Quarterly for the first 2 years corresponding with quarterly checking of oil usage required by s. SPS 318.17086 (11) (a).

c. Annually thereafter.

(f) If at any time water is found that cannot be explained by some type of accidental entry, the material shall be replaced within 6 months.

(2) OPERATING DEVICES AND CONTROL EQUIPMENT. Substitute the following informational note for the requirements in ASME A17.1 section 3.26.3.1.2:

Note: Under ICC/ANSI A117.1, as applied through the building code, the anti-creep device must maintain the car within 1/2 inch of the landing irrespective of the position of the hoistway door.

History: CR 14-020: cr. Register August 2014 No. 704, eff. 9-1-14; CR 19-118: am. (1) (e) 2. b. Register May 2020 No. 773, eff. 6-1-20.

SPS 318.1705 Special application elevators.

(1) LIMITED-USE, LIMITED-APPLICATION ELEVATORS. Substitute the following wording for the requirements in ASME A17.1 section 5.2.1.7: Equipment shall be permitted to be located in rooms containing other equipment essential for the operation of the building.

(2) HYDRAULIC LIMITED-USE, LIMITED-APPLICATION ELEVATORS. This is a department exception to the requirements in ASME A17.1 section 5.2.2: Hydraulic limited-use, limited-application elevators are not required to conform to the requirements in ASME A17.1 section 5.2.1.19.

(3) PRIVATE RESIDENCE ELEVATORS. (a) This is a department rule in addition to the requirements in ASME A17.1 section 5.3: Machinery spaces, machine rooms, control spaces, and control rooms where provided shall conform to the requirements in ASME A17.1 section 5.2.1.7.

(ag) This is a department rule in addition to the requirements in ASME A17.1 section 5.3: A previously approved residential elevator installed to serve a commercial building may be replaced with a residential type elevator in the existing hoistway. A new installation permit is required.

(ar) This is a department rule in addition to the requirements in ASME A17.1 section 5.3.1.1.1: With the car at the lowest landing, the space above the car shall be guarded on all accessible sides by a partial enclosure extension or skirt. The extension shall be solid material or openwork that will reject a ball 1/2 inch diameter. The extension shall extend from the lower landing ceiling to 1 to 2 inches below the top edge of the car. Horizontal clearance between the car and the extension shall be 3/8 inch to 3/4 inch.

(c) This is a department rule in addition to ASME A17.1 requirement 5.3.1.7.2: The vertical clearance between the hoistway door and the floor surface shall not exceed 3/8 inch.

(cc) This is a department rule in addition to the requirements in ASME A17.1 section 5.3.1.8.1:

1. The top of the car enclosure shall comply with the load requirements specified under ASME A17.1 section 2.14.1.6, except as specified in subd. 2.

2. A car enclosure shall be permitted to have a top that is not load bearing provided the top of the car enclosure is not needed to be accessed to service, maintain, or inspect any part of the elevator equipment and contains a sign meeting ANSI Z535.4 or its equivalent indicating the car top is not load bearing.

(cg) This is a department rule in addition to the requirements in ASME A17.1 section 5.3.1.6.1: Ropes and chains passing through a wall outside the hoistway enclosure shall be enclosed with a solid or openwork enclosure. If the enclosure is openwork, the enclosure shall reject a ball 13 mm, or 0.5 in., in diameter. Means for inspection shall be provided. The openings may not be larger than is necessary to clear the suspension means.

(cn) The allowance in ASME A17.1 section 5.3.1.7.4 (a) is not included as part of this chapter.

(cr) This is a department rule in addition to the requirements in ASME A17.1 section 5.3.1.14: Where the hoistway ends above an occupiable area, the floor below the car and counterweight must have sufficient strength to withstand, without failure, the impact of the car with rated load and counterweight descending

at 125% of rated speed or governor tripping speed if a governor is provided.

(cw) This is a department rule in addition to the requirements in ASME A17.1 section 5.3.1.16: Rotating parts located outside of the hoistway for private residence elevators shall be enclosed with a solid or openwork enclosure. If the enclosure is openwork, the enclosure shall reject a ball 13 mm, or 0.5 in., in diameter. Means for inspection shall be provided. The openings may not be larger than is necessary to clear the rotating parts.

(d) The requirements in ASME A17.1 section 5.3.1.16.2(i)(2) are not included as part of this chapter.

(e) Substitute the following wording for the requirements in A17.1 section 5.3.1.19: The elevator shall be provided with a hard-wired telephone or a telephone utilizing wireless, cellular, or other technology capable of operating at all points of elevator travel. The telephone shall be available in the elevator, charged if battery powered, and operational any time the elevator is in use. If the telephone is not a hard-wired land line type, the elevator shall include a sign informing riders that a telephone is required to be present while operating the elevator.

Note: Accessible and Usable Buildings and Facilities, ICC A117.1, Section 409 for private residence elevators standards is applicable in commercial buildings, under the incorporation of the International Building Code® in chs. SPS 361 to 366.

(4) ELEVATORS USED FOR CONSTRUCTION. This is a department rule in addition to the requirements in ASME A17.1 section 5.10.1.21.2: All elevators shall have an assigned operator while in use.

History: CR 14-020: cr. Register August 2014 No. 704, eff. 9-1-14; CR 19-118: cr. (3) (ag), (ar), renum. (3) (b) to (3) (cc) and, as renumbered, am. (3) (cc) 2., cr. (3) (c) 5., (cg), (cn), (cr), (cw) Register May 2020 No. 773, eff. 6-1-20; correction in (3) (c) 5. made under s. 35.17, Stats., Register May 2020 No. 773, eff. 5-1-20; CR 20-057: renum. (3) (c) (intro.) to (3) (c) and am., r. (3) (c) 1. to 5. Register April 2021 No. 784.

SPS 318.1707 Dumbwaiter and Type B material lifts.

(1) POWER AND HAND DUMBWAITERS WITHOUT AUTOMATIC TRANSFER DEVICES. Substitute the following wording for the requirements in ASME A17.1 Part 7, Scope: This part applies to power dumbwaiters and Type B material lifts.

(2) HOISTWAY-ACCESS DOORS. This is a department rule in addition to the requirements in ASME A17.1 section 7.1.11.5: Hoistway access door panels for power dumbwaiters shall be provided with an electric contact to remove power to the driving machine when the panel is not in the closed position.

(3) HOISTWAY-DOOR VISION PANELS. Substitute the following wording for the requirements in ASME A17.1 section 7.1.11.8: Vision panels shall be provided in hoistway doors where position indicators are not provided. Vision panels shall comply with the requirements in ASME A17.1 sections 2.11.7.1.2, 2.11.7.1.3, 2.11.7.1.4, and 2.11.7.1.6, and the total area of one or more vision panels in any hoistway door may not be less than 4 square inches and not more than 25 square inches.

History: CR 14-020: cr. Register August 2014 No. 704, eff. 9-1-14.

SPS 318.17081 Security. This is a department rule in addition to the requirements in ASME A17.1 section 8.1: Key access for installations after June 1, 2020, as specified in this section, shall be verified by the department or agent municipality.

History: CR 19-118: cr. Register May 2020 No. 773, eff. 6-1-20.

SPS 318.17086 Maintenance, repair, replacement, and testing. **(1) APPLICATION OF ASME A17.1 SECTION 8.6.** The introductory paragraph of ASME A17.1 section 8.6 is not included as part of this chapter.

(2) DOCUMENTATION. (a) These are department rules in addition to the requirements in ASME A17.1 section 8.6.1.1.3:

1. A new or updated maintenance control program, maintenance records, and wiring diagrams in electronic form shall be transferred to a paper copy of the documents by the installing or service contractor within 3 months of the associated maintenance, repair, replacement, or alteration.

