



City of Chicago



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Meeting Date: 2/28/2018

Sponsor(s): Emanuel (Mayor)

Type: Ordinance

Title: Amendment of Municipal Code Titles 1, 2, 4, 7,13, 14 and 18 regarding building code requirements and related technical corrections for elevators and other conveyance devices

Committee(s) Assignment: Committee on Zoning, Landmarks and Building Standards

201



OFFICE OF THE MAYOR
CITY OF CHICAGO

RAHM EMANUEL
MAYOR

February 28, 2018

TO THE HONORABLE, THE CITY COUNCIL
OF THE CITY OF CHICAGO

Ladies and Gentlemen:

At the request of the Commissioner of Buildings, I transmit herewith an ordinance updating various building code requirements for elevators and other conveyance devices and making technical corrections.

Your favorable consideration of this ordinance will be appreciated.

Very truly yours,

A handwritten signature in cursive script that reads "Rahm Emanuel".

Mayor

ORDINANCE

BE IT ORDAINED BY THE CITY COUNCIL OF THE CITY OF CHICAGO:

This ordinance is organized into six Articles, as follows:

Article I.	2018 Conveyance Device Code
Article II.	Conforming Amendments
Article III.	Repeal of Prior Requirements
Article IV.	Sanitary Requirements
Article V.	Technical Corrections to Building Code
Article VI.	Effective Dates

ARTICLE I: 2018 CONVEYANCE DEVICE CODE

SECTION 1. The Municipal Code of Chicago is hereby amended by inserting a new Title 14C, as follows:

TITLE 14C CONVEYANCE DEVICE CODE

SECTION 2. The Municipal Code of Chicago is hereby amended by inserting a new Chapter 14C-1, as follows:

CHAPTER 14C-1 SCOPE AND ADMINISTRATION

14C-1-101 General

14C-1-101.1 Title.

This Title 14C shall be known as the "Conveyance Device Code" of the City of Chicago, hereinafter referred to as "this code."

14C-1-101.2 Scope.

The provisions of this code govern the design, construction, installation, alteration, maintenance, and repair of conveyance devices and their components.

14C-1-101.3 Intent.

The purpose of this code is to establish the minimum standards to provide a reasonable level of safety, health, property protection and public welfare by regulating and controlling the design, construction, installation, alteration, maintenance, and repair of conveyance devices and their components.

14C-1-101.4 Responsibility.

The following persons are responsible for the safety of a conveyance device regulated by this code and shall comply with the requirements of this code: the owner of the real property on which the conveyance device is located; any lessee of the real property on which the conveyance device is located; the real property owner or lessee's agent; the owner of the conveyance device; any lessee of the conveyance device; the conveyance device owner or lessee's agent; and any person charged with managing, controlling, or reporting on the conveyance device within the scope of services provided by such person pursuant to a contract.

14C-1-102 Applicability.

14C-1-102.1 General.

Where there is a conflict between a general requirement and a specific requirement of this code, the specific requirement shall govern. Where, in any specific case, different sections of this code specify different materials, methods of construction or other requirements, the most restrictive shall govern.

14C-1-102.2 Existing installations.

Conveyance devices lawfully installed at the time of the adoption of this code shall be permitted to have their use and maintenance continued if the use, maintenance or repair is in accordance with the original design and hazard to life, health or property is not created by such conveyance device.

14C-1-103 Inspections.

14C-1-103.1 General.

Every conveyance device now in operation, or which may hereafter be installed, together with the hoistway and all equipment thereof, shall be inspected under the authority or pursuant to the mandate of the authority having jurisdiction as often as the authority

having jurisdiction deems necessary, and in no case shall any new conveyance device be placed in operation until an initial acceptance inspection of such conveyance device has been made.

Exceptions:

(1) Mechanical amusement riding devices shall be inspected in accordance with section 13-20-090.

(2) Platform lifts and stairway chairlifts installed within a private residence shall not require an initial inspection or periodic inspections. The person responsible for such a conveyance device may request an inspection by the authority having jurisdiction, subject to payment of a \$100.00 inspection fee. If the device passes the inspection and tests, the authority having jurisdiction shall cause a certificate to be issued stating that the device passed all inspections and tests. The certificate shall be valid for one year.

14C-1-103.2 Duty to allow inspection.

It shall be the duty of every person responsible for the conveyance device within the meaning of section 14C-1-101.4, or occupant of any building in which any such conveyance device is installed, and of the person in charge or control of any such conveyance device, to allow the testing and inspection of such conveyance device, and all equipment used in connection therewith, within five days after a demand for testing and inspection is made by the authority having jurisdiction.

14C-1-103.3 Submission of required documents.

If, pursuant to the requirements of section 2-22-040(8) or section 13-20-014, the authority having jurisdiction authorizes a mandated inspection of any equipment regulated by this code, the owner of the building in which such equipment is located shall comply with the requirements set forth in section 13-20-014 and with all applicable rules. For purposes of this section, the term "owner" shall have the meaning ascribed to the term in section 13-4-010.

14C-1-103.4 Permit inspections.

