State of Wisconsin \ Department of Commerce

RULES IN FINAL DRAFT FORM

Rule No.: Chapters Comm 5, 18 and 21

Relating to: **Technical requirements for conveyances and licensing of installers of residential conveyances**

Clearinghouse Rule No.: **08-030**

COM-10535 (N.03/97)

The Department of Commerce proposes an order to:

repeal ss. Comm 18.1702 (3), Comm 18.1705 (3), Comm 18.1802 (7) (d), Comm 18.1802 (8) (b), Comm 18.1803 (2) (b), Comm 18.1803 (4), Comm 18-Appendix;

renumber ss. Comm 18.1002 (1) (a) to (p), Comm 18.1002 (intro.), Comm 18.1004 (6), Comm 18.1004 (8) and (9), Table Comm 18.1013-1 lines 10. to 13., Table Comm 18.1013-4, lines 8. to 24., Comm 18.1702 (4) to (8), Comm 18.1702 (10) (b), Comm 18.1705 (4) to (6), Comm 18.1802 (8) (c) and (d), Comm 18.1803 (2) (a) 1. and 2.;

renumber and amend s. Comm 18.1702 (5) Note;

amend ss. Comm 5.003 (10g) (a), Comm 5.991 (1) (c), Comm 5.998 (1) (b), Comm 5.999 (1) (b), Comm 18.1001, Comm 18.1002 (1) (a), Comm 18.1003 (1) (a) and (b) 2., Comm 18.1004 (5) Note, Comm 18.1005, Comm 18.1007 (1) (b), Comm 18.1009 (1), Comm 18.1013 (1), (2) (a) (intro.) and (2) (b) (intro.), and 1. to 3. and 5. and 6., Comm 18.1013 (3) (a) 1. and 2., Comm 18.1014 (1), (2) and (4) (b), Comm 18.1015 (1) (a) and (b) and (titles), (2) (c), (3) and (4) (a) and (b), Comm 18.1701 Note 2, Comm 18.1702 (2) (c) (intro.) excluding the Note, Comm 18.1702 (5) Note, Comm 18.1705 (1), Comm 18.1707 (3) Note, Comm 18.1709 and (title), Comm 18.1800 and (title), Comm 18.1802 (7) (a), Comm 18.1803 (1) (b) (intro.), Comm 18.1803 (3) (b), Comm 18.1804 (2), Comm 18.1808 (1);

repeal and recreate ss. Comm 18.1008, Comm 18.1015 (4) (c) including the Note, Comm 18.1705 (2), Comm 18.1708, Comm 18.1801 (3), Comm 18.1802 (1) and (2), Comm 18.1802 (8) (a) and Notes, Comm 18.1810 (2); and

create ss. Comm 18.1002 (1) (a) 17., Comm 18.1002 (1) (b), Comm 18.1004 (6) and (8), Comm 18.1004 (10), Comm 18.1007 (2) (a) Note, Table Comm 18.1013-1, line 10., Table Comm 18.1013-4, line 8., Comm 18.1702 (8), Comm 18.1702 (10) (b), Comm 18.1820 and Comm 21.115, relating to the technical requirements for conveyances and affecting small businesses.

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4. Explanation of Agency Authority.

Under the authority of ss. 101.17, 101.63 and 101.982, Stats., the Department has the authority to promulgate rules for the safe installation and operation of conveyances (elevators, escalators and lift devices). Under the authority of ss. 101.17, 101.983 and 101.988, Stats., the Department has the authority to promulgate rules for required permits, inspection and enforcement of the technical standards. Under the authority of ss. 101.984 and 101.985, Stats., the Department has the authority to develop licensing and permitting requirements related to the installation of conveyances.

5. Summary of Proposed Rules.

The primary revisions to chapter Comm 18 are to adopt the most current editions of the ASME A17.1, Safety Code for Elevators and Escalators and the ASME A18.1, Safety Standard for Platform Lifts and Stairway Chairlifts relating to the regulation of conveyances. The rules under this chapter are also being updated to require elevators and dumbwaiters serving dwelling units to comply with the technical requirements established in chapter Comm 18, as authorized by recent legislation. The proposed rules contain a number of modifications to the technical requirements within these standards, reorganization of current requirements and editorial changes. The following is a summary of the major rule changes to these chapters:

(a) The definition of "conveyance" is included under chapters Comm 5 and 18 and the definition excludes platform lifts and stairway chairlifts from regulations when they serve private dwelling units. A definition of "dwelling unit" also has been included under Comm 18. [See Comm 5.003 (10g) and Comm 18.1004 (6) and (10)]

(b) The licensing requirements for conveyance contractors and installers in chapter Comm 5 are being updated to require such licensure for the installation of elevators and dumbwaiters serving dwelling units. [See Comm 5.003 (10g), 5.991, 5.998 and 5.999]

(c) The rules have been modified to differentiate between conveyances installed in public buildings and places of employment and to identify those specific conveyances that will be included for code application when they are installed in dwelling units. [See Comm 18.1002 (1) (b)]

(d) Chapter Comm 18 has been modified in numerous places to use the term "conveyances" in place of the terms "elevators, escalators and lift devices." [See Comm 18.1008, 18.1009, 18.1013, 18.1014 and 18.1015]

(e) A requirement will be created to indicate that ASME A17.1 section 5.3 applies to elevators serving dwelling units, except for those private residence elevators installed in public buildings and places of employment prior to July 1, 2002. The requirements for private residence inclined elevators as specified under ASME A17.1 section 5.4 will now apply to dwelling units and the current requirement indicating that ASME A17.1 section 5.4 requirements do not apply will be repealed. [See Comm 18.1705 (2) and 18.1705 (3)]

(f) The plan review requirements will be the same for elevators or dumbwaiters installed in public buildings, places of employment or serving dwelling units, except plans submitted for elevators or dumbwaiters serving dwelling units will not be required to contain the stamp of the supervising building designer. [See Comm 18.1013 (2) (b) 6.]

(g) Periodic inspection intervals will be the same for elevators or dumbwaiters installed in public buildings, places of employment or serving dwelling units, which will require an annual routine inspection and an annual permit to operate. [See Comm 18.1014 and 18.1708]

(h) The wording under ASME A17.1 section 2.27.3 relating to Phase I emergency recall operation has been clarified to require only those elevators serving a specific lobby to be recalled when the fire alarm initiating device serving that lobby is activated. [See Comm 18.1702 (10)]

(i) The 2007 edition of the ASME A17.1 Safety Code for Elevators and Escalators and the 2005 edition of the ASME 18.1 Safety Standard for Platform Lifts and Stairway Chairlifts will be adopted by reference. [See Comm 18.1005]

(j) The periodic inspection and tests of hydraulic elevators, specifically the relief valve setting and system pressure test and the hydraulic cylinders and pressure piping tests will apply to hydraulic elevators installed prior to January 1, 1994 and that have below ground cylinders. [See Comm 18.1708 (3) and (11) (a)]

(k) In accordance with the 2005 Wisconsin Act 456, routine inspections and tests of stairway chairlifts installed in public buildings, places of employment will be made at intervals not longer than one year. [See Comm 18.1810 (2)]

(l) A number of Wisconsin modifications relating to the height of grab rails in platform lifts have been eliminated since the ASME A18.1 Standard now covers this requirement. [See Comm 18.1802 (1) (c) and (e) 2.]

