

## CHAPTER 1307

### DEPARTMENT OF ADMINISTRATION

### ELEVATORS AND RELATED DEVICES

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#### 1307.0005 TITLE.

This chapter is known and may be cited as the "Elevators and Related Devices Code." As used in this chapter, "the code" and "this code" refer to this chapter.

**Statutory Authority:** *MS s 16B.59 to 16B.75*

**History:** *23 SR 2051*

#### 1307.0010 PURPOSE AND SCOPE.

The provisions of parts 1307.0010 to 1307.0100 are to safeguard life, limb, property, and public welfare by establishing minimum requirements relating to the design, construction, installation, alteration, repair, removal, and operation and maintenance of passenger elevators, freight elevators, handpowered elevators, dumbwaiters, escalators, moving walks, vertical reciprocating conveyors, stage and orchestra lifts, endless belt lifts, wheelchair lifts, and other related devices. The requirements for the enforcement of these provisions are established by this chapter, and by municipal option, according to Minnesota Statutes, section 16B.747, subdivision 3.

**Statutory Authority:** *MS s 16B.59 to 16B.75*

**History:** *15 SR 70; 23 SR 2051*

#### 1307.0015 [Repealed, 23 SR 2051]

#### 1307.0020 ASME CODE ADOPTED BY REFERENCE.

Subpart 1. **Incorporation by reference.** The following are incorporated by reference, are not subject to frequent change, and are made part of the Minnesota State Building Code as amended in this chapter: ASME A17.1-1996 Safety Code for Elevators and Escalators; ASME A17.3-1996 Safety Code for Existing Elevators and Escalators; ASME A17.5-1996 Elevator and Escalator Electrical Equipment; ASME A90.1-1997 Safety Standard for Belt Manlifts; ASME B20.1-1996 Safety Standard for Conveyors and Related Equipment as published by the American Society of Mechanical Engineers, United Engineering Center, 345 East 47th Street, New York, New York 10017. These are available in the office of the commissioner of administration.

Subp. 2. [Repealed, 23 SR 2051]

**Statutory Authority:** *MS s 16B.59 to 16B.75*

**History:** *15 SR 70; 23 SR 2051*

#### 1307.0025 DEFINITIONS.

Subpart 1. **Scope.** The definitions in this part apply to parts 1307.0010 to 1307.0100.

Subp. 2. **ASME A17.1-1996.** "ASME A17.1-1996" means the ASME A17.1-1996 Safety Code for Elevators and Escalators (and related equipment).

Subp. 3. **ASME A17.3-1996.** "ASME A17.3-1996" means the ASME A17.3-1996 Safety Code for Existing Elevators and Escalators (and related equipment).

Subp. 4. **ASME Code.** "ASME Code" means the ASME Codes incorporated by reference in part 1307.0020, subpart 1.

Subp. 5. **Authority having jurisdiction.** "Authority having jurisdiction" means the Department of Administration pursuant to Minnesota Statutes, section 16B.61, or a unit of local government pursuant to Minnesota Statutes, sections 16B.61 and 16B.747.

Subp. 6. **Existing installation.** "Existing installation" means one for which, before the effective date of this code:

A. all work of installation was completed; or

B. the plans and specifications were filed with the authority having jurisdiction, all required permits were obtained, all permit and inspection fees were paid, and work was begun not later than 12 months after approval of the plans and specifications and issuance of the required permits.

Subp. 7. **Endless belt lift.** "Endless belt lift" means belt manlifts and is governed by ASME A90.1-1997 Safety Standard for Belt Manlifts.

Subp. 8. **Uniform Building Code or UBC.** "Uniform Building Code" or "UBC" means the Uniform Building Code, as promulgated by the International Conference of Building Officials, Whittier, California, and as adopted by reference in part 1305.0010.

Subp. 9. **Vertical reciprocating conveyor.** "Vertical reciprocating conveyor" means a vertical device for moving material only that is not designed to carry passengers or an operator, and that is governed by ASME B20.1-1996, Safety Standard for Conveyors and Related Equipment.

**Statutory Authority:** *MS s 16B.59 to 16B.75*

**History:** *15 SR 70; 23 SR 2051*

### 1307.0030 PERMITS.

Subpart 1. **Permits required.** It is unlawful for any person, firm, or corporation to hereafter install any new passenger elevators, freight elevators, handpowered elevators, moving walks, escalators, dumbwaiters, wheelchair lifts, endless belt lifts, vertical reciprocating conveyors, stage and orchestra lifts, or any other related device, or make alterations or repairs to or remove any existing of the same without having first obtained a permit for the work from the authority having jurisdiction. Alterations, modifications, and practical difficulties will be done in keeping with the rules of the Department of Administration.