If a permit is required for any conveyance device, the person responsible for such conveyance device shall pre-test such conveyance device in advance of any initial acceptance inspection to ensure that such conveyance device is fully operational prior to the time of inspection. If the pre-test indicates that the conveyance device will not be fully operational at the time scheduled for the initial acceptance inspection, the person responsible for the conveyance device shall, at least two business days in advance of the scheduled initial acceptance inspection, cancel such scheduled inspection by notifying the authority having jurisdiction in writing.

14C-1-104 Certificate of compliance.

14C-1-104.1 General.

No person responsible for any conveyance device regulated by this code, as defined in section 14C-1-101.4, shall operate or cause to be operated any conveyance device unless a certificate of compliance has been issued by the authority having jurisdiction and is posted or kept in accordance with this section.

Exception: Mechanical amusement riding devices shall be inspected in accordance with section 13-20-090.

Whenever any conveyance device has been inspected under the authority or pursuant to the mandate of the authority having jurisdiction and the tests herein required shall have been made of all safety devices with which such conveyance device is required to be equipped and the result of such inspection and tests show such conveyance device to be in good condition, and that such safety devices are in good working condition and in good repair, the authority having jurisdiction shall issue or cause to be issued a certificate setting forth the result of such inspection and tests and containing: the date of inspection; the weight which such equipment will safely carry; and a statement to the effect that the shaft doors, hoistway, and all equipment, including safety devices, comply with all applicable provisions of this code, subject to payment of the required inspection fee.

Where any inspection or test shows that a conveyance device is in an unsafe condition or in bad repair, or that any required safety device has not been installed or, if installed, is not in good working order or not in good repair, a certificate of compliance shall not be issued until such conveyance device, or such safety device has been put in good working order.

Nothing in this section shall prohibit the authority having jurisdiction from issuing a conditional certificate of compliance for a conveyance device undergoing repairs.

14C-1-104.2 Posting.

14C-1-104.2.1 Elevators.

It shall be the joint and several duty of all persons responsible for an elevator to frame such certificate of compliance and to place such framed certificate in a conspicuous place in the elevator to which the certificate applies.

14C-1-104.2.2 Conveyance devices other than elevators.

Certificates issued under this section for any conveyance device other than an elevator shall be kept on site by the owner, agent, lessee, occupant or person in

charge or control of such equipment and, upon request by a city inspector or other authorized person, shall be made available for inspection by such city inspector or other authorized person.

14C-1-104.3 Forgery, alteration, or defacement.

14C-1-104.3.1 Prohibition.

It shall be unlawful for any person to forge, alter, deface or modify, or to cause to be forged, altered, defaced or modified, a certificate of compliance issued or caused to be issued by the authority having jurisdiction.

14C-1-104.3.2 Duty to report.

It shall be the duty of the person responsible for the conveyance device to immediately notify the authority having jurisdiction if any certificate of compliance has been altered, defaced or modified in any way.

14C-1-104.3.3 Penalty.

Any person who violates any requirement of this section shall be fined not less than \$2,000.00 and not more than \$5,000.00 for each offense. Each day that a violation continues shall constitute a separate and distinct offense to which a separate fine shall apply.

14C-1-105 [Reserved.]

14C-1-106 Unsafe conditions.

14C-1-106.1 Duty to report.

Whenever any inspector finds any conveyance device in an unsafe condition, the inspector shall immediately report the same to the authority having jurisdiction, together with a statement of all the facts relating to the condition of such conveyance device.

14C-1-106.2 Authority to prohibit operation.

Upon receiving such a report, the authority having jurisdiction shall order the operation of such conveyance device to be stopped and to remain inoperative until it has been placed in a safe condition.

14C-1-106.2.1 Notice.

The authority having jurisdiction shall post or cause to be posted a conspicuous written notice prohibiting operation of the conveyance device on or adjacent to the conveyance device. The authority having jurisdiction may order persons responsible for the conveyance device to post such notice.

14C-1-106.2.2 Duration.

The prohibitions set forth in this subsection shall remain in effect until such time that the authority having jurisdiction determines that the unsafe equipment identified in the order or notice has been restored to a safe and proper condition as required by the provisions of this code and the order to cease operation of the equipment is lifted or otherwise released by the authority having jurisdiction.

14C-1-106.2.3 Violation prohibited.

It shall be unlawful for any person to violate an order to cease operation of unsafe equipment issued under this section; to remove or modify any notice posted pursuant to this section without permission from the authority having jurisdiction, or to permit or allow any equipment identified in such order to be used or to remain in use or to be placed back into operation without permission from the authority having jurisdiction.

14C-1-106.2.4 Penalty.

Any person who violates any requirement of this section shall be fined not less than \$10,000.00 and not more than \$50,000.00 for each offense. Each day that a violation continues shall constitute a separate and distinct offense to which a separate fine shall apply. In addition to the fine prescribed in this subsection, any person who violates any requirement of this section where such violation results in the death or injury of any person shall be subject to a term of imprisonment for a period of not less than 7 days and not more than 6 months under the procedures set forth in Section 1.2-1.1 of the Illinois Municipal Code, as amended, and under the provisions of the Illinois Code of Criminal Procedure, as amended.

14C-1-107 Mandatory incident reporting.

14C-1-107.1 Serious incidents.