2. The maintenance control program, including any devices and procedures needed to meet ASME A17.1 section 8.6.1.2.1 (f), and the maintenance records and wiring diagrams are the property of the conveyance owner, not a conveyance installer or service company. They may be removed only with the permission of the owner.

3. An additional set of electrical wiring diagrams may be securely located on the top of the car only if another complete set is located in a place that is accessible by the owner or the owner's agent.

(b) Substitute the following wording for the requirements in ASME A17.1 section 8.6.1.2.1 (a): For new installations, the initial maintenance control program shall be provided by the equipment manufacturer. For existing equipment undergoing any alteration, repair, or replacement, the maintenance control program for the altered, repaired, or replaced components shall be provided by the person or firm performing the work. The maintenance control program shall be made available to elevator personnel at the scheduled time for service, tests, or inspection.

(c) Substitute the following wording for the requirements in ASME A17.1 section 8.6.1.2.1 (d): A copy of the maintenance control program shall be located as follows:

1. For a conveyance serving a commercial building and having a machine room, control room, or control space accessed directly from a building floor level or the roof, the program shall be located in that machine room, control room, or control space.

2. For a conveyance serving a commercial building and having an inspection and test panel, the inside cover of the inspection and test panel shall provide instructions for locating the maintenance control program. Instructions shall be permanently legible with lettering not less than 1/8 inch in height.

3. For a conveyance serving a dwelling unit, either the maintenance control program shall be at the controller or the front of the controller shall provide instructions for locating the maintenance control program. Instructions shall be permanently legible with lettering not less than 1/8 inch in height.

(d) Substitute the following wording for the requirements in the introductory paragraph of ASME A17.1 section 8.6.1.2.2: The documents specified in ASME A17.1 sections 8.6.1.2.2 (a), (b), and (c), and par. (e) shall be located as follows:

1. For a conveyance serving a commercial building and having a machine room, control room, or control space accessed directly from a building floor level or the roof, the documents shall be located in that machine room, control room, or control space.

2. For a conveyance serving a commercial building and having an inspection and test panel, the inside cover of the inspection and test panel shall provide instructions for locating the on-site documentation. Instructions shall be permanently legible with lettering not less than 1/8 inch in height.

3. For a conveyance serving a dwelling unit, either the on-site documentation shall be at the controller or the front of the controller shall provide instructions for locating the onsite documentation. Instructions shall be permanently legible with lettering not less than 1/8 inch in height.

(e) This is a department rule in addition to the requirements in ASME A17.1 section 8.6.1.2.2 (a), (b), and (c): Any plan approval letter, application form, and the plans issued under s. SPS 318.1008.

(f) This is a department rule in addition to the requirement in ASME A17.1 section 8.6.1.2.2 (c) (3): Written checkout procedures for two-way communication means shall be required for installations after June 1, 2020.

(g) Substitute the following wording for the requirements in the introductory paragraph of ASME A17.1 section 8.6.1.4: Maintenance records shall document compliance with the requirements in ASME A17.1 section 8.6. The maintenance records shall be retained for the most recent 5 years minimum, or

from the date of installation or adoption of this chapter edition. Existing maintenance records up to 5 years minimum shall be retained. Maintenance records shall be located as follows:

1. For a conveyance serving a commercial building and having a machine room, control room, or control space accessed directly from a building floor level or the roof, the maintenance records shall be located in that machine room, control room, or control space.

2. For a conveyance serving a commercial building and having an inspection and test panel, the inside cover of the inspection and test panel shall provide instructions for locating the maintenance records. Instructions shall be permanently legible with lettering not less than 1/8 in height.

3. For a conveyance serving a dwelling unit, either the maintenance records shall be at the controller or the front of the controller shall provide instructions for locating the maintenance records. Instructions shall be permanently legible with lettering not less than 1/8 inch in height.

(h) This is a department rule in addition to the requirements in ASME A17.1 section 8.6.1.4.2: The record of trouble calls shall be included in the on-site maintenance record.

(3) FIRE EXTINGUISHERS. Substitute the following wording for the requirements in ASME A17.1 section 8.6.1.6.5: In commercial buildings, a class "ABC" fire extinguisher shall be provided inside of, or within view and within 25 feet of, a dedicated elevator machine room, control room, machinery space, control space, or inspection and test panel as applicable, or a walk-in machine or control room for an escalator or moving walk.

(4) WITNESSING PERIODIC TESTS. Substitute the following wording for the requirements in ASME A17.1 section 8.6.1.7.1: Periodic tests may be witnessed by the department or agent municipality or by a person authorized by the department or agent municipality.

(5) PERIODIC TEST RECORD. Substitute the following wording for the requirements in ASME A17.1 section 8.6.1.7.2: A record of the required periodic tests shall be included in the maintenance record and comply with all of the following:

(a) The test record shall include the tests, applicable code requirements, dates performed, the test results, and the name of the person performing the tests.

(b) The test record shall include the license number of the person performing the tests and the name of the company employing the license holder, for tests listed in ASME A17.1 sections 8.6.4.19, 8.6.4.20, 8.6.5.14, 8.6.5.15, 8.6.6.1.1, 8.6.6.2.1, 8.6.6.3.1, 8.6.7.1.1, 8.6.7.2.1, 8.6.7.5.1, 8.6.7.6.1, 8.6.7.7.1, 8.6.7.10, 8.6.8.15, 8.6.10.1.1, and 8.6.10.2.1.

(c) If an alternative test method in ASME A17.1 section 8.6.4.20 is utilized, the test report and test tag shall indicate alternative testing was utilized for the applicable requirement.

(6) EMERGENCY COMMUNICATIONS. This is a department rule in addition to the requirements in ASME A17.1 section 8.6.4.19.15: Written checkout procedures for emergency communications shall be required for installations after June 1, 2020.

(7) AUXILIARY POWER SYSTEM TESTS. Where an existing conveyance has an auxiliary power system designed to move the car in order to evacuate passengers, the system shall be tested as part of the Category 1 tests in accordance with manufacturers' recommendations.

(8) MAINTENANCE AND TESTING OF ELECTRIC ELEVATORS. (a) *Periodic test requirements, Category 5.* This is a department rule in addition to the requirements in ASME A17.1 section 8.6.4.20: Results of all Category 5 tests shall be submitted to the department or agent municipality on approved forms.

Note: Forms required under this chapter are available on the department's website at <https://dps.wi.gov>, or by request from the Department of Safety and Professional Services, P. O. Box 7302, Madison, Wisconsin 53708, or call (608) 266-2112.

(b) *Car and counterweight safeties.* This is a department rule in addition to the requirements in ASME A17.1 section

8.6.4.20.1: Any damaged section of wood guide rails shall be replaced.

(9) PERIODIC TEST REQUIREMENTS – CATEGORY 1. (a) *Hydraulic tests.* Substitute the following wording for the requirements in the introductory paragraph of ASME A17.1 section 8.6.5.8: An elevator that has hydraulic piping or a portion of its hydraulic cylinder either in the ground or below the pit floor, and not visible for inspection, shall be tested in accordance with the requirements in ASME A17.1 sections 8.6.5.14.1 and 8.6.5.14.2 or shall conform to the requirements in ASME A17.1 section 8.6.5.8 (a) or 8.6.5.8 (b).

(b) *Relief valve verification of setting and system pressure test.* This is a department rule in addition to the requirements in ASME A17.1 section 8.6.5.14.1: Results of the relief valve setting and system pressure test shall be submitted to the department or agent municipality on approved forms.

Note: Forms required under this chapter are available on the department's website at <https://dsps.wi.gov>, or by request from the Department of Safety and Professional Services, P. O. Box 7302, Madison, Wisconsin 53708, or call (608) 266-2112.