Exception: Permits for repairs and periodic routine inspections per Part XII of ASME A17.1-1996 are not required by the Department of Administration.

Subp. 2. **Application for permit.** Application for a permit to install, alter, repair, or remove must be made on forms provided by the authority having jurisdiction.

Subp. 3. **Plans and specifications.** For elevators under the Department of Administration's jurisdiction, plans and specifications describing the extent of the work involved must be submitted with the application for a permit. The authority having jurisdiction may require that such plans and specifications for work associated with the installation of equipment by this chapter be prepared by an architect or engineer licensed to practice in Minnesota. A permit will be issued to the applicant when the plans and specifications have been approved and the appropriate permit fee specified in this code has been paid by the applicant.

Subp. 4. **Certificate of operation required.** It is unlawful to operate equipment governed by ASME A17.1-1996, ASME A17.3-1996, and ASME A90.1-1997 without a current Certificate of Operation issued by the authority having jurisdiction. The certificate will be issued upon payment of prescribed fees and the presentation of a valid inspection report indicating that the conveyance is safe and that the inspections and tests have been performed according to this code. A certificate will not be issued when the conveyance is posted as unsafe.

Subp. 5. **Application for certificate of operation.** Application for a certificate of operation must be made by the owner, or an authorized representative, for equipment

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governed by ASME A17.1-1996, ASME A17.3-1996, and ASME A90.1-1997. The application must be accompanied by an inspection report. Fees for the Certificate of Operation must be as specified by the administrative authority.

**Statutory Authority:** *MS s 16B.59 to 16B.75*

**History:** *15 SR 70; 23 SR 2051*

**1307.0032 FEES.**

Subpart 1. **Jurisdiction.** Fees for the installation, alteration, repair, or removal of devices or for routine or periodic inspections covered in this part are as set forth in the fee schedule adopted by the jurisdiction or, in cases under permit issuance by the Department of Administration, as established in this part.

Subp. 2. **Establishment.** The Department of Administration's fees for a permit to install, alter, or remove devices within the scope of this code are:

A. A permit fee to install, alter, or remove an elevator is \$100, and \$500 if work that requires a permit is begun without a permit.

B. Inspection fees for installation and alteration of permitted elevator work are 1-1/2 percent of the total cost of the permitted work for labor and materials including related electrical and mechanical equipment. The total inspection fee shall not exceed \$1,000 per permit. The inspection fee covers two inspections. Additional inspections shall cost \$45 per hour, in accordance with part 1302.0600. The cost of special decorative fixtures in the permitted work may be deducted from the cost of the permitted elevator work up to a maximum of five percent of the total cost of the permitted work upon approval of the commissioner.

C. An elevator that passes Department of Administration's inspection will be issued an operating permit by the department.

Subp. 3. **Inspection fees.** The fees for a requested inspection of existing elevators by the Department of Administration are:

- A. two stop elevators, \$50;
- B. three stop elevators, \$75;
- C. four stop elevators, \$100;
- D. five stop elevators, \$125;
- E. six or more stop elevators, \$150; and
- F. escalators and moving walks, \$100.

Subp. 4. **Vertical reciprocating conveyor inspection fees.** Vertical reciprocating conveyors (ASME Standard B20.1) are subject to filing and inspection fees for new and altered installations, but are exempt from routine inspections by an elevator inspector.

**Statutory Authority:** *MS s 16B.59 to 16B.75*

**History:** *23 SR 2051*

**1307.0035 INSPECTION, TESTS, AND APPROVALS.**

Subpart 1. **Approval of plans.** Any person, firm, or corporation desiring to install, relocate, alter, or remove any installation covered by this chapter must obtain approval for doing so from the authority having jurisdiction. Two sets of drawings and/or specifications showing the installation, relocation, alteration, or removal must be submitted as required by the authority having jurisdiction.

Subp. 2. **Inspections and tests.** No person, firm, or corporation may put into service any installation covered by parts 1307.0010 to 1307.0100 whether the installation is newly installed, relocated, or altered materially, without the installation being inspected and approved by the authority having jurisdiction. The installer of any equipment included in this chapter must request inspections by notifying the authority having jurisdiction to schedule a date and time for inspection. The authority having jurisdiction shall require tests as described in the applicable ASME Code to prove the safe operation of the installation.

Subp. 3. **Approval.** A certificate or letter of approval must be issued by the authority having jurisdiction for equipment governed by ASME A17.1-1996, ASME A17.3-1996, ASME A90.1-1997, and ASME B20.1-1996 when the entire installation is completed in conformity with this code.