(m) Create rules to cover special platform lifts for use in courtrooms. [See Comm 18.1801 and 18.1820]

(n) Create a requirement under the Uniform Dwelling Code (UDC) that will reference chapter Comm 18 when an elevator or dumbwaiter is installed that will serve a dwelling unit covered under the UDC. [See Comm 21.115]

6. Summary of, and Comparison with, Existing or Proposed Federal Regulations.

There are no existing or proposed federal regulations that address or impact the activities to be regulated by this rule.

7. Comparison with Rules in Adjacent States.

An Internet-based search found that all of the adjacent states adopt by reference certain editions of the ASME A17.1, Safety Code for Elevators and Escalators and the ASME A18.1, Safety Standard for Platform Lifts and Stairway Chairlifts. The adjacent states also create amendments to the adopted standard similar to Wisconsin's administrative rules relating to elevators, escalators and lift devices.

The following are the adjacent states and the edition of the ASME coded they adopt and enforce:

(a) The Illinois Office of the State Fire Marshal, Division of Elevator Safety is responsible for implementing the Elevator Safety and Regulation Acts. The 2004 edition of the ASME A17.1, Safety Code for Elevators and Escalators, the 2005 A17.1a, Addenda and the 2005 edition of the ASME A18.1, Safety Standard for Platform Lifts and Stairway Chairlifts are both adopted by reference.

(b) The Iowa Department of Workforce Development, Division of Labor Services, Elevator and Escalators oversees that all elevators, escalators, dumbwaiters and related equipment must comply with all rules and statutes. The 2004 edition of the ASME A17.1, Safety Code for Elevators and Escalators, the 2003 edition of the ASME A18.1, Safety Standard for Platform Lifts and Stairway Chairlifts are both adopted by reference.

(c) The Minnesota Department of Labor and Industry is responsible for enforcing minimum requirements relating to building codes, including elevators and related devices. The requirements include the design, construction, installation, alteration, repair, removal and operation and maintenance of passenger elevators. The 2004 edition of the ASME A17.1, Safety Code for Elevators and Escalators and the 2005 edition of the ASME A18.1, Safety Standard for Platform Lifts and Stairway Chairlifts are both adopted by reference.

(d) The Michigan Department of Labor and Economic Growth is responsible for issuing permits, the examination and licensing of elevator journeypersons and contractors, inspecting of elevators, escalators and dumbwaiters, complaint investigations and reporting elevator accidents. The state rules establish, for the protection of the general public, minimum safety requirements for inspection, construction, installation, alteration, maintenance, repair and operation of elevators. The 2004 edition of the ASME A17.1, Safety Code for Elevators and Escalators and the 2003 edition of the ASME A18.1, Safety Standard for Platform Lifts and Stairway Chairlifts are both adopted by reference.

8. Summary of Factual Data and Analytical Methodologies.

The primary methodology for updating the Wisconsin Administrative Code, chapter Comm 18 relating to conveyances has been a review and assessment of the latest editions of the national technical standards for the design and construction of conveyances, which serves as the basis for chapter Comm 18. The review and enforcement requirements for elevators and dumbwaiters serving private dwelling units were also included under chapter Comm 18 to be consistent with recent legislation. Staff prepared a comprehensive comparison of the changes in the latest editions of the ASME standards to the editions currently adopted under Comm 18. The Department's review and assessment process involved the participation of the Conveyance Safety Code Council. The members of that Council represent many stakeholders involved in the conveyance industry, including manufacturers, inspectors, building contractors and the general public as users of the conveyances. A listing of the Conveyance Safety Code Council is provided at the end of this analysis.

The Department believes that the national model codes reflect current societal values with respect to protecting public health, safety and welfare in the design, construction, use, operation and maintenance of conveyances in commercial and residential buildings. The ASME standard setting committees use a process open to all parties in the development of their codes. More information on the development of these standards may be obtained from the ASME web site at: www.asme.org

9. Analysis and Supporting Documents Used to Determine Effect on Small Business or in Preparation of Economic Impact Report.

The Department used the Conveyance Safety Code Council to gather and analyze information on potential impacts in complying with both the technical and administrative requirements of the codes. As authorized in recent legislation, elevators and dumbwaiters that serve dwelling units will be required to comply with the inspection and permit requirements similar to those for elevators and dumbwaiters installed in commercial buildings. Small businesses that install elevators and dumbwaiters in commercial facilities will be familiar with the inspection and permit processes that now will be required for installations serving dwelling units.

In addition to posting rule development and council activities on the department's web site, the department offers an Email subscription service, which is available to all small businesses. This service provides Email notification of council meetings, meeting, agendas and council meeting progress reports so small businesses can follow proposed code changes.

Adopting the most current edition of the 2007 edition of the ASME A17.1 and 2005 edition of the ASME A18.1 national standards will not impose a significant impact on small businesses selling conveyances or providing services for conveyances.

It is anticipated this requirement will not have a significant impact on small businesses installing elevators and dumbwaiters.

10. Effect on Small Business

The Department believes the rules will not increase the effect on small businesses from what the current rules impose on them. An economic impact report has not been required pursuant to s. 227.137, Stats.

11. Agency Contact

Larry Swaziek, Program Manager, Larry.swaziek@wisconsin.gov, (608) 267-7701.

12. Public Hearing Comments.

A public hearing has been scheduled for Thursday, May 15, 2008. The hearing record on this proposed rulemaking will remain open until May 29, 2008, to permit submittal of written comments from persons who are unable to attend the hearing or who wish to supplement testimony offered at the hearing. Written comments should be submitted to Larry Swaziek, at the Department of Commerce, P.O. Box 2689, Madison, WI 53701-2689, or Email at lswaziek@commerce.state.wi.us.

Council Members and Representation

Conveyance Safety Code Council

Jesse Kaysen	Public Member
Calvin King	Building Inspection
Kevin Kraemer	Building Contractors
Kelvin Nord	Labor
Paul Rosenberg	Architectural Design or Elevator Consulting Profession
George Semenak	Building Owners/Managers
Andrew Zielke	Elevator Manufacturers
Larry Swaziek	Secretary of Commerce Designee
Dan Meneguin	Employee of Commerce/Inspection

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SECTION 1. As created by CR 07-089, Comm 5.003 (10g) (a) is amended to read:

Comm 5.003 (10g) (a) ~~An elevator, a dumbwaiter, a~~ A platform lift, stairway chair lift and any other similar device serving an individual residential dwelling unit.

