



CONVEYANCE SAFETY CODE COUNCIL
Room N207, 4822 Madison Yards Way, Madison
Contact: Helen Leong (608) 266-2112
August 16, 2018

The following agenda describes the issues that the Council plans to consider at the meeting. At the time of the meeting, items may be removed from the agenda. Please consult the meeting minutes for a record of the actions of the Council.

AGENDA
9:00 am

OPEN SESSION – CALL TO ORDER – ROLL CALL

A. Adoption of Agenda

B. Approval of Minutes of March 22, 2018

C. Administrative Matters

- 1) Staff Updates
- 2) New Building Updates
- 3) Scheduling Next Meeting

D. Legislative/Administrative Rule Matters – Discussion and Consideration

- 1) Updates on Legislation and Pending or Other Rulemaking Projects
- 2) Review and Discussion of Proposed Changes and Recommendations to the Conveyance Safety Code, SPS 305 and SPS 318
- 3) Discussion of E1.42, Entertainment Technology – Design, Installation, and Use of Orchestra Pit Lifts
 - a.E1.42 – 2016 Code Issue List
 - b.Draft Subchapter VI incorporating E1.42 to SPS 318
- 4) Discussion of adopting updated standards: ASME 17.1 – 2016, Safety Code for Elevator and Escalators, to the Conveyance Safety Code, SPS 318
- 5) Discussion of adopting updated standards: ASME A18.1-2014 and ASME 18.1 – 2017, Safety Standard for Platform Lifts and Stairway Chairlifts, to the Conveyance Safety Code, SPS 318

E. Future Agenda Items

F. Public Comments

ADJOURNMENT

MEETINGS AND HEARINGS ARE OPEN TO THE PUBLIC, AND MAY BE CANCELLED WITHOUT NOTICE.

Times listed for meeting items are approximate and depend on the length of discussion and voting. All meetings are held at 4822 Madison Yards Way, Madison, Wisconsin, unless otherwise noted. In order to confirm a meeting or to request a complete copy of the board's agenda, please call the listed contact person. The board may also consider materials or items filed after the transmission of this notice. Times listed for the commencement of disciplinary hearings may be changed by the examiner for the convenience of the parties. Interpreters for the hearing impaired provided upon request by contacting the Affirmative Action Officer, 608-266-2112.

**CONVEYANCE SAFETY CODE COUNCIL
MEETING MINUTES
March 22, 2018**

PRESENT: Scot Bromann, Steven Ketelboeter, Jennie Macaluso, Keith Misustin, Ronald Mueller, Brian Rausch, Paul Rosenberg, Harold Thurmer

EXCUSED: Kenneth Smith

STAFF: Helen Leong, Administrative Rules Coordinator; Laura Smith, Bureau Assistant; and other Department staff.

Paul Rosenberg, Chair, called the meeting to order at 9:30 a.m. A quorum of eight (8) members was confirmed.

ADOPTION OF AGENDA

MOTION: Steven Ketelboeter moved, seconded by Ronald Mueller, to adopt the agenda as published. Motion carried unanimously.

APPROVAL OF MINUTES OF JANUARY 17, 2018

- *Ensure that all references to Jennie Macaluso include her full name.*
- *Correct the motion regarding Item 15 in the code spreadsheet to read ‘...to adopt item 15 with amendments as recorded in the spreadsheet.’*
- *Unify language in the record so that all dismissal, rejection, and non-adoption motions use the words ‘to dismiss’.*

MOTION: Steven Ketelboeter moved, seconded by Ronald Mueller, to approve the minutes of January 17, 2018 as amended. Motion carried unanimously.

LEGISLATIVE AND ADMINISTRATIVE RULE MATTERS

MOTION: Harold Thurmer moved, seconded by Steven Ketelboeter, to adopt the Note proposed as Item 12 in the code table. Motion carried unanimously.

MOTION: Ronald Meuller moved, seconded by Steven Ketelboeter, to create SPS 318.1708 (2) (b) 4. b. 1. and 2. as recorded as Item 36 in the code table. Motion carried unanimously.

MOTION: Harold Thurmer moved, seconded by Keith Misustin, to adopt the proposed language as presented as Item 44 in the code table. Motion carried unanimously.

MOTION: Steven Ketelboeter moved, seconded by Ronald Mueller, to adopt the proposed language as amended in Item 45 in the code table. Motion carried unanimously.

MOTION: Steven Ketelboeter moved, seconded by Ronald Mueller, to adopt Item 47 as amended and recorded in the code table. Motion carried unanimously.

MOTION: Jennie Macaluso moved, seconded by Harold Thurmer, to adopt item 52 as amended and recorded in the code table. Motion carried unanimously.

MOTION: Ronald Mueller moved, seconded by Harold Thurmer, to adopt Item 53 as amended and recorded in the code table. Motion carried unanimously.

MOTION: Harold Thurmer moved, seconded by Ronald Mueller, to adopt the proposed language striking SPS 318.1708 (h) as presented in the code table as Item 1a under 'Council Member and Public Recommendations, SPS 318'. Motion carried unanimously.

MOTION: Steve Ketelboeter moved, seconded by Ronald Mueller, to adopt Item 7a as presented in the code table. Motion carried unanimously.

MOTION: Ronald Mueller moved, seconded by Harold Thurmer, to recommend adoption of E1.42-2016 with amendments, with specific code language to be discussed at the next meeting. Motion carried unanimously.

MOTION: Steven Ketelboeter moved, seconded by Ronald Mueller, to adopt the 2016 A17.1 as items 1-13 in the A17.1-2016 **spreadsheet**, and as discussed in the meeting. Motion carried unanimously.

ADJOURNMENT

MOTION: Ronald Mueller moved, seconded by Harold Thurmer, to adjourn the meeting. Motion carried unanimously.

The meeting adjourned at 2:56 p.m.

**State of Wisconsin
Department of Safety & Professional Services**

AGENDA REQUEST FORM

1) Name and Title of Person Submitting the Request: Helen Leong, Administrative Rules Coordinator		2) Date When Request Submitted: August 2, 2018 <small>Items will be considered late if submitted after 12:00 p.m. on the deadline date which is 8 business days before the meeting</small>	
3) Name of Board, Committee, Council, Sections: Conveyance Safety Code Council			
4) Meeting Date: August 16, 2018	5) Attachments: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	6) How should the item be titled on the agenda page? Legislative/Administrative Rule Matters – Discussion and Consideration 1) Review and Discussion of Proposed Changes and Recommendations to the Conveyance Safety Code, SPS 305 and SPS 318 2) Discussion of E1.42, Entertainment Technology – Design, Installation, and Use of Orchestra Pit Lifts a. E1.42 – 2016 Code Issue List b. Draft Subchapter VI incorporating E1.42 to SPS 318 3) Discussion of adopting updated standards: ASME 17.1 – 2016, Safety Code for Elevator and Escalators, to the Conveyance Safety Code, SPS 318 4) Discussion of adopting updated standards: ASME A18.1-2014 and ASME 18.1 – 2017, Safety Standard for Platform Lifts and Stairway Chairlifts, to the Conveyance Safety Code, SPS 318	
8) Is an appearance before the Board being scheduled? <input type="checkbox"/> Yes (Fill out Board Appearance Request) <input checked="" type="checkbox"/> No		9) Name of Case Advisor(s), if required:	
10) Describe the issue and action that should be addressed: 			
11) Authorization			
Signature of person making this request <i>Helen Leong</i>		Date <i>August 2, 2018</i>	
Supervisor (if required)		Date	
Executive Director signature (indicates approval to add post agenda deadline item to agenda) Date			
Directions for including supporting documents: 1. This form should be attached to any documents submitted to the agenda. 2. Post Agenda Deadline items must be authorized by a Supervisor and the Policy Development Executive Director. 3. If necessary, provide original documents needing Board Chairperson signature to the Bureau Assistant prior to the start of a meeting.			

**Wisconsin Department of Safety and Professional Services
 Conveyance Safety Code Council
 Administrative Rule Recommendations SPS 305 & 318**

Items in **GREEN** were discussed and either 1) tabled, or 2) no decision finalized. We will return to items that are highlighted in GREEN.

Items in **ORANGE** were dismissed after discussion and consideration. These items are recommended by the Council to not be included in the Code update.

Items in **PINK** were adopted by the Council – but the proposed language to incorporate this item is pending Council approval.

SPS 318						
NO	RULE PROVISION	ISSUE/REASON FOR CHANGE	PROPOSED BY	EXISTING LANGUAGE AND PROPOSED CHANGE	POTENTIAL IMPACT/COST	COMMENTS/STATUS
1.	SPS 318.1003 (1) (d) Application	Building code exempts agricultural buildings but the elevator code is not clear on this issue	DIS	<p>SPS 318.1003 (1) (d) This chapter does not apply to any conveyances for any of the following buildings or structures:</p> <p>1. a. 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.</p> <p>b. 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.</p> <p>2. Buildings and portions of buildings that are federally owned or exempted by federal statutes, regulations, or treaties.</p> <p>3. Portions of buildings leased to the federal government provided all of the following conditions are met:</p> <p>a. 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.</p> <p>b. The statement recorded with the register of deeds is recorded in a manner that will permit the existence of the statement to be</p>	None	<p>Add allowances for Ag. buildings to be exempt similar to exemption in commercial building code.</p> <p style="color: red;">Discussed and Tabled 11.03.2017; Proposed language pending</p>

SPS 318

NO	RULE PROVISION	ISSUE/REASON FOR CHANGE	PROPOSED BY	EXISTING LANGUAGE AND PROPOSED CHANGE	POTENTIAL IMPACT/COST	COMMENTS/STATUS
				<p>determined by reference to the property where the building is located.</p> <p>c. The owner of the building submits a copy of the recorded document to the department or its authorized representative.</p> <p><u>4. 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 application, "substantially all" means at least 90 percent of the commodities were planted or produced on the farm premises.</u></p> <p><i>See also SPS 361.02 (3) (e), Commercial Building Code</i></p>		
2.	SPS 318.1004 Definitions	Correct definition of "hoistway" to allow it to end at the underside of a ceiling of proper construction as required by the building code.	DIS	<p>Definition of "Hoistway"?</p> <p>Proposed definitions from DIS Discussions:</p> <p>Problem: Does not address conditions where there is a ceiling between the elevator shaft and the roof. The current definition may cause unintended restriction of the use of space between a hoistway ceiling and roof above if considered in the hoistway.</p> <p>Hoistway, suggested definition 1: hoistway (shaft), elevator, dumbwaiter, or material lift: an opening through a building or structure for the travel of elevators, dumbwaiters, or material lifts, extending from the pit floor to a ceiling above where there is a ceiling, or to the underside of the roof above where there is no ceiling.</p> <p>Or accept the dictionary definition of a ceiling as the surface at the underside of the top of the space no matter whether it is a</p>	None	Allow the hoistway to be defined as a smaller volume of space, thereby not limiting the use of space that may exist between a proper hoistway ceiling and the building roof above it.

SPS 318

NO	RULE PROVISION	ISSUE/REASON FOR CHANGE	PROPOSED BY	EXISTING LANGUAGE AND PROPOSED CHANGE	POTENTIAL IMPACT/COST	COMMENTS/STATUS
				<p>typical ceiling assembly, the underside of a roof or the underside of a penthouse machine room floor. Suggested definition 2:</p> <p>hoistway (shaft), elevator, dumbwaiter, or material lift: an opening through a building or structure for the travel of elevators, dumbwaiters, or material lifts, extending from the pit floor to a ceiling above.</p>		
3.	SPS 318.1004 Definitions	Definitions in the adopted ASME A17.1 for up and down speeds are confusing and incomplete. For example, "Rated speed" for an elevator is in the Up direction with rated load only. Speed in the Down direction for a traction elevator is not defined. It is not "operating speed" because that is only for hydraulics elevators.	DIS	<p>Define traction elevator Down speed. Define hydraulic elevator Down speed with a word clearer than "operating speed". Consider defining "rated up/down speeds" and "actual up/down speeds", eliminate use of "operating" and "set" terminology.</p> <p><u>(jg) "Rated Speed, down" means the speed at which an electric elevator, a dumbwaiter, material lift, vertical platform lift, inclined platform lift, or stairway chairlift:</u></p> <ol style="list-style-type: none"> 1. <u>Prior to passing an acceptance inspection, the speed at which the car, platform, or chair is designed to operate in the down direction with rated load.</u> 2. <u>Upon acceptance inspection, the actual speed at which the car, platform, or chair operates in the down direction with rated load.</u> <p><u>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." Example: Strength of pit floor in ASME A17.1, 2.1.2.3.</u></p> <p><u>(jr) "Rated Speed, up" means the speed at which an elevator, dumbwaiter, material lift, vertical platform lift, inclined platform lift, or stairway chairlift:</u></p>	None	Reduce confusion and improve clarity for application of codes regarding testing and inspecting, and where an alteration changes a speed by more than 5%.

SPS 318						
NO	RULE PROVISION	ISSUE/REASON FOR CHANGE	PROPOSED BY	EXISTING LANGUAGE AND PROPOSED CHANGE	POTENTIAL IMPACT/COST	COMMENTS/STATUS
				<p>1. <u>Prior to passing an acceptance inspection, the speed which the car, platform or chair is designed to operate in the up direction with rated load.</u></p> <p>2. <u>Upon acceptance inspection, the actual speed at which the car, platform, or chair operates in the up direction with rated load.</u></p> <p><u>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. Example: Maximum upward movement of an elevator car in ASME A17.1, 2.4.6.1.</u></p>		
4.	SPS 318.1005 Adoption of standards by reference, SPS 318.1700 (1) (b) Penalties	Code has required regulation of stage and orchestra elevators, applying parts of A17.1 that may apply, however very little translates.	DIS	<p>Locate and adopt a national standard for the design and inspection of stage and orchestra elevators. Recommend ANSI E1-42: Entertainment Technology – Design, Installation, and Use of Orchestra Pit Lifts, <i>approved August 5, 2016.</i></p> <p>Task Group: Paul Rosenberg and Adam Smith</p> <p>Task Group specific recommendations and the Council’s actions provided in a separate spreadsheet.</p>	Unkown	<p>03.22.2018</p> <p>MOTION: Ronald Mueller moved, seconded by Harold Thurmer, to recommend adoption of E1.42-2016 with amendments, with specific code language to be discussed at the next meeting. Motion carried unanimously.</p>

SPS 318						
NO	RULE PROVISION	ISSUE/REASON FOR CHANGE	PROPOSED BY	EXISTING LANGUAGE AND PROPOSED CHANGE	POTENTIAL IMPACT/COST	COMMENTS/STATUS
5.	Table SPS 318.1007-1, Item 5	Permit and immediate inspection are not required when replacing components of driving machine brakes	Tim Motel	This contractor has seen brake components that were not properly tightened and brake linings that were not properly worn-in to safely hold the car prior to being turned over to the owner for use, creating a dangerous situation.	\$400 per elevator per occurrence	Require permit and immediate when replacing components of driving machine brakes. Dismissed 11.03.17
6.	Table SPS 318.1007-1, Plan review and approval. Elevators	Alteration to a door operator (not like for like replacement) should require permit and inspection of door timing and closing force.	DIS	Add alteration to door operator to the tables for plan review and inspection. New Item 11, renumber the remainder accordingly	\$520 - \$600 per occurrence except no cost when part of a larger project	Assure door timing and closing force are inspected before waiting for the next annual inspection. Dismissed 11.03.17
7.	Table SPS 318.1007-1, Plan review and approval. Elevators, Item 14	Code is unclear regarding the word "change" here. Does it include replacement only or also an alteration?	DIS	Alteration Table 1 change Item 14 to "Change of or repair to Safety Device" Anytime the table 1 is altered (or anything reflecting what requires plan/permit review), the part of the code describing plans will need to also be updated SPS 318.1007 Plan review and approval. (3) <u>SCOPE OF ALTERATIONS, REPAIRS, AND REPLACEMENTS.</u> (a) For proposed alterations, <u>repairs, and or</u> replacements listed in Table SPS 318.1007-1 Items 1. to 4. and Tables SPS 318.1007-2,	\$520 - \$600 per occurrence except no cost when part of a larger project	Assure alterations to safety devices are to code and are inspected before waiting for the next annual inspection. 1/17/18 - Discussed and informally approved, with

SPS 318

NO	RULE PROVISION	ISSUE/REASON FOR CHANGE	PROPOSED BY	EXISTING LANGUAGE AND PROPOSED CHANGE	POTENTIAL IMPACT/COST	COMMENTS/STATUS
				318.1007-3, and 318.1007-4, all of the following shall be submitted with the request for approval:		the exception of #13 in Table 1 and #2 in Table 3 relating to actual/rated speed. Council looking for definition of “rated speed” to include with these items on the tables. No motion made.