Subp. 4. **Limited use approval.** When a building or structure is equipped with one or more elevators, at least one of the elevators may be approved for limited use before completion of the building or structure. The limited use approval must specify the class of service permitted and the conditions of approval.

**Statutory Authority:** *MS s 16B.59 to 16B.75*

**History:** *15 SR 70; 23 SR 2051*

### 1307.0040 ACCIDENTS.

Subpart 1. **To be reported.** The owner or person in control of an elevator or other installation covered by this code shall notify the authority having jurisdiction of any accident involving personal injury or damage to equipment covered in this chapter to a person or apparatus on, about, or in connection with an elevator or other installation, and shall allow the authority having jurisdiction reasonable access to the equipment and the opportunity to take statements from employees and agents of the owner or person in control for investigating the accident and the resultant damage. Notification may be given to the authority having jurisdiction by telephone or verbally. The notification must also be confirmed in writing. Notification must be made within one working day of the accident. Failure to provide the proper notification may be considered a violation as described in Minnesota Statutes, section 16B.745.

Subp. 2. **Investigation.** The authority having jurisdiction must make or cause to be made an investigation of the accident, and the report of the investigation must be placed on file in its office. The report must give in detail the cause or causes, so far as can be determined, and the report must be available for public inspection subject to the requirements of the Minnesota Government Data Practices Act, Minnesota Statutes, chapter 13.

Subp. 3. **Operation discontinued.** When an accident involves the failure or destruction of a part of the installation or the operating mechanism, the elevator or other installation must be taken out of service and may not be used again until it has been made safe and the reuse approved by the authority having jurisdiction. The authority having jurisdiction may, when necessary, order the discontinuance of operation of any such elevator or installation until a new certificate of operation has been issued.

Subp. 4. **Removal of parts restricted.** No part of the damaged installation, construction, or operating mechanism may be removed from the premises until permission is granted by the authority having jurisdiction.

**Statutory Authority:** *MS s 16B.59 to 16B.75*

**History:** *15 SR 70; 23 SR 2051*

### 1307.0045 SPECIAL PROVISIONS.

Subpart 1. **Scope.** The special provisions in this part apply to the design, construction, and installation of equipment governed by ASME A17.1-1996 and ASME A17.3-1996.

Subp. 2. **Number of cars in hoistway.** When there are three or fewer elevator cars in a building, they may be located within the same hoistway enclosure. When there are four elevator cars, they must be divided in such a manner that at least two separate hoistway enclosures are provided. When there are more than four elevators, not more than four elevator cars may be located within a single hoistway enclosure.

Subp. 3. **Elevator lobby.** Elevator lobbies must be installed and constructed as required by the UBC. When firefighters' service is installed and an elevator lobby is not provided, an area of the ceiling outside the hoistway opening must be provided with a draft curtain. The area of the ceiling enclosed by the draft curtain must be large

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enough so that it surrounds the elevator's smoke detector, encloses the width of the hoistway entrance, and has a minimum area equal to the floor area of the car. The draft curtain must consist of glass set in metal frames or construction complying with the construction type of the building. Where a seven-foot minimum ceiling height can be maintained below the draft curtain, the draft curtain shall extend down a minimum of 12 inches from the ceiling.

Subp. 4. **Standby power.** Standby power when required by chapter 1341, Minnesota Accessibility Code, or UBC section 403 shall be capable of providing power to at least one elevator in each bank to serve all floors of the building. Standby power shall be manually transferable to all elevators in each bank.

Standby power when required by chapter 1341, Minnesota Accessibility Code, or UBC section 403 shall be provided by an approved self-contained generator set to operate automatically whenever there is a loss of electrical power to the building. The generator set shall be located in a separate room enclosed by at least a one-hour fire-resistive occupancy separation. The generator shall have a fuel supply adequate to operate the equipment connected to it for a minimum of two hours.

Note: A bank of elevators is a group of elevators or a single elevator controlled by a common operating system; that is, all those elevators which respond to a single call button constitute a bank of elevators. There is no limit to the number of cars which may be in a bank or group, but there may be not more than four cars within a common hoistway.

Subp. 5. **Minimum car size.** In buildings with passenger elevators having 25 feet or more of travel above or below the designated level, at least one passenger elevator must be provided with a minimum clear distance between walls or between walls and door excluding return panels, not less than 80 inches by 54 inches, and a minimum distance from wall to return panel not less than 51 inches with a 42-inch side slide door, unless otherwise designed to accommodate an ambulance-type stretcher 76 inches by 24 inches in the horizontal position. In buildings where one passenger elevator does not serve all floors, two or more passenger elevators may be used. All other passenger elevators must be provided with a minimum clear distance between walls or between wall and door, excluding return panels, of 68 inches by 54 inches. The minimum distance from wall to return panel is 51 inches.