(c) *Hydraulic cylinders and pressure piping.* This is a department rule in addition to the requirements in ASME A17.1 section 8.6.5.14.2: Results of the hydraulic cylinder and pressure piping tests shall be submitted to the department or agent municipality on approved forms.

Note: Forms required under this chapter are available on the department's website at <https://dsps.wi.gov>, or by request from the Department of Safety and Professional Services, P. O. Box 7302, Madison, Wisconsin 53708, or call (608) 266-2112.

(d) *Remove from service.* An elevator that fails a test specified in ASME A17.1 sections 8.6.5.14.1 or 8.6.5.14.2 may not be issued a permit to operate and may not be returned to service until the elevator conforms with the testing requirements.

(e) *Additional tests.* These are department rules in addition to the requirements in ASME A17.1 section 8.6.5.14.3:

1. Additional tests shall be performed including the emergency communications, in accordance with ASME A17.1 section 8.6.4.19.15, and the means to restrict hoistway or car door opening, in accordance with ASME A17.1 section 8.6.4.19.16.

2. Where an auxiliary power lowering operation, in accordance with ASME A17.1 section 3.26.10, is installed as part of the standby or emergency power operation, a test shall be performed as part of the Category 1 test requirements.

(10) PERIODIC TEST REQUIREMENTS. (a) This is a department rule in addition to the requirements in ASME A17.1 section 8.6.5.16: Results of all Category 5 tests shall be submitted to the department or agent municipality on approved forms,

(b) This is a department rule in addition to the requirements in ASME A17.1 section 8.6.7.3.1: Where an elevator of the private-residence type or Part V type serves a commercial building and is equipped with a safety device that is subject to testing, the 5-year safety test in ASME A17.1 section 8.6.4.20.1 – and where applicable, the governor test in ASME A17.1 section 8.6.4.20.2 – shall be performed. The test results shall be submitted to the department or agent municipality on an approved form.

Note: Forms required under this chapter are available on the department's website at <https://dsps.wi.gov>, or by request from the Department of Safety and Professional Services, P. O. Box 7302, Madison, Wisconsin 53708, or call (608) 266-2112.

(11) SPECIAL PROVISIONS. (a) These are department rules in addition to the requirements in ASME A17.1 section 8.6.11:

1. The record of oil level and oil usage shall be kept quarterly, as part of the record of oil usage required under ASME A17.1 section 8.6.5.7.

2. The record of oil level and oil usage required under subd. 1. shall be included in the maintenance record.

(b) Substitute the following wording for the requirements in ASME A17.1 section 8.6.11.1: Elevators provided with firefighters' emergency operation shall be subjected quarterly by authorized personnel to Phase I recall by use of the key switch, and a minimum of one floor operation on Phase II where equipped.

Deficiencies shall be corrected. A record of the findings shall be included in the maintenance record.

Note: Other federal and state laws may require certain facilities to perform at more frequent intervals.

(c) This is a department informational note to be used under ASME A17.1 sections 8.6.11.4 to 8.6.11.9: **Note:** Written procedures as specified in these sections will not be evaluated by the department.

(12) ALTERNATIVE TEST METHOD REPORT. This is a department rule in addition to the requirements in ASME A17.1 section 8.6.11.10.4: Where a completed test report for a Category 5 test is required to be sent to the department or agent municipality, the alternative test method report shall be sent to the department or agent municipality.

(13) EXAMINATIONS AFTER EVENTS. This is a department rule in addition to the requirements in ASME A17.1 sections 8.6.11.11 to 8.6.11.14: A record of the findings shall be included in the maintenance record.

(14) PERMIT TO OPERATE – CATEGORY 1. Category 1 test results shall be valid for one permit to operate term, regardless of whether the test is valid for the purposes of ASME A17.1.

History: CR 19-118: cr. Register May 2020 No. 773, eff. 6-1-20.

SPS 318.17087 Alterations. (1) This is a department rule in addition to the requirements in ASME A17.1 section 8.7.2.8: Where sprinklers are added to an existing elevator machine room, machinery space, control room, control space, or top of hoistway, the installation shall comply with the requirements in ASME A17.1 section 8.7.2.28 (c) and (e), except as follows:

(a) Where the elevator already is equipped with Phase I and Phase II firefighters' emergency operation and the existing car operating panel will remain, the elevator is not required to have the firefighters' emergency operation functions on the car operating panel behind a locked cover, unless required by another part of ASME A17.1 section 8.7.

(b) Where the elevator already is equipped with a Phase I key switch of the bypass-off-on type, the key switch is not required to meet ASME A17.1 section 2.27.3.1 unless required by another part of ASME A17.1 section 8.7.

(2) Substitute the following wording for the requirements in ASME A17.1 section 8.7.2.14.1: Where an alteration consists of the installation of a new car, the installation shall conform to sections 2.14, 2.15, and 2.17.

(3) Substitute the following wording for the requirements in ASME A17.1 section 8.7.2.14.2 (i): Where an alteration consists of the installation of a car door or gate on an existing elevator car, the installation shall conform to 2.14.4, 2.14.5, and 2.14.6.

(4) Substitute the following wording for the requirements in ASME A17.1 section 8.7.2.16.4 (a): Car doors or gates shall be provided at all car entrances. Where new car doors or gates are installed, they shall conform to 2.14.4, 2.14.5, and 2.14.6.

(5) This is a department rule in addition to the requirements in ASME A17.1 section 8.7.2.17.1: Where an elevator is not equipped with Phase I and Phase II firefighters' emergency operation and an increase in rise results in travel of 25 feet or more above or below the designated level, the installation shall meet the requirements in ASME A17.1 sections 2.27.3 to 2.27.9 for the installation of firefighters' emergency operation.

(6) Substitute the following wording for the requirements in ASME A17.1 section 8.7.2.17.2 (b) (4): Car doors or gates shall be provided at all car entrances. Where new car doors or gates are installed, they shall conform to section 2.14.

(7) This is a department rule in addition to the requirements in ASME A17.1 section 8.7.2.28 (c): All elevators in the building equipped with firefighters' emergency operation shall conform to the requirements in ASME A17.1 section 2.27.8 for switch keys.

(8) This is a department rule in addition to the requirements in ASME A17.1 section 8.7.2.28 (d): All elevators in the building equipped with firefighters' emergency operation shall conform to the requirements in ASME A17.1 section 2.27.8 for switch keys.

(9) This is a department rule in addition to the requirements in ASME A17.1 section 8.7.3.8: Where sprinklers are added to an existing elevator machine room, machinery space, control room, control space, or top of hoistway, the installation shall comply with the requirements in ASME A17.1 section 8.7.3.31.8 (c) and (e), except as follows:

(a) Where the elevator already is equipped with Phase I and Phase II firefighters' emergency operation and the existing car operating panel will remain, the elevator is not required to have the firefighters' emergency operation functions on the car operating panel behind a locked cover, unless required by another part of ASME A17.1 section 8.7.

(b) Where the elevator already is equipped with a Phase I key switch of the bypass-off-on type, the key switch is not required to meet ASME A17.1 section 2.27.3.1 unless required by another part of ASME A17.1 section 8.7.

(10) These are department rules in addition to the requirements in ASME A17.1 section 8.7.3.22.1:

(a) Where an elevator is not equipped with Phase I and Phase II firefighters' emergency operation and an increase in rise results in travel of 25 feet or more above or below the designated level, the installation shall meet the requirements in ASME A17.1 section 8.7.3.31.8 (c) for the installation of firefighters' emergency operation.

(b) A decrease in travel shall conform to the requirements of ASME A17.1 section 3.4.3.

(11) This is a department rule in addition to the requirements in ASME A17.1 section 8.7.3.31.8 (c): All elevators in the building equipped with firefighters' emergency operation shall conform to the requirements in ASME A17.1 section 2.27.8 for switch keys.