It shall be the joint and several duty of all persons responsible for a conveyance device regulated by this code to report to the authority having jurisdiction within 24 hours any incident involving the conveyance device which results in:

1. an injury to a person resulting in a response by emergency medical personnel
2. the death of a person
3. damage to the conveyance device requiring a repair permit
4. damage to the conveyance device due to fire or water

The conveyance device shall not be placed in service for public use until the authority having jurisdiction inspects the equipment and determines in writing whether the incident was caused by any defect in the equipment. If a defect in the equipment is identified, the conveyance device shall not be placed in service for public use until:

1. a permit is obtained from the authority having jurisdiction to repair the defect
2. the conveyance device passes an inspection by the authority having jurisdiction, and
3. all required permit, testing, and inspection fees have been paid.

14C-1-107.2 Elevator entrapment.

It shall be the joint and several duty of all persons responsible for an elevator regulated by this code to report to the authority having jurisdiction within 24 hours any incident involving the elevator which results in a person being detained within an inoperable or malfunctioning elevator for more than 30 minutes.

SECTION 3. The Municipal Code of Chicago is hereby amended by inserting a new Chapter 14C-2, as follows:

CHAPTER 14C-2 DEFINITIONS

14C-2-201 General.

14C-2-201.1 Scope.

Unless otherwise expressly stated, the following words and terms shall, for the purposes of this code, have the meanings indicated in this chapter.

If a word or term is defined in this chapter and in a document adopted by reference in this code, the definition found in this chapter shall supersede any definition included in the document adopted by reference.

14C-2-201.2 Terms defined in other titles.

Where a word or term is not defined in this code and is defined in Title 1, 13, 14E or 18 of the Municipal Code of Chicago, such word or term shall have the meaning ascribed to it in that other title.

14C-2-202 General Definitions.

AUTHORITY HAVING JURISDICTION or AHJ. The commissioner of buildings.

CONVEYANCE DEVICE. An elevator, escalator, dumbwaiter, moving walk, or material lift; platform lift, stairway chairlift or wheelchair lift; personnel hoist or employee elevator; material hoist; belted manlift; conveyor and related equipment; industrial scissor lift; adjustable loading platform; permanent window washer platform; automotive lift; movable stage or orchestra floor; mechanical amusement riding device; or similar system or device.

ELEVATOR MECHANIC CONTRACTOR. A person licensed in accordance with Chapter 4-298.

MECHANICAL AMUSEMENT RIDING DEVICE. Any mechanized device or combination of devices, including electrical equipment which is an integral part of the device or devices, which carries one or more passengers along, around, or over a fixed or restricted course for the primary purpose of giving its passengers amusement, pleasure, thrills, or excitement.

REGULATORY AUTHORITY. The commissioner of buildings.

SECTION 4. The Municipal Code of Chicago is hereby amended by inserting a new Chapter 14C-3, as follows:

**CHAPTER 14C-3
ELEVATORS, ESCALATORS, DUMBWAITERS, MOVING WALKS, MATERIAL LIFTS, AND
DUMBWAITERS WITH AUTOMATIC TRANSFER DEVICES**

14C-3-0.1 Adoption of the Safety Code for Elevators and Escalators by reference.

The American Society of Mechanical Engineers' ASME A17.1, *Safety Code for Elevators and Escalators*, 2016 edition as reissued on January 16, 2017 to address errata (hereinafter known as ASME A17.1), is adopted by reference and shall be considered part of the requirements of this chapter, except as modified by specific provisions of this code.

If differences occur between a provision modified by this code and a provision adopted without modification, the modified provision shall control.

14C-3-0.2 Citations.

Provisions of ASME A17.1 which are incorporated into this chapter by reference may be cited as follows:

14C-3-[ASME A17.1 section number]

14C-3-1.0 General.

The provisions of Part 1 of ASME A17.1 are adopted by reference with the following modification:

1. Revise the definition of "installation, existing" in section 1.3 to read:

"installation, existing: an installation that was legally permitted by the authority having jurisdiction prior to the effective date of this ordinance."

14C-3-2.0 Electric elevators.

The provisions of Part 2 of ASME A17.1 are adopted by reference with the following modifications:

1. Revise subsection 2.3.2.1, exception (a), by inserting the following language at the end of the exception:

"Where compensation means is not steel ropes, marking shall be provided which consist of alternating 50 mm (2 in.) diagonal red and white stripes on pit floor where a guard is

not provided. In addition, sign(s) with the words "DANGER COUNTERWEIGHTS" shall be prominently posted on the wall and visible from the bottom of the pit ladder."

2. Revise subsection 2.12.7.1.1 to read:

"Hoistway access switches shall be provided at the lowest landing when a separate pit access door is not provided and at the top landing."

3. Delete subsection 2.12.7.1.2.

4. Revise subsection 2.12.7.1.3 to read:

"Additional hoistway access switches shall be permitted at other landings."

5. Revise the first sentence of subsection 2.27.1.2 to read:

"A pushbutton marked "ALARM" shall be provided in each car operating panel located at 900 mm (35 in.) above the floor."

6. Revise subsection 2.27.3.1.1, item c to read:

"(c) located at 6'-6" above the floor in the left door jamb of the elevator entrance. Where there is more than one elevator in a group of elevators, the leftmost elevator shall contain the switch."