Exception. When approved by the authority having jurisdiction, passenger elevators to be installed in existing buildings where existing hoistway configuration or technical infeasibility prohibits strict compliance with the minimum required car size, the minimum inside car area may be reduced to not less than 48 inches by 48 inches.

Subp. 6. **Emergency signs.** Except at the main entrance level, an approved pictorial sign of an approved design such as referenced in Appendix H of ASME A17.1-1996 must be five inches (127 mm) wide and eight inches (203 mm) high and must be posted adjacent to each elevator call station which will indicate that, in case of fire, the elevator will not operate and that exits should be used.

Subp. 7. **Specific use.** The authority having jurisdiction may waive the requirements of this part for any elevator designed for a specific use serving only certain floors or a particular function.

Subp. 8. **Illumination.** A guarded light and convenience outlet must be provided on the top and underside of each elevator car.

Subp. 9. **Chairlifts.** Inclined stairway chairlifts may only be installed in single-family dwelling units. The installation shall be in accordance with ASME A17.1-1996, Rule 2102.

Subp. 10. **Attendant-operated lifts.** Attendant-operated lifts may not be installed in other than owner-occupied single-family dwellings.

Subp. 11. **Rooftop elevators.** Rooftop elevators may not be installed.

Subp. 12. **Outdoor moving walks.** Outdoor moving walks may not be installed.

Subp. 13. **Winding drum machines.** Except as permitted in the ASME code for chairlifts and wheelchair platform lifts, winding drum machines are not permitted on new elevator installations or as replacements on existing installations.

Subp. 14. **Horizontal swing doors.** Horizontal swing doors of single-section or center-opening two-section design are not permitted on new elevator installations or as replacements on existing installations, except the authority having jurisdiction may approve their installation or replacement if the conditions make it impossible to install approved types of doors.

Subp. 15. **Side emergency exits.** Side emergency exits on elevator cars are not permitted.

Subp. 16. **Operating devices.** Operating devices must be of the enclosed electric type. Rope- or rod-operated devices activated by hand, or rope-operating devices activated by wheels, levers, or cranks, must be removed. It is not considered an alteration if a constant pressure push button system replaces a device required to be removed by this subpart.

Subp. 17. **Additional doors.** Doors other than the hoistway door and the elevator car door shall be prohibited at the point of access to an elevator car.

**Statutory Authority:** *MS s 16B.59 to 16B.75*

**History:** *15 SR 70; 23 SR 2051*

**1307.0050** [Repealed, 23 SR 2051]

**1307.0055** [Repealed, 23 SR 2051]

**1307.0060** [Repealed, 23 SR 2051]

**1307.0065 AMENDMENTS TO ASME A17.1-1996.**

Subpart 1. **Rule 100.4.** Rule 100.4 is amended by deleting the first paragraph and replacing it with the following:

Hoistway venting. Shafts (hoistways) housing elevators having a travel distance of 25 feet or more shall be vented to the outside. The area of the vent shall be not less than 3-1/2 percent of the area of the elevator shaft, provided a minimum of three square feet per elevator is provided.

The venting of each individual hoistway must be independent from any other hoistway venting, and the interconnection of separate hoistways for the purpose of venting is prohibited. Keyed manual remote devices must operate vents. Keyed manual remote devices must be provided with visual indicators for open or closed status and must be located adjacent to the fire control panel, if provided, or the elevator lobby on a designated floor. Vents must not be of automatic operation such as by fusible links or smoke or fire detection. Vents must be located in the side of the hoistway enclosure directly below the floor or floors at the top of the hoistway, and must open either directly to the outer air or through noncombustible ducts to the outer air; or in the wall or roof of the penthouse or overhead machinery space above the roof when the openings have a total area not less than the minimum specified in this part. Vents passing through machine rooms must be in noncombustible ducts and must provide and maintain access around electrical and mechanical equipment. When a vent is installed in the roof of the hoistway, a protective grille must be provided to prevent persons from falling into the hoistway.

Subp. 2. **Rule 101.5b.** Rule 101.5b is amended to read as follows:

When relay logic or solid state equipment is used to operate the elevators, the elevator equipment room and hoistways must be provided with independent natural or mechanical equipment to maintain an ambient temperature of 50 degrees to 90 degrees Fahrenheit or as otherwise permitted by the manufacturer of the listed equipment.

When standby power is connected to elevators, the machine room and hoistway ventilation or air conditioning must be connected to standby power.