(12) This is a department rule in addition to the requirements in ASME A17.1 section 8.7.3.31.8 (d): All elevators in the building equipped with firefighters' emergency operation shall conform to the requirements in ASME A17.1 section 2.27.8 for switch keys.

(13) Substitute the following wording for the requirements in ASME A17.1 section 8.7.4.1: Where any alteration is made to a rack-and-pinion elevator, the altered portion shall comply with section 4.1.

(14) Substitute the following wording for the requirements in ASME A17.1 section 8.7.4.2: Where any alteration is made to a screw-column elevator, the altered portion shall comply with section 4.2.

(15) The requirements in ASME A17.1 section 8.7.5.3 are not included as part of this chapter.

History: CR 19-118: cr. Register May 2020 No. 773, eff. 6-1-20.

SPS 318.17089 Code data plate. Substitute the following wording for the requirements in the introductory paragraph of ASME A17.1 section 8.9: ASME A17.1 section 8.9 contains requirements for all new equipment within the scope of this chapter.

History: CR 19-118: cr. Register May 2020 No. 773, eff. 6-1-20.

SPS 318.170810 Acceptance inspections and tests, general requirements. (1) PERSONS AUTHORIZED TO MAKE ACCEPTANCE INSPECTIONS AND TESTS. Substitute the following wording for the requirements in ASME A17.1 sections 8.10.1.1.1 and 8.10.1.1.3: All acceptance inspections shall be performed by licensed elevator inspectors.

(2) PERSONS INSTALLING OR ALTERING EQUIPMENT. This is a department rule in addition to the requirements in ASME A17.1

section 8.10.1.1.2: The installation may not be placed in service until authorized by the department or agent municipality.

(3) ACCEPTANCE TEST REPORTS. This is a department rule in addition to the requirements in ASME A17.1 section 8.10.1.1.5: The results of acceptance tests including those required to be witnessed by the licensed elevator inspector shall be recorded on forms of the department or agent municipality. Where witnessed, forms are not required to be submitted to the department or agent municipality.

Note: Forms required under this chapter are available on the department's website at <https://dps.wi.gov>, or by request from the Department of Safety and Professional Services, P. O. Box 7302, Madison, Wisconsin 53708, or call (608) 266-2112.

(4) REPLACEMENT OF SPEED GOVERNOR INSPECTION AND TEST REQUIREMENTS. This is a department rule in addition to the requirements in ASME A17.1 section 8.10.2.3.2 (f): Where a speed governor is replaced, in accordance with 8.6.3.6.1, tests shall be performed as specified in ASME A17.1 sections 8.10.2.2.2 (hh) and 8.6.4.20.2 (b).

(5) ELEVATORS USED FOR CONSTRUCTION. This is a department rule in addition to the requirements in ASME A17.1 section 8.10.5.10: The department may conduct a maximum of 2 billable construction use inspections in a 90-day period unless the department finds probable cause for additional inspections.

History: CR 19-118: cr. Register May 2020 No. 773, eff. 6-1-20.

SPS 318.170811 General requirements for periodic inspections and witnessing of tests. (1) PERSONS AUTHORIZED TO PERFORM PERIODIC INSPECTIONS AND TO WITNESS TESTS. Substitute the following wording for the requirements in ASME A17.1 sections 8.11.1.1 and 8.11.1.1.1: Licensed elevator inspectors performing periodic inspections shall comply with the applicable credentialing requirements in ch. SPS 305.

(2) PERSONS AUTHORIZED TO PERFORM PERIODIC TESTS. Substitute the following wording for the requirements in ASME A17.1 section 8.11.1.1.2 (a): Licensed or registered elevator personnel performing periodic inspections and tests under ASME A17.1 section 8.11 shall comply with ch. SPS 305. Licensed elevator inspectors may choose to witness tests.

(3) PERIODIC TEST REPORTS. Substitute the following wording for the requirements in ASME A17.1 section 8.11.1.1.2 (b): Results of required tests shall be reported by the person performing the test, on approved forms, where required.

Note: Forms required under this chapter are available on the department's website at <https://dps.wi.gov>, or by request from the Department of Safety and Professional Services, P.O. Box 7302, Madison, Wisconsin 53708, or call (608) 266-2112.

(4) PERIODIC INSPECTION AND TEST FREQUENCY. Substitute the following wording for the requirements in ASME A17.1 section 8.11.1.3:

(a) Periodic inspections shall be made at intervals not longer than one year.

(b) Except as provided in sub. (8), category 1 periodic tests shall be made at intervals not longer than one year.

(c) Category 3 periodic tests shall be made at intervals not longer than 3 years.

(d) Category 5 periodic tests shall be made at intervals not longer than 5 years.

(5) INSTALLATION PLACED OUT OF SERVICE. Substitute the following wording for the requirements in ASME A17.1 section 8.11.1.4:

(a) Placing a conveyance out of service shall include all of the following:

1. Removal of power feed lines from the load side terminals of the electrical disconnecting means.

2. Sealing of the disconnecting means in the open position.

3. Hoistway doors and access doors for an elevator, dumb-waiter, or material lift shall be permanently barricaded or mechanically fastened in the closed position with additional means. Only the landing where the car or platform is located may be secured by using the interlock.

Note: See ASME A17.1 section 8.1.3 for requirements relating to Group 2 security.

4. Securing the car and counterweights, where provided, to prevent either from falling due to suspension—member or equipment failure.

5. For escalators or moving walks, barricading of entrances to prevent access. Barricades shall be constructed in accordance with the building code.

6. Verification of compliance with subds. 1. to 4. by the department or agent municipality.

7. Written approval of the building code authority where a conveyance is part of a required accessible route in an occupied building.

(b) A conveyance placed out of service is no longer required to have periodic inspections or tests.

(c) Before the conveyance may be returned to service, a conveyance placed out of service shall have all applicable periodic inspections and tests performed, and shall meet the permit to operate requirements in s. SPS 318.1011.

(6) INSTALLATION CONVERTED TO A TYPE A MATERIAL LIFT. These are department rules in addition to the requirements in ASME A17.1 section 8.11.1.4:

(a) Converting an existing elevator to a type A material lift shall include all of the following:

1. Removal of in-car controls.

2. Installations of signs meeting ANSI Z535.4 or its equivalent stating “For Material Only. No Riders Permitted” at the hall controls and the former location of the car operating panel in letters not less than 1/2 inch in height and centered on the back wall of the car 72 inches above the car floor in letters not less than 2 inches in height.

3. Verification of compliance with subds. 1. and 2. by the department or agent municipality.

4. Written approval of the building code authority where the elevator is part of a required accessible route in an occupied building.

(b) A conveyance converted to a type A material lift is no longer required to have periodic inspections or tests.

Note: A type A material lift, although not regulated by the department, is still subject to federal or state regulations regarding occupational safety. Improper maintenance can result in injury or death for persons loading or unloading materials, maintaining equipment, or otherwise occupying the building.

(c) Converting a type A material lift back to a conveyance shall include complying with the permit-to-operate requirements in s. SPS 318.1011 and satisfactory completion of all applicable tests and inspections prior to returning the elevator to service.

(7) PERIODIC INSPECTION AND TESTS OF ESCALATORS AND MOVING WALKS. (a) *Clearance between step and skirt.* This is a department rule in addition to the requirements in ASME A17.1 section 8.6.8.2: Results of the clearance between the step and skirt shall be submitted to the department or agent municipality on approved forms.

(b) *Step/skirt performance index.* This is a department rule in addition to the requirements in ASME A17.1 sections 8.6.8.3.1 to 8.6.8.3.3: Results of the step/skirt performance index test shall be submitted to the department or agent municipality on approved forms.