7. Revise subsection 2.27.3.2.1 to read:

"Fire alarm initiating devices used to initiate Phase I Emergency Recall Operation shall be provided as follows:

(a) A smoke detector in each elevator landing lobby, or water flow switches that are part of an approved fire sprinkler system

(b) A smoke detector in each associated elevator machine room, control space or control room.

All smoke detectors shall be installed in conformance with the requirements of NFPA 72. New smoke detector systems shall be of the addressable type. Expansion of existing systems shall be permitted, and shall have zone-annunciated devices. A separate smoke detector system, dedicated solely to initiating Phase I Emergency Recall Operation, is not required to notify the Fire Department via the Central Monitoring Station or the City Tie Fire Alarm Box. Where required, smoke detector systems, in addition to initiating Phase I Emergency Recall Operation, shall notify the Fire Department via the Central Monitoring station or the City Tie Fire Alarm Box."

8. Revise subsection 2.27.4.2(a) to read:

"Fire alarm initiating devices shall be installed as provided in 2.27.3.2.1."

9. Revise subsection 2.27.10 to read:

"2.27.10 Fire Command Center

Where a fire command panel (fire command center) is required by Section 13-76-030, and a separate elevator control panel is provided, the location of the elevator control panel shall be approved by the Fire Department.

Each elevator or group of elevators covered by the elevator control panel shall have the following information, devices and controls provided:

- (a) device(s) indicating "Available for Fire Service" for each elevator
- (b) position indication for each elevator
- (c) car direction arrow for each elevator
- (d) standby power status indicators
- (e) standby power selection switch(es)
- (f) fire service status (Phase I status per group or elevator)
- (g) clear information, or a diagrammatic representation of the building, showing the location of each elevator
- (h) a two-position Phase I switch per 2.27.3.2

Video display monitors may not be used to meet these requirements."

10. Insert a new subsection 2.29.3 to read:

"2.29.3. Identification in high rise buildings.

In high rise buildings, additional identification markings shall be provided in accordance with 14C-4-2.9."

14C-3-3.0 Hydraulic elevators.

The provisions of Part 3 of ASME A17.1 are adopted by reference without modification.

14C-3-4.0 Elevators with other types of driving machines.

The provisions of Part 4 of ASME A17.1 are adopted by reference with the following modification:

1. Delete section 4.3.

14C-3-5.0 Special application elevators.

The provisions of Part 5 of ASME A17.1 are adopted by reference without modification.

14C-3-6.0 Escalators and moving walks.

The provisions of Part 6 of ASME A17.1 are adopted by reference without modification.

14C-3-7.0 Dumbwaiters and material lifts.

The provisions of Part 7 of ASME A17.1 are adopted by reference without modification.

14C-3-8.0 General requirements.

The provisions of Part 8 of ASME A17.1 are adopted by reference with the following modifications:

1. Delete section 8.4.
2. Delete section 8.5.
3. Revise the first sentence of subsection 8.6.1.2.2 to read:

“The following documents specified in 8.6.1.2.2(a), (b), (c), and (e) shall be written and permanently kept on-site in the machine room, machinery space, control room, control space, or in the means necessary for test (2.7.6.4) in hard copy for each unit for elevator personnel.”
4. Revise subsection 8.6.1.2.2, by inserting a new item (e) to read:

“(e) For the most recent 5 years or from the date of installation or adoption of this Code edition, whichever is less, signed written reports of:

 - (1) periodic inspections required by 8.11.1.1
 - (2) periodic tests required by 8.11.1.2.”
5. Revise subsection 8.7.1.1, item (c) to read:

“Chapter 14C-4 when a modernization permit is required for the work.”
6. Revise subsection 8.7.2.17 by inserting a new subsection to read:

“8.7.2.17.4 Any Change in Rise or Rated Speed. Any change in travel or rated speed of a winding drum machine not conforming to Requirement 2.24.1 shall require replacement of the driving machine with a traction type machine conforming to 8.7.2.25 or a hydraulic driving machine conforming to 8.7.3.23.”
7. Revise subsection 8.7.2.27.4(a), by inserting a new item (6) to read:

“(6) Any change in travel or rated speed of a winding drum machine not conforming to Requirement 2.24.1 shall require replacement of the driving machine with a traction type machine conforming to 8.7.2.25 or a hydraulic driving machine conforming to 8.7.3.23.”

8. Revise subsection 8.7.2.27.5, by inserting a new item (o) to read:
- “(o) Any change in travel or rated speed of a winding drum machine not conforming to Requirement 2.24.1 shall require replacement of the driving machine with a traction type machine conforming to 8.7.2.25 or a hydraulic driving machine conforming to 8.7.3.23.”
9. Revise subsection 8.7.2.27.6, by inserting a new item (q) to read:
- “(q) Any change in travel or rated speed of a winding drum machine not conforming to Requirement 2.24.1 shall require replacement of the driving machine with a traction type machine conforming to 8.7.2.25 or a hydraulic driving machine conforming to 8.7.3.23.”
10. Revise subsection 8.10.3.2.2, item (z) to read:
- “(z) *Hydraulic Cylinders (Item 2.36)*. For plunger stops [Item 3.4.3(a)], verify that a stop ring has been provided as required by 3.18.4.1.1 by inching the car against the stop ring from outside the car (not from the car top).”
11. Revise subsection 8.11.1.1 to read:
- “The inspector shall meet the qualification requirements of the authority having jurisdiction as set forth in rules.”
12. Revise subsection 8.11.1.1.1 to read:
- “8.11.1.1.1. Periodic Inspections.**
- (a) Periodic inspections shall be made by an inspector employed by the authority having jurisdiction or by a person authorized by the authority having jurisdiction.
- (b) The inspector shall submit a signed written report within five (5) business days of the completion of the inspection to the owner containing the following information:
- (1) date of inspection(s)
 - (2) components or systems that have not been inspected
 - (3) code deficiencies noted during the inspection and the statement as to corrective action taken if any
 - (4) any additional information or form mandated by rule of the authority having jurisdiction
13. Revise subsection 8.11.1.1.2 to read:
- “8.11.1.1.2. Periodic Tests.**
- (a) Periodic tests as required in 8.6 shall be performed by an elevator mechanic contractor. These tests shall be self-certified.
- (b) The elevator mechanic contractor shall submit a signed written report to the owner containing the following information:

- (1) date of inspection(s)
- (2) type of test(s) performed
- (3) detailed results of the test(s) including, but not limited to, speed, governor trip speed, safety slide distance, relief valve setting, escalator/moving walk brake, torque setting, etc.
- (4) code deficiencies noted during the test
- (5) statement as to corrective action taken if any
- (6) any additional information or form mandated by rule of the authority having jurisdiction"

14C-3-9.0 Reference codes, standards, and specifications.

The provisions of Part 9 of ASME A17.1 are adopted by reference without modification.

14C-3-10.0 Appendices.

The nonmandatory appendices of ASME A17.1 are not adopted. The authority having jurisdiction shall establish mandatory inspection and testing intervals. The authority having jurisdiction shall consider, but is not bound to follow, the recommended intervals in nonmandatory Appendix N of ASME A17.1.

SECTION 5. The Municipal Code of Chicago is hereby amended by inserting a new Chapter 14C-4, as follows:

CHAPTER 14C-4 EXISTING ELEVATORS, ESCALATORS, DUMBWAITERS, MOVING WALKS, MATERIAL LIFTS, AND DUMBWAITERS WITH AUTOMATIC TRANSFER DEVICES

14C-4-0.1 Adoption of the Safety Code for Existing Elevators and Escalators by reference.

The American Society of Mechanical Engineers' ASME A17.3, *Safety Code for Existing Elevators and Escalators*, 2015 edition (hereinafter known as ASME A17.3), is adopted by reference and shall be considered part of the requirements of this chapter, except as modified by specific provisions of this code.

If differences occur between a provision modified by this code and a provision adopted without modification, the modified provision shall control.

14C-4-0.2 Citations.

Provisions of ASME A17.3 which are incorporated into this chapter by reference may be cited as follows:

14C-4-[ASME A17.3 section number]

14C-4-1.0 General.

The provisions of Part I of ASME A17.3 are adopted by reference with the following modification:

1. Revise section 1.2 to read:

"There are specific requirements for existing installations in this chapter that differ from those found in Chapter 14C-3 or earlier requirements for the design and installation of conveyance devices in the City of Chicago. Existing installations, as a minimum, shall meet the requirements of this chapter, Chapter 14C-3, or Chapter 14C-5. If an existing installation does not meet the requirements of this chapter, it shall be upgraded. If an existing installation was required to meet more stringent requirements, it shall continue to meet those requirements.

Existing installations shall also meet the following requirements in Chapter 14C-3:

- (a) Section 14C-3-8.1, Security.
- (b) Section 14C-3-8.6, Maintenance, Repair, and Replacement.
- (c) Section 14C-3-8.7, Alterations. Alterations, if made, shall conform to the applicable requirements of this Section. The applicable requirements in Section 14C-3-8.7 could be more stringent than the requirements in this chapter. The more stringent of the two shall be adhered to.
- (d) Section 14C-3-8.9, Code Data Plate.
- (e) Section 14C-3-8.10, Acceptance Inspections and Tests. Altered equipment shall comply with the applicable inspection and test requirements of this Section.
- (f) Section 14C-3-8.11, Periodic Inspections and Tests."

14C-4-2.0 Hoistways and related construction for electric elevators.

The provisions of Part II of ASME A17.3 are adopted by reference with the following modifications:

1. Delete subsection 2.7.1(c).
2. Insert a new section 2.9 to read:

"2.9. Identification

2.9.1. Identification of Equipment. In buildings over 80 feet above grade, each elevator in the building shall be assigned a unique alphabetical or numerical identification. The identification shall be permanently marked in contrasting color lettering or numbering as follows:

- (a) within each car near the fire recall switch, no less than 6 mm (0.25 in.) in height
- (b) adjacent to or on every elevator entrance on every level, no less than 25 mm (1.0 in.) in height
- (c) adjacent to or on every elevator entrance at the designated level, no less than 75 mm (3.0 in.) in height.

2.9.2. Identification of Floors. In buildings over 80 feet above grade, the floor level shall be permanently marked in contrasting color lettering or numbering adjacent to or on every elevator entrance on every level, no less than 25 mm (1.0 in.) in height.”

14C-4-3.0 Machinery and equipment for electric elevators.