Subp. 3. **Rule 102.2(c)(3)**. Rule 102.2(c)(3) is amended by adding an exception to read as follows:

Exception: If sprinklers are added in an existing elevator machine room or hoistway, automatic disconnect of the main power supply is not required if the existing elevator is hydraulic, installed prior to the adoption of ASME A17.1-1996, and equipped with Phase I and Phase II firefighter's service in compliance with Rules 211.3 through 211.9. This exception does not apply to elevators being altered.

Subp. 4. **Rule 106.1b(3)**. Rule 106.1b(3) is amended by adding a paragraph to read as follows:

When an elevator pit drain is installed, it must discharge to the sanitary sewer using an indirect connection that precludes the possibility of sewage backup into the pit. If a sump is used, it must be located outside the pit with a dry pan drain flowing to it.

The sump for the elevator pit drain must not be located in the elevator machine room.

Subp. 5. **Rule 111.9(d)**. Rule 111.9(d) is deleted.

Subp. 6. **Rule 111.9(e)(1)**. Rule 111.9(e)(1) is amended as follows: (1) The device shall unlock and permit the opening of the hoistway door from the bottom landing irrespective of the position of the car.

Subp. 7. **Rule 111.9(e)(2)**. Rule 111.9(e)(2) is amended as follows: (2) The device shall be installed at only the bottom landing.

Subp. 8. **Rule 211.1(a)(2)**. Rule 211.1(a)(2) is amended to read as follows: (2) A means of two-way communication between the car and a point outside the hoistway. The two-way communication shall be capable of initiation from both inside the car and a point outside the hoistway. The point outside the hoistway shall operate on a 24-hour basis, initiate action which will free the occupants of the car, and respond directly to the car when such action has commenced. Accessibility requirements for the communication device shall comply with chapter 1341. The communication shall be located a maximum of 48 inches above the car floor and shall provide both a visible signal and voice communication. The visible signal shall illuminate inside the car upon response from emergency personnel. Signage shall be provided within the car explaining to the occupants that when the visible indicating device is illuminated, emergency personnel have received the distress signal and assistance is on the way. Emergency personnel must be able to identify and locate the car in distress without voice communication from inside the car. In addition, a permanent plaque or label must be affixed adjacent to the communication device identifying the car number and building address.

Subp. 9. **Rule 211.1(b)**. Rule 211.1(b) is deleted.

Subp. 10. **Rule 211.8**. Rule 211.8 is amended to read as follows:

On emergency elevators, all keyed switches installed to operate the elevator or emergency service must be keyed alike to a pattern approved by the authority having jurisdiction and the fire chief or the keys must be stored in a secure box and must be locked with a key approved by the authority having jurisdiction and the fire chief.

The box must be on the premises readily accessible to authorized personnel and must be located at the elevator lobby on the designated floor as approved by the authority having jurisdiction and labeled "ELEVATOR EMERGENCY USE ONLY."

Keys required to be in the security box include the emergency operation key, the machine room key, the hoistway unlocking device, and other keys required for elevator access and operation as required by the authority having jurisdiction.

Subp. 11. **Rule 602.1**. Rule 602.1 is amended by adding a fourth paragraph to read as follows:

All hand powered elevators must be equipped with a broken rope safety device.

Subp. 12. **Rule 701.6h**. Rule 701.6h is amended by adding item h to read as follows:

All hand powered dumbwaiters must be equipped with a broken rope safety device.

Subp. 13. **Rule 1000.1.** Rule 1000.1 is amended to read as follows:

The inspector must satisfy the minimum qualifications established in Minnesota Statutes, section 16B.748, clause (3).

Subp. 14. **Rules 1202.12b, 1203.8b, and 1203.8c.** Rules 1202.12b, 1203.8b, and 1203.8c are amended to read as follows:

When addition or repair to, or replacement of, leveling devices or truck zoning devices are performed, that work must comply with the requirements in Rules 210.1e and 306.3 and is not considered an alteration as outlined in section XII.

Subp. 15. **Rule 1500.1.** Rule 1500.1 is amended by adding item 1a to read as follows:

A machine room must be provided for elevator equipment to protect it from the weather.

Subp. 16. **Rule 1502.7a.** Rule 1502.7a is amended by adding the following language:

The car safety must also conform to the requirements of Rule 205.13.

Subp. 17. **Part XX.** Part XX is amended by replacing the "SCOPE" with the following:

Inclined and Vertical Wheelchair Lifts. This part applies to vertical wheelchair lifts (Section 2000), and inclined wheelchair lifts (Section 2001), installed in buildings other than in or at a private residence for use by people with physical disabilities. Such lifts shall be permanently installed.