Note: Forms required under this chapter are available on the department’s website at <https://dps.wi.gov>, or by request from the Department of Safety and Professional Services, P. O. Box 7302, Madison, Wisconsin 53708, or call (608) 266-2112.

(8) PERIODIC TESTS OF DUMBWAITERS. Category 1 periodic tests of dumbwaiters shall be made at intervals of not longer than 5 years.

History: CR 19-118: cr. Register May 2020 No. 773, eff. 6-1-20; correction in (5) (a) 6. made under s. 35.17, Stats., Register May 2020 No. 773.

SPS 318.1709 Reference codes, standards, and specifications. (1) This is a department rule in addition to the requirements in ASME A17.1 Part 9: Any code or standard listed

in section 9.1 without a specific year of issuance shall mean the published edition of that code or standard which was available on May 30, 2017, except where a different edition is specified directly or indirectly in the building code, that different edition applies.

(2) (a) Substitute chs. SPS 361 to 366 for the reference to ICC/ANSI A117.1 in ASME A17.1 section 9.1 and in any other ASME A17.1 section where that reference appears.

(b) Substitute ch. SPS 316 for the reference to NFPA 70 in ASME A17.1 section 9.1 and in any other ASME A17.1 section where that reference appears.

History: CR 14-020: cr. Register August 2014 No. 704, eff. 9-1-14; CR 19-118: cons. and renum. (1) (intro.) and (a) to (1) and am., r. (1) (b) Register May 2020 No. 773, eff. 6-1-20.

Subchapter V — Changes, Additions, or Omissions to ASME A18.1

SPS 318.1800 Platform lifts and stairway lifts.

(1) GENERAL. Vertical platform lifts, inclined platform lifts, and stairway lifts shall be designed, constructed, installed, operated, maintained, tested, and inspected in accordance with ASME A18.1, except as otherwise provided in this chapter.

Note: The commercial building code, chapters SPS 361 to 366, establishes standards for buildings and components that may be associated with platform lifts and stairway lifts, including ramps, ramp slopes, stairway egress width, and the location, clearances, or position of controls for people with disabilities.

(2) CHANGES, ADDITIONS, AND OMISSIONS. Changes, additions, or omissions to ASME A18.1 are specified in this subchapter and are rules of the department and are not requirements in ASME A18.1.

Note: The sections in this chapter are generally numbered to correspond with the section numbering in ASME A18.1. For example, section SPS 318.1801 corresponds to ASME A18.1 Section 1.

History: CR 14-020: cr. Register August 2014 No. 704, eff. 9-1-14.

SPS 318.1801 Scope, application, and definitions.

(1) SCOPE AND APPLICATION. Substitute the following informational note for the requirements in ASME A18.1 section 1.1:

Note: See sections SPS 318.1002 and 318.1003 for scope and application requirements.

(2) DEFINITIONS. (a) Substitute the following definitions for the corresponding definitions specified in ASME A18.1 section 1.3:

1. “Authority having jurisdiction” means the department of safety and professional services, except as designated under s. SPS 318.1012.

2. “Building code” means chs. SPS 361 to 366.

(b) This definition is in addition to the definitions in ASME A18.1 section 1.3: “Periodic inspection and tests” means routine inspection and tests plus additional detailed examination and operation of equipment at specified intervals to check for compliance with the applicable requirements.

(3) REFERENCE CODES, STANDARDS, AND SPECIFICATIONS. (a) This is a department rule in addition to the requirements in ASME A18.1 section 1.5: Any code or standard listed in Table 1.5-1 without a specific year of issuance shall mean the published edition of that code or standard which was available on August 3, 2017, except where a different edition is specified directly or indirectly in the building code.

(b) Substitute ASME A17.1-2016 for the ASME A17.1 reference in ASME A18.1 Table 1.5-1.

(c) Substitute ch. SPS 316 for the reference to NFPA 70 in ASME A18.1 Table 1.5-1 and in any other ASME A18.1 section where that reference appears.

History: CR 14-020: cr. Register August 2014 No. 704, eff. 9-1-14; CR 19-118: renum. (2) (intro.), (a), (b) to (2) (a) (intro.), 1., 2., renum. (2) (c) to (2) (b) and am., (3) (a), (b) Register May 2020 No. 773, eff. 6-1-20.

SPS 318.1802 Vertical platform lifts. **(1) RUNWAY ENCLOSURE PROVIDED.** (a) This is a department rule in addition to

the requirements in ASME A18.1 sections 2.1.1.2 and 2.1.1.3: The clearance between the platform and the glazing in a fire-rated runway door shall be not more than 1 1/4 inches. The shear condition at the top of any glazing in the door shall be beveled at not less than 45 degrees.

(b) This is a department rule in addition to the requirements in ASME A18.1 section 2.1.1.7: Where the platform enclosure extends less than 79 inches above the platform, the horizontal clearance between the platform enclosure on a side not containing an entrance and the adjacent runway enclosure wall or the vertical surface of the machine tower may not exceed 4 inches. The horizontal clearance between the platform enclosure and the runway enclosure walls on either side of the machine tower may not exceed 12 inches. These maximum clearances do not apply to spaces above the machine tower or to any point more than 42 inches above the top landing.

(2) PARTIAL RUNWAY ENCLOSURE PROVIDED. (ag) This is a department rule in addition to the requirements in ASME A18.1 sections 2.1.1.2 and 2.1.1.3: Where the lift side of the door and sill present a smooth surface located not closer than 3/8 inch and not more than 3/4 inch from the access edge of the platform floor, the clearance between the edge of the platform floor and the glazing in a fire-rated runway door may not be more than 1 1/4 inches. The shear condition at the top of any glazing in the door shall be beveled at not less than 45 degrees.

(ar) This is a department rule in addition to the requirements in ASME A18.1 section 2.1.2.1: Where the platform enclosure extends less than 79 inches above the platform, the horizontal clearance between the platform enclosure on a side not containing an entrance and the adjacent runway enclosure wall or the vertical surface of the machine tower may not exceed 4 inches. The horizontal clearance between the platform enclosure and the runway enclosure walls on either side of the machine tower may not exceed 12 inches. These maximum clearances do not apply to spaces above the machine tower or to any point more than 42 inches above the top landing.

(b) This is a department rule in addition to the requirements in ASME A18.1 section 2.1.2.3: Where the lift side of the door and sill present a smooth surface located not closer than 3/8 inch and not more than 3/4 inch from the access edge of the platform floor, the clearance between the edge of the platform floor and the glazing in a fire-rated runway door shall be not more than 1 1/4 inches. The shear condition at the top of any glazing in the door shall be beveled at not less than 45 degrees.

(3) RUNWAY ENCLOSURE NOT PROVIDED. This is a department rule in addition to the requirements in ASME A18.1 section 2.1.3: Lifts without runway enclosures shall meet the building code, specifically for any unguarded space below the lift platform of more than 27 inches above the floor.

(3m) RELOCATABLE LIFTS. The requirements of ASME A18.1 section 2.1.5 are not included as part of this chapter.

(4) RAMPS. (a) Substitute the following wording for the requirements in ASME A18.1 section 2.1.7.1: Ramps, where provided, shall be in accordance with the building code.

Note: A surface steeper than 1:48 within the wheelchair-maneuvering clearances that are required by the building code at a lift entrance are also required by the building code to have a power-opening entrance, with clearances to the lift call and door-opener button also meeting the building code.

(b) Substitute the following wording for the requirements in the last sentence and pars. (a) to (e) of ASME A18.1 section 2.1.7.2: When in use, the inclination of retractable ramps shall be in accordance with the building code.

