



Promulgation Details for 1 RCNY 3610-05

This rule amendment became effective on September, 28, 2018.

Since such date, one or more amendments have been made to this rule. Each rule amendment has its own effective date and Statement of Basis and Purpose.

Below you will find one or more rule amendments (the most recent appearing at the top), followed by the original rule.

The effective date of each amendment and the original rule can be found at the top of each "NOTICE OF ADOPTION OF RULE."

NEW YORK CITY DEPARTMENT OF BUILDINGS

NOTICE OF ADOPTION OF RULE

NOTICE IS HEREBY GIVEN, pursuant to the authority vested in the Commissioner of Buildings by Section 643 of the New York City Charter and in accordance with Section 1043 of the Charter, that the Department of Buildings hereby adopts the amendments to Chapter 3600 of Title 1 of the Rules of the City of New York regarding elevator emergency operation and signaling devices, elevator capacity and loading and the addition of a new rule regarding maintenance and testing of electric elevators. .

This rule was published in the City Record on July 29, 2022, and a public hearing thereon was held on August 30, 2022.

Dated: 9/28/22
New York, New York



Eric A. Ulrich
Commissioner

Statement of Basis and Purpose of Rule

Sections one through three of the rule repeal and replace sections 3610-03 and 3610-05 and repeal section 3610-04 of Title 1 of the Rules of the City of New York (RCNY), because those sections have been superseded by Chapter K1 of Appendix K of the 2022 Building Code and other sections of American Society of Mechanical Engineers (“ASME”) standard A17.1-2013, as modified by Chapter K1, need to be amended.

Section four of the rule adds a new section 3610-06 to Title 1 of the RCNY to update the provisions of section 8.6.4.20 of ASME standard A17.1-2013 to address issues with load weighing devices on elevators.

Section five of the rule makes it effective the same day as the 2022 Construction Codes.

The rule:

- repeals and replaces rules relating to emergency operation and signaling devices
- repeals rules relating to multicompartments elevators;
- repeals and replaces rules relating to capacity and loading;
- adds an exception to the section on overload detection and
- adds a new rule regarding rated load performance

The Department of Buildings’ authority for this rule is found in sections 643 and 1043 of the New York City Charter and section 28-103.19 of the New York City Administrative Code.

New material is underlined.

[Deleted material is in brackets.]

Asterisks (***) indicate unamended text.

“Shall” and “must” denote mandatory requirements and may be used interchangeably in the rules of this department, unless otherwise specified or unless the context clearly indicates otherwise.

Section 1. Section 3610-03 of Subchapter K of Chapter 3600 of Title 1 of the Rules of the City of New York, relating to Emergency Operation and Signaling Devices, is REPEALED and a new section 3610-03 is added to read as follows:

§ 3610-03 Emergency operation and signaling devices. Pursuant to Section 28-103.19 of the New York City Administrative Code, Section 2.27 of American Society of Mechanical Engineers A17.1-2013, as modified by Chapter K1 of Appendix K of the New York City Building Code, is hereby amended to read as follows:

SECTION 2.27
EMERGENCY OPERATION AND SIGNALING DEVICES

2.27.3 Firefighters' Emergency Operation: Automatic elevators.

Revise Section 2.27.3.1.6(m) to read as follows:

(m) No device that measures load shall prevent Phase I Emergency Recall Operation of the elevator.

Revise Section 2.27.3.3.1(l) to read as follows:

(l) No device that measures load shall prevent Phase II Emergency In-car Operation of the elevator.

Revise Section 2.27.3.3.7 to read as follows:

2.27.3.3.7 The "FIRE OPERATION" switch (2.27.3.3), the "CALL CANCEL" button (2.27.3.3.1(h)), and the visual signal (2.27.3.1.6(h)), shall be grouped together exposed and accessible, on the cover of the main car operating panel and shall be located more than 1 220 mm (48 in.) and less than 1 830 mm (72 in.) above the floor as measured to the centerline of the "CALL CANCEL" button, "FIRE OPERATION" switch and visual signal.

Delete Figure 2.27.3.3.7.

2.27.4 Firefighters' Emergency Operation: Nonautomatic elevators.

Revise the last sentence of Section 2.27.4.1 Phase I Emergency Recall Operation to read as follows:

No device, that measures load, shall prevent Firefighters' Emergency Operations for Non-automatic Elevators.

§2. Section 3610-04 of Subchapter K of Chapter 3600 of Title 1 of the Rules of the City of New York, relating to multicompartement elevators, is REPEALED.

§3. Section 3610-05 of Subchapter K of Chapter 3600 of Title 1 of the Rules of the City of New York, relating to elevator capacity and loading is REPEALED and a new section 3610-05 is added to read as follows:

§ 3610-05 Capacity and loading.

(a) New and altered elevator devices must comply with the requirements of this rule.

(b) Pursuant to Section 28-103.19 of the New York City Administrative Code, Section 2.16.10 of American Society of Mechanical Engineers A17.1-2013, as modified by Chapter K1 of Appendix K of the New York City Building Code, is amended to read as follows:

SECTION 2.16
CAPACITY AND LOADING

Revise Section 2.16.10 to read as follows:

2.16.10 Detection of Overload on Passenger Elevators and Freight Elevators Permitted by 2.16.4 to Carry Passengers.

Passenger elevators and freight elevators permitted by 2.16.4 to carry passengers must be designed with the means to detect if the load exceeds the rated capacity of the elevator. If an overload is detected, the elevator doors shall reopen and remain open and a voice notification and visual signal must indicate that the car is overloaded.