Exception: Portable lifts are permitted at temporary structures. Those lifts must have permits and inspections in accordance with part 1307.0030. See Part V for private residence elevators, and Part XXI for private residence inclined stairway chairlifts and inclined and vertical wheelchair lifts. Routine and periodic tests and inspections must be conducted according to Rule 1010.2.

Inclined and vertical wheelchair lifts must not be installed outside or exposed to the outside elements. Routine and periodic tests and inspections must be made according to Rule 1010.10.

Subp. 18. **Rule 2000.1a.** Rule 2000.1a(1) is amended by adding the following:

Lifts that exceed six feet (1,829 mm) of travel must have enclosures extending at least seven feet (2,134 mm) above the upper landing. Enclosure walls more than two inches thick and less than six feet (1,829 mm) high shall be sloped at the top to a 45-degree angle to prevent objects from falling into the enclosure.

Rule 2000.1a(2) is amended by adding the following:

Lifts that exceed six feet (1,829 mm) of travel must have a minimum door height of six feet, eight inches (2,032 mm). The door must guard the entire area of the opening except for the space necessary for operation of the door. Such space must reject a ball three-eighths inch (9.5 mm) in diameter.

Rule 2000.1a(3) is amended by adding the following:

Lifts that exceed six feet (1,829 mm) of travel must have a minimum door height of six feet, eight inches (2,032 mm). The door must guard the entire area of the opening except for the space necessary for operation of the door. Such space must reject a ball three-eighths inch (9.5 mm) in diameter.

Rule 2000.1a(5) is amended to read as follows:

The platform side of the landing doors and sill shall not project beyond the vertical line of travel of the platform. No hardware shall project beyond the vertical line of travel of the platform. Rule 2000.1a(7) is amended by replacing the reference to ANSI A117.1 with a reference to chapter 1341, Minnesota Accessibility Code.

Subp. 19. **Rule 2000.1b.** Rule 2000.1b is deleted.



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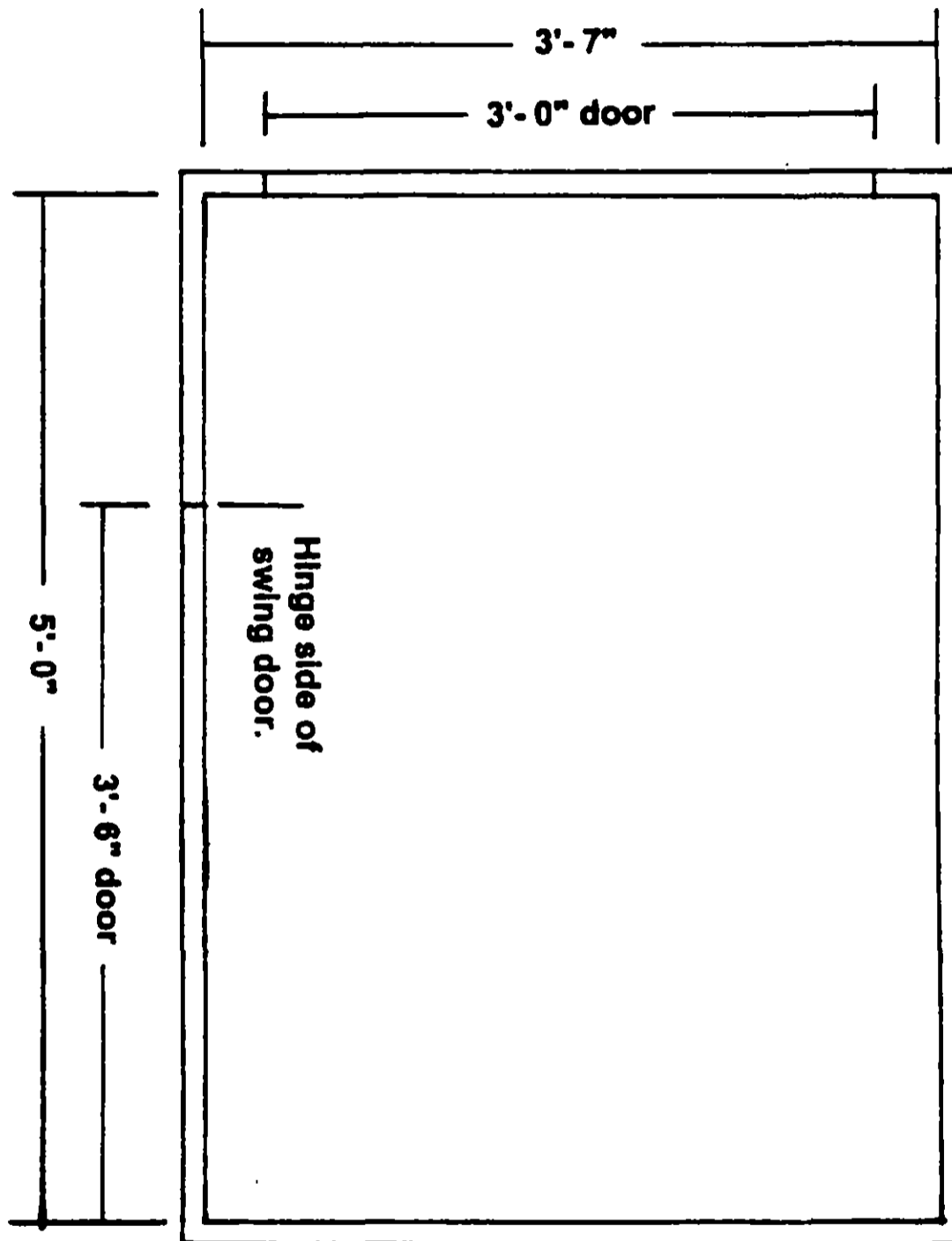
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Subp. 20. **Rule 2000.1c.** Rule 2000.1c is deleted.