**Table SPS 318.1007-1
Elevators**

Item	Scope of Work
1.	Change to <u>Alteration or replacement of</u> hoistway enclosure walls, pit, or ceiling; or to number or location of landings served
2.	Change <u>Alteration</u> to machine-room, machinery-space, control-room, or control-space walls, floor, ceiling, or entrance; or to location of machinery
3.	Conversion <u>Alteration</u> of passenger elevator to freight type, or freight to passenger type
4.	Change in class <u>Alteration</u> of loading <u>class</u> for a freight elevator
5.	Change to complete <u>Alteration of</u> traction driving machine, motor, sheave, and <u>driving machine brake or emergency</u> brake
<u>6.</u>	<u>Replacement of entire driving machine, driving machine brake or emergency brake</u>
6.7.	Installation of a fire sprinkler in a machine room, machinery space, control room, control space, or top of hoistway
7.8.	Increase in loading of more than 5% to machinery, beams, supports, or foundations
8.9.	Change to type of or addition <u>Alteration</u> of hoistway door or gate

SPS 318

NO	RULE PROVISION	ISSUE/REASON FOR CHANGE	PROPOSED BY	EXISTING LANGUAGE AND PROPOSED CHANGE	POTENTIAL IMPACT/COST	COMMENTS/STATUS
		9:10.		Installation or addition <u>Alteration</u> of hoistway–door interlock or combination mechanical lock and contacts		
		10:11.		Change to or addition of non–contact <u>Alteration of a solely contact type to another type of</u> reopening device on an elevator with firefighters’ emergency operation		
		11:12.		Increase or decrease of more than 5% of the total load of car deadweight plus rated load		
		12:13.		Change <u>Increase or decrease</u> in rated load		
		13:14.		Change <u>Increase or decrease</u> in speed of more than 5%		
		14:15.		Change <u>Alteration or replacement</u> of safety device		
		15:16.		Change of or repair to speed <u>Alteration or replacement of overspeed</u> governor		
		16:17.		Change in type or addition <u>Addition</u> of an emergency brake or device protecting against unintended movement or ascending car overspeed		
		17:18.		Change in <u>Alteration to</u> suspension member, type, material, grade, <u>number or size ; equalizers, fastening, or monitoring as defined in 8.7.2.21 and 8.7.3.25</u>		
		18:19.		Increase in stresses of more than 5% to guiderails, supports, and fastenings		
		19:20.		Change <u>Alteration</u> to type or location of car or counterweight buffer or bumper		
		20:21.		Change <u>Alteration</u> to type of terminal stopping device		
		21:22.		Change <u>Alteration</u> to or addition of a top–of–car operating device		
		22:23.		Change <u>Replacement</u> of controller		
		23:24.		Change in <u>Alteration to</u> type of motion control		
		24:25.		Change in <u>Alteration to</u> type of operation control		
		25.		Change to or addition of a car emergency signaling device		
		26.		Change or connection to <u>Addition of</u> emergency or standby power system		
		27.		Change <u>Alteration</u> to or addition of firefighters’ emergency operation system		
		28.		Change <u>Alteration</u> to or addition of auxiliary power <u>supply raising or</u> lowering operation		

SPS 318

NO	RULE PROVISION	ISSUE/REASON FOR CHANGE	PROPOSED BY	EXISTING LANGUAGE AND PROPOSED CHANGE	POTENTIAL IMPACT/COST	COMMENTS/STATUS
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29.	Change to or installation <u>Replacement or addition</u> of a plunger gripper
30.	Change to <u>Replacement of</u> a complete hydraulic driving machine <u>pumping unit</u> including motor, pump, and tank
31.	Change to <u>Alteration or replacement of</u> hydraulic control valve
32.	Change to <u>Alteration or replacement of</u> hydraulic plunger or cylinder
33.	Increase in hydraulic working pressure of more than 5%

**Table SPS 318.1007-2
Escalators and Moving Walks**

Item	Scope of Work
1.	Change to <u>Alteration or repair of</u> truss
2.	Change <u>Alteration</u> to rated speed or installation of speed varying system
3.	Installation or addition of skirt brushes
4.	<u>Alterations to safety component or safety switch as defined in 6.1.6.3 and 6.2.6.3 'Electrical protective devices'</u>

**Table SPS 318.1007-3
Dumbwaiters and **Type B** Material Lifts**

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

**Table SPS 318.1007-4
Platform Lifts**

Item	Scope of Work
1.	Change to safety or speed governor <u>Alteration to or replacement of overspeed or slack suspension safety device</u>

SPS 318

NO	RULE PROVISION	ISSUE/REASON FOR CHANGE	PROPOSED BY	EXISTING LANGUAGE AND PROPOSED CHANGE	POTENTIAL IMPACT/COST	COMMENTS/STATUS						
				<table border="1"> <tr> <td>2.</td> <td>Change Alteration to <u>or replacement of hydraulic</u> jack <u>plunger or cylinder</u></td> </tr> <tr> <td>3.</td> <td>Change Alteration to <u>or replacement of</u> hydraulic valve</td> </tr> <tr> <td>4.</td> <td>Change Alteration to or addition of machine room</td> </tr> </table>	2.	Change Alteration to <u>or replacement of hydraulic</u> jack <u>plunger or cylinder</u>	3.	Change Alteration to <u>or replacement of</u> hydraulic valve	4.	Change Alteration to or addition of machine room		
2.	Change Alteration to <u>or replacement of hydraulic</u> jack <u>plunger or cylinder</u>											
3.	Change Alteration to <u>or replacement of</u> hydraulic valve											
4.	Change Alteration to or addition of machine room											

For the purposes of Council review, the following proposed table includes edits without red text. The table listed below has not been adopted by the Council, but is a working draft to be considered for future meetings:

**Table SPS 318.1007-1
Elevators**

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 to 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

SPS 318

NO	RULE PROVISION	ISSUE/REASON FOR CHANGE	PROPOSED BY	EXISTING LANGUAGE AND PROPOSED CHANGE	POTENTIAL IMPACT/COST	COMMENTS/STATUS
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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.	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 8.7.2.21 and 8.7.3.25
19.	Increase in stresses of more than 5% to guiderails, 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%

**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

SPS 318

NO	RULE PROVISION	ISSUE/REASON FOR CHANGE	PROPOSED BY	EXISTING LANGUAGE AND PROPOSED CHANGE	POTENTIAL IMPACT/COST	COMMENTS/STATUS
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3.	Installation or addition of skirt brushes
4.	Alterations to safety component or safety switch as defined in 6.1.6.3 and 6.2.6.3 'Electrical protective devices'

**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

8.	Table SPS 318.1007-1, Plan review and approval. Elevators, item 16	This does not require a permit when replacing a rope gripper like-for-like.	DIS	Should consider including "replacement" now that rope grippers are getting old enough that they may need to be replaced. One such question has been asked already.	\$600 per occurrence, often not part of a larger project	Will require test witnessing to assume operation to code as is required for safety devices and governors. <i>Considered with the table provided after #7.</i>
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SPS 318

NO	RULE PROVISION	ISSUE/REASON FOR CHANGE	PROPOSED BY	EXISTING LANGUAGE AND PROPOSED CHANGE	POTENTIAL IMPACT/COST	COMMENTS/STATUS
9.	Table SPS 318.1007-1, Plan review and approval. Elevators, item 17	First comma was possibly not intended to be there. By including the comma, every time suspension members are replaced, a permit would be required.	Andy Zielke - formerly with NEIS	<p>Remove the comma for conventional suspension means. Perhaps require a permit or at least some sort of reporting for replacement of non-circular elastomeric suspension members? Should their like-for-like replacement be monitored because they are new technology?</p> <p><i>See table above for this change (17)</i></p>	\$600 per occurrence, often not part of a larger project	<p>Continue to not require permit and immediate inspection for conventional suspension means replacement but consider keeping track of replacements for newer unconventional means, to be aware of possible defects.</p> <p><i>Adopted 11.03.17, language pending</i></p> <p><i>Considered with the table provided after #7.</i></p>
10.	Table SPS 318.1007-1 Plan review and approval. Elevators	Scope of Work Table item 27 states: Change to or addition of firefighters' emergency operation system	Ed Sabo	<p>Clarify item 27 Change or addition to Firefighters' Emergency Operation system components</p> <p>Must be clearer about whether this covers an alteration and what qualifies as an alteration. Clarification. Will ensure more code compliance for alteration to firefighters emergency operation.</p> <p><i>See table above for proposed language to address this (27)</i></p>		<p><i>Tabled 11.03.17</i></p> <p><i>Considered with the table provided after #7</i></p>

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				<p>Information from Robin: From DSPS Alarm FAQ:</p> <p>Projects involving the alteration or addition of 20 or fewer devices to an existing fire alarm system do not need to be submitted. A “device” includes both detection devices and notification appliances. This includes, but is not limited to, all the following: fire alarm control panels, power supply panels, annunciators, horns, strobes, combination horn / strobes, speakers, combination speaker /strobes, smoke detectors, heat detectors, pull stations, and door holders. Relay modules or monitoring modules are not considered alarm devices.</p> <p>For the purpose of plan review requirements, detection or monitoring systems which are not connected to the building fire alarm system (e.g., smoke detection in an unoccupied storage facility with off-site monitoring, sprinkler system monitoring or elevator recall operations in a building without a fire alarm system), are not required to be submitted for review.</p> <p>From Alarm reviewer Tom Frechette: Alarm Review looks for devices, smoke and/or heat detectors, signaling devices as well as Elevator recall in the sequencing diagrams. He is checking with an alarm contractor as to who and how the final connections and testing is done.</p>		
11.	Table SPS 318.1007-2 Plan review and approval. Elevators	There is nothing in the escalator scope of work table in regards to an escalator mod/alt. An elevator contractor does not have to submit for a permit.	Ed Sabo	<p>Add when performing mod or alteration to the table under escalators. Determine what modernization or alterations to existing escalators should require review and inspection.</p> <p>See table above for proposed language to address this (4)</p>	\$560 per occurrence	<i>Considered with the table provided after #7</i>

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12.	Table SPS 318.1007-2 Plan review and approval. Escalators and Moving Walks	Kone Ecomod and Schindler replacement of escalator parts except truss is not clear in code as a complete replacement.	DIS/Ed Sabo?	<p>Make clear in the table or elsewhere that replacement of nearly all escalator components except the truss is a complete replacement.</p> <p><u>SPS 318.1007 (2) (c) 3. b.</u> <u>Note: Where the scope of work for an escalator includes a replacement of the majority of internal parts, even if retaining the majority of the truss, that is considered a new installation under this subdivision.</u></p>	None	<p>Eliminate any confusion at time of budgeting and plan submittal.</p> <p>Adopted 11.03.17; Approved proposed language 03.22.2018</p>
13.	SPS 318.1011 Inspections and permits to operate	<p>Contractors work on conveyances with expired permits. Illinois Rules that requires a mechanic to only work on registered and licensed (pto'd) conveyances. That way, as a requirement of their license, mechanics become our eyes and ears in the field.</p> <p>useful in getting conveyances registered and keeping permits up to date.</p>	Mark U.	<p>Illinois Rule § 1000.80 (i) Miscellaneous Requirements</p> <p>1) No licensee shall work on non-registered or non-permitted conveyances covered by the Act, except for those conveyances exempted from registration by the Act or Section 1000.120(g).</p> <p>2) All license holders are required to report violations of the Act, this Part and the standards listed in Section 1000.60 to OSFM.</p> <p>3) Each licensee shall have his/her valid license, and each elevator industry apprentice or helper shall have his/her valid registration card, in his/her possession when working on conveyances covered by the Act.</p>	No new cost	<p>1) we would reduce the number of expired PTO's, which would collect revenue currently being missed,</p> <p>2) reduce the number of re inspection fees to owners,</p> <p>3) and reduce the delays we see when owners ignore recorded violations noted during annual inspections</p> <p>Dismissed 11.03.17</p>

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14.	SPS 318.1011, Inspections and permits to operate. SPS 305.64, Elevator Inspectors	Elevator inspectors may damage equipment the owner is responsible for paying for.	DIS	Require licensing of elevator inspecting companies similar to elevator contractors in SPS 305.9905. Require evidence of insurance and at least one Wisconsin-licensed elevator inspector This would require a statutory change.	TBD	Will provide some level of protection most owners probably assume is there but may not be Tabled 11.03.17
15.	SPS 318.1011 (7), Inspections and permits to operate, Preparations for department inspection	Elevator and lift contractors occasionally only send a helper to be present at an inspection.	Mark U.	Helpers can be limited in knowledge needed to make adjustments or perform tests often necessary to complete an inspection. Require a licensed mechanic to be present at acceptance inspections. Review Proposed Amendment: SPS 318.1011 (7) PREPARATIONS FOR DEPARTMENT INSPECTION. (bm) The installation contractor or the owner or owner's agent shall make arrangements to ensure that the elevator mechanic, under SPS 305.992, or elevator mechanic-restricted, under SPS 305.993, is present for the inspection of the conveyance or related equipment during the scheduled timeentire inspection.	Minimal	Unlikely to affect current costs. Most now send a mechanic but should be required to continue to do so. Adopted 11.03.17, Discussed Proposed Language 12.11.2017; Updated Proposed Language Adopted, with amendments as

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						marked 01.17.2018
16.	SPS 318.1013, Accident Reporting	Elevator entrapments occur without a means to learn the cause and prevent future entrapments.	DIS	Change Accident Reporting to Accident and Entrapment Reporting. Include the ability for the department to send an inspector to investigate the cause of the entrapment and determine whether any damage occurred from a rescue of trapped passengers.	\$160-\$320	Will improve rider safety and reduce entrapments Dismissed 11.03.17
17.	SPS 318.1702, Electric Elevators for ASME A17.1, 2.5.1.5.1	Strength and deflection of fascia are not specified in code.	DIS	Specify strength and deflection criteria for fascia.	May vary by manufacturer	Improve rider safety if strength and deflection of fascia are adequate. Dismissed 11.03.17
18.	SPS 318.1702, Electric Elevators, for ASME A17.1, 2.27.1	The A17.1 elevator code is not clear regarding performance of elevator telephones and answering services.	DIS/several users	Specify requirements of telephone operation, answering and responding.	Unknown	Provide clarification requested by many interested parties. Dismissed 11.03.17
19.	SPS 318.1702, Electric Elevators, for ASME A17.1, 2.27.2	Testing of generators supplying stand-by power to elevators do not provide for a pre-transfer signal to the elevator controller to allow it to prepare for testing.	Doug Schoeller	Require a pre-transfer signal. Will allow elevators to proceed to a floor, discharge any passengers and remain there until power is transferred to the generator during testing.	Unknown	Dismissed 11.03.17

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20.	SPS 318.1702 (a), Electric Elevators	Current SPS 318 exempts commercial-type elevators from several codes that are necessary when installed in commercial buildings but are not necessary when installed in single dwellings. The telephone should be added here the same way for consistency.	DIS	<p>The telephone requirements for elevators serving residences should be added to this section for commercial type elevators installed to serve single dwellings for consistency.</p> <p>These phones are now available for the 4-hour minimum requirement in cellular, Wi-Fi VoiP, and wireless analog phones. http://www.rathmicrotech.com/</p> <p>SPS 318.1705 (3) (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.”</p> <p>Proposed Language: SPS 318.1702 (10) <u>(d) Private residence elevators. Substitute the following wording for the requirements in A 17.1 section 2.27.1: Private residence elevators 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.</u></p>		<p>Will allow home owners with commercial type elevators to have the same type of telephone operation as if they had a residential type elevator without additional expense.</p> <p>Adopted 11.03.17</p> <p>12.11.2017 MOTION: Kenneth Smith moved, seconded by Keith Misustin, to require residential and commercial elevators installed in single-family dwellings to meet the minimum of 4-hours requirement for emergency signaling devices. (Item 20) Motion</p>

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						carried unanimously.
21.	SPS 318.1702 (10), Electric Elevators, Emergency Operation and Signaling Devices	Using voice over internet protocol (VOIP) can save a lot of money for a small owner but cannot meet the 4-hour battery requirement.	Chris - St. Michael's Church Wausau	Allow elevator telephones to have less than 4-hour battery backup, possibly based on travel distance.	\$40-\$50/month for analog business line	Would allow modern VOIP phone systems that rely on 20 minute uninterruptable power supply (UPS) to replace building phone systems including for elevators Dismissed 11.03.17
22.	SPS 318.1702 (10), Electric Elevators, Emergency Operation and Signaling Devices	New cellular, internet and other shared systems are too easy to avoid required telephone monitoring system, have the service lapse or are just not working at all points in elevator travel.	John Reese - Schindler	Require land lines or strict performance requirements for other systems. Provide for code compliant, reliable telephones.		Dismissed 11.03.17
23.	SPS 318.1702 (10) (b) 3. Electric Elevators,	A building can have several elevator emergency key boxes with different keys to open each key box.	DIS	Council already discussed whether state code should specify a standard key for lobby key boxes but decided against it because there are so many different keys out there at this time. It's impossible to pick one. But should all <i>key boxes</i> in a <i>building</i> open with the same key, whatever key that is, similar to all		Save time in emergency situations.