SECTION 2. As created by CR 07-089, Comm 5.991 (1) (c) is amended to read:

Comm 5.991 (1) (c) The activities under par. (a) (intro.) that may be undertaken by a person who holds a license or registration as a licensed lift mechanic, a registered lift apprentice, or a registered lift helper shall be limited to the erection, construction, alteration, replacement, maintenance, repair, removal or dismantling of conveyances covered under ASME A18.1 and ASME A17.1 ~~section 5.2~~ sections 5.2, 5.3, 5.4, 7.1, 7.2, 7.3 and 7.8.

SECTION 3. As created by CR 07-089, Comm 5.998 (1) (b) is amended to read:

Comm 5.998 (1) (b) The activities of an individual, who holds a registration issued by the department as a registered lift apprentice to maintain and repair conveyances under the scope of ASME A18.1 and ASME A17.1 ~~section 5.2~~ sections 5.2, 5.3, 5.4, 7.1, 7.2, 7.3 and 7.8, shall be performed under the general supervision of a person who is a licensed lift mechanic, a licensed elevator mechanic, or a licensed elevator mechanic-restricted.

Note: The department of workforce development, bureau of apprenticeship standards may have additional supervision standards for apprentices for the purpose of training and education.

SECTION 4. As created by CR 07-089, Comm 5.999 (1) (b) is amended to read:

Comm 5.999 (1) (b) The activities of an individual, who holds a registration issued by the department as a registered lift helper to maintain and repair conveyances under the scope of ASME A18.1 and ASME A17.1 ~~section 5.2~~ sections 5.2, 5.3, 5.4, 7.1, 7.2, 7.3, and 7.8, shall be performed under the general supervision of a person who is licensed lift mechanic, a licensed elevator mechanic~~,~~ or a licensed elevator mechanic-restricted.

SECTION 5. Comm 18.1001 is amended to read:

Comm 18.1001 Purpose. The purpose of this chapter is to ~~protect the health, safety and welfare of the public and employees by establishing~~ establish minimum safety standards for the design, construction, installation, operation, inspection, testing, maintenance, alteration and repair of ~~elevators, escalators and lift devices installed in or at a public building and a place of employment~~ conveyances.

SECTION 6. Comm 18.1002 (1) (a) to (p) are renumbered Comm 18.1002 (1) (a) 1. to 16.

SECTION 7. Comm 18.1002 (1) (intro.) is renumbered Comm 18.1002 (1) (a).

SECTION 8. Comm 18.1002 (1) (a) is amended to read:

Comm 18.1002 (1) (a) *Public buildings and places of employment.* This chapter applies to any of the following ~~equipment~~ conveyances ~~installed in or at~~ serving a public building ~~and~~ or a place of employment:

SECTION 9. Comm 18.1002 (1) (a) 17. is created to read:

Comm 18.1002 (1) (a) 17. Courtroom lift as specified in s. Comm 18.1820.

SECTION 10. Comm 18.1002 (1) (b) is created to read:

Comm 18.1002 (1) (b) *Dwelling units*. This chapter applies to any of the following conveyances installed to serve a dwelling unit on or after January 1, 2009:

1. Passenger elevators.
2. Freight elevators.
3. Limited-use/limited-application elevators.
4. Inclined elevators.
5. Private residence elevators.
6. Private residence inclined elevators.
7. Power dumbwaiters.

SECTION 11. Comm 18.1003 (1) (a) and (b) 2. are amended to read:

Comm 18.1003 (1) (a) *Code application.* Except as specified in par. (b), all new and existing ~~installations~~ conveyances and alterations of ~~equipment~~ existing conveyances covered by this chapter shall conform to the provisions in this chapter in effect on the contract date.

(b) 2. Oil return pumps for hydraulic elevators ~~contracted prior to~~ ~~the effective date of this code~~ may be removed and replaced as allowed by ASME A17.1 section 3.18.3.7. Written permission shall be obtained from the owner for the removal of the oil return pump and it shall be recorded in the maintenance ~~log~~ record as specified in s. Comm ~~18.1008 (3)~~ 18.1007 (1) (b).

SECTION 12. Comm 18.1004 (5) Note is amended to read:

Comm 18.1004 (5) Note: The Wisconsin Commercial Building Code, chs. Comm ~~61 to 65~~ 60 to 66, adopts by reference the *International Building Code*® (IBC), the *International Energy Conservation Code*® (IECC), the *International Mechanical Code*® (IMC), ~~and~~ the *International Fuel Gas Code*® (IFGC) and the *International Existing Building Code*® (IEBC). Comm 14, Fire Prevention Code, may have rules that may affect the maintenance and use of an existing building.

SECTION 13. As affected by CR-07-089, Comm 18.1004 (6) is renumbered Comm 18.1004 (7).

SECTION 14. As affected by CR-07-089, Comm 18.1004 (8) and (9) are renumbered Comm 18.1004 (9) and (10).

SECTION 15. Comm 18.1004 (6) and (8) are created to read:

Comm 18.1004 (6) "Conveyance" has the meaning as given in s. 101.981 (1) (c), Stats, except it does not include any of the following:

(a) A platform lift, stairway chair lift and any other similar device serving an individual dwelling unit.

(b) A personnel hoist.

(c) A material hoist.

Note: Section 101.981 (1) (c), Stats., reads: "Conveyance" means an elevator, an escalator, a dumbwaiter, a belt manlift, a moving walkway, a platform lift, a personnel hoist, a material hoist and a stairway chair lift, and any other similar device, such as an automated people mover, used to elevate or move people or things, as provided in the rules of the department. "Conveyance" does not include a grain elevator a ski lift or towing device, or an amusement or thrill ride.

(8) "Dwelling unit" has the meaning given in s. 101.61 (1), Stats.

Note: Section 101.61 (1), Stats., reads: "Dwelling unit" means a structure or that part of a structure which is used or intended to be used as a home, residence or sleeping place by one person or by 2 or more persons maintaining a common household, to the exclusion of all others.

SECTION 16. Comm 18.1005 is amended to read:

Comm 18.1005 Adoption of standards. (1) ASME A17.1 SAFETY CODE. The Safety Code for Elevators and Escalators, ASME A17.1-~~2000~~ 2007, subject to the modifications specified in subch. V is incorporated by reference into this chapter. If a requirement in the ASME A17.1 contains cross-references to another ASME A17.1 requirement ~~that has been~~ modified by this chapter, that modification shall apply to the cross-reference also, unless specifically stated otherwise.

(2) ASME ~~A18.1a~~ A18.1 SAFETY STANDARD. The Safety Standard for Platform Lifts and Stairway Chairlifts, ASME ~~A18.1a-2001~~ A18.1-2005, subject to the modifications specified in subch. VI is hereby incorporated by reference into this code. If a requirement in the ASME ~~A18.1a~~ A18.1 contains a cross-reference to another ASME ~~A18.1a~~ A18.1 requirement ~~that has been~~ modified by this chapter, that modification shall apply to the cross-reference also, unless specifically stated otherwise.