The provisions of Part III of ASME A17.3 are adopted by reference with the following modification:

1. Revise subsection 3.11.3 to read:

“3.11.3. Firefighters’ Operation

(a) Effective January 1, 2017, all existing elevators with Phase II Emergency In-Car Operation shall either comply with:

- (1) 14C-3-2.27.3 through 14C-3-2.27.8
- (2) all of the applicable requirements of the Chicago Building Code in existence at the time the existing elevator was equipped or required to be equipped with Firefighters’ Emergency Operation and all of the requirements set forth in section 18-30-2610 of the Chicago Building Code adopted on January 10, 2001, and appearing in the Journal of Council Proceedings on page 50236 of that date.

Provided, however, that if, at the time an existing elevator was installed or altered, the Chicago Municipal Code did not require that such existing elevator be equipped with a fire alarm initiating device, nothing in this section or in Section 18-30-2610 of the Chicago Building Code adopted on January 10, 2001, as referenced in item (2) of this subsection, shall be construed to require the installation of a fire alarm initiating device in such existing elevator until such time that an alteration is made to such existing elevator and 14C-3-8.7 requires a fire alarm initiating device to be installed.

(b) This section may be enforced by the authority having jurisdiction or fire department.”

14C-4-4.0 Hydraulic elevators.

The provisions of Part IV of ASME A17.3 are adopted by reference without modification.

14C-4-5.0 Escalators.

The provisions of Part V of ASME A17.3 are adopted by reference without modification.

14C-4-6.0 Dumbwaiters.

The provisions of Part VI of ASME A17.3 are adopted by reference without modification.

14C-4-7.0 Hand elevators.

The provisions of Part VII of ASME A17.3 are adopted by reference without modification.

14C-4-8.0 Sidewalk elevators.

The provisions of Part VIII of ASME A17.3 are adopted by reference without modification.

14C-4-9.0 Moving walks.

The provisions of Part IX of ASME A17.3 are adopted by reference without modification.

14C-4-10.0 Private residence elevators.

The provisions of Part X of ASME A17.3 are adopted by reference without modification.

14C-4-11.0 Appendices.

The nonmandatory appendices of ASME A17.3 are not adopted.

SECTION 6. The Municipal Code of Chicago is hereby amended by inserting a new Chapter 14C-5, as follows:

**CHAPTER 14C-5
ALTERNATIVE PERFORMANCE-BASED REQUIREMENTS
FOR ELEVATORS AND ESCALATORS**

14C-5-0.1 Adoption of the Performance-Based Safety Code for Elevators and Escalators by reference.

The American Society of Mechanical Engineers' ASME A17.7, *Performance-Based Safety Code for Elevators and Escalators*, 2007 edition (hereinafter known as ASME A17.7) is adopted by reference and shall be considered part of the requirements of this chapter, except as modified by specific provisions of this code.

If differences occur between a provision modified by this code and a provision adopted without modification, the modified provision shall control.

14C-5-0.2 Citations.

Provisions of ASME A17.7 which are incorporated into this chapter by reference may be cited as follows:

14C-5-[ASME A17.7 section number]

14C-5-0.3 Additional procedural requirements for approval.

A Certificate of Conformance to A17.7 shall not be valid unless reviewed and approved by the Committee and Standards and Tests as provided in Chapter 13-16.

14C-5-1.0 General.

The provisions of Part 1 of ASME A17.7 are adopted by reference without modification.

14C-5-2.0 Safety requirements.

The provisions of Part 2 of ASME A17.7 are adopted by reference without modification.

14C-5-3.0 Global essential safety requirements.

The provisions of Part 3 of ASME A17.7 are adopted by reference without modification.

14C-5-4.0 Safety parameters.

The provisions of Part 4 of ASME A17.7 are adopted by reference without modification.

14C-5-5.0 Reference codes and standards.

The provisions of Part 5 of ASME A17.7 are adopted by reference without modification.

14C-5-6.0 Appendices.

Mandatory Appendix I of ASME A17.3 is adopted by reference without modification.

The nonmandatory appendices of ASME A17.7 are not adopted.

SECTION 7. The Municipal Code of Chicago is hereby amended by inserting a new Chapter 14C-6, as follows:

**CHAPTER 14C-6
PLATFORM LIFTS AND STAIRWAY CHAIRLIFTS**

14C-6-010 Adoption of the Safety Standard for Platform Lifts and Stairway Chairlifts by reference.

The American Society of Mechanical Engineers' ASME A18.1 *Safety Standard for Platform Lifts and Stairway Chairlifts*, 2014 edition (hereinafter known as ASME A18.1) is adopted by reference and shall be considered part of the requirements of this chapter, except as modified by specific provisions of this code.

SECTION 8. The Municipal Code of Chicago is hereby amended by inserting a new Chapter 14C-7, as follows:

**CHAPTER 14C-7
AUTOMOTIVE LIFTS**

14C-7-010 Scope.

This chapter regulates the design, construction, installation, alteration and maintenance of automotive lifts, hereinafter referred to as "equipment."

14C-7-020 [Reserved.]

14C-7-030 Existing installations.

Except as otherwise provided for in this chapter, no provision in this chapter shall require the removal, alteration or abandonment of, nor prevent the continued use and maintenance of, an existing installation.

14C-7-040 Definitions.