Subp. 21. **Rule 2000.6c.** Rule 2000.6c is amended by deleting it and replacing it with the following:

The inside net platform area shall measure 36 inches by 54 inches minimum, not to exceed 18 square feet (1.67 m<sup>2</sup>). Lift entrance/exit openings shall be provided on opposite ends of the platform on the sides with the shortest dimension.

Exception: Openings which create a 90-degree turn are allowed when the platform is dimensioned and provided with openings as shown in the diagram.



Subp. 22. **Rule 2000.10a.** Rule 2000.10a is amended to read as follows:

Operation. "UP" and "DOWN" control switches at all stations shall be by means of a continuous-pressure device. Controls shall be located within 30 to 36 inches above the floor and have a minimum dimension of three inches. Operating devices shall be designed so that both the "UP" and "DOWN" circuits cannot be operated at the same time.

Subp. 23. **Rule 2000.10b.** Rule 2000.10b is deleted.

Subp. 24. **Rule 2001.10a.** Rule 2001.10a is amended to read as follows:

Operation. "UP" and "DOWN" control switches at all stations shall be by means of a continuous-pressure device. Controls shall be located within 30 to 36 inches above the floor and have a minimum dimension of three inches. Operating devices shall be

designed so that both the "UP" and "DOWN" circuits cannot be operated at the same time.

Subp. 25. **Rule 2001.10b.** Rule 2001.10b is deleted.

Subp. 26. **Section 2002.** Section 2002 is amended to add the following:

Rule 2002. These lifts are only allowed in single-family residences.

**Statutory Authority:** *MS s 16B.59 to 16B.75*

**History:** *15 SR 70; 23 SR 2051*

#### **1307.0070 STAGE AND ORCHESTRA LIFTS.**

Stage and orchestra lifts must be designed, installed, constructed, and maintained so as to be reasonably safe to life, limb, and adjoining property and must be reviewed by the authority having jurisdiction prior to installation or construction.

**Statutory Authority:** *MS s 16B.61*

**History:** *15 SR 70*

**1307.0075** [Repealed, 23 SR 2051]

**1307.0080** [Repealed, 23 SR 2051]

#### **1307.0085 MECHANICAL PARKING GARAGE EQUIPMENT.**

Mechanized parking garage equipment must be designed, constructed, installed, and maintained so as to be reasonably safe to life, limb, and adjoining property and must conform to the standards specified in the American Standard Safety Code for Mechanized Parking Garage Equipment, ANSI A113.1 (R-1971).

**Statutory Authority:** *MS s 16B.61*

**History:** *15 SR 70*

#### **1307.0090 EXISTING INSTALLATIONS.**

Subpart 1. **Routine and periodic inspections and tests.** Notwithstanding the time intervals for routine and periodic inspections and tests established in the ASME code for existing elevators and related devices, pursuant to Minnesota Statutes, section 16B.747, subdivision 3, municipalities authorized to administer this chapter may establish, by local ordinance, a time interval for routine and periodic inspections of existing equipment governed by ASME A17.1-1996, ASME A17.3-1996, and ASME A90.1-1997.