Note: A copy of the ASME A17.1 and ASME ~~A18.1a~~ A18.1 standards is on file in the offices of the department~~, the secretary of state, and the revisor of statutes~~ and the Legislative Reference Bureau. Copies of these standards may be purchased from the ASME, 22 Law Drive, Box 2900, Fairfield, ~~N.J.~~NJ 07007-2900, or telephone (800) 843-2763.

SECTION 17. As affected by CR 07-089, Comm 18.1007 (1) (b) is amended to read:

Comm 18.1007 (1) (b) *Maintenance record.* A maintenance record as specified in ASME A17.1 section ~~8.6.1.4~~ 8.6.1.4.1 and s. Comm 18.1708 (2) (a) shall be made available to the inspector upon request.

SECTION 18. As affected by CR 07-089, Comm 18.1007 (2) (a) Note is created to read:

Note: See the licensing requirements for elevator contractors as specified under ch. Comm 5.

SECTION 19. As affected by CR 07-089, Comm 18.1008 is repealed and recreated to read:

Comm 18.1008 Accident reporting. If a conveyance malfunctions resulting in bodily injury requiring more than first aid treatment, the owner or owner's agent shall do all of the following:

(1) Remove the conveyance from service immediately.

(2) Notify the department during normal business hours or notify the state division of emergency management during non-business hours immediately after the accident.

Note: The department may be contacted at phone: (608) 266-7548 during normal business hours. The State Division of Emergency Management can be contacted at (800) 943-0003 during non-business hours. A copy of the elevator/escalator accident report form SBD-10782 is available on the Safety and Buildings' web site at www.commerce.wi.gov/SB.

(3) Submit an accident report to the department within 48 hours.

Note: Accident reports are to be submitted to the Department of Commerce, Safety and Buildings Division, Integrated Services Bureau, Elevator Safety Program, P. O. Box 7302, Madison, WI 53707-7302 or fax at (608) 283-7411.

(4) Prohibit repairs, adjustments or removal of parts from the premises until authorized by the department.

(5) Verify the department's investigation and inspection has been completed. The conveyance shall not be returned to service until authorized by the department.

SECTION 20. As affected by CR 07-089, Comm 18.1009 (1) is amended to read:

Comm 18.1009 (1) APPEAL OF DEPARTMENT ORDER. Pursuant to s. 101.02 (6) (e), Stats., any person who owns or operates ~~an elevator, escalator or lift device~~ a conveyance that is affected by an order of the department may petition the department for a hearing on the reasonableness of any order.

SECTION 21. As affected by CR 07-089, Comm 18.1013 (1), (2) (a) (intro.), (2) (b) (intro.) and 1. to 3., 5. and 6. are amended to read:

Comm 18.1013 (1) GENERAL REQUIREMENTS. An elevator contractor shall submit plans and permit applications for the installation of any new or altered ~~elevator, escalator or lift device~~ conveyance to the department or agent municipality for approval. No work shall commence before the plans and permit application ~~for elevators, escalators or lift devices~~ are approved by the department or agent municipality. The approval letter issued by the department or agent municipality shall be posted prior to construction at or near the equipment space at the construction site and shall remain posted until the final inspection determines compliance with the code. The approval letter shall be considered the permit specified under s. 101.983 (1) (a), Stats.

(2) (a) *Number of plans.* An elevator contractor shall submit all of the following to the department or agent municipality for plan review and approval for the proposed installation of any ~~new elevator, escalator or lift device~~ conveyance:

(b) *Information on equipment plans or specifications.* Information on equipment plans or specifications shall conform to the applicable sections in ASME A17.1 and ASME ~~A18.1a~~ A18.1 and include all of the following:

1. A plan of the car, hoistway and machine room, control room or control space showing all clearances, including all inside car or platform dimensions specified in this chapter and the building code.

2. A cross-section drawing through the hoistway, ~~machine room, pit and car~~ pit, car and machine room, control room or control space that shows all applicable dimensions. Landings shall be shown, indicating types of hoistway doors or gates.

3. A complete dimensioned layout of the machine room, control room or control space showing working clearances around machine, controller and disconnecting means.

5. Sufficient data and information to determine if the ~~elevator, lift device~~ conveyance and machine room, control room or control space comply with the requirements of this chapter.

6. ~~At~~ For conveyances serving public buildings and places of employment, at least one copy of the equipment plans and specifications containing the original shop drawing stamp of the supervising building designer.

SECTION 22. As affected by CR 07-089, Table Comm 18.1013-1, lines 10. to 13. are renumbered Table Comm 18.103-1, lines 11. to 14.

SECTION 23. As affected by CR 07-089, Table Comm 18.1013-1, line 10. is created to read:

Partial Table
Comm 18.1013-1
Alterations to Elevators
Submittal of Plans and Application Required

	Type of Alteration	**General Requirements**	
		Electric Elevators	**Hydraulic Elevators**
10.	Installation of a device to prevent unintended movement or ascending car overspeed	ASME A17.1 – 8.7.2.20	ASME A17.1 – 8.7.3.23.7

SECTION 24. As affected by CR-07-089, Table Comm 18.1013-4, lines 8. to 24. are renumbered Table Comm 18.1013-4, lines 9. to 25.

SECTION 25. As affected by CR-07-089, Table 18.1013-4, line 8. is created to read:

Partial Table
Comm 18.1013-4
Repairs, Replacements and Alterations to Elevators
Submittal of Application Required

	Type of Alteration	**General Requirements**	
		Electric Elevators	**Hydraulic Elevators**
8.	Installation of fire sprinkler in machine or control room or space or at top of hoistway	ASME A17.1 – 8.7.2.8	ASME A17.1 – 8.7.3.8

SECTION 26. As affected by CR 07-089, Comm 18.1013 (3) (a) 1. and 2. are amended to read:

Comm 18.1013 (3) (a) 1. A department permit-application form SBD-22 and at least 3 copies of equipment plans and specifications complying with sub. (2) shall be submitted for examination and approval to the department or agent municipality for the proposed alteration of ~~elevators, escalators or lift devices~~ conveyances as specified in Tables Comm 18.1013-1 to 18.1013-3.

2. Evidence of building plan approval, where applicable, shall be included with the ~~elevator, escalator or lift device~~ conveyance plan submittal.

SECTION 27. As affected by CR 07-089, Comm 18.1014 (1), (2) and (4) (b) are amended to read:

Comm 18.1014 (1) ISSUANCE. No owner may use or operate ~~an elevator, escalator or lift device~~ a conveyance until an acceptance inspection, periodic inspection, or test of equipment covered by this chapter is performed and the installation is found to be in compliance with the provisions of this chapter. The department or agent municipality shall issue a permit to operate within 10 business days from receipt of an inspection report showing compliance with the provisions of this chapter.

(2) DISPLAY. The owner of a ~~building in which an elevator, escalator or lift device is located~~ conveyance shall display the permit to operate ~~issued under this section~~ applicable to the ~~elevator, escalator or lift device~~ conveyance on or in the ~~elevator, escalator or lift device~~ conveyance, or, if applicable, in the machinery room or space.