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	Emergency Operation and Signaling Devices	Firefighters can waste valuable time in finding keys in an emergency.		<p>elevators in a building using the same key for firefighters emergency operation?</p> <p>Review Proposed Amendment: SPS 318.1702 (10) (b) 3. 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. <u>Where a building has no fire command center and multiple lockable metal boxes, each box shall be openable by the same key.</u> The box shall be openable only by the fire department, police department, elevator inspector, and other authorized personnel. This does not prohibit additional keys from being placed in other approved locations.</p>		<p>Adopted 11.03.17, Discussed Proposed Language 12.11.2017; Updated Proposed Language Adopted 01.17.2018</p>
24.	SPS 318.1705, Special application elevators, for A17.1, 5.2.1.4.4	Code limits use of alternative car top clearance device for LULA elevators to within existing buildings	DIS	Car top clearance device is considered safe for use in existing buildings and should be considered safe in new buildings also.	Beneficial to building owners and design industry	<p>Protect persons, for example in living units of a condominium building where a neighbor above has an elevator. Dismissed 11.03.17</p>
25.	SPS 318.1705, Special Application Elevators, for A17.1, 5.3 Scope	Code does not allow residential elevators in commercial buildings	DIS	<p>Add allowance to replace existing Part Vs that Wisconsin used to allow in churches and limited commercial buildings to be replaced. Still require petition for variance for any other Residential elevator in a commercial building (very rare).</p> <p>Review proposed Amendment: SPS 318.1705 (3) (am) <u>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</u></p>	\$300 reduction in cost per occurrence	<p>Alleviate the need and cost of a formal petition for variance to replace. Adopted 11.03.17; Proposed Language Adopted 12/11/17</p>

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NO	RULE PROVISION	ISSUE/REASON FOR CHANGE	PROPOSED BY	EXISTING LANGUAGE AND PROPOSED CHANGE	POTENTIAL IMPACT/COST	COMMENTS/STATUS
				<u>replaced with a residential type elevator in the existing hoistway. A new installation permit is required.</u>		
26.	SPS 318.1705 (3), Special Application Elevators, Private Residence Elevators	Residential elevators are installed in commercial buildings in rare cases, such as to replace an existing one or where a larger elevator is infeasible. Architects, contractors and owners are not aware of the need to meet ICC/ANSI A117.1, Section 409.	DIS	Add a note or code requirement directing readers to the ICC/ANSI A117.1 when a residential elevator is installed to serve a commercial building. SPS 318.1705 (3) Note: <u>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 SPS 361 to SPS 366.</u>	Unknown	Prevent design decisions that may be difficult or expensive to correct later Adopted 11.03.17; Proposed Language Adopted 01.17.2018
27.	SPS 318.1705 (3) (c), Special Application Elevators, Private Residence Elevators, for A17.1, 5.3.1.7.2	No vertical clearance specified between hoistway door and sill or floor surface	Mark U.	Limit clearance to 3/8" Review proposed amendment: SPS 318.1705 (3) (c) 5. <u>The clearance between the hoistway door and the floor surface may be up to 3/8 of an inch.</u>	None	Prevent the door from closing over someone's feet reducing the likelihood that a child will be able to fit in the space and possibly be injured or killed. Adopted 11.03.17; Proposed Language Adopted 12/11/17

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28.	SPS 318.1705 (3) (c), Special Application Elevators, Private Residence Elevators, for A17.1, 5.3.1.7.2	Space guard dimensions are not specified	DIS	<p>Adopt as code the recommendations in the current web article regarding space guards (http://www.safetyresearch.net/blog/articles/elevator-design-hazard-%E2%80%99s-been-killing-children-decades) ?</p> <p>space guards are often installed but are made to different dimensions</p> <p>Return to review this once the standard updates have been fully reviewed.</p>	None	Clarify safe standard Tabled 11.03.17
29.	SPS 318.1705, Special Application Elevators, for A17.1, 5.3.1.14.3	Code does not protect persons in spaces below a hoistway for a residential elevator	DIS	<p>Address code for protection of space below the hoistway for a residential type elevator.</p> <p>Protect persons who may be below a residential type elevator, especially because such an elevator is not subject to requirements for maintenance, periodic testing or inspection.</p> <p>Review proposed amendment: SPS 318.1705 (3) <u>(ce) 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.</u></p>	Unknown	Adopted 11.03.17; Proposed Language Adopted 12/11/17
30.	SPS 318.1705, Special Application	Code does not require protection of persons from shearing or crushing from	DIS	<p>Require guarding of drums, shafts, suspension means and moving parts.</p> <p>Review proposed amendment:</p>	Minimal	Protect persons, especially children who may gain access to

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	n Elevators, for A17.1, 5.3.1.16.3	winding drum machinery		<p>SPS 318.1705 (3) <u>(cm) 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 of openwork, the enclosure shall reject a ball 13 mm (0.5 in.) in diameter. Means for inspection shall be provided. The openings shall not be larger than is necessary to clear the suspension means.</u></p> <p>SPS 318.1705 (3) <u>(cs) 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 of openwork, the enclosure shall reject a ball 13 mm (0.5 in.) in diameter. Means for inspection shall be provided. The openings shall not be larger than is necessary to clear the rotating parts.</u></p>		spaces containing winding drum elevator equipment. Adopted 11.03.17; Discussed Proposed Language 12.11.2017; Updated Proposed Language Adopted 01.17.2018
31.	SPS 318.1705 (3) (e) Special applicatio n elevators, Private Residence Elevators	A residential elevator may have a phone keypad that gives the rider the impression that there is an operable phone when it may not be connected.	Mark U.	Require covering or elimination of the keypad if not operable	None	Avoid reliance on a device that is not operable Dismissed 11.03.17
32.	SPS 318.1705 (4)	Use of an elevator that is not complete during construction of the building may	Mark U.	Issuance of Temporary Construction Use Permit and occasional verification inspections. SPS 318.1708 (5)	Re- inspecti on fee	Will make it clear that such operation is not open-ended. Will

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		continue indefinitely by current code. Requests have been made to allow for as long construction (incomplete) use of elevators as one year.		<p><u>(d) This is a department rule in addition to the requirements in ASME A17.1 section 8.10.5.10: The department may conduct additional acceptance inspections as determined by the department.</u></p> <p>Inspection fees under Table 302.04, Miscellaneous Inspection fee \$80/hour.</p>		allow inspector to verify the incomplete items and conditions remain safe and that trained operators are operating the elevator as required. 12/11/17 Tabled; Proposed language pending
33.	SPS 318.1708, General requirements, for A17.1, 8.7.2.17.2 and 8.7.3.22.2	Currently ASME A17.1 only addresses change in rated speed (up direction).	DIS	<p>Add code for Change in Operating Speed or change in speed in the down direction</p> <p>Clarify code requirements associated with increasing speed in the down direction. For example proper runbys, buffer stroke, setting of safety device and forces, buffer engagement and safety setting imparts on the building structure at an increased speed.</p>	Minimal	12/11/17: tabled, language needed; refer to #3 for the answer to this issue.
34.	SPS 318.1708 for A17.1, 8.6	Many elevator lobbies are missing lobby key boxes due to older codes not requiring them, allowing for another approved location or removal of boxes that had been installed at one time.	Mark U.	<p>Require lobby key boxes for existing elevators. See SPS 318.1702(10)(b) 3. a. - c.</p> <p>“3. These are department rules in addition to the requirements in ASME A17.1 section 2.27.8:</p> <p>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. The box shall be openable only by the fire department, police department, elevator</p>	Council estimates: \$250 to \$1000/installation	Dismissed 12/11/17

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				<p>inspector, and other authorized personnel. This does not prohibit additional keys from being placed in other approved locations.</p> <p>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.</p> <p>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.”</p>		
35.	SPS 318.1708, General requirements, for A17.1, 8.6.5.16.5 to modify A17.1, 3.19.4.7.3 (a)	Some elevators have valves that work like overspeed-type valves but are not located near the hydraulic jack(s) so do not meet code to be considered overspeed valves. By not meeting the code, they could be considered exempt from testing.	Ed Sabo or Paul Rosenberg	Apply testing requirements for overspeed valves to valves of the same type but that are in locations such as at the control valve.	Minimal	<p>Ensure that valves installed for safety operate as designed.</p> <p>Dismissed 12/11/17</p>
36.	SPS 318.1708 (2) (b) 1. a., General	Elevator installers have left documents on the car top where they can be dropped into the pit or are not	DIS	<p>Make clear in one location in the code that the car top is not acceptable for storing maintenance control program, wiring diagrams, maintenance records and test reports.</p> <p>SPS 318.1708 (2) (b) 4. b.</p>	None	Ensure that records are available to elevator

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	requirements, Maintenance, Repair, Replacement, and Testing	accessible when needed or as required by SPS 318.1708(2)(b) 4. b.		<p>1. The maintenance control program, including any devices and procedures needed to meet 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.</p> <p>2. <u>An additional set of The documents electrical wiring diagrams may be securely located on the top of the car only if another complete set of documents is located in a place that is accessible by the owner or the owner's agent.</u></p> <p>[03.22.2018: Informed the Council that this would be reformatted to conform to drafting standards. For substantive purposes, it was adopted with this format.]</p>		<p>personnel when needed.</p> <p>Discussed 12/11/17; Proposed language approved with amendments 03.22.2018</p>
37.	SPS 318.1708 (2) (b) 1. a., General requirements, Maintenance, Repair, Replacement, and Testing	Exact scope of mod. project is often not transferred to the maintenance record, or if transferred, is not done in a timely manner.	Mark U.	<p>Require the plan review information, approval letter, application form and any specification to remain in the maintenance record immediately after a mod. project.</p> <p>SPS 318.1708 (2) (b) <u>4m. This is a department rule in addition to the documents required in ASME 17.1 section 8.6.1.2.2: Any plan approval letter, application form, and the plans issued under SPS 318.1008.</u></p>	None	<p>Ensure that records are available to elevator personnel when needed.</p> <p>Discussed 12/11/17; 03.22.2018; Proposed language pending</p>
38.	SPS 318.1708 (2) (b) 1. b., General requirements,	Elevator installers have removed SIM cards, other devices or instructions necessary for performing tests.	Several recommended this	<p>Make clear that these are property of the owner.</p> <p>Provide the owner with more than the original installer as an option for future service and testing. Would eliminate conflict and complaints to DSPTS.</p>	None	<p>Dismissed 12/11/17</p>

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NO	RULE PROVISION	ISSUE/REASON FOR CHANGE	PROPOSED BY	EXISTING LANGUAGE AND PROPOSED CHANGE	POTENTIAL IMPACT/COST	COMMENTS/STATUS
	Maintenance, Repair, Replacement, and Testing					
39.	SPS 318.1708 (2) (e) 1., General requirements, Maintenance, Repair, Replacement, and Testing	Contractors unable/unwilling to produce testing procedure	John K	Require that testing procedures become a component of the periodic test record or maintenance control program	None	Consistency in testing - ensuring competency Dismissed 12/11/17
40.	SPS 318.1708, General Requirements, for A17.1, 8.6.4.19.7 and 8.6.5.14.3 (f)	Scheduling of testing of emergency or stand-by power (therefore certain related elevator tests) in some facilities like hospitals can be difficult.	Several recommended this	Allow the owner to perform the emergency/stand-by power Cat 1 test if trained to do so. Elevator tests would be performed by the owner and not signed off on by a licensed elevator contractor or personnel.		Dismissed 12/11/17
41.	SPS 318.1708 (2), General requirements,	Dumbwaiter test cycle to too frequent for a device that does not carry a rider.	Steven Theys, owner's rep - Shawano Hotel	Change dumbwaiter test frequency to be similar to VPLs, IPLs and SCLs: a test is required only when an inspection finds a need for such a test	Reduce by \$300 + per year per	Reduce costs for building owners for small devices that do not carry a rider.

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NO	RULE PROVISION	ISSUE/REASON FOR CHANGE	PROPOSED BY	EXISTING LANGUAGE AND PROPOSED CHANGE	POTENTIAL IMPACT/COST	COMMENTS/STATUS
	Maintenance, Repair, Replacement, and Testing				dumbwaiter	Discussed 12/11/2017: Proposal combined with #44
42.	SPS 318.1708 (3), General Requirements, Alterations	Large scale elevator modernizations take place without updating 120 volt lighting and receptacle circuits.	DIS	Require updating 120 volt lighting and receptacle circuits when performing large scale elevator mod projects. This is almost always done voluntarily or because of a perception that it is required but it is not required.	\$500	Provide safer and more complete installations once completed Dismissed 01/17/2018
43.	SPS 318.1708 (3), General Requirements, Alterations	Owners and elevator contractors sometimes plan to modernize one elevator in a group at a time, not knowing some codes require all elevators of a group to function the same way after a mod. project. Inspectors may give a wide range of compliance dates for the remaining elevator(s).	DIS/ Ed S.?	<p>Require each subsequent elevator in a group, or that shares a hoistway or machine room to be modernized within a certain number of days, for example <u>90 days 1 year</u> where the modernization includes updating the firefighters emergency operation. <i>Council declined to adopt a timeline for modernization.</i></p> <p><i>The Council is instead considering whether to amend the applicability of 2.27.3.2.3 (b) to allow groups of elevators to be modernized one at a time and not be in violation of the code.</i></p> <p>SPS 318.1702 (10) (b) <u>Im. Substitute the following for the requirements in ASME A17.1 section 2.27.3.2.3 (b): The activation of a fire alarm initiating device specified in 2.27.3.2.1 (b) or 2.27.3.2.2 (b) shall cause elevators and, where the elevators operate as a group, the elevators in a group, to be returned nonstop to the designated level. If the machine room is located at the designated level, the elevators shall be returned nonstop to the alternate level.</u></p>	Varies	<p>Make clear for planning purposes that each elevator in a group operation must meet certain codes</p> <p>Discussed and tabled 01/17/2018; Discussed and tabled 03/22/2018</p>

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NO	RULE PROVISION	ISSUE/REASON FOR CHANGE	PROPOSED BY	EXISTING LANGUAGE AND PROPOSED CHANGE	POTENTIAL IMPACT/COST	COMMENTS/STATUS
44.	SPS 318.1708 (6) (d) 1., General Requirements for Periodic Inspections and Witnessing of Tests, A17.1, 8.11.5.4 and SPS 302	Dumbwaiter inspection cycle to too frequent for a device that does not carry a rider.	DIS	<p>Change to a 3-year inspection and PTO cycle.</p> <p>SPS 318.1708 (6) <i>(d) Periodic inspection and test frequency. Substitute the following wording for the requirements in ASME A17.1 section 8.11.1.3:</i></p> <p>1. Periodic inspections shall be made at intervals not longer than one year.</p> <p>2. <u>Except as provided in (h), category 1 periodic tests shall be made at intervals not longer than one year.</u></p> <p>3. Category 3 periodic tests shall be made at intervals not longer than 3 years.</p> <p>4. Category 5 periodic tests shall be made at intervals not longer than 5 years.</p> <p><u>(h) Periodic tests of dumbwaiters. Category 1 periodic tests of dumbwaiters shall be made at intervals of not longer than 5 years.</u></p>	\$300/year reduction for inspection fee, \$50/year reduction for PTO fee	<p>Reduce costs for building owners for small devices that do not carry a rider.</p> <p>Adopted 01/17/2018; Proposed Language approved 03.22.2018</p>
45.	SPS 318.1708 (6) (e) 1. c., General Requirements for Periodic Inspections and Witnessing the Tests, Installatio	Code is unclear regarding how hoistway entrances are to be secured when placing an elevator out of service.	Adam S.	<p>Require all to be bolted or locked from the inside. Allow only the entrance where the elevator is stopped to be held closed using the interlock. No need to further secure that entrance if the car is blocked to remain there.</p> <p>SPS 318.1708 (6) (e) 1. c. Hoistway doors and access doors for elevators, dumbwaiters, and material lifts securing or locking of shall be <u>permanently barricaded or mechanically fastened in the closed position with additional means -sealing in the closed position for.</u> Only the landing where the car or platform is located except the bottom landing door, which may be secured by using the interlock.</p>	None	<p>Clarifies the process and makes it more logical.</p> <p>Adopted 01/17/2018, Proposed Language approved with amendments 03.22.2018</p>

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NO	RULE PROVISION	ISSUE/REASON FOR CHANGE	PROPOSED BY	EXISTING LANGUAGE AND PROPOSED CHANGE	POTENTIAL IMPACT/COST	COMMENTS/STATUS
	n placed out of service					
46.	SPS 318.1708, General Requirements, for A17.1, 8.10.2.2.2 (cc) (3) (-a)	This is a potentially very destructive test with benefits that are very questionable. Architects might not be aware of the impact forces the test will impart on the building. May be especially destructive for older existing buildings that may not have been built to withstand this impact.	Brian Beauchamp - Otis	Remove this test requirement from the code.	None	Avoid possible damage to building structure and elevator equipment. Dismissed 01/17/2018
47.	SPS 318.1708 (6) (f) General Requirements for Periodic Inspections and Witnessing of Tests, Installation converted to a	It was not the intent to imply that all material lifts are exempt from regulation. Only Type A material lifts are exempt.	DIS	Insert "Type A" into title, 1., 2. and 3. SPS 318.1708 (6) (f) Installation converted to a <u>Type A</u> material lift. These are department rules in addition to the requirements in ASME A17.1 section 8.11.1.4: 1. Converting an existing elevator to a <u>Type A</u> material lift shall include all of the following: a. Removal of in-car controls and ear top controls. b. Conversion of hall calls to call/send controls. c. Installations of signs meeting ANSI Z535.4 stating "For Material Only. No Riders Permitted" at the call/send hall controls and the former location of the car operating panel in letters not less than ½ 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.	None	Correct an error Adopted 01/17/2018; Proposed language approved with amendments 03.22.2018