For the purposes of this chapter, the following words and terms shall have the meanings indicated in this section.

"ALCTV" means ALI ALCTV-2016: Standard for Automotive Lifts – Safety Requirements for Construction, Testing, and Validation, published by Automotive Lift Institute, Inc.

"Automotive lift" or "equipment" means equipment designed to deposit a motor vehicles in a parking space by moving the motor vehicles vertically above floor level on a pallets or platforms equipped with tracks, channels or similar devices to hold the vehicle's wheels, not the vehicle frame or designated support points, in place while the vehicle is being moved vertically.

"Critical operating control" means any electric or hydraulic control the purpose of which is to prevent the unintended movement of equipment.

"Eligible user" means any person trained by the manufacturer or owner of the equipment to operate the equipment in accordance with the equipment manufacturer's written instructions. The term includes qualified personnel and the authority having jurisdiction.

"Existing installation" means any equipment lawfully in existence on June 8, 2005.

"Manual operating" means any equipment or device where continuous pressure on an operating control is required to cause the equipment to move vertically.

"Pallet" means any part of the equipment where vehicles are placed for parking.

"Qualified personnel" means any person authorized by Section 14C-7-160 to install, alter, repair, test, maintain or otherwise work on equipment.

"Safety switch" means an electrical switch having normally closed contact(s) which are positively opened by the action of a switch actuator and where the opening of the contact(s) is not dependent upon springs.

"Vehicle" means a motorized vehicle with not more than four wheels.

14C-7-050 [Reserved]

14C-7-060 Equipment – General design requirements.

- (1) All equipment shall be designed in accordance with the requirements of ALCTV, and shall be certified by the manufacturer for compliance with ALCTV.
- (2) All equipment shall be designed in such a manner that it is unnecessary for any person to be in the vehicle or on any pallet in order for the equipment to operate as intended.
- (3) All equipment shall be designed to move a vehicle above floor level only.
- (4) All equipment operating devices intended for eligible users shall be designed to minimize the possibility of unauthorized persons using the equipment.

14C-7-070 Electrical control equipment – General design requirements.

- (1) All electrical control equipment and wiring shall comply with the requirements of Title 14E.
- (2) All electrical control equipment shall be listed, certified, labeled and marked as required by CSA-C22.2 Number 14 or UL 508. All other electrical equipment, if not listed, certified, labeled and marked to an applicable product standard, shall be listed, certified, labeled and marked as required by CSA-C22.2 Number 14 or UL 508.

14C-7-080 Safety switches – General design requirements.

- (1) All electrically operated equipment, including electro-hydraulic equipment, shall be equipped with fused disconnect switches or circuit breakers capable of being locked in the "off" position. If, in order to service, repair or maintain the equipment, it is necessary for qualified personnel to move or operate the equipment while qualified personnel remain within the overall perimeter of the equipment, the equipment shall be equipped with electrical safety switches to prevent or stop the equipment from moving. All switches required by this subsection shall be: (i) capable of being manually reset by eligible users and qualified personnel; and (ii) located in an accessible place in all areas where it is reasonably anticipated that qualified personnel will work to service, repair or maintain the equipment.
- (2) All hydraulically operated equipment, where the hydraulics are not electrically controlled, shall be equipped with shut off valves capable of being locked in a position that prevents or stops the equipment from moving. Such valves shall be: (i) manually operated hydraulic valves or manually operated hydraulic pilot valves; and (ii) located in an accessible place in all areas where it is reasonably anticipated that qualified personnel will work to service, repair or maintain the equipment.
- (3) All operating devices intended for eligible users shall be: (i) designed, installed and maintained in a manner such that the operating device is clearly visible to eligible users; (ii)

marked with clear, legible, conspicuously-placed and understandable operating instructions; and (iii) designed to minimize the possibility of unauthorized persons using the equipment.

14C-7-090 Installation requirements.

(1) All equipment shall be installed in a manner that includes all structural elements necessary to provide safe and adequate support for the equipment and for all vehicles of all design sizes and weights to be moved by the equipment.

(2) Each equipment installation shall accommodate one four-wheeled vehicle or its equivalent only. Multiple vehicles shall be accommodated with multiple automotive lifts.

(3) All equipment shall be installed in such a manner that it is unnecessary for any person to be in the vehicle or on any pallet in order for the equipment to operate as intended.

(4) The installation of equipment designed to move a vehicle below floor level shall be prohibited.

(5) All equipment shall be installed on floors that are within \pm five degrees of level.

(6) All mechanical, electrical and hydraulic parts of the equipment shall be installed in a manner such that the parts are: (i) protected against damage other than damage caused by normal wear and tear; and (ii) readily accessible for maintenance.

(7) All equipment shall be installed wholly within an enclosed building and shall not be visible from outside the building. For purposes of this subsection, an enclosed building shall include a parking facility as defined in Section 13-96-890.

(8) All equipment shall be installed in conformity with the requirements of the Chicago Zoning Ordinance.

14C-7-100 User and use requirements.

(1) All equipment shall be operated by eligible users only. It shall be unlawful for members of the general public and for persons other than eligible users to operate the equipment. If the equipment is installed within a residential building as defined in Section 17-17-02146 or within a detached private garage located on the same lot as a residential building, the equipment shall be operated by a valet or an attendant employed by the equipment's owner or owned and operated by an owner or resident of a dwelling unit within the residential building. If the equipment is installed within a non-residential building, the equipment shall be operated by a valet or an attendant employed by the equipment's owner.

