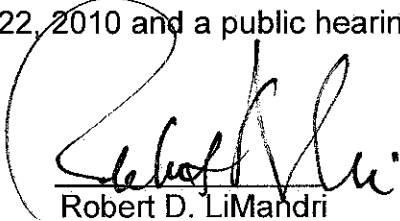


NOTICE OF ADOPTION OF RULE

NOTICE IS HEREBY GIVEN, pursuant to the authority vested in the Commissioner of the Department of Buildings by Section 643 of the New York City Charter and in accordance with Section 1043 of the Charter and Section 28-103.19 of the New York City Administrative Code, that the Department of Buildings hereby amends Section 3610-01 of Subchapter K of Chapter 3600 of Title 1 of the Official Compilation of the Rules of the City of New York, relating to the Safety Code for existing elevators and escalators.

This rule was first published on December 22, 2010 and a public hearing thereon was held on January 26, 2011.

Dated: 3/9/11
New York, New York


Robert D. LiMandri
Commissioner

Section 1. Section K301.1 of Chapter K3 of Section 3610-01 of Subchapter K of Chapter 3600 of Title 1 of the Rules of the City of New York is amended by adding a Section 2.1.2 to read as follows:

2.1.2 Windows in Hoistway Enclosures.

Delete and revise Section 2.1.2 to read as follows:

2.1.2 Windows in Hoistway Enclosures. Every hoistway-window opening ten (10) stories or fewer above a thoroughfare, and every such window opening three (3) stories or fewer above the roof of an adjacent building, shall be guarded by one of the following:

- (a) Vertical bars at least $\frac{5}{8}$ inch (16 mm) in diameter or equivalent, spaced not more than 10 inches (254 mm) apart, permanently and securely fastened in place; or**
- (b) Metal-sash windows having solid-section steel muntins of not less than $\frac{1}{8}$ inch (3.2 mm) thickness, spaced not more than 8 inches (203 mm) apart.**

Exterior hoistway-windows shall be marked with the word "SHAFTWAY" in red letters at least 6 inches (152 mm) high on a white background.

§ 2. Section 2.6.7 of Section K301.1 of Chapter K3 of Section 3610-01 of Subchapter K of Chapter 3600 of Title 1 of the Rules of the City of New York is amended to read as follows:

2.6.7 Bottom Guides.

Delete and revise Section 2.6.7 to read as follows:

2.6.7 Bottom Guides. Existing elevators in occupancy groups R-1, R-2 and E shall comply with the following requirements [within one (1) year from the effective date of this rule]:

- (a) The bottom of each horizontally sliding hoistway door panel shall be equipped with bottom guiding members and bottom safety retainers.**
 - (1) The bottom of each horizontally sliding hoistway elevator door panel shall be guided by two or more members as described in ASME A17.1 §2.11.11.6.**
 - (2) Safety Retainers – The bottom of each horizontally sliding hoistway elevator door panel shall be provided with a means of**

retaining the door panel in position if the primary guiding means fail, and preventing displacement of the bottom of the door panel by not more than 19 mm (0.75 in) into the hoistway. Such Retainers shall be installed on the bottom, shaft side of each door panel, shall be fabricated of at least twelve (12) gauge stainless or galvanized steel, and shall engage the corresponding sill member by not less than 9.5mm (0.375 in).

Exception: New elevator doors installed under the 1996/1997 or later editions of ASME A17.1.

(b) The door panels shall be structurally sound and in such condition that the guide(s) and retainer(s) may be securely attached.

(1) At least one bottom guide shall be installed near each end of every door panel.

(2) A safety retainer(s) totaling at least 203 mm (8 in) in length shall be installed between the two (2) outermost guides.

(3) On smaller sized door panels, where due to the width of the door panel, the space between the two (2) outermost bottom guides would be less than 203 mm (8 in), then either:

(i) The length of the retainer may be reduced to a minimum 102 mm (4 in); or

(ii) When only one (1) bottom guide is provided near the center of the door, a 102 mm (4 in) retainer shall be installed on each side of the bottom guide. If the space between the bottom guide and the edge of the door is less than four inches, the length of the retainer may be reduced to the amount of the space between the bottom guide and the edge of the door.

Exception: New elevator doors installed under the 1996/1997 or later editions of ASME A17.1.

§ 3. Section 3.5.6 of Section K301.1 of Chapter K3 of Section 3610-01 of Subchapter K of Chapter 3600 of Title 1 of the Rules of the City of New York is amended to read as follows:

3.5.6 Rail Lubricants and Lubrication Plate.

Delete and revise Section 3.5.6 to read as follows:

3.5.6 Rail Lubricants [and Lubrication Plate]. Rail lubricants or coatings that will reduce the holding power of the safety or prevent its functioning as required shall not be used.