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NO	RULE PROVISION	ISSUE/REASON FOR CHANGE	PROPOSED BY	EXISTING LANGUAGE AND PROPOSED CHANGE	POTENTIAL IMPACT/COST	COMMENTS/STATUS
	material lift			<p>d. Verification of compliance with subd. 1. a. to c. by the department or agent municipality.</p> <p>e. Approval of the building code authority where the elevator is part of a required accessible route in an occupied building.</p> <p>2. A conveyance converted to a <u>Type A</u> material lift is no longer required to have periodic inspections or tests.</p> <p>Note: A <u>Type A</u> 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.</p> <p>3. Converting a <u>Type A</u> 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.</p>		
48.	SPS 318.1802 (10); Vertical Platform Lifts, Emergency Signals, for A18.1, 10.3.3.3	A18.1, 10.3.3.3 requires loading a "platform" for brake testing. This is unclear as how it applies to VPLs and IPLs because they do not have a brake and to SCLs.	DIS	Remove a requirement that does not apply.	None	Eliminate confusion about a requirement. Dismissed 01/17/2018
49.	SPS 318.1802 (10) , Vertical Platform Lifts,	Using voice over internet protocol (VOIP) can save a lot of money for a small owner but cannot	Chris - St. Michael's Church Wausau	Allow lift telephones to have less than 4-hour battery backup.	Reduces cost by \$40 - \$50/mo for	Would allow modern VOIP phone systems that rely on 20 minute uninterruptable

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NO	RULE PROVISION	ISSUE/REASON FOR CHANGE	PROPOSED BY	EXISTING LANGUAGE AND PROPOSED CHANGE	POTENTIAL IMPACT/COST	COMMENTS/STATUS
	Emergency Signals	meet the 4-hour battery requirement.			analog business line	power supply (UPS) to replace building phone systems including for lifts Dismissed 01/17/2018
50.	SPS 318.1802 (10), Vertical Platform Lifts, Emergency Signals	Telephone service is required to be maintained for vertical platform lifts (VPL) similar to elevators however elevators require monitoring the phone line for a dial tone. Current SPS 318 does not adopt the phone line monitoring for VPLs.	Tim Motel, 12-2-14	Require phone line monitoring for VPLs going forward.	Per Tim Motel \$80 per lift	Ensure that vertical platform lift telephone service is maintained to be available in an emergency. Dismissed 01/17/2018
51.	SPS 318.1804, Inclined Stairway Chair Lifts, and SPS 302, Fee Schedule	There is no allowance for reduced fees or temporary reduction in stairway width to allow a SCL to be installed temporarily where an elevator is down for service.	DIS	Allow temporary installations of stairway chairlifts where elevator is down for repairs Refer to SPS 361.03 (12): (12) Temporary use. A municipal fire or building code official may permit a building or structure to be used temporarily by the public, subject to all of the following provisions: (a) The official shall determine the time frame within which the temporary use is permitted, based on the extent hazards are created by the temporary use. This time frame may not exceed	Unknown	Make possible the temporary use of stairway chair lifts. Discussed and tabled 01/17/2018

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NO	RULE PROVISION	ISSUE/REASON FOR CHANGE	PROPOSED BY	EXISTING LANGUAGE AND PROPOSED CHANGE	POTENTIAL IMPACT/COST	COMMENTS/STATUS
				<p>180 days, except the official may grant extensions for demonstrated cause.</p> <p>(b) Except as provided in par. (c), buildings or spaces considered for temporary use shall conform to the requirements of chs. SPS 361 to 366 as necessary to ensure the public safety, health and general welfare.</p> <p>(c) The official may require additional safety requirements for a temporary use as a tradeoff for any safety provisions that may be lacking.</p> <p>(d) The official may terminate the approval for a temporary use at any time and order immediate discontinuance of the use or complete evacuation of the building or space.</p>		
52.	SPS 318.1810, Routine, Periodic, and Acceptance Inspections and Tests, and SPS 302, Fee Schedule	Stairway chair lift inspections and PTO cycle are too frequent based on simplicity and lack of use of stairway chair lifts.	DIS	<p>Return to a 3 year PTO cycle for stairway chair lifts.</p> <p>A18.1 Section 4: Inclined Stairway Chairlifts</p> <p>SPS 318.1810 (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 5, 6, and 7 lifts shall be performed at intervals of not longer than one year. <u>Routine inspections and tests of section 4 lifts shall be performed at intervals of not longer than 3 years.</u></p>	\$300/year reduction for inspection fee, \$50/year reduction for PTO fee	<p>Reduce unnecessary costs for building owners, especially where a building has multiple SCLs.</p> <p>Adopted 01/17/2018; Proposed language approved with amendments 03.22.2018</p>
53.	SPS 318.1810 (7)	Completion of a 5-year full load safety test is not shown on the outside of the unit where visible to	Mike Moran	<p>Require VPLs, IPLs and SCLs to have a test tag similar to elevators, not readily visible to the general public where it might be defaced but visible to inspectors readily visible to inspectors without disassembly</p>	Minimal	<p>Reduce time wasted finding evidence that tests were done prior to completing</p>

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NO	RULE PROVISION	ISSUE/REASON FOR CHANGE	PROPOSED BY	EXISTING LANGUAGE AND PROPOSED CHANGE	POTENTIAL IMPACT/COST	COMMENTS/STATUS
		inspectors unless they remove panels to find a hidden tag or find test forms		<p>SPS 318.1810 (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.</p> <p>(b) <u>Substitute the following wording for the requirements in ASME 18.1 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 safety-releasing carrier 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.</u></p>		<p>inspections or issuing PTOs</p> <p>Adopted 01/17/2018; Proposed language approved with amendments 03.22.2018</p>
54.	SPS 318.1008 (2) (e) Plan Review Actions, Determinations	There have been some a few installations that were “in process” for over 3 years and created confusion for the owner, contractor and department.	Kim Schmitt	<p>For the Council to consider whether to add a two year approval date on the initial plan review conditional approval letter.</p> <p>SPS 318.1008 (2) (e) <u>3. The department may specify a shorter period of time then provided in 1. and 2. at the time the approval is issued. Plan approval shall expire two years after the approval date shown on the approved plans.</u></p> <p><i>s. 101.983 (1) (d); See generally SPS 340.30 (6) (a)</i></p>		<p>Discussed and tabled 01/17/2018; proposed language pending</p>
55.	SPS 318	Provide guidance of when the PTO is likely to be withheld for inspectors,	Charlie Slater	<p>Proposal for an Appendix on Major and Minor Violations</p> <p>SPS 318.1011 (5) (am) <u>A permit to operate may not be renewed until an inspection under par. (a) has been made that finds no</u></p>		<p>3/22/18: Tabled;</p>

SPS 318						
NO	RULE PROVISION	ISSUE/REASON FOR CHANGE	PROPOSED BY	EXISTING LANGUAGE AND PROPOSED CHANGE	POTENTIAL IMPACT/COST	COMMENTS/STATUS
		contractors, and owners by providing lists of major and minor violations during annual elevator inspections.		<u>violations of this code that could reasonably be expected to affect the health or safety of a person using the conveyance.</u>		
56.	SPS 318.1708 (2) (k) 1., General Requirements, Maintenance, Repair, and Testing, Special Provisions	Suggest an informational note to clarify that hospitals may be required to do conduct firefighters' emergency operation key switch testing more often than quarterly under other applicable federal or state regulations outside of SPS 318.	DIS - frequent inquiries	SPS 318.1708 (2) (k) 1. <u>Note: Other federal and state laws may require certain facilities to conduct Phase I recall by use of the key switch more frequently.</u>		3/22/18: Tabled; language needed.
57.	SPS 318.1011 (5) (b), Inspections and permits to operate; Permit Renewal	Clarify that annual tests are only valid for one PTO period. Tests conducted after the expiration of a PTO may not be used for two PTO-periods.	DIS	SPS 318.1011 (5) <u>(c) Any test performed in accordance with inspection requirements is valid for one permit to operate renewal period. No test may be used for more than one permit to operate renewal period.</u>		
58.	SPS 318.1708 for A17.1, 8.6	May lobby key boxes have combination locks – this issue is not addressed and	DIS			

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NO	RULE PROVISION	ISSUE/REASON FOR CHANGE	PROPOSED BY	EXISTING LANGUAGE AND PROPOSED CHANGE	POTENTIAL IMPACT/COST	COMMENTS/STATUS
		thus is presently permitted.				
59.		Where a building has 24-hour staff and the elevator phone connects with the front desk staff desk, should the staff be required to check the elevators prior to exiting in an emergency.	DIS			
60.		Eliminate A17.1, 5.3.1.7.4(a) as an option for residential elevator hoistway door locks. Locks of this type are too easy to defeat with fingers to make the elevator run with a hoistway door open.	Mark Urban			
61.		Require the safety nut and switch on screw drive equipment, almost all of them being VPLs (many), to be inspected every 5 years similar to a 5-year safety test but much less expensive	Mark Urban			

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NO	RULE PROVISION	ISSUE/REASON FOR CHANGE	PROPOSED BY	EXISTING LANGUAGE AND PROPOSED CHANGE	POTENTIAL IMPACT/COST	COMMENTS/STATUS
		and without test weights.				
62.		Make flame sign in A17.1, 2.27.9 an optional style. Allow variations on the design as is currently DSPS policy because very few signs are available that comply and it has been DSPS position that a similar but not identical sign also conveys the same meaning.	DIS			
63.		Require elevator fixtures such as hall calls, direction lanterns, position indicators, car operating panels and in car telephones to be secured with tamper-resistant fasteners.	Mike Moran – ATIS Inspections			
64.		Exempt hand powered equipment from Category 1 tests.	Unknown			
65.		Require annual testing of the	Unknown			

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NO	RULE PROVISION	ISSUE/REASON FOR CHANGE	PROPOSED BY	EXISTING LANGUAGE AND PROPOSED CHANGE	POTENTIAL IMPACT/COST	COMMENTS/STATUS
		batteries for elevator (not VPL) telephones				
66.	In addition to ASME A17.1, 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 hoistway extension or skirt. The extension shall be solid material or openwork that will reject a ball 1/2" in diameter. The extension shall extend from the lower landing ceiling to 1" – 2" below the top edge of the car. Horizontal clearance between the car and the extension shall be 3/8" to 3/4".	DIS			
67.	SPS 318.1011 Inspections and permits to operate, (3) Permit Posting	Statutory language clearly and specifically states where the permit to operate should be posted.	DSPS	<p>s. 101.983 (2) (d) <i>Term and posting requirements.</i> A permit issued under this subsection has a term of one year. The owner of the building or residence in which a conveyance is located shall display the permit under par. (a) applicable to the conveyance on or in the conveyance or, if applicable, in the machinery room.</p> <p>SPS 318.1011</p>	None/Minimal	

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NO .	RULE PROVISI ON	ISSUE/REASON FOR CHANGE	PROPO SED BY	EXISTING LANGUAGE AND PROPOSED CHANGE	POTE NTIAL IMPA CT/CO ST	COMMENTS/S TATUS
				<p>(3) PERMIT POSTING. The permit to operate shall be posted in the conveyance; or in the machine room, control room, or control space; or in another location approved by the department or agent municipality.</p>		

Conveyance Safety Code Council

Council Member & Public Recommendations, SPS 318

SPS 318						
NO.	RULE PROVISION	ISSUE/REASON FOR CHANGE	PROPOSED BY	EXISTING LANGUAGE AND PROPOSED CHANGE	POTENTIAL IMPACT / COST	COMMENTS / STATUS
1a.	Hydraulic Elevators	SPS language currently adopts all testing requirements from ASME A17.1, but does not apply rule 8.6.5.14.1 and 8.6.5.14.2 to elevators with a contract date after 1994 or an elevator without an underground hydraulic cylinder. All of the other portions of the testing sections of ASME A17.1 apply to hydraulic elevators, making this change would eliminate a Wisconsin specific requirement to the elevator code.	Paul Rosenberg	<p>Hydraulic tests required by ASME A17.1 8.6.5.14.1 and 8.6.5.14.2 shall be made on ALL hydraulic elevators. SPS language currently adopts all testing requirements from ASME A17.1, but does not apply rule 8.6.5.14.1 and 8.6.5.14.2 to elevators with a contract date after 1994 or an elevator without an underground hydraulic cylinder. All of the other portions of the testing sections of ASME A17.1 apply to hydraulic elevators, making this change would eliminate a Wisconsin specific requirement to the elevator code. Many companies already test the hydraulic system per company safety standards and go beyond the requirements of SPS 318 (testing items 8.6.5.14.1 and 8.6.5.14.2) in order to follow the recognized industry testing procedures. Elevators serviced in this manner would see no change. If the change is not made, companies wishing to service and test elevators in Wisconsin will have to continue to be reminded that there are Wisconsin specific rules and exemptions not found in the adopted elevator code ASME A17.1.</p> <p>Delete: SPS 318.1708 (2) (h)</p> <p>318.1708 (2) (i)</p>	The cost would be determined by the scope of their elevator service contract. For most elevator owners, it is expected that there would be no cost associated with this change.	Adopted 01/17/2018; Proposed language discussed 03/22/2018

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NO.	RULE PROVISION	ISSUE/REASON FOR CHANGE	PROPOSED BY	EXISTING LANGUAGE AND PROPOSED CHANGE	POTENTIAL IMPACT / COST	COMMENTS / STATUS
				<p>1. 'Relief valve verification of setting and system pressure test.' These are <u>This is a department rules rule</u> in addition to the requirements in ASME A17.1 section 8.6.5.14.1: a. This section applies only to elevators meeting par. (h): b. Results of the relief valve setting and system pressure test shall be submitted to the department or agent municipality on approved forms.</p> <p>2. 'Hydraulic cylinders and pressure piping.' These are <u>This is a department rules rule</u> in addition to the requirements in ASME A17.1 section 8.6.5.14.2.: a. This section applies only to elevators meeting par. (h): b. Results of the hydraulic cylinder and pressure piping tests shall be submitted to the department or agent municipality on approved forms.</p>		
1b.	Hydraulic Elevators	It is not clearly stated that a hydraulic elevator may not be returned to service until it can pass the required tests.	Council	<p>SPS 318.1708 (2) (i) <u>3. An elevator that fails a test specified in 8.6.5.14.1 or 8.6.5.14.2 shall not be issued a permit to operate until the elevator conforms with the testing requirements.</u></p>		3/22/18: Tabled; Proposed language pending.
2a.	Permit to Operate	Elevators are required to maintain a valid Permit to Operate in order to operate in Wisconsin. The	Paul Rosenberg	An elevator inspector should be able to review a Permit to Operate during the course of an inspection. It should be displayed inside the elevator or with the maintenance records. Although many owners still display the Permit to	No cost is associated with this change if the original Permit to Operate is displayed,	Dismissed 01/17/2018

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NO.	RULE PROVISION	ISSUE/REASON FOR CHANGE	PROPOSED BY	EXISTING LANGUAGE AND PROPOSED CHANGE	POTENTIAL IMPACT / COST	COMMENTS / STATUS
		<p>Permit to Operate should be displayed in a conspicuous location along with the maintenance records in order to be viewed by elevator and inspection personnel. Over time it will become increasingly difficult to ascertain if an elevator has a valid Permit to Operate.</p>		<p>Operate, without Code language there is no enforceable requirement to do so.</p>	<p>otherwise it would be the cost of copying the original.</p>	
3a.	On-Site Documentation	<p>It is not uncommon, during the first annual inspection, to find that an elevator lacks the Code required On-Site documentation. There is no data to review to determine the history of service, callbacks, and the requirements of an MCP for an elevator. Having the installation company provide</p>	Paul Rosenberg	<p>On an acceptance inspection for new equipment or alterations, ASME A17.1 8.6.1.2.2 On-Site Documentation should be verified as being in place at the inspection as a condition of the elevator passing the inspection. The problem seems to affect about 50% of the elevators currently being installed. The proposed change would only affect new elevators being installed. It will benefit the industry and the owner to make sure the proper documentation is on the job site from day one.</p> <p>The 2016 updated standard changed this section quite a bit, will want to return to this topic once the entire</p>	No cost	Discussed and tabled 01/17/2018

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NO.	RULE PROVISION	ISSUE/REASON FOR CHANGE	PROPOSED BY	EXISTING LANGUAGE AND PROPOSED CHANGE	POTENTIAL IMPACT / COST	COMMENTS / STATUS
		this at the time of acceptance inspection, would be a simple way of ensuring it gets provided on site.		standard has been reviewed to see what might be needed.		
4a.	Testing	A Wisconsin requirement should be added to 8.6.5.14.3(f) that where provided, an Auxiliary Power Lowering Operation system (see 3.26.10) shall be tested as part of a Category 1 test because they are often found not to be working.	Paul Rosenberg	<p>The testing of auxiliary lowering operation on hydraulic elevators is not currently part of the test requirements for a Hydraulic Elevator in ASME A17.1 2016. There is an industry expectation that the requirement will be included in the 2019 edition. Because these devices are not required to be tested, they are often not maintained and they do not function when needed or inspected. Auxiliary Lowering is not a requirement, but where provided, it would be tested. It is estimated that <15% of hydraulic elevators have this device installed. This prevents passengers from becoming trapped inside an elevator during a loss of normal power. If the change is not made, little confidence can be had that the device will function properly during a power loss event.</p> <p>Two proposals:</p> <p>1. To Address the Specific Issue Outlined Above:</p> <p>SPS 318.1708 (2) (i) <u>3. ‘Auxiliary power lowering operation.’ This is a department rule in</u></p>	Testing this device would add about ten minutes to a Category 1 test. Where the device functions properly no cost is associated with the proposed change, other costs would vary depending on the elevator service contract.	<p>The Council endorses the idea that “non-required devices that are installed shall function.”</p> <p>Adopted 01/17/2018; Discussed proposed language, no action taken 03/22/2018; Proposed language pending</p>

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NO.	RULE PROVISION	ISSUE/REASON FOR CHANGE	PROPOSED BY	EXISTING LANGUAGE AND PROPOSED CHANGE	POTENTIAL IMPACT / COST	COMMENTS / STATUS
				<p><u>addition to the requirements in ASME 17.1 section 8.6.5.14.3: Where an auxiliary power lowering operation (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.</u></p> <p>2. To Address a Broader Issue Endorsed by the Council:</p> <p>SPS 318.1011 (2) 318.1708 (2) (i) <u>3. Where a conveyance has devices or standby, auxiliary, or emergency power operations installed, the devices and operations shall be tested and operational per manufacturer recommendations depending on the type of conveyance.</u></p> <p>SPS 318.1011 (5) (b) <u>3. Where an existing conveyance has devices or standby or emergency power operations installed, the devices and operations shall be tested annually and shall be operational depending upon the type of conveyance.</u></p>		
5a.	Category 1 Test	If the change is not made, it is possible that the auxiliary power device will not function when needed to remove	Paul Rosenberg	‘On a traction any elevator, any an auxiliary power system designed to move the car to evacuate passengers shall be tested as part of the Category 1 tests <u>in accordance with manufacturers’ procedures.</u> ’ Examples: Schindler PEBO, MCE TAPS, Reynolds &	Testing this device would add about ten minutes to a Category 1 test. The costs would vary according to	Adopted 01/17/2018; Review Proposed language pending in #4a, it should incorporate these concerns.