(5) SIZE OF END ENTRANCE PLATFORMS. Substitute the following wording for the requirements in ASME A18.1 section 2.6.5: Platform lifts shall have a minimum clear width of 36 inches and a minimum clear length of 54 inches. For lifts complying with ASME A18.1 sections 2.1.1, 2.1.2, and 2.1.3, the net inside floor area may not exceed 18 square feet. For lifts complying with ASME A18.1 section 2.1.4, the net inside floor area may not

exceed 25 square feet. Platform lift controls and the required grab rail or grab bar may not project more than 4 inches from the platform side wall measured between a minimum of 30 inches to a maximum of 48 inches above the platform floor.

(6) ILLUMINATION. Substitute the following wording for the requirements in ASME A18.1 section 2.6.6.3: An auxiliary illumination source shall be provided to give general illumination of not less than 0.2 foot candles on the floor and controls. The auxiliary illumination system shall function according to all of the following:

- (a) Activate when normal illumination fails.
- (b) Utilize not less than 2 lamps of approximately equal intensity.
- (c) Provide illumination of at least 0.2 foot candles for at least 90 minutes if the lift is designed and installed to operate normally for at least 2 cycles up and down after the lift's main power fails.

(d) Provide illumination of at least 0.2 foot candles for at least 4 hours if the lift is not designed and installed to operate normally for at least 2 cycles up and down after the lift's main power fails.

(7) LIMITATION ON LOAD SPEED AND TRAVEL. Substitute the following wording for the requirements in the first and second sentences of ASME A18.1 section 2.7.1: Platforms with a floor area of 18 square feet or less shall have a rated load of not less than 750 pounds.

(8) OPERATING DEVICES. Substitute the following wording for the requirements in ASME A18.1 section 2.10.1: Operation of the lift from the landings and platform shall be controlled by continuous-pressure-type switches. The operating devices shall be designed so that both the up and down circuits cannot be operated at the same time.

Note: See the building code for requirements relating to accessible controls, operation, and signage.

(9) MANUAL OPERATION. Substitute the following wording for the requirements in ASME A18.1 section 2.10.10: A vertical platform lift which is not connected to a building's standby or emergency power and which is not equipped with rechargeable battery power capable of cycling the lift under full load for at least 2 cycles after normal building power is removed shall be provided with a means to manually raise or lower the platform to a landing. The means shall be operable only by lift personnel, and from a landing, without working directly over the platform.

(10) EMERGENCY SIGNALS. (am) These are department rules in addition to the requirements in ASME A18.1 sections 2.11, 2.11.1, and 2.11.3:

1. A vertical platform lift installed outdoors shall have an emergency signaling device provided in accordance with the requirements in ASME A18.1 sections 2.11.1 and 2.11.3, with a sound pressure rating of not less than 80 decibels nor greater than 90 decibels at 10 feet away. The signal shall respond without delay when the switch is activated.

2. A vertical platform lift installed indoors in a building that is staffed 24 hours per day shall have a signaling device provided in accordance with ASME A18.1 sections 2.11.1 and 2.11.3, which is audible at 10 decibels minimum above ambient sound, at a continuously-staffed location. The signal shall respond without delay when the switch is activated.

(bm) Substitute the following wording for the requirements in ASME 18.1 section 2.11.2: A vertical platform lift meeting the requirements in ASME A18.1 sections 2.1.1, 2.1.2, or 2.1.3 that is installed indoors in an area which is not visible to personnel at all times shall have emergency signaling devices provided in accordance with the requirements in ASME A18.1 section 2.11.1 and ASME A17.1 sections 2.27.1.1.1 to 2.27.1.1.3 and 2.27.1.1.5 except "in the elevator" and "in the car" mean "on the platform."

History: CR 14-020: cr. Register August 2014 No. 704, eff. 9-1-14; CR 19-118: renum. (2) (a) to (2) (ar), cr. (2) (ag), am. (2) (b), cr. (3m), am. (4) (a), (b), cons. and renum. (5) (intro.) and (a) to (5) and am., r. (5) (b), am. (9), renum. (10) (intro.), (a), (b), (c) to (10) (am) (intro.), 1., 2., (bm) and, as renumbered, am. (10) (am) (intro.), (bm) Register May 2020 No. 773, eff. 6-1-20.

SPS 318.1803 Inclined platform lifts. (1) RUNWAYS. Substitute the following wording for the requirements in ASME A18.1 section 3.1.1: Inclined platform lifts shall be installed so that the necessary means of egress is maintained as required in the building code. For new installations, the egress width shall be measured with the inclined platform lift in the unfolded, usable position. For replacement of a previously approved inclined platform lift, the egress width may remain as it has been with the original lift in place, but may not be reduced by the replacement.

(2) LOWER LEVEL ACCESS RAMPS AND PITS. (a) Substitute the following wording for the requirements in ASME A18.1 section 3.1.4.1: Ramping inclinations for floor-mounted ramps shall be in accordance with the building code.

Note: Under the building code, a floor surface steeper than 1:48 within the required wheelchair-maneuvering clearances at a lift entrance is a ramp, and a lift entrance at a ramp must have a power-opening device. Clearances to the lift call and door-opener button must also meet the building code.

(b) Substitute the following wording for the requirements in the last sentence and pars. (a) to (e) of ASME A18.1 section 3.1.4.2: When in use, the inclination of retractable ramps shall be in accordance with the building code.

(3) OPERATING DEVICES. Substitute the following wording for the requirements in ASME A18.1 section 3.10.1: Operation of the lift from the landings and platform shall be controlled by continuous-pressure-type switches. The operating devices shall be designed so that both the up and down circuits cannot be operated at the same time.

Note: See the building code for requirements relating to accessible controls, operation, and signage.

History: CR 14-020: cr. Register August 2014 No. 704, eff. 9-1-14.

SPS 318.1804 Inclined stairway chair lifts. Substitute the following wording for the requirements in ASME A18.1 section 4.1.1: Stairway chairlifts shall be installed so that the required means of egress is maintained as required in the building code. For new installations, the egress width shall be measured with the stairway chair lift in the unfolded, usable position. For replacement of a previously approved stairway chair lift, the egress width may remain as it has been with the original lift in place, but may not be reduced by the replacement.

Note: Stairway chairlifts complying with this section may be installed as a convenience for individuals but are not recognized by the building code as providing accessibility due to the inability of a wheelchair user to use them without assistance.

History: CR 14-020: cr. Register August 2014 No. 704, eff. 9-1-14.

SPS 318.1808 Hydraulic driving means. These are department rules in addition to the requirements in ASME A18.1 section 8.1:

(1) SHUTOFF VALVE. (a) A manually operated shutoff valve shall be provided between the hydraulic pump unit and the hydraulic cylinder.

(b) For a lift with a machine room, the shutoff valve under par. (a) shall be located inside the machine room and adjacent to the hydraulic pump unit.

(2) PUMP RELIEF VALVE. (a) *General.* Each pump or group of pumps shall be equipped with one or more relief valves conforming to all of the following, except as specified in par. (b):

1. Be located between the pump and the check valve.
2. Be of such a type and so installed in the bypass connection, that the valve cannot be shut off from the hydraulic system.
3. Be of sufficient size, individually or accumulatively, to pass the maximum rated capacity of the pump without raising the pressure more than 50% above the working pressure. Two or more relief valves may be used to obtain the required capacity.
4. Be sealed after being set to the correct pressure.

(b) *No relief valve.* A relief valve is not required for centrifugal pumps driven by induction motors, provided the shut-off, or maximum pressure that the pump can develop, is not greater than 135% of the working pressure at the pump.

(3) CHECK VALVE. A check valve shall be provided that will hold the platform lift with the rated load at any point if either of the following occurs:

- (a) The pump stops and the down valves are closed.
- (b) The maintained pressure drops below the minimum operating pressure.

(4) PRESSURE-GAUGE FITTINGS. A pressure-gauge fitting with a shutoff valve shall be provided at either of the following locations:

- (a) On the cylinder side of the check valve.
- (b) Immediately adjacent to the hydraulic control valve.