§ 4. Paragraphs (p) and (q) of Section 3.10.4 of Section K301.1 of Chapter K3 of Section 3610-01 of Subchapter K of Chapter 3600 of Title 1 of the Rules of the City of New York are amended to read as follows:

(p) Emergency Stop Switch. On all [freight] elevators, [passenger elevators with perforated enclosures, and passenger elevators with nonperforated enclosures not provided with an in-car stop switch (see §3.10.4(t)),] an emergency stop switch shall be provided in the car, and located in or adjacent to each car operating panel. When [opened] open (i.e. the “stop position”), this switch shall cause the electric power to be removed from the elevator driving-machine motor and brake. Emergency stop switches shall:

(1) Be of the manual open and close type;

(2) Have red operating handles or buttons;

(3) Be conspicuously and permanently marked “STOP” and indicate the “STOP” and “RUN” positions; and

(4) When open, cause an audible signaling device to sound.

(q) Stop Switch in Pit. A stop switch, conforming to the following requirements [of §3.10.4(e)], shall be provided in the pit of every elevator. The switch shall be located adjacent to the normal pit access. The switch shall cause the electric power to be removed from the elevator driving machine motor and brake and shall:

(1) Be of the manual open and close type;

(2) Have red operating handles or buttons;

(3) Be conspicuously and permanently marked “STOP” and indicate the “STOP” and “RUN” positions; and

(4) Be positively opened mechanically and its opening shall not be solely dependent on a spring.

§ 5. Section 3.11.1 of Section K301.1 of Chapter K3 of Section 3610-01 of Subchapter K of Chapter 3600 of Title 1 of the Rules of the City of New York is amended to read as follows:

3.11.1 Car Emergency Signaling Devices.

Delete and revise Section 3.11.1 to read as follows:

3.11.1 Car Emergency Signaling Devices. Elevators shall be provided with the following signaling devices [within one (1) year from the effective date of this rule]:

(a) In all buildings, the elevator shall be provided with the following:

(1) An audible signaling device, operable from the emergency stop switch, and from a switch marked "ALARM" that is located in or adjacent to each car operating panel. The signaling device shall be located inside the building and audible inside the car and outside the hoistway. One signaling device may be used for a group of elevators.

(b) In buildings in which a building attendant (building employee, watchperson, etc.) is not continuously available to take action when the required emergency signal is operated, the elevators shall be provided with a means within the car for communicating with or signaling to a service which is capable of taking appropriate action when a building attendant is not available. [An emergency power system shall be provided conforming to the requirements of §3.11.1(a)(3).]

§ 6. Section 3.11.3 of Section K301.1 of Chapter K3 of Section 3610-01 of Subchapter K of Chapter 3600 of Title 1 of the Rules of the City of New York is amended as follows:

3.11.3 Firefighters' Service.

Delete and revise Section 3.11.3 to read as follows:

3.11.3 Firefighters' Service Operation in Existing Elevators.

Firefighters' service operation shall be installed in accordance with the New York City Building Code in all existing elevators serving any of the following:

(a) High rise buildings or buildings classified in occupancy group M except existing R-2.

(b) All buildings or buildings classified in occupancy group A, B, [C,] E, I or R-1 (except for "residential hotels," as such term is defined by the commissioner pursuant to rules and regulations).

§ 7. Section K301.1 of Chapter K3 of Section 3610-01 of Subchapter K of Chapter 3600 of Title 1 of the Rules of the City of New York is amended by adding Sections 4.5 and 4.5.2 to read as follows:

SECTION 4.5
TANKS

4.5.2 Pressure Tanks.

Delete Section 4.5.2 in its entirety.

Section 4.5.2 Reserved.

§ 8. Section K301.1 of Chapter K3 of Section 3610-01 of Subchapter K of Chapter 3600 of Title 1 of the Rules of the City of New York is amended by adding a Section 4.6 to read as follows:

SECTION 4.6
TERMINAL STOPPING DEVICES

4.6 Delete Section 4.6 in its entirety.

Section 4.6 Reserved.

§ 9. Section K301.1 of Chapter K3 of Section 3610-01 of Subchapter K of Chapter 3600 of Title 1 of the Rules of the City of New York is amended by adding Sections 4.7.1 through 4.7.3 to read as follows:

4.7.1 Operating Devices.

Delete Section 4.7.1 in its entirety.

Section 4.7.1 Reserved.

4.7.2 Top-of-Car Operating Devices.

Delete Section 4.7.2 in its entirety.

Section 4.7.2 Reserved.

4.7.3 Anticreep Leveling Devices.

Delete Section 4.7.3 in its entirety.