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NO.	RULE PROVISION	ISSUE/REASON FOR CHANGE	PROPOSED BY	EXISTING LANGUAGE AND PROPOSED CHANGE	POTENTIAL IMPACT / COST	COMMENTS / STATUS
		an entrapped passenger.		<p>Reynolds Rescuator, Otis MRO, etc. This proposed change would affect new and existing machine room-less traction elevators. The test would occur once a year during the Category 1 test.</p> <p>SPS 318.1708 (2) (i) <u>4. 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.</u></p>	the elevator's service contract.	<p>3/22/18: 5a language wouldn't need to exist separately if 4a wording includes specific and general concerns. Proposed language pending</p>
6a.	Construction Use Elevators	ASME A17.1 2016 lists 90 days as a recommended interval to perform inspections on Construction Use elevators. It is a recommended interval and without specific language in SPS 318 it can not be clearly enforced. Though SPS 318 adopts Section 5.10 of ASME A17.1, which governs Construction Use elevators, there is	Paul Rosenberg	Issue a 90 day permit for Construction Use elevators. Every 90 days a periodic inspection would be required and then a new 90 day permit can be issued. When 365 days has elapsed since the initial Construction Use permit was issued the applicable Cat 1 tests must be performed and documented. This would only affect elevators on construction sites that are not capable of meeting the full requirements of ASME A17.1, but are needed to transport personnel and material during the construction phase of the building. Such elevators are usually only found on high-rise job sites.	The cost would be any costs associated with a periodic inspection.	Item will be discussed in the context of Item 32 in the spreadsheet due to the related topic. Tabled 01/17/2018

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NO.	RULE PROVISION	ISSUE/REASON FOR CHANGE	PROPOSED BY	EXISTING LANGUAGE AND PROPOSED CHANGE	POTENTIAL IMPACT / COST	COMMENTS / STATUS
		currently no specific language clearly indicating the time intervals for inspecting.				
7a.	Counterweight Runby Data Plate	Under the current conditions of a periodic elevator inspection, if rope or belt stretch has occurred in the suspension means, the inspector is unable to determine if the stretch is acceptable. The counterweight runby data plate is required to list the maximum runby so that the elevator does not drift too far into the overhead. The Code lists 6" as a minimum runby at time of acceptance inspection, but then allows for this to decrease over time, provided that it does not prevent the elevator from engaging the final	Adam Smith	<p>This issue affects every traction elevator. Without a minimum runby provided, that takes into account allowable stretch, the inspectors may cite every elevator with more than 6" of stretch in the system. Many of these elevators technically may not need to have their suspension means shortened, but without additional data, rope stretch may continue to be listed as a violation.</p> <p>With this concern in mind, many counterweight runby data plates already include this information. Without the SPS 318 language change however, there will continue to be many installed that do not contain this information.</p> <p>8.7.1.8 8.9 8.6.1.5 2.4.5 Counterweight Runby Data Plate 2.16.3.3 (2.16.3.3.1 to 2.16.3.3.3)</p> <p>SPS 318.1702 (1) <u>(bm) This is a department rule in addition to the requirements in ASME 17.1 section 2.4.5: The data plate shall</u></p>	For elevators being installed by companies that already use the proposed sign, no cost. Less than \$50 for the elevator companies that are not using the sign. Providing this information can allow for significant cost savings, if it allows the inspector or elevator personnel to determine that the suspension means do not need to be shortened.	Adopted 01/17/2018; Proposed language Adopted 03/22/2018

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NO.	RULE PROVISION	ISSUE/REASON FOR CHANGE	PROPOSED BY	EXISTING LANGUAGE AND PROPOSED CHANGE	POTENTIAL IMPACT / COST	COMMENTS / STATUS
		limit. Without a listed minimum runby, the inspector is unable to determine whether or not the elevator can engage the final limit.		<u>indicate the minimum designed counterweight runby.</u>		
8a.	Hydraulic Control Valves	Add language to SPS 318 that the hydraulic control valve on an A18.1 conveyance shall be tested to meet the requirements of SPS 318.1808 at acceptance and during a Category 5 test where applicable at time of alteration or replacement.	Adam Smith 12.11.2017	<p>ASME A18.1 does not contain language to indicate when the hydraulic control valve should be tested. Most companies would still test the valve, as most companies are not aware of the lack of language in ASME A18.1 covering this item. ASME A18.1 used to be contained within ASME A17.1 and at that point the testing language was included through reference, but it was not carried over when ASME A18.1 was created as a stand alone standard.</p> <p><i>A17.1 8.10.3.2.2 (v) Control Valve (1) to (6)</i></p> <p><i>SPS 318.1808 (7) [create 1.]</i> <u><i>2. This is a department rule in addition to the requirements in ASME A18.1 section 10.3.3: The hydraulic control valves shall be tested in accordance with the requirements in ASME A17.1 8.10.3.2.2 (v).</i></u></p>	None.	Tabled 01/17/2018; Proposed language pending

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NO.	RULE PROVISION	ISSUE/REASON FOR CHANGE	PROPOSED BY	EXISTING LANGUAGE AND PROPOSED CHANGE	POTENTIAL IMPACT / COST	COMMENTS / STATUS
9a.	Removal or dismantling of conveyances	A license shall not be required to remove or dismantle an existing conveyance where a new elevator will not be installed in the hoistway or wellway, provided that the existing elevator car and counterweight (if applicable) have been landed on the buffers at the bottom of the hoistway by a licensed contractor.	Paul Rosenberg 05.15.2018	<p>The problem occurs because a discrepancy exists between SPS 305.9905 Elevator Contractor, which does not required a license to remove or dismantle an elevator and SPS 305.991 Elevator installers, which specifically requires a licensed elevator installer to "remove or dismantle conveyances".</p> <p>s. 101.984 Licenses and supervision required.</p> <p>(1) ELEVATOR CONTRACTOR. No person may engage in the business of constructing, installing, altering, servicing, replacing, or maintaining conveyances in this state unless the person is licensed as an elevator contractor under s. 101.985 (1).</p> <p>(2) ELEVATOR MECHANIC.</p> <p>(a) Generally. Except as provided in par. (c), no individual may erect, construct, alter, replace, maintain, repair, remove, or dismantle any conveyance in this state unless the individual is licensed as an elevator mechanic under s. 101.985 (2) or is under the direct supervision of a person licensed as an elevator contractor under s. 101.985 (1).</p> <p>(c) Exceptions.</p> <p>1. Paragraph (a) does not apply to an individual who removes or dismantles a conveyance that is destroyed as a result of a complete demolition of a building</p>	REDUCE costs for a General Contractor: A recent bid had removal of a 5-stop hydraulic passenger elevator at just under \$35,000.	

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NO.	RULE PROVISION	ISSUE/REASON FOR CHANGE	PROPOSED BY	EXISTING LANGUAGE AND PROPOSED CHANGE	POTENTIAL IMPACT / COST	COMMENTS / STATUS
				or where the hoistway or wellway is demolished back to the basic support structure such that the hoistway or wellway is inaccessible.		

No.	Code Provision	Recommended by	Comments	Potential Cost	Notes
E1.	SPS 318.1004 Definitions	DIS	Add definitions for “ANSI E1.42”, “orchestra pit lift”, remove “orchestra elevator” and “stage elevator”, amend “passenger elevator”		See Related Provisions in the proposal; SPS 318.4203 (2)
E2.	SPS 318.1005	Drafting	Add the standard to the list of adopted standards.		See Related Provisions in the proposal
E3.	SPS 318.1007	Drafting	Add Table SPS 318.1007-5 for Scope of Work for orchestra pit lifts <i>This needs input from the Council on which alterations, replacements, or repairs need to be included here.</i>		See Related Provisions in the proposal
E4.	SPS 318.1700 (1) (b)	Drafting	Amend chapter to remove references to “orchestra elevators” and “stage elevators” and replace with “orchestra pit lifts”		See Related Provisions in the proposal
E5.	Forward This standard does not address the fall hazard presented at the stage edge when the Lift platform is lower than stage floor level.	Sub-Committee	When the lift is below the stage or audience level, a potential for a significant fall hazard exists. If WI wants to safeguard against this hazard, additional language will need to be included to cover this hazard. An example of a stage edge fall protection plan is included in Annex B.		Proposal SPS 318.4200 (5)
E6.	1.1.1.1 Subsequent Inspections	Sub-Committee	If WI wants to require inspections of these lifts on a periodic basis after installation, additional language will need to be drafted. Recommend annual inspections with 5-year full load tests.		Proposal: SPS 318.4201 (1), SPS 318.4207 (5) (a), (b), and (c); and SPS 318.4208 (6)
E7.	1.1.2 Equipment covered by this standard; 1.1.4 Equipment not covered by this standard	Sub-Committee	Speed @ 15 fpm or less. No passengers, single section lifts only, does not cover organ lifts, sound control lifts, etc. WI should consider if it wants to cover any of the items exempted in 1.1.2 and 1.1.4.		Proposals SPS 318.4201 (2) and (3)

No.	Code Provision	Recommended by	Comments	Potential Cost	Notes
E8.	Chapter 2 Referenced Publications	Drafting	Clarify that the secondary standards are informational only		Proposal SPS 318.4202
E9.	3.2.2 Qualified person	Sub-Committee	<p>Persons performing tests and maintenance on these lifts will need to meet this definition. Currently, most of these newer lifts are not manufactured by elevator companies. Will the owner be required to have a WI licensed person work on these lifts? Wisconsin based elevator companies are not trained on these new products. Will the owner be able to call in the OEM for testing or maintenance? Licensing vs qualification. The OEM techs do not have WI elevator licenses and while qualified to work on these lifts, may not meet the requirements to obtain a Wisconsin elevator license.</p> <p><u>3.2.1 Competent person:</u> 3.3.21, 6.4.4.1, A.1.1.1.1 (b) (2), A.1.1.1.1 (b) (10), A.5.5 (c)</p> <p><u>3.2.2 Qualified person:</u> 3.3.3, 5.5.4, 5.6.1.2 (?), 7.1.3, 7.2.2, 8.2.4, 8.3.2, 8.4.1.2, 8.4.6.1, 8.4.6.2, A.1.1.1.1 (d), A.3.2.2, A.3.2.2 (a), A.3.2.2 (b), A.3.2.2 (c), A.5.5.10.2, A.5.6.3</p>		Proposals SPS 318.4203 (1) (a); 318.4205 (2) and (3); 318.4208 (2), (5), and (6)
E10.	3.3.6 Dead load	Sub-Committee	This is similar to empty load in A17.1, may need to be taken into consideration for the SPS 318 Alteration section and any associated sections that may need to reference this.		
E11.	3.3.18 Lifting load; 3.3.36 Static load	Sub-Committee	Where can this information be obtained? When would this information be gathered and submitted?		Proposals SPS 318.4203 (1) (c) and (d)
E12.	4.1.4.1 Brakes	Sub-Committee	Two separate means of stopping and preventing unintended movement of the lift platform. ESTA does		Proposal SPS 318.4204 (1)

No.	Code Provision	Recommended by	Comments	Potential Cost	Notes
			not list what capacity the brake should be capable of holding. Clarify? 125% like A17.1? Testing limitations on very large capacities. ESTA Member states that it was not their intent to test the brakes with more than 100%.		
E13.	4.1.4.1.2 Brakes	Sub-Committee	What is this? Ask for an example from manufacturers. Serapid uses a steel frame sectional beam. Inspectors will have to verify.		Proposal SPS 318.4204 (2)
E14.	4.1.6 Drift; 4.3.3 Horizontal clearances	Sub-Committee	This sounds great.		
E15.	4.3.3 ; Horizontal Clearances; 4.3.3.1	Sub-Committee	Between the edge of the lift platform surface and what? Do we need to clarify?		Proposal SPS 318.4204 (3)
E16.	4.6 Lighting	Sub-Committee	Is this enough detail?		
E17.	4.6.1 Illumination levels	Sub-Committee	Measured where? Need to include more detail.		Proposal SPS 318.4204 (4)
E18.	5.1.3 Drive machinery disconnect	Sub-Committee	Should this be a fused or breaker type akin to NEC 620.51?		Proposal SPS 318.4205
E19.	6.1.2 Device testing; 6.2.4 Restart	Sub-Committee	FYI for inspections		
E20.	6.3.1.2 Shear and crushing protection, Use	Sub-Committee	Protection can be pressure, optical, or other suitable guarding mechanism. Who determines suitable? Bevels are allowed where horizontal projection is less than 1". 60-degree bevel.		Proposal SPS 318.4206 (1)
E21.	6.3.3 Test force	Sub-Committee	Need better testing tools.		
E22.	6.4.6 Emergency unlocking signage	Sub-Committee	If the unlocking device is a key or a button, should it be stored or kept away from untrained personnel?		Proposal SPS 318.4206 (2)
E23.	7.1.1	DIS	Incorporate 8.6 instead of this section to cover testing requirements		Proposal SPS 318.4207 (1)

No.	Code Provision	Recommended by	Comments	Potential Cost	Notes
E24.	7.1.4	DIS	Should not apply, this work is done by the department during plan review.		Proposal SPS 318.4207 (2)
E25.	7.2.2	DIS	Unnecessary requirement for owners		Proposal SPS 318.4207 (3)
E26.	7.9.1 Dynamic test loads, Test	Sub-Committee	Fixed speed lifts are to be run with lifting load (rated load) at speed for five cycles.		
E27.	7.9.7 Inspect the following; 7.9.7.5	Sub-Committee	The criteria is “any other anomalies.” Is this too vague?		Proposal SPS 318.4207 (4)
E28.	Chapter 8: Operation, Maintenance and Repair	Sub-Committee	Should this section apply to all new and existing lifts? Testing guidelines would be good for all lifts but will need clarification.		Proposal SPS 318.4200 (3)
E29.	8.1.2 Records	Sub-Committee	A large facility could have many, many people capable of operating the lifts.		Proposal SPS 318.4208 (1)
E30.	8.3.2 Trained personnel	Sub-Committee	As defined, qualified person is not a Wisconsin elevator mechanic. Does maintenance need to be done with an OEM rep sub-contracting a WI licensed mechanic? Testing, too?		Proposal SPS 318.4203 (1) (a)
E31.	8.3.3 Manufacturer’s instructions	Sub-Committee	MCP equivalency? In ASME A17.1 MCP is written by current service company. Current service company not tied to the whim of the OEM.		Proposal SPS 318.4208 (3) <i>Modeled after SPS 318.1708 (2) (b) 2.</i>
E32.	8.3.4 Record keeping requirements	Sub-Committee	Paper or electronic?		Proposal SPS 318.4208 (4)
E33.	Annex A1.1.1.1 Subsequent inspections	Sub-Committee	SPS will need language to have annual inspections and acceptance and five-year testing. Should we have 5-year testing with weight?		Proposal SPS 318.4207 (5) (a) through (c)
E34.	Inspection Items	Sub-Committee	What items should be tested at the annual? Do we need to specifically spell them out?		Proposal SPS 318.4207 (5) (a) through (c)
E35.	Pit Access	Sub-Committee	The motors and control mechanisms are often located in the pit. Should we have language requiring a means to access the pit be made available for use when the lift is at the lowest landing? Serapid installs a trap		Proposal SPS 318.4200 (4)

No.	Code Provision	Recommended by	Comments	Potential Cost	Notes
			door in the platform, Gala has a door and ladder in the landing at the lowest landing.		

Related Provisions to the adoption of ANSI E1.42-2016:

SPS 318.1004

(4m) “ANSI E1.42” means ANSI E1.42-2016, *Entertainment Technology-Design, Installation, and Use of Orchestra Pit Lifts*, as adopted under s. SPS 318.1005 (1) and modified by this chapter.