(4) (b) Upon performing the inspection, the department shall give the owner notice of ~~relevant elevator, escalator or lift device safety requirements~~ the conveyance safety deficiencies and shall instruct the owner as to the procedure for obtaining periodic inspections and renewing the permit under which the lift or equipment is operated.

SECTION 28. As affected by CR 07-089, Comm 18.1015 (1) (a) and (b) (titles), (2) (c), (3) and (4) (a) and (b) are amended to read:

Comm 18.1015 (1) GENERAL. (a) *Licensing.* All inspections of ~~elevators, escalators and lift devices~~ conveyances required by this chapter shall be conducted by persons who are licensed in accordance with s. Comm 5.64.

(b) *Inspection report.* Licensed elevator inspectors shall prepare an inspection report that identifies items of noncompliance. Items listed on the inspection report as being out of compliance with this chapter shall be corrected on or before the compliance date stated on the report.

(2) (c) *Agent municipalities.* Licensed elevator inspectors providing inspection services for an agent municipality shall comply with ~~s. 18.1016~~ subch. IV.

(3) REGISTRATION NUMBERS. All new ~~elevators, escalators or lift devices~~ conveyances as specified in s. Comm 18.1002 (1), shall be assigned a registration number by the department or agent municipality. The registration number shall be located in an area that is readily visible to inspectors.

(4) (a) *Acceptance inspections and tests.* The department or agent municipality shall conduct acceptance inspections and tests as specified in ASME A17.1 section 8.10, and ASME ~~A18.1a~~ A18.1 section 10.1.3.

(b) *Periodic or routine inspections.* ~~The department, agent municipality or a~~ A licensed elevator inspector shall conduct periodic or routine inspections as specified in ASME A17.1 section 8.11, and ASME ~~A18.1a~~ A18.1 sections 10.2 and 10.3.

SECTION 29. As affected by CR 07-089, Comm 18.1015 (4) (c), including the Note, is repealed and recreated to read:

Comm 18.1015 (4) (c) *Periodic tests.* 1. Periodic tests as specified in ASME A17.1 section 8.11 and ASME A18.1 section 10.3 shall be conducted by persons licensed or registered as specified in s. Comm 5.991.

2. Reports containing complete information shall be submitted to the department or agent municipality for any of the following tests:

a. Category 1 for tests on hydraulic elevators shall use department form SBD-3.

b. Category 1 for tests on escalators shall use department form SBD-6.

c. Category 5 for tests on safeties or governors shall use department form SBD-2E. All other category 5 tests shall use department form SBD-10872/Cat5-E.

Note: Copies of the forms SBD-2E, SBD-3, SBD-6 and SBD-10872/Cat5-E are available at no charge from the Safety and Buildings Division, P.O. Box 2509, Madison, Wisconsin 53707, or telephone (608) 267-9706 , or at the Safety and Buildings' we site at www.commerce.wi.gov/SB.

SECTION 30. Comm 18.1701 Note 2 is amended to read:

Comm 18.1701 Note: See ASME ~~A18.1a~~ A18.1 and subch. VI for requirements relating to vertical and inclined platform lifts, and stairway chairlifts in public buildings and places of employment.

SECTION 31. Comm 18.1702 (2) (c) (intro.), excluding the Note is amended to read:

Comm 18.1702 (2)(c) *Temperature and humidity.* This is a department informational note to be used under ASME A17.1 section ~~2.7.5.2~~ 2.7.9.2.

SECTION 32. Comm 18.1702 (3) is repealed.

SECTION 33. Comm 18.1702 (4) to (8) are renumbered Comm 18.1702 (3) to (7).

SECTION 34. Comm 18.1702 (5) Note as renumbered is amended to read:

Comm 18.1702 (5) Note: See ~~s. comm. 62.3002~~ ch. Comm 62 of the building code for stretcher-sized elevator requirements.

SECTION 35. Comm 18.1702 (8) is created to read:

Comm 18.1702 (8) SUSPENSION ROPES AND THEIR CONNECTIONS. These are department rules in addition to the requirements in ASME A17.1 section 2.20:

(a) *Wear and fatigue monitoring.* All electric traction elevators using suspension members other than 9.5 mm (0.375 in.) or larger elevator wire ropes shall be provided with a permanently affixed wear and fatigue monitoring system. A self test or automatic diagnostic indication shall be provided as part of the monitoring system. If the monitoring system becomes inoperative during automatic operation, the elevator shall stop at the next available landing. The elevator shall not be permitted to resume automatic operation.

(b) *Protection against suspension loss.* A device to prevent suspension loss shall be based upon the type of suspension members and application. All electric traction elevators using suspension members other than 9.5 mm (0.375 in.) or larger elevator wire ropes shall be provided with a device to prevent suspension loss due to relative motion between suspension members and traction sheave in accordance with all of the following:

1. Instructions to verify the operation of the device to prevent suspension loss shall be kept in the elevator machine room, machine space, control room or control space.

2. The device to prevent suspension loss shall, when actuated, cause the removal of power from the driving machine motor and brake.

3. Actuation of the device to prevent suspension loss shall require a manual reset. Prior to the elevator being returned to service, the suspension members shall be examined and replaced, if necessary, according to the replacement criteria of the manufacturer. The traction sheave shall also be examined and repaired or replace, if necessary.

4. Where the device to prevent suspension loss is required to be made inoperative or ineffective to perform inspection, testing, maintenance or repair, the instructions shall be kept in the elevator machine room, machine space, control room or control space.

SECTION 36. Comm 18.1702 (10) (b) is renumbered Comm 18.1702 (10) (c).

SECTION 37. Comm 18.1702 (10) (b) is created to read:

Comm 18.1702 (10) (b) *Phase I emergency recall operation by fire alarm initiating device.* 1. Substitute the following wording for the requirements in ASME A17.1 section 2.27.3.2.1 (a): At each elevator lobby served by the elevator.

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

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

4. Substitute the following wording for the requirements in ASME A17.1 section 2.27.4.2 (first paragraph): Fire alarm initiating devices shall be installed at each elevator lobby served by the elevator, and in the associated machine room, control space, or control room, and elevator hoistway, in compliance with the requirements in NFPA 72.

SECTION 38. Comm 18.1705 (1) is amended to read:

Comm 18.1705 (1) LIMITED-USE/LIMITED-APPLICATION ELEVATORS. This is a department rule in addition to the requirements in ASME A17.1 section 5.2.1.8: Where sprinklers are installed in ~~connection with~~ an elevator machine room or hoistway, the elevator, regardless of the vertical travel distance, shall comply with ASME A17.1 sections 2.27.3.1 and 2.27.3.2 for emergency recall for electric elevators, or ASME A17.1 sections 3.27.1, 3.27.2 and 3.27.3~~,~~ for emergency recall for hydraulic elevators shall comply with ASME A17.1 section 2.27.8 and s. Comm 18.1702 (10) ~~(b)~~ (c) for switch keys.