Subp. 2. **Conditions for continued operation.** All existing installations of equipment governed by ASME A17.1-1996, ASME A17.3-1996, and ASME A90.1-1997 may be continued in service as long as they are properly maintained and are, in the opinion of the authority having jurisdiction, installed and maintained in a safe condition. The authority having jurisdiction may order the installation of the following basic safety devices: car gates or doors, car tops, car walls extending to the car top, car lighting and emergency car lighting, a means of two-way conversation between the car and a readily accessible point outside the hoistway, automatic photoelectric door reopening devices, top of car and under car lights, pit light and ground fault interrupter outlet, pit safety stop switch, pit ladder, emergency door unlocking device, and emergency lock box. All hand powered elevators and hand powered dumbwaiters must have broken rope safety devices. All existing freight elevators must meet the capacity requirements of ASME A17.1-1996 Rule 207.2b to meet 50 pounds per square foot for class A and class C loading, elevator machine room lighting must meet the requirements of ASME A17.1-1996 Rule 101.5a to provide ten footcandles of illumination at the floor level. The installation of these safety devices does not require compliance with ASME A17.1-1996. The authority having jurisdiction must have the authority to shut down any piece of equipment covered by this subpart, which in the opinion of the authority having jurisdiction, is dangerous to life, limb, and adjoining property, and the equip-

ment may not be put back into operation until the unsafe condition has been corrected and approved by the authority having jurisdiction.

**Subp. 3. Damaged installations.** Any installation, whether new or existing, which becomes damaged, defective, or worn, by fire or other causes including ordinary wear to the extent that in the opinion of the authority having jurisdiction it is dangerous to life, limb, and adjoining property, such installations must be repaired or rebuilt in conformity with the applicable ASME code and its associated state amendments. The equipment must, if in the opinion of the authority having jurisdiction, it is found necessary to protect life, limb, and property, be taken out of service until the nonconformity has been removed.

**Subp. 4. Unsafe conditions.** When an inspection reveals an unsafe condition, the inspector must immediately file with the owner and the authority having jurisdiction a full and true report of the inspection and the unsafe condition. If the authority having jurisdiction finds that the unsafe condition endangers human life, limb, and property, the inspector shall place a notice, in a conspicuous location, on the elevator, escalator, or moving walk that the conveyance is unsafe. The owner shall see to it that the notice of unsafe condition is legibly maintained where placed by the authority having jurisdiction. The authority having jurisdiction must issue an order in writing to the owner requiring the repairs or alterations to be made to the conveyance in compliance with the applicable ASME code and its associated state amendments, and may order the operation discontinued until such repairs or alterations are completed. A posted notice of unsafe conditions must be removed only by the authority having jurisdiction when satisfied that the required repairs or alterations have been completed.

**Subp. 5. Fire protection.** If sprinklers are added in an existing elevator machine room or hoistway, automatic disconnect of the main power supply is not required if the existing elevator is hydraulic, installed prior to the adoption of ASME A17.1-1996, and equipped with Phase I and Phase II firefighters' service in compliance with Rules 211.3 through 211.9. This exception does not apply to elevators being altered.

**Subp. 6. Other requirements.** Existing installations covered by subpart 1 must conform to the requirements of:

A. ASME A17.1-1996 Part X, Routine, Periodic, and Acceptance Inspections and Tests.

B. ASME A17.1-1996 Part XII, Alterations, Repairs, Replacements, and Maintenance.

Alterations must conform to the requirements of ASME A17.1-1996 Part XII or ASME A17.3-1996, whichever is more restrictive.

**Subp. 7. Compliance schedule.**

A. Where noncompliance with the applicable ASME code and its associated state amendments creates an imminent danger to persons or property, correction must be initiated immediately and the unit may not be placed into service until the correction is made or approval is granted by the authority having jurisdiction.

B. Where noncompliance with the applicable ASME code and its associated state amendments does not create an imminent danger, the owner or manager of the property shall submit for review and approval a time schedule for compliance with the authority having jurisdiction within 30 calendar days of receipt of notification by the authority having jurisdiction.

**Statutory Authority:** *MS s 16B.59 to 16B.75*

**History:** *15 SR 70; 23 SR 2051*

### 1307.0100 AMENDMENTS TO ASME A17.3-1996.

ASME A17.3 is amended as follows:

A. Door restrictive devices required by ASME A17.3-1996, Section 2.7.1 or access to the hoistway required by Section 2.7.3 may not be required unless an

alteration is initiated on the car or hoistway door in accordance with ASME A17.1-1996, Rule 111.12.

B. Firefighters' service required by ASME A17.3-1996, Section 3.11.3, is not required unless an alteration to the elevator or the installation of sprinklers in the machine room or hoistway is commenced in accordance with part 1307.0065, subpart 1, and ASME A17.1-1996, Section 102.2(c)(3).

**Statutory Authority:** *MS s 16B.59 to 16B.75*

**History:** *23 SR 2051*

**NOTE:** This part was originally adopted at 23 SR 2051 as 1307.0070. It was renumbered editorially.