(10)

~~(g) “Orchestra elevator” 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 musicians and their equipment.~~

(gm) “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.

(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, ~~stage and orchestra elevators~~ orchestra pit lifts, special purpose personnel elevators, sidewalk elevators, and rooftop elevators.

~~(n) “Stage elevator” means a permanent powered hoisting and lowering mechanism that has a platform which serves as a part of a permanent stage.~~

SPS 318.1005 Adoption of standards by reference.

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

(c) *Entertainment Technology-Design, Installation, and Use of Orchestra Pit Lifts, ANSI E1.42-2016.*

SPS 318.1007 Plan review and approval.

(1) (a) 2. Before ~~commencing an alteration of an existing conveyance as delineated in Tables SPS 318.1007-1 to 318.1007-4~~ 318.1007-5, an approval shall be obtained from the department or agent municipality within whose boundaries the conveyance is located.

(2) (c) 2. c. A cross-section through the hoistway, pit, ~~and car,~~ and platform showing all applicable dimensions.

(3) (a) For proposed alterations and 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,~~ and 318.1007-5, all of the following shall be submitted with the request for approval:

Table SPS 318.1007-5
Orchestra Pit Lifts

<u>Item</u>	<u>Scope of Work</u>
<u>1.</u>	<u>Alteration to or replacement of</u>
<u>2.</u>	<u>Increase or decrease of more than 5% of the total lifting or static load.</u>
<u>3.</u>	<u>Replacement or addition of an edge protection device.</u>

SPS 318.1700 (1) (b) ~~Orchestra elevators and stage elevators~~ Orchestra pit lifts shall be designed, constructed, installed, operated, maintained, tested, and inspected in accordance with ~~the applicable criteria in this chapter~~ subchapter VI.

Proposed Language for the adoption of ANSI E1.42:

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

- SPS 318.4200 Entertainment technology.
- SPS 318.4201 Scope and application.
- SPS 318.4202 Reference codes, standards, and specifications.
- SPS 318.4203 Definitions.
- SPS 318.4204 Design requirements.
- SPS 318.4205 Control systems.
- SPS 318.4206 Safety systems.
- SPS 318.4207 Installation and inspections.
- SPS 318.4208 Operation, maintenance, and repair.

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 chapter.

(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 the effective date of the rule or standard.

(4) PIT ACCESS. Orchestra pit lifts installed after the effective date of this subsection [LRB to insert the date] 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 EDGE FALL PROTECTION PLAN. Orchestra pit lift’s owners 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 E1.42 Annex B.

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 which is not covered by this subchapter shall be subject to SPS 318.1700 (1) (b).

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.

SPS 318.4203 Definitions.

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

- (a) “Qualified person” means one who is licensed for the corresponding work by the department under s. 101.985, Stats.
- (b) “Authority having jurisdiction” means the department of safety and professional services, except as designated under s. SPS 318.1012.
- (c) “Lifting load” means the maximum live load intended for the user to add to the lift platform to be moved at the rated speed as provided by the manufacturer upon installation or as approved by the department.
- (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 E1.41 chapter 3: “Orchestra pit lift” has the meaning as defined in SPS 318.1004 (10) (gm).

SPS 318.4204 Design requirements.

(1) 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.

(2) 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.

(3) 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.

(4) This is a department rule in addition to requirements in ANSI E1.42 section 4.6.1: The illumination levels shall be measured at the edge of the lift platform.

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 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 must 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 must 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 must not initiate motion without the direct action of the lift operator and may limit speed and direction of travel while engaged.

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.

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 section 8.6 of ASME 17.1.

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

(3) The requirement in ANSI E1.42 section 7.2.2 is not included as part of this subchapter.

(4) Substitute the following wording for the requirements in ANSI E1.42 section 7.9.7.5: Any additional features 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.

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 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 318.1007-5. An orchestra pit lift may not be returned to service until the elevator is in compliance with 8.4.6.

ASME 17.1 – 2016 / CSA B44 - 16

NO .	CODE SECTION	CURRENT SPS 318	COMMENTS ON THE CHANGE	COUNCIL RECOMMENDATIONS / REVIEW NOTES	POTENTIAL IMPACT/COST	COMMENTS / STATUS
1	1.3 Revised	Substitute "Authority having jurisdiction" and Note for 1.3 to clarify some additional definitions.	Moved unlocking zone requirements from Definitions into 2.12.1.			
Part 2: Electric Elevators						
2	2.4.2.2 Revised	No reference.	Added elastomeric buffers in the code, similar to spring buffers			
3	2.7.5.3.3 Revised	No reference.	Changed to require a railing where a 12" ball could pass next to a working platform instead of 12" measurement horizontally from the working platform to a hoistway wall.			
4	2.7.6.3.2 (e) Added	<i>New subsection.</i>	Label for location of motor controller cabinet as "AGP".			
5	2.7.6.3.2 (f) Added	<i>New subsection.</i>	Label stating door must be closed when unattended.			

ASME 17.1 – 2016 / CSA B44 - 16

NO .	CODE SECTION	CURRENT SPS 318	COMMENTS ON THE CHANGE	COUNCIL RECOMMENDATIONS / REVIEW NOTES	POTENTIAL IMPACT/COST	COMMENTS / STATUS
6	2.12.1 First paragraph added	<i>New paragraph.</i>	Moved unlocking zone requirements from Definitions into code.			
7	2.12.6.2.3 Revised	No reference.	Added "door" to hoistway unlocking device for clarity.			
8	2.12.7.2.1 [2.12.7.2 Revised in its entirety]	No reference.	Added location for hoistway access switches, near or on the entrance frame, jamb, or sight guard.			
9	2.12.7.2.5 [2.12.7.2 Revised in its entirety]	No reference.	Added requirement for hoistway access switches attached to moving parts to have flexible wiring such that a failure in the wiring would not render other safety components ineffective.			
10	2.12.7.3.3 Subparas. (c) and (e) revised	No reference.	Added location for the elevator to stop when using hoistway access to the pit, requiring space of 84" to 96" in height, where possible.			

ASME 17.1 – 2016 / CSA B44 - 16

NO	CODE SECTION	CURRENT SPS 318	COMMENTS ON THE CHANGE	COUNCIL RECOMMENDATIONS / REVIEW NOTES	POTENTIAL IMPACT/COST	COMMENTS / STATUS
11	2.13.2.1.1 Revised	No reference.	Corrected language from "landing" zone to "unlocking" zone.			
12	2.14.1.7.1 First sentence revised	No reference.	Changed to require a railing where a 12" ball could pass the edge of a car top instead of 12" measurement horizontally from the edge of the car top to a hoistway wall.			
13	2.14.1.7.2 Revised	No reference.	Only rearranged requirement numbering and order without changing dimensions.			
14	2.14.5.7 Phrasing corrected	No reference.	Clarified what can substitute for horizontal clearance, no change to requirements.			
15	2.15.6.3 & 2.15.7.2 Revised	No reference.	Changed the vague term of " <i>good</i> engineering practice" to the vague term of " <i>sound</i> engineering practice" for metals used in car frames and connecting frames to platforms.			
16	2.18.6.2	No reference.	Clarified how breaking strength of a governor			

ASME 17.1 – 2016 / CSA B44 - 16

NO .	CODE SECTION	CURRENT SPS 318	COMMENTS ON THE CHANGE	COUNCIL RECOMMENDATIONS / REVIEW NOTES	POTE NTIAL IMPA CT/CO ST	COMMENTS / STATUS
	Last sentence revised		rope is to be determined.			
17	2.20.3 Second paragraph revised	No reference.	Changed the vague term of " <i>best</i> engineering practice" to the vague term of " <i>sound</i> engineering practice" for factor of safety for suspension means.			
18	2.22.1.1 First paragraph revised, and 2.22.1.1.4 through 2.22.1.1.6 added	No reference.	Added requirements for elastomeric buffers, their application (speeds not exceeding 200 fpm, temperature, humidity, etc.) and fastening to building structure.			
19	2.22.2 In first paragraph, last sentenced added	No reference.	Added limit on use of solid bumpers to rated speed not exceeding 50 fpm			
20	2.22.4.5.2 [2.22.4.5 revised]	No reference.	Reworded the section covering lateral movement of a spring-return or gravity-return oil buffer.			

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NO .	CODE SECTION	CURRENT SPS 318	COMMENTS ON THE CHANGE	COUNCIL RECOMMENDATIONS / REVIEW NOTES	POTENTIAL IMPACT/COST	COMMENTS / STATUS
21	2.22.5 Added	<i>New section.</i>	Added details of performance for elastomeric buffers, tests, and marking plates.			
22	2.25.2.1.2 First paragraph revised	No reference.	Added after the term "Normal Terminal Stopping Devices", the statement "(i.e., those devices used for sensing relative changes in car position)"			
23	2.26.2.5 Subpara. (b) revised	No reference.	Clarified that an emergency stop switch shall be of the push-button type, not with a handle.			
24	2.26.4.3.1 Note added	No reference.	Clarified the old term for switches having "contacts that are positively opened mechanically".			
25	2.27.2.4.4 (a) & (b) Revised in its entirety	318.1702 (10) (a) Emergency or standby power system. This is a department informational	Added hoistway access operation as one of the functions that is not overridden by emergency/stand-by power operation, along with designated			

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NO .	CODE SECTION	CURRENT SPS 318	COMMENTS ON THE CHANGE	COUNCIL RECOMMENDATIONS / REVIEW NOTES	POTE NTIAL IMPA CT/CO ST	COMMENTS / STATUS
		note to be used under ASME A17.1 section 2.27.2:	attendant, inspection operation, Phase I or Phase II FEO. Added 30 sec. time limit to wait for an elevator to respond.			
26	2.27.3.1.6 (c) Subparas. (c) and (d) revised	No reference.	Clarified a very long section into a very short one to state that placing a car on Phase I FEO cannot override an in-car or emergency stop switch.			
27	2.27.3.2.1 Note added	No reference.	Added an important note stating locations of motor controller or driving machine must be provided with an initiating device for Phase I FEO regardless of the presence of sprinklers. May need to make this code.			
28	2.27.3.2.2 Note (2) added	No reference.	Added an important note stating locations of motor controller or driving machine must be provided with an initiating device for Phase I FEO regardless			

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NO .	CODE SECTION	CURRENT SPS 318	COMMENTS ON THE CHANGE	COUNCIL RECOMMENDATIONS / REVIEW NOTES	POTE NTIAL IMPA CT/CO ST	COMMENTS / STATUS
			of the presence of sprinklers. May need to make this code.			
29	2.27.3.3.7 Second paragraph revised	No reference.	Added wording to make a fire phone jack clearly optional and to specify its location where provided.			
30	2.29.1.2 (a) to (h) Revised in its entirety	No reference.	Clarified locations for identifying the elevator number.			
31	2.29.1.2 (i) Revised in its entirety	No reference.	Added more landings where the elevator number has to be indicated on the hoistway door frames, to include alternate level, level where tests are performed, level of an inspection and test panel, 2" in height and immediately below the floor designations on the entrance frames.			
32	2.29.1.2 (j) Revised in its entirety	No reference.	Added elevator numbering to transformers, dynamic braking resistors and line rectifiers.			

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NO	CODE SECTION	CURRENT SPS 318	COMMENTS ON THE CHANGE	COUNCIL RECOMMENDATIONS / REVIEW NOTES	POTENTIAL IMPACT/COST	COMMENTS / STATUS
33	2.29.1.2 (k) Revised in its entirety	No reference.	Added elevator numbering to the means to trip and/or reset the governor from outside the hoistway.			
34	2.29.1.2 (l) Revised in its entirety	No reference.	Added elevator numbering to the means necessary for tests.			
35	2.29.1.2 (m) Revised in its entirety	No reference.	Added elevator numbering to the means necessary for tests.			
36	2.29.1.2 (n) Revised in its entirety	No reference.	Added elevator numbering to buffers or pit channel, visible from the access door to the pit.			
Part 3 Hydraulic elevators						
37	3.6.3 (c)	<i>New subsection.</i>	Added elastomeric buffers, similar to in Part 2	Double check my references added in the second column.		
38	3.27.4 Revised	No reference.	Clarified operation of the car when an initiating device activates while car is on Phase II FEO.			

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NO .	CODE SECTION	CURRENT SPS 318	COMMENTS ON THE CHANGE	COUNCIL RECOMMENDATIONS / REVIEW NOTES	POTENTIAL IMPACT/COST	COMMENTS / STATUS
4.1 Rack-and-pinion elevators						
39	4.1.2. to 4.1.6 [Section 4.1 Revised in its entirety]	No reference.	Added requirements for rack and pinion elevators to meet requirements of Part 2 for hoistways, pits, counterweight guarding, vertical clearances and runbys, protection of spaces below hoistways, cars and counterweights,			
40	4.1.7.1.1 to 4.1.7.1.5 [Section 4.1 Revised in its entirety]	No reference.	Added requirements for machinery spaces, access to the means necessary for tests to be from outside the hoistway, equipment exposed to the weather.			
41	4.1.7.2 [Section 4.1 Revised in its entirety]	No reference.	Added requirements for control rooms to be similar to traditional elevators for construction, headroom, maintenance path, lighting, access door and security.			

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NO .	CODE SECTION	CURRENT SPS 318	COMMENTS ON THE CHANGE	COUNCIL RECOMMENDATIONS / REVIEW NOTES	POTENTIAL IMPACT/COST	COMMENTS / STATUS
42	4.1.7.3 [Section 4.1 Revised in its entirety]	No reference.	Added allowance and requirements to access car-top machinery through the car top exit with conditions.			
43	4.1.7.4 [Section 4.1 Revised in its entirety]	No reference.	Added requirements for accessing machine and control spaces from in the car.			
44	4.1.7.5 [Section 4.1 Revised in its entirety]	No reference.	Added allowance and requirements to access machinery spaces beneath the car.			
45	4.1.7.6 [Section 4.1 Revised in its entirety]	No reference.	Clarifies requirements for control spaces outside the hoistway			
46	4.1.10 [Section 4.1 Revised in its entirety]	No reference.	Added requirements for guarding of exposed moving parts.			
47	4.1.11 to 4.1.13 [Section 4.1 Revised in its entirety]	No reference.	Added requirements for protection of hoistway openings to meet Part 2 except emergency access doors are not required for elevator with access restricted to only authorized personnel. Added			

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NO .	CODE SECTION	CURRENT SPS 318	COMMENTS ON THE CHANGE	COUNCIL RECOMMENDATIONS / REVIEW NOTES	POTE NTIAL IMPA CT/CO ST	COMMENTS / STATUS
			requirements for door locks, hoistway access and power operation of doors to meet Part 2.			
48	4.1.17.2 [Section 4.1 Revised in its entirety]	No reference.	Added missing safety factor and material spec. for rack and pinion safety devices.			
49	4.1.17.3 [Section 4.1 Revised in its entirety]	No reference.	Added marking plates for safety devices. May require SPS 318 code similar to 318.1702(8)			
50	4.1.18 [Section 4.1 Revised in its entirety]	No reference.	Added requirements for governors. May require SPS 318 code similar to 318.1702(9)			
51	4.1.19 [Section 4.1 Revised in its entirety]	No reference.	Added requirements for ascending car overspeed.			
52	4.1.20 [Section 4.1 Revised in its entirety]	No reference.	Added requirements for suspension ropes to meet Part 2			
53	4.1.24.3 to 4.1.24.8 [Section 4.1 Revised in its entirety]	No reference.	Added requirements for fasteners transmitting loads, connections, shafts, keys, gears,			

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NO .	CODE SECTION	CURRENT SPS 318	COMMENTS ON THE CHANGE	COUNCIL RECOMMENDATIONS / REVIEW NOTES	POTENTIAL IMPACT/COST	COMMENTS / STATUS
			clutches, brakes and inspection of gears.			
54	4.1.26 [Section 4.1 Revised in its entirety]	No reference.	Added requirements for operating devices and control equipment similar to 2.26.			
5.2: Limited-use/limited-application (LULA) elevators; 5.3: Private residence elevators						
55	5.2.1.14 Former subpara. (f) deleted and remaining redesignated ; new subparas. (k) and (l) revised	No reference.	Added prohibition of folding doors.			
56	5.3.1.14.1 Revised	318.1705 (3) (a) This is a department rule in addition to the requirements in ASME A17.1 section 5.3: Machinery spaces, machine	Added requirement for elastomeric bumpers to be buffers			

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NO .	CODE SECTION	CURRENT SPS 318	COMMENTS ON THE CHANGE	COUNCIL RECOMMENDATIONS / REVIEW NOTES	POTE NTIAL IMPA CT/CO ST	COMMENTS / STATUS
		rooms, control spaces, and control rooms where provided shall conform to the requirements in ASME A17.1 section 5.2.1.7.				
57	5.3.1.19.1 [5.3.1.19 Revised in its entirety]	See above.	Added requirement for residential elevator telephone to be like a commercial elevator telephone except without the phone line monitoring system.			
58	5.3.1.19.2 [5.3.1.19 Revised in its entirety]	See above.	Added requirement for a separate alarm to be like a commercial elevator			
59	5.11 Revised	Exempt	Wind turbine elevator section deleted and moved to a new A17.8. Already exempt from regulation.			
6.1: Escalators						

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NO .	CODE SECTION	CURRENT SPS 318	COMMENTS ON THE CHANGE	COUNCIL RECOMMENDATIONS / REVIEW NOTES	POTE NTIAL IMPA CT/CO ST	COMMENTS / STATUS
60	6.1.3.10.1 Revised	No reference.	Added details to the names of the standards to be used for truss design.			
61	6.1.5.3.2 Revised	No reference.	Added allowance for a drive chain device meeting 6.1.6.3.4 as one of two methods to choose from for braking where the driving machine and main drive shaft are connected by chains.			
62	6.1.6.7 Revised	No reference.	Added requirement for escalator braking distance monitor.			
63	6.1.7.4.3 Revised	No reference.	Changed names of standards to be used for testing of escalator control equipment.			
6.2: Moving Walks						
64	6.2.3.11.1 Revised	No reference.	Added details to the names of the standards to be used for truss design.			
65	6.2.5.3.1 (d) (5) Added	<i>New subsection.</i>	Added requirements for stopping distance when safety devices are activated.			