SECTION 39. Comm 18.1705 (2) is repealed and recreated to read:

Comm 18.1705 (2) PRIVATE RESIDENCE ELEVATORS. (a) Except as specified in par. (b), the requirements in ASME A17.1 section 5.3 shall apply to private residence elevators serving dwelling units.

(b) Private residence elevators installed in public buildings or places of employment prior to July 1, 2002 shall comply with ASME A17.1 section 5.3 as applicable to any repair, replacement or alteration of the installed equipment.

(c) This is a department rule in addition to the requirements of ASME A17.1 section 5.3: Machinery spaces, machine rooms, control spaces and control rooms where provided shall conform to ASME A17.1 section 5.2.7.1.

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

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

2. A car enclosure shall be permitted to have a top that is non-load bearing provided the top of the car enclosure is marked to indicate it cannot sustain a load.

SECTION 40. Comm 18.1705 (3) is repealed.

SECTION 41. Comm 18.1705 (4) to (6) are renumbered Comm 18.1705 (3) to (5).

SECTION 42. Comm 18.1707 (3) Note is amended to read:

Comm 18.1707 (3) Note: See ICC/ANSI A117.1 section ~~404.2.11~~ 404.2.10 for vision panels in doors.

SECTION 43. Comm 18.1708 is repealed and recreated to read:

Comm 18.1708 (1) SECURITY. This is a department rule in addition to the requirements in ASME A17.1 section 8.1: Key access as specified in this section will not be verified by the department.

(2) MAINTENANCE, REPAIR AND REPLACEMENT. (a) *Application of ASME A17.1 section 8.6.* Substitute the following wording for the requirements in ASME A17.1 section 8.6 (intro. par.): ASME A17.1 sections 8.6.1 to 8.6.11 and ASME A17.1 sections 8.6.12.1, 8.6.12.3.1.3 and 8.6.12.4.1.2 apply to maintenance, repairs and replacements.

(b) *General requirements.* 1. Substitute the following wording for the requirements in ASME A17.1 section 8.6.1.4.2: The owner or owner's agent shall retain the maintenance records as specified in ASME A17.1 section 8.6.1.4.1 and keep these records at the building site. Any electronic format records of maintenance performed on conveyances shall be transferred to the paper copy of the maintenance record within 3 months of the initial recording of maintenance. Maintenance records are the property of the owner and shall be readily available upon request from elevator personnel.

2. Substitute the following wording for the requirements in ASME A17.1 section 8.6.1.6.5: Class "ABC" fire extinguishers shall be provided in, or adjacent to, elevator electrical machine rooms, control rooms and control spaces outside the hoistway intended for full bodily entry, and walk-in machinery and control rooms for escalators and moving walks; and they shall be located convenient to the access door.

(c) *Maintenance of hydraulic elevators.* 1. This is a department rule in addition to the requirements in ASME A17.1 section 8.6.5.7: An owner shall maintain a written record of oil level and usage on a quarterly basis.

2. Substitute the following wording for the requirements in ASME A17.1 section 8.6.5.8: Elevators installed prior to January 1, 1994 and that have below ground hydraulic cylinders shall be tested in accordance with ASME A17.1 sections 8.11.3.2.1 and 8.11.3.2.2. If these annual tests indicate the cylinder or piping below ground is leaking oil, the hydraulic cylinder or piping shall be replaced.

(d) *Special provisions.* This is a department rule in addition to the requirements in ASME A17.1 sections 8.6.11.3 to 8.6.11.8: Written procedures as specified in these sections will not be evaluated by the department.

(3) ALTERATIONS. (a) *Alterations to electric elevators.* 1. This is a department rule in addition to the requirements in ASME A17.1 section 8.7.2.8: Where sprinklers are installed in connection with an elevator machine room or hoistway, the elevator, regardless of the vertical travel distance, shall comply with ASME A17.1 sections 2.27.3 to 2.27.8 for emergency recall and emergency in-car operation.

2. This is a department rule in addition to the requirements in ASME A17.1 section 8.7.2.17.1: When an alteration involves an increase in rise and the altered elevator meets ASME A17.1 section 2.27.3 (a), the applicable requirements of ASME A17.1 section 2.27.3.1 to 2.27.8 shall be provided.

3. This is a department rule in addition to the requirements in ASME A17.1 section 8.7.2.28: When emergency recall and emergency in-car operations are installed, the operations shall conform to the requirements of ASME A17.1 section 2.27.3.

4. This is a department rule in addition to the requirements in ASME A17.1 section 8.7.2.22.1: When an alteration involves an increase in rise and the altered elevator meets ASME A17.1 section 2.27.3 (a), the applicable requirements of ASME A17.1 section 2.27.3.1 to 2.27.8 shall be provided.

(b) *Alterations to hydraulic elevators.* 1. This is a department rule in addition to the requirements in ASME A17.1 section 8.7.3: Where a reopening device for power operated car doors or gates is altered, replaced or added, ASME A17.1 section 8.7.2.13 shall apply.

2. This is a department rule in addition to the requirements in ASMSE A17.1 section 8.7.3.8: Where sprinklers are installed in connection with an elevator machine room or hoistway, the elevator, regardless of the vertical travel distance, shall comply with ASME A17.1 section 2.27.3 to 2.27.8 for emergency recall and emergency in-car operation.

3. This is a department rule in addition to the requirements in ASME A17.1 section 8.7.3.31.8: When emergency recall and emergency in-car operations are installed, the operations shall conform to the requirements of ASME A17.1 section 3.27.

(4) CODE DATA PLATE. Substitute the following wording for the requirements in ASME A17.1 section 8.9 introductory paragraph: ASME A17.1 section 8.9 contains requirements for all new equipment within the scope of this chapter.

(5) ACCEPTANCE INSPECTIONS AND TESTS, GENERAL REQUIREMENTS. Substitute the following wording for the requirements in ASME A17.1 sections 8.10.1.1.1 and 8.10.1.1.3:

(a) *Persons authorized to make acceptance inspections and tests.* Licensed elevator inspectors performing acceptance inspections for new or altered installations shall comply with s. Comm 18.1015 (1), (2) (b) and (c) and (4) (a).

(b) *Persons installing or altering equipment.* This is a department rule in addition to the requirements in ASME A18.1 section 8.10.1.1.2: The installation shall not be placed in service until authorized by the department or agent municipality.

(6) PERIODIC INSPECTIONS AND TESTS. (a) *Persons authorized to make periodic inspections and tests.* Substitute the following wording for the requirements in ASME A17.1 sections 8.11.1.1, 8.11.1.1.1 and 8.11.1.1.2: Licensed elevator inspectors performing periodic inspections and test shall comply with s. Comm 18.1015 (1), (2) (a) and (4) (b) and (c).

(b) *Periodic inspection and test frequency.* Substitute the following wording for the requirements in ASME A17.1 section 8.11.1.3:

1. Periodic inspections shall be made at intervals not longer than one year.

2. Category 1 periodic tests shall be made at intervals not longer than one year.

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

4. Category 5 periodic tests shall be made at intervals not longer than 5 years.

(c) *Installation placed out of service.* Substitute the following wording for the requirements in ASME A17.1 section 8.11.1.4:

1. A conveyance placed out of service shall require all of the following:

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

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

c. For elevators, dumbwaiters and material lifts, securing or locking of hoistway doors and access doors.