(5) TYPE TESTS, CERTIFICATION, AND MARKING PLATES FOR CONTROL VALVES. (a) *Engineering tests and certification process.* Each type or model and make of a hydraulic control valve shall be subjected to the engineering tests and to the certification process specified in ASME A17.1 section 8.3.5, except ASME A17.1 section 8.3.5.3.1 does not apply.

(b) *Hydraulic controls.* Hydraulic control valves shall be plainly marked in a permanent manner with all of the following information:

1. The certifying organization's name or identifying symbol.
2. The name, trademark, or file number by which the organization that manufactured the product can be identified.
3. Type designation.
4. Component-rated pressure.
5. Electrical coil data.

History: CR 14-020: cr. Register August 2014 No. 704, eff. 9-1-14.

SPS 318.1809 Rope sockets. This is a department rule in addition to the requirements in ASME A18.1 section 9.8: Where wedge rope sockets are provided, they shall conform to the requirements in ASME A17.1 section 2.20.9.5.

History: CR 14-020: cr. Register August 2014 No. 704, eff. 9-1-14.

SPS 318.1810 Routine, periodic, and acceptance inspections and tests. (1) INSPECTORS. The requirements in ASME A18.1 sections 10.1.1 to 10.1.4 are not included as part of this chapter.

Note: See s. SPS 318.1011 for additional requirements relating to inspections

(2) APPLICABILITY OF INSPECTION AND TEST REQUIREMENTS. Substitute the following wording for the requirements in ASME A18.1 section 10.1.5: Inspections and tests required by subs. (4) to (8) are to determine whether the equipment conforms to whichever of the following are applicable:

- (a) The standard in effect on the contract date for the original installation.
- (b) For altered components, the standard in effect on the contract date for the alteration.

(3) INSTALLATION PLACED OUT OF SERVICE. Substitute the following wording for the requirements in ASME A18.1 section 10.1.6:

(a) When an installation is placed out of service, all of the following requirements shall be met:

1. The power feed lines shall be disconnected from the machine disconnect switch or equivalent.
2. For a vertical platform lift, the doors or gates shall be secured against opening.
3. The department or agent municipality shall be notified.
4. The department or agent municipality may inspect the lift and charge an inspection fee.
5. Periodic inspections and tests may be discontinued while a lift is out of service.
6. Written approval of the building code authority where a conveyance is part of a required accessible route in an occupied building.

(b) Before the lift may be placed back into service, all applicable inspections and tests shall be performed as required by subs.

(2) and (4) to (8), and the permit-to-operate requirements in s. SPS 318.1011 shall be met.

Note: The building code may prohibit placing a vertical or inclined platform lift out of service where used by persons with disabilities. Consult with a building inspector for written permission prior to placing it out of service.

(4) **ROUTINE INSPECTIONS AND TESTS.** Substitute the following wording for the requirements in ASME A18.1 section 10.2.1: Routine inspections and tests of sections 2 and 3 lifts shall be performed at intervals of not longer than one year. Routine inspections and tests of section 4 lifts shall be performed at intervals of not longer than 3 years.

(5) **INSPECTIONS AND TEST REQUIREMENTS.** Substitute the following wording for the requirements in ASME A18.1 section 10.2.2: Routine inspections shall include the applicable items listed in ASME A18.1 sections 10.2.2.1 to 10.2.2.4. Where an inspection reveals a need for a test to be conducted, the licensed elevator inspector may order the test.

(6) **PERIODIC INSPECTIONS AND TESTS.** Substitute the following wording for the requirements in ASME A18.1 section 10.3: Periodic inspections shall be performed at the same time as routine inspections. Where an inspection reveals a need for a test to be conducted, the inspector may order the test.

(7) **FIVE-YEAR INSPECTION AND TEST REQUIREMENTS.** (a) This is a department rule in addition to the requirements in ASME A18.1 section 10.3.3.1: Where a lift is equipped with a safety device that is subject to testing, the 5-year safety test – and where applicable, the governor test in ASME A18.1 section 10.3.3.2 – shall be performed. The test results shall be submitted to the department or agent municipality on an approved form.

Note: Forms required under this chapter are available on the department's website at <https://dps.wi.gov>, or by request from the Department of Safety and Professional Services, P. O. Box 7302, Madison, Wisconsin 53708, or call (608) 266-2112.

(b) This is a department rule in addition to the requirements in ASME A18.1 section 10.1.3: The hydraulic control valves shall be tested in accordance with the requirements in ASME A17.1 8.10.3.2.2 (v).

(c) Substitute the following wording for the requirements in ASME A18.1 subsection 10.3.3.1 (b): For Type A safeties and Type A safety parts of Type C safeties, there shall be sufficient travel of the safety rollers or dogs remaining after the test to bring the platform and its rated load to rest on safety application at governor tripping speed. A metal tag shall be attached to the lift tower in a permanent manner that is readily visible to inspectors without disassembly, giving the date of the safety test together with the name of the person or firm who performed the test.

(8) **INSPECTION AND TEST REQUIREMENTS FOR ALTERED INSTALLATIONS.** Substitute the following wording for the requirements in ASME A18.1 section 10.5: Where an alteration is made to an existing installation, the affected components shall comply with the applicable portions of ASME A18.1 sections 2 to 4, 8, and 9.

Note: Where plan submittal and approval and inspections are required under Table SPS 318.1007-4, inspections and tests are required as specified in subsection (2).

History: CR 14-020: cr. Register August 2014 No. 704, eff. 9-1-14; CR 19-118: cr. (3) (a) 6., am. (4), (5), renum. (7) to (7) (a), cr. (7) (b), (c) Register May 2020 No. 773, eff. 6-1-20.

SPS 318.1811 Maintenance logs. (1) WEEKLY OPERATION PROCEDURE. The requirements in ASME A18.1 section 11.1.2 (c) are not included as part of this chapter.

(2) **ON-SITE DOCUMENTATION.** This is a department rule in addition to the requirements in ASME A18.1 part 11.3: For a lift having an inspection and test panel, the inside cover of the inspection and test panel shall provide instructions for locating the on-site documentation. Instructions shall be permanently legible with lettering not less than 1/8 inch in height.

History: CR 19-118: cr. Register May 2020 No. 773, eff. 6-1-20.

Subchapter VI — Changes, Additions, or Omissions to ANSI E1.42

SPS 318.4200 Entertainment technology. (1) GENERAL. Orchestra pit lifts shall be designed, constructed, installed, operated, maintained, tested, and inspected in accordance with ANSI E1.42, except as otherwise provided in this subchapter.

(2) **CHANGES, ADDITIONS, AND OMISSIONS.** Changes, additions, or omissions to ANSI E1.42 are specified in this subchapter and are rules of the department and are not requirements in ANSI E1.42.

Note: The sections in this subchapter are generally numbered to correspond with the chapter numbering in ANSI E1.42. For example, section SPS 318.4201 corresponds to ANSI E1.42 Chapter 1.

(3) **RETROACTIVITY.** The operation, testing, maintenance, and periodic inspection requirements of this subchapter apply to all orchestra pit lifts existing prior to June 1, 2020.

(4) **PIT ACCESS.** Orchestra pit lifts installed after June 1, 2020, in accordance with this subchapter shall include a means to access the pit for use when the lift is at the lowest landing.

(5) **STAGE FALL PROTECTION PLAN.** An orchestra pit lift owner shall develop and implement a protection plan to address the hazard of stage edge falls.

Note: An example of a stage edge fall protection plan is available in ANSI E1.42 Annex B.

History: CR 19-118: cr. Register May 2020 No. 773, eff. 6-1-20.

SPS 318.4201 Scope and application. (1) The statement in ANSI E1.42 section 1.1.1.1 is not included as part of this subchapter.