Exception: If Firefighters' Emergency Operations required in Sections 2.27.3 or 2.27.4 are initiated, the elevator shall operate in accordance with 2.27.3 or 2.27.4.

§4. Subchapter K of Chapter 3600 of Title 1 of the Rules of the City of New York is amended by adding a new Section 3610-06, to read as follows:

§ 3610-06 Maintenance, repair, replacement and testing. Pursuant to Section 28-103.19 of the New York City Administrative Code, Section 8.6.4.20 of American Society of Mechanical

Engineers A17.1-2013, as modified by Chapter K1 of Appendix K of the New York City Building Code, is amended to read as follows:

SECTION 8.6
MAINTENANCE, REPAIR, REPLACEMENT, AND TESTING

8.6.4 Maintenance and testing of electric elevators.

Add a new Section to 8.6.4.20 Periodic Test Requirements – Category 5

8.6.4.20.12 Rated Load Performance.

In order to successfully complete the periodic tests specified in 8.6.4.20.1 through 8.6.4.20.11, passenger elevators and freight elevators permitted by 2.16.4 to carry passengers shall perform with loads up to 100% of the rated load. When loads exceed 100% of the rated load by not more than 25%, the passenger elevators and freight elevators shall operate in accordance with 2.16.8. The entity performing the Category 5 test must verify compliance with 2.16.10, where required.

§5. This rule takes effect on November 7, 2022.

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, that the Department of Buildings hereby adopts the amendments to Subchapter K of Chapter 3600 of Title 1 of the Official Compilation of the Rules of the City of New York, regarding capacity and loading of elevators.

This rule was first published on April 19, 2018 and a public hearing thereon was held on May 21, 2018.

Dated:

8.21.18

New York, New York



Rick D. Chandler, P.E.
Commissioner

Statement of Basis and Purpose of Rule

The purpose of these rule amendments is to update requirements for the posting of information about elevator carrying capacity, and the detection and regulation of overloaded elevators.

The rule:

- adds a new requirement regarding posting of the number of persons permitted on a passenger elevator at one time;
- adds a new requirement that the weight required for a balanced load be indicated on the data plate; and
- adds a new rule regarding detection of overload on passenger and freight elevators.

The rule adds a new section 3610-05 to Title 1 of the RCNY to update the provisions of section 2.16 of American Society of Mechanical Engineers (“ASME”) standard A17.1-2000, and to add requirements for the information provided on plates. Further, the rule adds language regarding detection of overload on passenger and freight elevators in order to improve public safety.

The Department of Buildings’ authority for this rule is found in sections 643 and 1043 of the New York City Charter and section 28-103.19 of the New York City Administrative Code.

New material is underlined.

[Deleted material is in brackets.]

“Shall” and “must” denote mandatory requirements and may be used interchangeably in the rules of this department, unless otherwise specified or unless the context clearly indicates otherwise.

Subchapter K of Chapter 3600 of Title 1 of the Rules of the City of New York is amended by adding a new Section 3610-05, to read as follows:

§ 3610-05 Capacity and loading.

(a) New and altered elevator devices must comply with the requirements of this rule.

(b) Pursuant to Section 28-103.19 of the New York City Administrative Code, Sections 1.3 and 2.16 of American Society of Mechanical Engineers A17.1-2000, with supplements A17.1a-2002 and A17.1b-2003, as modified by Chapter K1 of Appendix K of the New York City Building Code, are amended to read as follows:

SECTION 1.3 **DEFINITIONS**

1.3 Add a new definition of “balanced load” as follows:

BALANCED LOAD. The amount of weight measured as a percentage of the car capacity that must be placed in the elevator such that the suspended load of the car side is equal to the suspended load of the counterweight side.

SECTION 2.16
CAPACITY AND LOADING

2.16.3.2 Information Required on Plates

Revise Section 2.16.3.2.1, and add a new Subsection (c) to Section 2.16.3.2.1, to read as follows:

2.16.3.2.1 Capacity plates must indicate the rated load of the elevator in pounds or kilograms and pounds (see Appendix D). In addition, this plate or a separate plate must indicate

(a) the capacity lifting one-piece loads where the elevator conforms to 2.16.7;

(b) for freight elevators designed for Class C2 loading, the maximum load the elevator is designed to support while being loaded or unloaded (see 2.16.2.2.4(c)); and

(c) Calculated per Appendix D, the number of persons on passenger elevators and freight elevators permitted by 2.16.4 to carry passengers.

Add new Subsection (f) to Section 2.16.3.2.2 to read as follows:

(f) the weight required for balanced load

Add new Section 2.16.10 to read as follows:

2.16.10 Detection of Overload on Passenger Elevators and Freight Elevators Permitted by 2.16.4 to Carry Passengers.

Passenger elevators and freight elevators permitted by 2.16.4 to carry passengers must be designed with the means to detect if the load exceeds the rated capacity of the elevator. If an overload is detected, the elevator doors must reopen and remain open and a voice notification and visual signal must indicate that the car is overloaded.