Section 4.7.3 Reserved.

§ 10. Section 4.7.4 of Section K301.1 of Chapter K3 of Section 3610-01 of Subchapter K of Chapter 3600 of Title 1 of the Rules of the City of New York is amended as follows:

4.7.4 Electrical Protective Devices.

[Delete Section 4.7.4 in its entirety.

Section 4.7.4 Reserved.]

Delete and revise Section 4.7.4 to read as follows:

4.7.4 Electrical Protective Devices. Where they apply to hydraulic elevators, the following electrical protective devices conforming to the requirements of §3.10.4 shall be provided:

(a) Stop switches in the pit; and

(b) Where such emergency doors are provided, in-car emergency exit door electric contacts.

Such devices shall prevent the operation of the elevator by the normal operating device and shall prevent the movement of the car in response to the anticreep leveling device.

§ 11. Section 5.3.7 of Section K301.1 of Chapter K3 of Section 3610-01 of Subchapter K of Chapter 3600 of Title 1 of the Rules of the City of New York is amended as follows:

5.3.7 Skirt Obstruction Device.

Delete and revise Section 5.3.7 as follows:

5.3.7 Skirt Obstruction Device. Escalators shall comply with the following no later than January 1, 2014: Means shall be provided to cause the electric power to be removed from the escalator driving machine motor and brake if an object becomes caught between the step and the skirt as the step approaches the upper combplate, intermediate device or lower combplate. On units having a run of 6.10 m (20 ft) or more, intermediate devices shall be provided on both sides of the escalator with devices located at interval of 3.05 m (10 ft) or less. The activation intermediate devices shall stop the escalator at a rate not greater than 0.91 m/s² (3 ft per sec²) in the direction of travel. The upper and lower combplate devices shall be located so that the escalator will stop before that object reaches the combplate. The activation of any skirt device shall stop the

escalator with any load up to full brake rated load with the escalator running.

§ 12. Section 5.3.12 of Section K301.1 of Chapter K3 of Section 3610-01 of Subchapter K of Chapter 3600 of Title 1 of the Rules of the City of New York is amended as follows:

5.3.12 Add new Section 5.3.12 to read as follows:

[5.3.12 Comb-Step Impact Devices. Devices shall be provided that will cause the opening of the power circuit to the escalator driving machine motor and brake if either:

- (a) A horizontal force not greater than 1 780 N (400 lbf) in the direction of travel is applied at either side, or not greater than 3 560 N (800 lbf) applied at the center of the front edge of the comb plate; or
- (b) A resultant vertical force not greater than 268 N (60 lbf) in the upward direction is applied at the center of the front of the comb plate.]

5.3.12 Comb-Plate Stop Device. A device shall be provided that will cause the opening of the power circuit to the escalator driving machine motor and brake where a resultant vertical force not greater than 268 N (60 lbf) in the upward direction is applied at the center of the front of the comb-plate.

§ 13. Section 9.6.12 of Section K301.1 of Chapter K3 of Section 3610-01 of Subchapter K of Chapter 3600 of Title 1 of the Rules of the City of New York is amended as follows:

9.6.12 Add new Section 9.6.12 to read as follows:

[9.6.12 Comb-Pallet Impact Devices. Devices shall be provided that will cause the opening of the power circuit to the moving walk driving-machine motor and brake if either:

- (a) A horizontal force not greater than 1 780 N (400 lbf) in the direction of travel is applied at either side, or not greater than 3 560 N (800 lbf) applied at the center of the front edge of the combplate; or
- (b) A resultant vertical force not greater than 268 N (60 lbf) in the upward direction is applied at the center of the front of the combplate. These devices shall be of the manual-reset type.]

9.6.12 Comb-Pallet Stop Device. A device shall be provided that will cause the opening of the power circuit to the moving walk driving-machine motor and brake when a resultant vertical force not greater than 268 N (60 lbf) in the upward direction is applied at the center of the front of the comb-plate.

STATEMENT OF BASIS AND PURPOSE

The foregoing amendments are promulgated pursuant to the authority of the Commissioner of Buildings under Sections 643 and 1043 of the New York City Charter and section 28-103.19 of the New York City Administrative Code.

The original rule adopted the uniform national reference standard ASME A17.3-2002, as modified by New York City, and incorporated various retroactive provisions from Subchapter 18 and Reference Standard RS-18 of Title 27 of the Administrative Code of the New York City (1968 NYC Building Code), thereby providing users of the New York City Construction Codes with one location in which to find all existing elevator and escalator minimum requirements.

This set of amendments makes technical corrections and clarifications to the original rule in order to facilitate proper, ongoing compliance with such rule and to maintain consistency with other applicable laws and regulations.