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NO .	CODE SECTION	CURRENT SPS 318	COMMENTS ON THE CHANGE	COUNCIL RECOMMENDATIONS / REVIEW NOTES	POTE NTIAL IMPA CT/CO ST	COMMENTS / STATUS
66	6.2.6.8 New 6.2.6.8 added, and subsequent paras. redesignated	No reference.	Added requirement for device to monitor the performance of brakes.			
67	6.2.7.4.3 Revised	No reference.	Changed names of standards to be used for testing of moving walk control equipment.			
Part 7: Dumbwaiters and Materials Lifts						
68	7.1.12.1.1 Revised	No reference.	Changed to limit the substitution of mechanical locks/electric contacts for hoistway door interlocks to only hoistway doors where a fall into the hoistway would be less than 24".			
69	7.2.3.2 Revised	No reference.	Changed capacity plates to no longer require them to be metal.			
70	7.2.12.31 New 7.2.12.31 added, and former	<i>New section.</i>	Added section for hoistway door close contacts for dumbwaiters that can be operated with			

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NO .	CODE SECTION	CURRENT SPS 318	COMMENTS ON THE CHANGE	COUNCIL RECOMMENDATIONS / REVIEW NOTES	POTENTIAL IMPACT/COST	COMMENTS / STATUS
	7.2.12.31 through 7.2.12.38 redesignated as 7.2.12.32 through 7.2.12.39, respectively		hoistway doors closed but not locked within 3" of a landing.			
71	7.4.6.1.4 Revised	No reference.	Added allowance to use a car top prop device or other means to when on inspection operation, to provide for minimum 43" car top clearance/refuge space. Code reference should be written to the LULA code or details of design and operation.			
72	7.5.4.3 Revised	No reference.	Corrected the use of Type A safety devices to only where speed is 200 fpm or less.			
73	7.5.12.1.3 New 7.5.12.1.3 added, and former 7.5.12.1.3 through	<i>New section.</i>	Added requirement to have persons riding a car top that where its platform is less than 15 sq. ft. in area			

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NO	CODE SECTION	CURRENT SPS 318	COMMENTS ON THE CHANGE	COUNCIL RECOMMENDATIONS / REVIEW NOTES	POTENTIAL IMPACT/COST	COMMENTS / STATUS
	7.5.12.1.23 redesignated as 7.5.12.1.4 through 7.5.12.1.24, respectively					
74	7.9.2.4 New 7.9.2.4 added, and former 7.9.2.4 through 7.9.2.20 redesignated as 7.9.2.5 through 7.9.2.21, respectively	<i>New section.</i>	Added requirement to not allow transfer devices to be obscured.			
Part 8: General Requirements						
75	8.1.2 In Note, new subparas. (q) and (r) added, and existing subparas. redesignated	318.1708 General requirements. (1) SECURITY. This is a department rule in addition to the requirements	Added machine and control spaces on a car top or in a car for rack and pinion elevators in Group 1 security.			

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NO .	CODE SECTION	CURRENT SPS 318	COMMENTS ON THE CHANGE	COUNCIL RECOMMENDATIONS / REVIEW NOTES	POTE NTIAL IMPA CT/CO ST	COMMENTS / STATUS
		in ASME A17.1 section 8.1: Key access as specified in this section will not be verified by the department or agent municipality.				
76	8.1.3 In Note, new subparas. (g) and (h) added, and subsequent subparas. redesignated	See above.	Added control rooms and control spaces exterior to the hoistway for rack and pinion elevators in Group 2 security.			
77	8.2 to 8.3 Revised	No reference.	Included elastomeric buffers with other types of buffers.			
78	8.3.13 Added	<i>New section.</i>	Added tests and certification of elastomeric buffers.			
79	8.6.1.2.1 (e) Subpara. (f) deleted	318.1708 (2) (a) <i>Application of ASME A17.1 section 8.6.</i> Substitute the	Deleted section of maintenance control program covering how to determine the maintenance schedule			

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NO .	CODE SECTION	CURRENT SPS 318	COMMENTS ON THE CHANGE	COUNCIL RECOMMENDATIONS / REVIEW NOTES	POTENTIAL IMPACT/COST	COMMENTS / STATUS
		following wording for the requirements in the introductory paragraph of ASME A17.1 section 8.6: ASME A17.1 sections 8.6.1 to 8.6.11.				
80	8.6.1.2.2 (b) (5) New subpara.	318.1708 (2) (b) 4. Substitute the following wording for the requirements in the introductory paragraph of ASME A17.1 section 8.6.1.2.2:	Moved requirement for on-site documentation of procedures for tests, inspections and maintenance of means for detecting traction loss, broken suspension member and residual strength here from 8.6.1.2.1(f).			
81	8.6.1.2.2 (c) (3) New subpara., and existing subparas. redesignated	See above.	Added requirement written checkout procedures to include two-way communication means.			

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NO .	CODE SECTION	CURRENT SPS 318	COMMENTS ON THE CHANGE	COUNCIL RECOMMENDATIONS / REVIEW NOTES	POTENTIAL IMPACT/COST	COMMENTS / STATUS
82	8.6.1.7.5 Added	<i>New section.</i>	May be difficult to document which components this covers and whether they were tested. Also, there is no mechanism to have the work inspected unless it is covered in tables SPS 318.1007.	<p>New Section Added: 8.6.1.7.5 Devices Not Covered in Section 8.6. When any device on which the safety of users is dependent is installed that is not specifically covered in Section 8.6, it shall be inspected and tested in accordance with the requirements of the manufacturer’s or the altering company’s procedures (see 8.6.1.6.1 and 8.7.1.2). Documentation that contains the testing procedures of these devices shall remain with the equipment and be available in the on-site documentation (see 8.6.1.2.2). The removal or disabling of such devices shall be considered an alteration and shall comply with 8.7.1.2</p> <p>Rationale: It is a common occurrence for the latest Code to require safety devices and other items on new equipment that are not required by the Code adopted by the Authority Having Jurisdiction (AHJ). Manufacturers comply with the latest Code when manufacturing new equipment and provide all required safety devices. In addition, manufacturers/installers sometimes include safety device and features beyond code requirement to enhance the safety of equipment. This may be done because of design features or to assure the maximum safety allowed by the state of technology. Also, compliance with ASME A17.7/CSA B44.7 may require additional features or devices.</p>		
83	8.6.3.6.1 [8.6.3.6 Revised in its entirety]	No reference.	Changed replacement of a governor to always be considered an alteration meeting	Rationale: To allow for the replacement of a speed governor with one of the same make, model and manufacturer to that being replaced and to add testing requirements to assure all replacements operate in the		

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NO .	CODE SECTION	CURRENT SPS 318	COMMENTS ON THE CHANGE	COUNCIL RECOMMENDATIONS / REVIEW NOTES	POTENTIAL IMPACT/COST	COMMENTS / STATUS
			current code but added exception for where there is a governor available that is identical to the one being replaced. Then it is considered a replacement and only must meet the original code.	manner intended. The intention is to allow exception to the alteration requirement only when an equivalent governor is available. There are cases where old governor sit for years adjacent to running cars and a governor gear breaks on the running car. Why force the owner to pay for a costly alteration when the repair does not comprise safety. Other cases may include newer equipment damaged by the outside forces. Second sentence, first paragraph, relocated to new 8.6.3.6.2. Rationale for deletion of the first sentence, second paragraph: This is an Alteration- Alteration requires testing of governor. Rationale for deletion of second sentence, second paragraph: This paragraph is moved to 8.7.2.19.		
84	8.6.3.6.2 [8.6.3.6 Revised in its entirety]	No reference.	Added similar language for replacement of a releasing carrier.			
85	8.6.3.8 Subpara. (b) revised	No reference.	Added requirement for door edges to be rendered ineffective on Phase I and Phase II if the elevator is so equipped.			
86	8.6.3.15 Added	<i>New section.</i>	Corrected missing allowance to replace folding car doors with new doors also of the folding type.			

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NO .	CODE SECTION	CURRENT SPS 318	COMMENTS ON THE CHANGE	COUNCIL RECOMMENDATIONS / REVIEW NOTES	POTE NTIAL IMPA CT/CO ST	COMMENTS / STATUS
87	8.6.4.19.2 Subpara. (a) revised	No reference.	Added requirement to test safety switches.			
88	8.6.4.19.8 Last sentence added	No reference.	Added reference to a non-mandatory appendix for door operators that do not have a data plate for closing forces and times for traction elevator Category 1 tests.			
89	8.6.4.19.11 Revised	No reference.	Added emergency brake to Category 1 tests. Added clarification that the lowest operating speed for testing of ascending car overspeed, unintended car movement and emergency brake tests is inspection speed.			
90	8.6.4.19.15 Last sentence added	No reference.	Added requirement for a written checkout procedure for the elevator emergency communications (in-car telephone) system.			

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NO	CODE SECTION	CURRENT SPS 318	COMMENTS ON THE CHANGE	COUNCIL RECOMMENDATIONS / REVIEW NOTES	POTENTIAL IMPACT/COST	COMMENTS / STATUS
91	8.6.4.20.11 Revised	318.1708 (2) (f) 1. 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.	Added testing of ascending car overspeed protection and unintended car movement protection to emergency brake test as Category 5 tests.			
92	8.6.5.14.6 Last sentence added	No reference.	Added reference to a non-mandatory appendix for door operators that do not have a data plate for closing forces and times for hydraulic elevator Category 1 tests.	Rationale: General maintenance requires that the kinetic energy, typically demonstrated through door closing times, must be in compliance with the code. Often the continued absence of door closing times prevents this assessment. Appendix XX was developed via a consolidation of information from several elevator manufacturers and provides guidance / best estimates of permissible door times which can		

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NO .	CODE SECTION	CURRENT SPS 318	COMMENTS ON THE CHANGE	COUNCIL RECOMMENDATIONS / REVIEW NOTES	POTE NTIAL IMPA CT/CO ST	COMMENTS / STATUS
				be used to establish closing times in the absence of data tag.		
93	8.6.6.1 Revised	No reference.	Clarifies that rack and pinion safety devices must be acceptance tested after replacement.			
94	8.6.8.15.1 Revised	No reference.	Changed maintenance of escalator trusses from a list of items to check to more general language including lighting and receptacles.			
95	8.6.11.15 Added	<i>New Section</i>	Added a requirement for elevator personnel to keep motor controller doors closed in public spaces when elevator personnel are not present.	8.6.11.15 Presence of Elevator Personnel When Motor Controllers are Located in Public Spaces. Elevator personnel are to maintain a closed and locked motor controller door when they are not present at the controller cabinet (see 2.7.6.3.2).		
96	8.7.2.2.2 & 8.7.3.2.1 Added	<i>New subsections.</i>	Added allowance for a surface mounted sump pump in an existing elevator pit.			
97	8.7.2.10.1 Subparas. (a), (b), and (c) revised	No reference.	Added requirement for door restrictors to be installed where all (a) or any (b) new hoistway entrance is			

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NO .	CODE SECTION	CURRENT SPS 318	COMMENTS ON THE CHANGE	COUNCIL RECOMMENDATIONS / REVIEW NOTES	POTE NTIAL IMPA CT/CO ST	COMMENTS / STATUS
			being installed or where any entrance is altered (c).			
98	8.7.2.11.1 Revised	No reference.	Added requirement for door restrictors to be installed where new interlocks are installed.			
99	8.7.2.11.3 Revised	No reference.	Added requirement for elevators operable from inside the car only and having a parking device, to also not have a means to turn off the lighting inside the car.			
100	8.7.2.14.1 Revised	No reference.	Added an allowance to not install door restrictors when replacing an elevator car.			
101	8.7.2.14.5 Added	<i>New Section</i>	Added allowance for foldable, collapsible, etc. car top railing where overhead is too low to allow for a rigid railing meeting 2.14.1.7. Railing must meet 8.7.2.14.5.2 (a) through (i)			
102	8.7.2.15.2	No reference.	Added allowance for increase in rated load			

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NO .	CODE SECTION	CURRENT SPS 318	COMMENTS ON THE CHANGE	COUNCIL RECOMMENDATIONS / REVIEW NOTES	POTE NTIAL IMPA CT/CO ST	COMMENTS / STATUS
	Subpara. (e) revised		while new car doors or gates are installed to not require installation of hoistway door restrictors.			
103	8.7.2.21.4 Revised	No reference.	Added requirements that apply when adding suspension means monitoring and protection.			
104	8.7.2.27.5 Subpara. (f) (6) revised	No reference.	Removed the requirement for adding door restrictors when changing the type of motion control. No longer includes 2.14.5.7.			
105	8.7.2.28 Subpara. (a) revised & 8.7.3.31.8 Subpara. (a) revised	318.1708 (3) (c) This is a department rule in addition to the requirements in ASME A17.1 section 8.7.2.28(a): 318.1708 (3) (h) through (j) has department rules related to ASME A17.1	Added allowance to add telephone line monitoring equipment inside the car instead of in the lobby on a modernization project. SPS 318 exempts elevators undergoing mods from requirements to add phone line monitoring.			

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NO .	CODE SECTION	CURRENT SPS 318	COMMENTS ON THE CHANGE	COUNCIL RECOMMENDATIONS / REVIEW NOTES	POTE NTIAL IMPA CT/CO ST	COMMENTS / STATUS
		sections 8.7.3.31.8(a), (c), and (d)				
106	8.7.6.1.18 & 8.7.6.2.17 Added	<i>New sections.</i>	Added allowance to add speed variation devices to existing escalators and moving walks.			
107	8.9.3 Last paragraph added	318.1708 (4) 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.	Added allowance for existing code data plates to remain if compliant at the time they were installed.			
108	8.10.1.7 Added	<i>New section</i>	Devices not covered in section 8.10			

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NO .	CODE SECTION	CURRENT SPS 318	COMMENTS ON THE CHANGE	COUNCIL RECOMMENDATIONS / REVIEW NOTES	POTE NTIAL IMPA CT/CO ST	COMMENTS / STATUS
109	8.11.1.9 Added	<i>New section</i>	Devices not covered in Section 8.11. May be difficult to document which components this covers and whether they were tested. Also, there is no mechanism to have the work inspected unless it is covered in tables SPS 318.1007.			

SPS 318: Subchapter V	ASME A18.1 – 2011: Adopted/Amended Standards	ASME A18.1 – 2014: Changes	ASME A18.1 – 2017: Changes from 2014
<p>318.1801 (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.</p>	<p>Section 1.1 Scope Sections 1.1.1, 1.1.2, 1.1.3, 1.1.4</p>	<p>Section 1.1.3 Revised</p>	<p>Section 1.1 No change</p>
<p>318.1801 (2) DEFINITIONS. Substitute the following definitions for the corresponding definitions specified in ASME A18.1 section 1.3: (a) "Authority having jurisdiction" means the department of safety and professional services, except as designated under s. SPS 318.1012. (b) "Building code" means chs. SPS 361 to 366. (c) "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.</p>	<p>Section 1.3 Definitions</p>	<p>Section 1.3 Definition of <i>lever screw driving machine</i> added</p>	<p>Section 1.3 1) Definition of <i>authorized personnel</i> revised 2) Definitions of <i>lift personnel, portable equipment, and relocatable lift</i> added</p>
<p>318.1801 (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 October 31, 2011, except where a different edition is specified directly or indirectly in the building code.</p>	<p>Section 1.5 Reference Codes, Standards, and Specifications</p>	<p>Section 1.5 No change.</p>	<p>Section 1.5 No change. Table 1.5-1 Reference Documents: ○ Updated: ICC/ANSI A117.1-2009 ○ Updated: ASME B29.1 (latest edition) Precision Power Transmission, Roller</p>

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			Chains, Attachments, and Sprockets <ul style="list-style-type: none"> ○ Added: ASME SI-1 ASME Orientation and Guide for use of SI-1 (Metric) Units ○ Added: CSA B355-15 Lifts for Persons With Physical Disabilities ○ Updated: IBC-2015 ○ Updated: IRC-2015 ○ Updated: NFPA 70-2014
318.1801 (3) (b) Substitute ASME A17.1–2013 for the ASME A17.1 reference in ASME A18.1 Table 1.5-1.	Reference in ASME A18.1 Table 1.5-1	ASME A17.1 – 1997 (and later editions)	No change in listing. Most recent ASME A17.1 is 2016
318.1801 (3) (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.	Reference in ASME A18.1 Table 1.5-1 NFPA 70	NFPA 70-2008	NFPA 70-2014 Last updated 2017 Edition (free access online: www.nfpa.org)
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.	Section 2.1.1.2 The runway entrance shall be guarded at the upper landing by a door of unperforated construction not wider than the platform plus 25 mm (1 in.). The door shall be self-closing and at least 1 100 mm (42 in.) high. The runway side of the door shall present a smooth surface. The door shall be located not more than 75 mm (3 in.) from the platform sill. Section 2.1.1.3 The runway entrances at all but the	Section 2.1.1.2 Revised Section 2.1.1.3 No change.	Section 2.1.1.2 No change. Section 2.1.1.3 No change.