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

d. The car and counterweights where provided shall be secured to prevent either from falling due to suspension member or equipment failure.

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

f. Inspection of subd. 1. a. to d. shall be performed by the department.

g Approval of the building code authority where a conveyance is part of a required accessible route in an occupied building.

2. A conveyance placed out of service shall not require periodic inspections or tests.

3. A conveyance placed out of service shall require applicable periodic inspections and tests before being returned to service.

(7) PERIODIC INSPECTION AND TESTS OF ELECTRIC ELEVATORS. (a) *Periodic test requirements, category 5.* This is a department rule in addition to the requirements in ASME A17.1 section 8.11.2.3: Results of all category 5 tests shall be submitted to the department on department forms as specified in s. Comm 18.1015 (4) (c) 2.

(b) *Car and counterweight safeties.* This is a department rule in addition to the requirements in ASME A17.1 section 8.11.2.3.1: Any damaged section of wood guide rails shall be replaced.

(8) PERIODIC INSPECTION AND TESTS OF HYDRAULIC ELEVATORS. (a) *Relief valve setting and system pressure test and cylinder testing.* 1. These are department rules in addition to the requirements in ASME A17.1 section 8.11.3.2.1:

a. This section applies only to hydraulic elevators installed prior to January 1, 1994 and that have below ground cylinders.

b. Results of the relief valve setting and system pressure test shall be submitted to the department on department forms as specified in s. Comm 18.1015 (4) (c) 2.

(b) *Hydraulic cylinders and pressure piping.* 1. These are department rules in addition to the requirements in ASME A17.1 section 8.11.3.2.2:

a.. This section applies only to hydraulic elevators installed prior to January 1, 1994 and that have below ground cylinders.

b. Results of the hydraulic cylinder and pressure piping tests shall be submitted to the department on department forms as specified in s. Comm 18.1015 (4) (c) 2.

(9) PERIODIC INSPECTION AND TESTS OF ESCALATORS AND MOVING WALKS. (a) *Step/skirt performance index.* This is a department rule in addition to the requirements in ASME A17.1 section 8.11.4.2.19: Results of the step/skirt performance index test shall be submitted to the department on department forms as specified in s. Comm 18.1015 (4) (c) 2.

(b) *Clearance between step and skirt.* This is a department rule in addition to the requirements in ASME A17.1 section 8.11.4.2.20: Results of the clearance between the step and skirt shall be submitted to the department on department forms as specified in s. Comm 18.1015 (4) (c) 2.

SECTION 44. Comm 18.1709 and (title) are amended to read:

Comm 18.1709 Reference codes, standards~~,~~ and specifications. Substitute the following wording for the requirements in ASME A17.1 Table 9.1, entry ANSI/ICC A117.1- (latest edition): Accessibility in public buildings and places of employment shall be provided in accordance with ICC/ANSI A117.1 – ~~1998~~ 2003 as incorporated by reference in ~~s. Comm 61.05~~ the building code.

SECTION 45. Comm 18.1800 and (title) are amended to read:

Comm 18.1800 Changes, additions or omissions to ASME ~~A18.1a~~ A18.1. Changes, additions or omissions to the ASME ~~A18.1a - 2001~~ A18.1 – 2005 are specified in this subchapter and are rules of the department and are not requirements of the ASME ~~A18.1a~~ A18.1.

SECTION 46. Comm 18.1801 (3) is repealed and recreated to read:

Comm 18.1801 (3) REFERENCE CODES, STANDARDS AND SPECIFICATIONS. Substitute the following wording for the requirements in ASME A18.1 Table 1.5-1, entry ICC/ANSI A117.1 -1998: Accessibility shall be provided in accordance with the ICC/ANSI A117.1- 2003 and the building code.

SECTION 47. Comm 18.1802 (1) and (2) are repealed and recreated to read:

Comm 18.1802 (1) RUNWAY ENCLOSURE PROVIDED. This is a department rule in addition to the requirements in ASME A18.1 section 2.1.1.7: The grab rails shall not project more than 4 inches from the platform side wall.

(2) PARTIAL RUNWAY ENCLOSURE PROVIDED. This is a department rule in addition to the requirements in ASME A18.1 section 2.1.2.8: The grab rails shall not project more than 4 inches from the platform side wall.

SECTION 48. Comm 18.1802 (7) (a) is amended to read:

Comm 18.1802 (7) (a) *Rated load.* The rated load shall be at least 750 lbs.

SECTION 49. Comm 18.1802 (7) (d) is repealed.

SECTION 50. Comm 18.1802 (8) (a) and all Notes are repealed and recreated to read:

Comm 18.1802 (8) (a) *Operation.* Substitute the following wording for the requirements in ASME A18.1 section 2.10.1: Platform lifts shall comply with all of the following:

1. Operation of the lift from the landing and from the 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.

2. Control switches at the landings shall comply with the requirements under ICC/ANSI A117.1 sections 407.2.1 and 407.2.1.1 to 407.2.1.4.

3. Floor designations shall comply with the requirements under ICC/ANSI A117.1 section 407.2.3.1.

4. Lift control switches on the platform shall comply with the requirements under ICC/ANSI A117.1 section 407.4.6.2 and 407.4.7.1.1 to 407.4.7.1.3.

5. Emergency communications shall comply with the requirements under ICC/ANSI A117.1 section 407.4.10.2.

Note: See IBC chapter 10 for maintaining the minimum means of egress widths for building occupants.

Note: See ICC/ANSI A117.1 section 410 for additional platform lift requirements.

SECTION 51. Comm 18.1802 (8) (b) is repealed.

SECTION 52. Comm 18.1802 (8) (c) and (d) are renumbered Comm 18.1802 (8) (b) and (c).

SECTION 53. Comm 18.1803 (1) (b) (intro.) is amended to read:

Comm 18.1803 (1) (b) ~~*Ramp*~~*Ramps*. Substitute the following wording for the requirements in ASME ~~A18.1a section~~ ~~3.1.4.2~~ A18.1 section 3.1.4: Any difference in elevation between the floor of the platform lift and the floor level of the building shall be overcome by ramps complying with the building code.

SECTION 54. Comm 18.1803 (2) (b) is repealed.

SECTION 55. Comm 18.1803 (2) (a) 1. and 2. are renumbered Comm 18.1803 (2) (intro.). (a) and (b).

SECTION 56. Comm 18.1803 (3) (b) is amended to read:

Comm 18.1803 (3) (b) *Capacity plate*. This is a department rule in addition to the requirements in ASME ~~A18.1a~~ A18.1 section 3.7.3: A sign stating the capacity of the lift shall be posted at each landing or on the lift in a conspicuous location. Lettering for this sign shall be a minimum of one-inch high and shall comply with ICC/ANSI A117.1 section ~~703.2.2 to 703.2.8~~ 703.3.