(2) This is a department rule in addition to the requirements in ANSI E1.42 section 1.1.2: This subchapter covers the design, construction, operation, inspection, testing, maintenance, alteration, and repair of orchestra pit lifts and the associated parts, rooms, spaces, and hoistways.

(3) This is a department rule in addition to the requirements in ANSI E1.42 section 1.1.4: An orchestra pit lift that is not covered by this subchapter shall be subject to s. SPS 318.1700 (1).

History: CR 19-118: cr. Register May 2020 No. 773, eff. 6-1-20.

SPS 318.4202 Reference codes, standards, and specifications. Substitute the following requirement for ANSI E1.42 section 2.1: All references listed in ANSI E1.42 section 2.2 are informational only and are not requirements of this subchapter.

History: CR: 19-118: cr. Register May 2020 No. 773, eff. 6-1-20.

SPS 318.4203 Definitions. (1) Substitute the following definitions for the corresponding definitions specified in ANSI E1.42 chapter 3:

(a) “Authority having jurisdiction” means the department of safety and professional services, except as designated under s. SPS 318.1012.

(b) “Lifting load” means the load that the equipment is designed and installed to lift at the rated speed.

(c) “Qualified person” means one who is licensed for the corresponding work by the department under s. SPS 305.991.

(d) “Static load” means the live load that the orchestra pit lift is designed and installed to support while the lift platform is not in motion as provided by the manufacturer upon installation or as approved by the department.

(2) This is a department definition in addition to the definitions in ANSI E1.42 chapter 3: “Orchestra pit lift” has the meaning given in s. SPS 318.1004 (10) (g).

History: CR 19-118: cr. Register May 2020 No. 773, eff. 6-1-20.

SPS 318.4204 Design requirements. (1) Substitute the following wording for the requirements in ANSI E1.42 section 4.3.3: The horizontal gaps between the edges of the lift platform floor and fixed floors shall be greater than zero, in order to avoid direct contact, and not greater than 3/4 inch.

(2) This is a department rule in addition to the requirements in ANSI E1.42 section 4.1.4.1: The means of stopping and preventing unintended movement of the lift platform shall be tested at 100% of rated load.

(3) Substitute the following wording for the requirements in ANSI E1.42 section 4.1.4.1.2: An inherently self-locking gear reducer or actuator that resists motion by a restraining force 150% or greater than the applied force may be permitted for use as secondary means against uncontrolled or unintended movement, where available from the manufacturer. Where the secondary means is installed, it shall be inspected by a qualified person.

(4) This is a department rule in addition to requirements in ANSI E1.42 section 4.3.3.1: The horizontal gaps shall be measured between the edge of the lift platform surface and the edge of the fixed floor.

(5) This is a department rule in addition to requirements in ANSI E1.42 section 4.6.1: The illumination levels shall be a minimum of 19 foot candles at the controller with the door open or closed, at the main disconnect location, and at the drive machines. The remainder of the pit floor shall be a minimum of 10 foot candles, including at access levels, the route to controller and disconnect location, and any other Group 2 areas, in accordance with ASME A17.1, section 2.2.5, as applicable.

History: CR 19-118: cr. Register May 2020 No. 773, eff. 6-1-20.

SPS 318.4205 Control systems. (1) This is a department informational note to be used under ANSI E1.42 section 5.1.3:

Note: See s. SPS 316.620 and NEC 620 for additional requirements.

(2) Substitute the following wording for the requirements in ANSI E1.42 section 5.5.4: When actual and stored position data differ, setting or restoring position data for the lift shall only be done by qualified or competent persons.

(3) Substitute the following wording for the requirements in ANSI E1.42 section 5.6.1.2: The circumstances requiring the override shall be investigated by a competent person before an override is engaged and may only be performed by an authorized person in communication with the operator. Override devices shall be located in a position so as to provide the authorized person a clear line of sight to the condition requiring the override. Indicators at all operator positions shall change state to inform the operator that the override has been engaged. The override device may not initiate motion without the direct action of the lift operator and shall limit speed and direction of travel while engaged.

History: CR 19-118: cr. Register May 2020 No. 773, eff. 6-1-20.

SPS 318.4206 Safety systems. (1) This is a department rule in addition to requirements in ANSI E1.42 section 6.3.1.2: Suitable active guarding mechanisms shall be per manufacturer's recommendations or as approved by the department.

(2) This is a department rule in addition to requirements in ANSI E1.42 section 6.4.6: The emergency unlocking or unlatching release systems shall be accessible only to competent persons.

History: CR 19-118: cr. Register May 2020 No. 773, eff. 6-1-20.

SPS 318.4207 Installation and inspections.

(1) Substitute the following for the requirements in ANSI E1.42 section 7.1.1: Orchestra pit lifts shall be tested in accordance with the applicable criteria in ASME A17.1 section 8.6.

(2) The requirement in ANSI E1.42 section 7.1.4 is not included as part of this subchapter.

(3) Substitute the following for the requirements in ANSI E1.42 section 7.2.2: Compliance testing may be observed by the department.

(4) Substitute the following wording for the requirements in ANSI E1.42 section 7.9.7.5: Any additional issues as identified by the manufacturer's instructions or noted by the department during previous inspections.

(5) These are department rules in addition to requirements in ANSI E1.42 chapter 7:

(a) Periodic inspections shall be made at intervals not longer than one year.

(b) Periodic tests in conformance with ANSI E1.42 sections 7.3, 7.4, 7.5, and 7.8 shall be made at intervals not longer than one year.

(c) Periodic tests in conformance with ANSI E1.42 sections 7.6, 7.7, 7.9, and 7.10 shall be made at intervals not longer than 5 years.

History: CR 19-118: cr. Register May 2020 No. 773, eff. 6-1-20.

SPS 318.4208 Operation, maintenance, and repair.

(1) Substitute the following wording for the requirements in ANSI E1.42 section 8.1.2: A written record of all trainings for competent persons and authorized persons, including the names of the competent persons, the names of the authorized persons, the names and affiliations of the trainers, and the dates of any training received from the trainers shall be maintained and shall be made available for inspection on request.

(2) Substitute the following wording for the requirements in ANSI E1.42 section 8.2.4: If a fault, malfunction, damage, unusual sound, or other unusual performance of the orchestra pit lift occurs, then the operator shall stop the lift and evaluate the lift status. If corrective action cannot be taken within the authority of the operator, then the lift shall be taken out of service and referred to a competent person. Any such event and resulting actions shall be reported in accordance with section 8.3.4.

(3) Substitute the following wording for the requirements in ANSI E1.42 section 8.3.3: For new installations, the initial maintenance control program shall be provided by the equipment manufacturer. For existing equipment undergoing any alteration, repair, or replacement, the maintenance control program for the altered, repaired, or replaced components shall be provided by the person or firm performing the work. The maintenance control program shall be made available at the scheduled time for service, tests, or inspection.

(4) This is a department rule in addition to requirements in ANSI E1.42 section 8.3.4: A paper copy of the record shall be available.

(5) Substitute the following wording for the requirements in ANSI E1.42 section 8.4.1.2: Alterations and repairs to orchestra pit lifts manufactured to this standard shall be performed or supervised by qualified persons, in accordance with s. 101.984, Stats.

(6) Substitute the following wording for the requirements in ANSI E1.42 section 8.4.6.1: Orchestra pit lifts subject to this subchapter shall be inspected and operationally tested in accordance with ANSI E1.42 by a qualified person after any alterations, replacements, or repairs listed in table SPS 318.1007-1, as applicable. An orchestra pit lift may not be returned to service until it is in compliance with ANSI E1.42 section 8.4.6.

History: CR 19-118: cr. Register May 2020 No. 773, eff. 6-1-20.