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	<p>uppermost landing shall be guarded by unperforated self-closing doors not wider than the platform plus 25 mm (1 in.). The openings created in the runway by these doors shall provide a minimum vertical clearance of 2 000 mm (79 in.). The doors shall guard the entire area of the openings except for space necessary for operation. Space necessary for operation shall reject a ball 12 mm (0.5 in.) in diameter. The lift side of the landing doors and sill shall present a smooth surface located not closer than 10 mm (0.375 in.) nor more than 20 mm (0.75 in.) from the platform floor.</p>		
<p>318.1802 (1) (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.</p>	<p>Section 2.1.1.7 Platform sides not used for entrance or exit shall be guarded by enclosure walls ... <i>(see standard for full text of this rule)</i></p>	<p>Section 2.1.1.7 No change.</p>	<p>Section 2.1.1.7 Revised Section 2.1.1.7.1 Added.</p>
<p>318.1802 (2) PARTIAL RUNWAY ENCLOSURE PROVIDED. (a) This is a department rule in addition to</p>	<p>Section 2.1.2.1 The area under the platform shall be fully enclosed by smooth guards, either</p>	<p>Section 2.1.2.1 No change.</p>	<p>Section 2.1.2.1 No change.</p>

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<p>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.</p>	<p>telescoping or stationary, on all accessible platform sides. The guards shall withstand, without permanent deformation, a force of 550 N (125 lbf) applied on any 100 mm (4 in.) by 100 mm (4 in.) area. The height of stationary guards, if provided, shall be at least equal to the maximum upward travel of the platform floor plus 75 mm (3 in.). The running clearance between the platform enclosure walls and any stationary guard panel, vertical face of the machine housing, or other rigid surfaces shall be not less than 50 mm (2 in.). Shutter-type (telescoping) guards, if provided, shall be securely fastened to the lower landing level and to the platform. Openings necessary for operation of shutter-type (telescoping) guard panels shall reject a ball 12 mm (0.5 in.) in diameter.</p>		
<p>318.1802 (2) (b) This is a department rule in addition to the requirements in ASME A18.1 sections 2.1.2.2 and 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.</p>	<p>Section 2.1.2.2 The runway entrance shall be guarded at the uppermost landing by a door of unperforated construction not wider than the entrance to the platform plus 25 mm (1 in.). The door shall be self-closing and at least 100 mm (4 in.) high. The door shall be located not more than 75 mm (3 in.) from the platform sill.</p> <p>Section 2.1.2.3 The runway entrance shall be guarded at any intermediate landing by a door of unperforated construction not wider than the entrance to the platform plus 25 mm (1 in.).</p>	<p>Section 2.1.2.2 Revised</p> <p>Section 2.1.2.3 No change.</p>	<p>Section 2.1.2.2 No change.</p> <p>Section 2.1.2.3 No change.</p>

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	The door shall be self-closing and extend to a height of at least 1 100 mm (42 in.) above the top terminal landing. The lift side of the door and sill shall present a smooth surface located not closer than 10 mm (0.375 in.) nor more than 20 mm (0.75 in.) from the access edge of the platform floor.		
318.1802 (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.	Section 2.1.3 Runway Enclosure Not Provided	Section 2.1.3.1 Revised	Section 2.1.3 No change.
318.1802 (4) RAMPS. (a) Substitute the following wording for the requirements in ASME A18.1 section 2.1.6.1: 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.	Section 2.1.6.1 Ramping inclinations for floor-mounted ramps shall be not greater than (a) 1 in 8 for heights up to 75 mm (3 in.) (b) 1 in 10 for heights up to 100 mm (4 in.) (c) 1 in 12 for heights greater than 100 mm (4 in.)	Section 2.1.6.1 No change. <i>Where does the text of the Note come from? Appears to be a substantive provision, we should codify the substance or change it to a direct reference to the building code.</i>	Section 2.1.6.1 Renumbered to 2.1.7.1 Section 2.1.5 Added: Relocatable Lifts Sections 2.1.6 through 2.1.8 Renumbered, no changes
318.1802 (4) (b) Substitute the following wording for the requirements in the last sentence and pars. (a) to (e) of ASME A18.1 section 2.1.6.2: When in use, the inclination of retractable ramps shall be in accordance with the building code.	Section 2.1.6.2 (a) to (e): (a) 1 in 4 for heights up to 50 mm (2 in.) (b) 1 in 6 for heights up to 65 mm (2.5 in.) (c) 1 in 8 for heights up to 75 mm (3	Section 2.1.6.2 No change. <i>Should we add a Note here with the cross-reference to the building code?</i>	Section 2.1.6.2 Renumbered to 2.1.7.2

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	in.) (d) 1 in 10 for heights up to 100 mm (4 in.) (e) 1 in 12 for heights greater than 100 mm (4 in.)		
<p>318.1802 (5) PLATFORM AREA. Substitute the following wording for the requirements in ASME A18.1 section 2.6.5: (a) Size of platform. Platform lifts shall have a minimum clear width of 36 inches and a minimum clear length of 54 inches except as specified in par. (b). 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. The minimum width between allowed projections may not be less than 32 inches. (b) Side-entrance platforms. Platform lifts complying with ASME A18.1 section 2.1.1, 2.1.2, or 2.1.3 and having a side entrance shall have a net inside floor area of not more than 18 square feet with a minimum clear width of 39 inches and a minimum clear length of 60 inches.</p>	<p>Section 2.6.5 Floor Area. The inside net floor area of lifts conforming to paras. 2.1.1, 2.1.2, and 2.1.3 shall not exceed 1.7 m² (18 ft²). The inside net floor area of lifts conforming to para. 2.1.4 shall not exceed 2.3 m² (25 ft²).</p>	<p>Section 2.6.5 No change. [Sections 2.1.1.2, 2.1.2.2, 2.1.3.1, 2.1.4.1 revised]</p>	<p>Section 2.6.5 No change. [Section 2.1.1.7 revised and Section 2.1.1.7.1 added; Sections 2.1.1.1 to 2.1.1.6, and 2.1.1.8 no change; Sections 2.1.2, 2.1.3, and 2.1.4 no change]</p>
<p>318.1802 (6) ILLUMINATION. Substitute the following wording for the requirements in</p>	<p>Section 2.6.6.3 An auxiliary illumination source to provide</p>	<p>Section 2.6.6.3 No change.</p>	<p>Section 2.6.6.3 No change.</p>

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<p>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:</p> <p>(a) Activate when normal illumination fails.</p> <p>(b) Utilize not less than 2 lamps of approximately equal intensity.</p> <p>(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.</p> <p>(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.</p>	<p>general illumination of not less than 2.2 lx (0.2 fc) on the floor and controls shall be provided.</p> <p>The auxiliary system shall be automatically activated when normal illumination power fails and shall be capable of maintaining the above illumination intensity for a period of not less than 4 h and shall use no fewer than two lamps of approximately equal wattage.</p>		
<p>318.1802 (7) LIMITATION ON <u>OF</u> LOAD, SPEED, <u>SPEED,</u> 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.</p>	<p>Section 2.7.1 Limitation of Load, Speed, and Travel</p>	<p>Section 2.7.1 Revised</p>	<p>Section 2.7.1 Revised</p>
<p>318.1802 (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</p>	<p>Section 2.10.1 Operation. Operation of the lift from the landings and from the platform shall be controlled by control switches at all stations, and shall be by means of the continuous-pressure type. Controls shall be 1 200 mm (48 in.) maximum and 380 mm</p>	<p>Section 2.10.1 No change.</p>	<p>Section 2.10.1 No change.</p>

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<p>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.</p>	<p>(15 in.) minimum above the platform floor or facility floor or ground level. Operating devices shall be designed so that both the “UP” and “DOWN” circuits cannot be operated at the same time.</p>		
<p>318.1802 (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. The means shall be operable only by authorized personnel, and from a landing, without working directly over the platform.</p>	<p>Section 2.10.10 Manual Operations. Means shall be provided to permit authorized personnel to raise or lower the platform manually in the event of power failure, unless standby (emergency) power is provided. The means to raise or lower the platform shall be capable of being accessed and operated without working directly above the platform.</p>	<p>Section 2.10.10 Revised</p>	<p>Section 2.10.10 Revised</p>
<p>318.1802 (10) EMERGENCY SIGNALS. Substitute the following for the requirements in the introductory paragraph of ASME A18.1 section 2.11: (a) 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. (b) A vertical platform lift installed indoors</p>	<p>Section 2.11 Emergency Signals</p>	<p>Section 2.11 No change.</p>	<p>Section 2.11 Revised</p>

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<p>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.</p> <p>(c) 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."</p>			
<p>318.1803 Inclined platform lifts.</p> <p>(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.</p>	<p>Section 3.1.1 Means of Egress. Lifts shall be installed so that the means of egress is maintained as required by the authority having jurisdiction.</p>	<p>Section 3.1.1 No change.</p>	<p>Section 3.1.1 No change.</p>
<p>318.1803 (2) LOWER LEVEL ACCESS RAMPS</p>	<p>Section 3.1.4.1</p>	<p>Section 3.1.4.1</p>	<p>Section 3.1.4.1</p>

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<p>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.</p>	<p>Ramping inclinations for floor-mounted ramps shall be not greater than (a) 1 in 8 for heights up to 75 mm (3 in.) (b) 1 in 10 for heights up to 100 mm (4 in.) (c) 1 in 12 for heights greater than 100 mm (4 in.)</p>	<p>No change.</p>	<p>No change.</p>
<p>318.1803 (3) OPERATING DEVICES. Substitute the following wording for the requirements in 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.</p>	<p>Section 3.10.1 Operation. Operation of the lift from the landings and from the platform shall be controlled by control switches at all stations, and shall be by means of the continuous-pressure type. Controls shall be 1 200 mm (48 in.) maximum and 380 mm (15 in.) minimum above the platform floor or facility floor or ground level. Controls shall be located within forward or side reach of the passenger as defined in ANSI A117.1. Operating devices shall be designed so that both the “UP” and “DOWN” circuits cannot be operated at the same time.</p>	<p>Section 3.10.1 No change.</p>	<p>Section 3.10.1 No change.</p>
<p>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</p>	<p>Section 4.1.1 Lifts shall be installed so that means of egress is maintained as required by the authority having jurisdiction.</p>	<p>Section 4.1.1 No change.</p>	<p>Section 4.1.1 No change.</p>

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<p>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.</p> <p>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.</p>			
<p>318.1808 Hydraulic driving means. These are department rules in addition to the requirements in ASME A18.1 section 8.1:</p> <p>(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.</p> <p>(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):</p> <p>1. Be located between the pump and the</p>	<p>Section 8.1 Hydraulic Driving Means</p>	<p>Section 8.1.4.7 Revised</p>	<p>Section 8.1 No change</p>

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<p>check valve.</p> <p>2. Be of such a type and so installed in the bypass connection, that the valve cannot be shut off from the hydraulic system.</p> <p>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.</p> <p>4. Be sealed after being set to the correct pressure.</p> <p>(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.</p> <p>(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:</p> <p>(a) The pump stops and the down valves are closed.</p> <p>(b) The maintained pressure drops below the minimum operating pressure.</p> <p>(4) PRESSURE-GAUGE FITTINGS. A pressure-gauge fitting with a shutoff valve shall be provided at either of the following locations:</p> <p>(a) On the cylinder side of the check valve.</p> <p>(b) Immediately adjacent to the hydraulic control valve.</p> <p>(5) TYPE TESTS, CERTIFICATION, AND</p>			

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<p>MARKING PLATES FOR CONTROL VALVES.</p> <p>(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.</p> <p>(b) Hydraulic controls. Hydraulic control valves shall be plainly marked in a permanent manner with all of the following information:</p> <ol style="list-style-type: none"> 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. 			
<p>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.</p>	<p>Section 9.8 Tapered Rope Sockets</p>	<p>Section 9.8 No change.</p>	<p>Section 9.8 No change.</p>
<p>318.1810 Routine, periodic, and acceptance inspections and tests.</p> <p>(1) INSPECTORS. The requirements in ASME A18.1 sections 10.1.1 to 10.1.4 are not included as part of this chapter.</p> <p>Note: See s. SPS 318.1011 for additional requirements relating to inspections.</p>	<p>Section 10.1.1 Routine Inspections and Tests</p> <p>Section 10.1.2 Periodic Inspections and Tests</p> <p>Section 10.1.3 Acceptance Inspections and Tests</p>	<p>Section 10.1.4 Revised</p>	<p>Sections 10.1.1 to 10.1.4 No change.</p>

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	Section 10.1.4 Qualification of Inspectors		
<p>318.1810 (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:</p> <p>(a) The standard in effect on the contract date for the original installation.</p> <p>(b) For altered components, the standard in effect on the contract date for the alteration.</p>	<p>Section 10.1.5 Applicability of Inspection and Test Requirements. Inspections and tests required by section 10 are to determine that the equipment conforms with the following applicable standard requirements:</p> <ul style="list-style-type: none"> (a) the standard requirements at the time of installation (b) the standard requirements at the time of any alteration 	<p>Section 10.1.5 No change.</p>	<p>Section 10.1.5 No change.</p>
<p>318.1810 (3) INSTALLATION PLACED OUT OF SERVICE. Substitute the following wording for the requirements in ASME A18.1 section 10.1.6:</p> <p>(a) When an installation is placed out of service, all of the following requirements shall be met:</p> <ol style="list-style-type: none"> 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. 	<p>Section 10.1.6 Installation Placed Out of Service. When an installation is placed out of service (see para. 1.3, Definitions), inspections and tests may be discontinued. Before the installation is put back in service, it shall be subject to all of the required routine and periodic tests and inspections, including the 1-y, 3-y, and 5-y tests.</p>	<p>Section 10.1.6 No change.</p>	<p>Section 10.1.6 No change.</p>

SPS 318: Subchapter V	ASME A18.1 – 2011: Adopted/Amended Standards	ASME A18.1 – 2014: Changes	ASME A18.1 – 2017: Changes from 2014
<p>(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.</p> <p>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.</p>			
<p>318.1810 (4) ROUTINE INSPECTIONS AND TESTS. Substitute the following wording for the requirements in ASME A18.1 section 10.2.1: Routine inspections shall be performed at intervals of not longer than one year.</p>	<p>Section 10.2.1 Inspection and Test Periods. The routine inspections and tests of sections 2, 3, and 4 lifts shall be made at intervals not longer than 6 mo. Routine inspections and tests of sections 5, 6, and 7 lifts shall be made at intervals not longer than 1y.</p>	<p>Section 10.2.1 No change.</p>	<p>Section 10.2.1 No change.</p>
<p>318.1810 (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 inspector may order the test.</p>	<p>Section 10.2.2.1 Inside Platform Inspections</p> <p>Section 10.2.2.2 Machine Inspections</p> <p>Section 10.2.2.3 Inside Runway Inspections</p> <p>Section 10.2.2.4 Outside Runway Inspections</p>	<p>Sections 10.2.2.1 to 10.2.2.4 No change.</p>	<p>Section 10.2.2 No change.</p>
<p>318.1810 (6) PERIODIC INSPECTIONS AND TESTS. Substitute the following wording for the requirements in ASME A18.1 section 10.3: Periodic inspections shall be</p>	<p>Section 10.3 Periodic Inspections and Tests Inspection and Test Periods. In addition to the routine inspections and tests (para.</p>	<p>Section 10.3 No change.</p>	<p>Sections 10.3.3.1 and 10.3.3.2.1 Revised</p>

SPS 318: Subchapter V	ASME A18.1 – 2011: Adopted/Amended Standards	ASME A18.1 – 2014: Changes	ASME A18.1 – 2017: Changes from 2014
<p>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.</p>	<p>10.2), the applicable inspections and tests specified in para. 10.3.1 shall be performed in intervals not longer than 1 y, the applicable inspections and tests specified in para. 10.3.2 shall be made at intervals not longer than 3 y, and the applicable inspections and tests specified in para. 10.3.3 shall be made at intervals not longer than 5 y.</p>		<p>Sections 10.3 (Introduction paragraph), 10.3.1, 10.3.2, 10.3.3.2.2, 10.3.3.2.3, 10.3.3.3, 10.3.3.4, and 10.3.3.5 No change.</p>
<p>318.1810 (7) FIVE-YEAR INSPECTION AND TEST REQUIREMENTS. 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.</p>	<p>Section 10.3.3.1 Platform Safeties</p>	<p>Section 10.3.3.1 No change.</p>	<p>Section 10.3.3.1 Revised Section 10.3.3.2.1 Revised</p>
<p>318.1810 (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).</p>	<p>Section 10.5 Inspection and Test Requirements for Altered Installations Where any alteration is made, the entire installation shall comply with the applicable sections 2 through 7 including para. 10.4, Acceptance Inspections and Tests.</p>	<p>Section 10.5 No change.</p>	<p>Section 10.5 No change.</p>