SECTION 57. Comm 18.1803 (4) is repealed.

SECTION 58. Comm 18.1804 (2) is amended to read:

Comm 18.1804 (2) RUNWAYS. Substitute the following wording for the requirements in ASME ~~A18.1a~~ A18.1 section 4.1.1: Inclined stairway chairlifts shall be installed to maintain the minimum means of egress requirements specified in the building code. The minimum means of egress width shall be measured with the lift in its operational position.

SECTION 59. Comm 18.1808 (1) is amended to read:

Comm 18.1808 (1) SHUTOFF VALVES. A manually operated shutoff valve shall be provided between the hydraulic machines and the hydraulic cylinder and shall be located outside the hoistway and adjacent to the hydraulic machine on all hydraulic platform lifts with separate machine rooms.

SECTION 60. Comm 18.1810 (2) is repealed and recreated to read:

Comm 18.1810 (2) INSPECTION AND TEST PERIODS. Substitute the following wording for the requirements in ASME A18.1 section 10.2.1: The routine inspections and tests of ASME A18.1 sections 2, 3 and 4 shall be made at intervals not longer than 1 year.

SECTION 61. Comm 18.1820 is created to read:

Comm 18.1820 Courtroom lifts. (1) RUNWAYS. Runways shall be installed in accordance with ASME A18.1 sections. 2.1.1, 2.1.2, 2.1.3 or 2.1.4. Lifts conforming to ASME A18.1 section 2.1.4 shall be located in courtroom areas not open to the public and under the supervision of court officials. Runway construction for lifts that penetrate a floor must comply with ASME A18.1 section 2.1.1 and with the building code.

(2) RUNWAY ENTRANCES. (a) The runway entrance shall be guarded at the uppermost landing by a door of unperforated construction. The door shall be self-closing or power-operated, at a height not less than 900 mm (36 in.), and withstand, without permanent deformation, a force of 125 lbf (550 N) applied on any 100mm (4 in.) by 100mm (4 in.) area. The door shall be located not more than 75 mm (3 in.) from the platform sill.

(b) Intermediate landing entrances shall be guarded in accordance with the requirements of ASME A18.1 sections. 2.1.4.2.1 or 2.1.4.2.2

1. The runway entrance at any intermediate landing entrance shall be guarded by a self closing or power-operated door of unperforated construction not wider than the entrance to the platform plus 25 mm (1 in.). The door shall be a minimum height of 150 mm (6 in.) and extend to the top landing plus 75 mm (3 in.). 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 edge of the platform floor.

2. Any intermediate landing entrance shall be guarded by a self closing or power-operated guard of smooth, solid construction not wider than the entrance to the platform plus 25 mm (1 in.) and of a height not less than 150 mm (6 in.). The side of the platform facing the intermediate landing shall be provided with a platform mounted guard of smooth, solid construction, at least the width of the landing entrance and of a height not less than 150 mm (6 in.).

(c) The area under the platform shall be fully enclosed by smooth guards, either 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. Shutter-type (telescoping) guards, if provided, shall be securely fastened to the lower landing level and to the platform. Openings necessary for operation of guards shall reject a ball 12 mm (0.5 in.) in diameter.

(d) A vertical fascia shall be provided from the top terminal landing sill and any intermediate landing sill to the level of the bottom terminal landing sill. Openings necessary for operation shall reject a ball 12 mm (0.5 in.) diameter. The fascia shall guard the full width of the platform. The surface shall not be permanently deformed when a force of 550 N (125 lbf) is applied on any 100 mm (4 in.) by 100 mm (4 in.) area. The clearance between the vertical fascia and platform edge shall be not less than 10 mm (0.375 in.) nor more than 20 mm (0.75 in.).

(e) The runway entrance shall be guarded at the lower landing by a door of unperforated construction. The door shall be self-closing or power-operated, at a height not less than 900 mm (36 in.), and withstand, without permanent deformation, a force of 550 N (125 lbf) on a 100 mm (4 in.) by 100mm (4 in.) area. The clearance between the lower landing door and platform edge shall be not less than 10 mm (0.375 in.) nor more than 20 mm (0.75 in.).

(f) The sides of the platform not used for entrance or exit shall be guarded by stationary runway or platform mounted sidewalls of solid construction with no openings, other than those necessary for the operation of the lift. Those openings necessary for operation shall reject a ball 12 mm (0.5 in.) in diameter. Platform mounted sidewalls shall be at a height not less than 900 mm (36 in.). The running clearance between a platform mounted sidewall and stationary surfaces shall be not less than 50 mm (2 in.) nor more than 75 mm (3 in.). Stationary runway sidewalls shall be at a height not less than 900 mm (36 in.) above the lower landing. The clearance between stationary runway sidewalls and the platform shall be not less than 10 mm (0.375 in.) nor more than 20 mm (0.75 in.).

(g) All doors guards shall be provided with a combination mechanical lock and electric contact. Locking devices shall be protected against tampering from the landing side. The locking devices shall permit a door guard to be opened only if the platform floor is within 50 mm (2 in.) of the respective landing. The platform shall be permitted to move away from the landing under control of the normal operating device if the door/guard is closed but not locked, provided that the devices will cause the platform to stop if it moves away from the landing more than 50 mm (2 in.) before the door/guard is locked.

(3) FLOOR AREA. The inside net floor area of lifts conforming to ASME A18.1 sections 2.1.1, 2.1.2, and 2.1.3 shall not exceed 1.7 m^2 (18 ft^2). The inside net floor area of lifts conforming to ASME A18.1 section 2.1.4 shall not exceed 2.3 m^2 (25 ft^2)

(4) LIMITATION OF LOAD, SPEED AND TRAVEL. The rated load shall be not less than 200 kg (450 lb) nor more than 475 kg (1050 lb). Platforms with a floor greater than 1.4 m^2 (15 ft^2) shall have rated load of not less than 340 kg (750 lb). Platforms with a floor greater than 1.7 m (18 ft^2) shall have rated load of not less than 475 kg (1050 lb). The lift shall be capable of sustaining and lowering a load as specified in ASME Fig. 9.7. The rated speed shall not exceed 0.15 m/s (30 ft/min). Travel of lifts conforming to ASME A18.1 sections 2.1.1 and 2.1.2 shall not exceed 4250 mm (168 in.). Travel of lifts conforming to ASME A18.1 section 2.1.3 shall not exceed 1500 mm (60 in.). Travel of lifts conforming to ASME A18.1 section 2.1.4 shall not exceed 600 mm (24 in.)

SECTION 62. Under chapter Comm 18, all references to ASME A18.1a that have not been affected by other treatment sections in this rule package shall be changed to ASME A18.1.

SECTION 63. Comm 18, Appendix material is repealed.

SECTION 64. Comm 21.115 is created to read:

Comm 21.115 Installation of elevators or dumbwaiters. Elevators or dumbwaiters serving dwelling units shall comply with the requirements under chapter Comm 18.

END

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