(2) It shall be unlawful for any person to occupy any vehicle or pallet located on any equipment if the equipment is moving or is causing a vehicle or pallet to move, except as necessary for maintenance, repair, installation or inspection.

(3) All equipment shall be used to move vehicles only; provided, however, that manual operating equipment may be used to move pallets, with or without vehicles, vertically above the floor level position of the pallet and to return the pallet to floor level.

14C-7-110 Safety-related control devices.

(1) All equipment shall be equipped with a sensing device, located under the pallet, which prevents the pallet from being lowered when the device senses a person or object located beneath the pallet.

(2) All equipment shall be equipped with electrical or hydraulic protective devices which shall cut off the supply of electrical or hydraulic power to the equipment's drive and motor when the device is deactivated.

(3) All equipment shall operate only when a manual operating device is actively engaged. If pressure is removed from the device, the equipment shall immediately cease to move.

(4) All equipment shall be equipped with an emergency safety device capable of preventing the unintentional movement of equipment.

(5) If any critical operating control requires the use of a spring to prevent or stop equipment from moving, the spring shall be of the compression type and shall be restrained to prevent dislocation.

(6) The use of a continuing flow of electrical or hydraulic power to initiate or interrupt power to the equipment's driving machine or brake is prohibited.

(7) All operating systems shall be designed such that a single short circuit or other single failure shall not allow the equipment to move in an unintended manner.

14C-7-120 Warning labels, alarm systems and signs.

(1) Warning labels, meeting the requirements of ALCTV for automotive lifts, shall be clearly visible to eligible users and other persons standing in close proximity to the equipment.

(2) An audible alarm system shall be installed at each location where equipment is located to indicate to the eligible users and other persons standing in close proximity to the equipment any time the equipment is in motion. The audible alarm shall be capable of generating a minimum sound pressure of 15 dB(A) above the ambient noise level when measured at a distance of 10 feet from the alarm. The equipment shall be designed to enable the installation of visual signals at the request of the owner to indicate any time the equipment is in motion.

(3) The entrance to the equipment shall be equipped with an overhead flexible member or warning sign informing eligible users that if the vehicle is touched by the overhead flexible-member or warning sign, the vehicle exceeds the maximum height of vehicles permitted to use the equipment.

14C-7-130 Vehicle size and weight – Requirements and prohibitions.

(1) All equipment and pallets may be designed, installed and rated for specific vehicle sizes and maximum loading weight, provided, however, that under no circumstances

shall equipment or pallets be used to move vehicles with a gross vehicle weight in excess of 7,000 pounds, including the vehicle's contents.

(2) All equipment shall be equipped with a device that prevents the equipment from operating if a loading on the pallet exceeds the maximum loading weight identified in this section.

14C-7-140 Maintenance.

(1) All equipment, devices and safeguards shall be examined, lubricated, cleaned, adjusted, repaired, replaced with new parts and otherwise maintained: (i) in proper operating condition; (ii) in safe and sanitary condition; (iii) in accordance with the original design; (iv) at intervals recommended by the manufacturer; and (v) in accordance with the manufacturer's recommended procedures; provided, however, that if the manufacturer fails to recommend intervals or procedures for maintaining the equipment, devices and safeguards, the equipment, devices and safeguards shall be maintained on a regular basis using reasonable maintenance practices. If the authority having jurisdiction determines that site conditions warrant the adoption of maintenance procedures more stringent than what the manufacturer requires, or at intervals more frequent than what the manufacturer requires, the equipment, devices and safeguards shall be maintained in accordance with the requirements established by the authority having jurisdiction.

(2) Written records shall be kept: (i) documenting the date on which any maintenance work was performed on any equipment, device or safeguard; and (ii) describing the type of maintenance performed on that date. Such records shall be kept on the premises where the equipment is located and shall be made available, upon request, for inspection by the authority having jurisdiction.

(3) If equipment or any part thereof is suspended by: (i) wire ropes and the sheaves over which the ropes pass have a minimum diameter of less than 30 times the diameter of the wire rope; or (ii) aramid ropes and the sheaves over which the ropes pass have a minimum diameter of less than 15 times the diameter of the aramid rope, the ropes shall be replaced at least once a year.

(4) For purposes of this section, the term "equipment, devices and safeguards" means all equipment, safety-related control devices, other safeguards required by this chapter and all parts thereof.

(5) This section shall apply to all new equipment and existing installations.

14C-7-150 Installation – Permit and plans required.

(1) No person shall install, reconstruct, alter or add to any equipment without first having obtained a permit from the authority having jurisdiction or install, reconstruct, alter or add to any equipment contrary to a valid permit. All applications for such a permit shall be: (i) made on a designated form; (ii) accompanied by a complete set of drawings detailing the installation prepared by and bearing the seal of an architect or structural engineer licensed by the state of

Illinois; and (iii) accompanied by an equipment certification issued by the manufacturer in conformity with the requirements of Section 14C-7-060(1).

(2) No person shall reconstruct, add to or alter any equipment unless the reconstruction, addition to or alteration is done in conformity with the drawings, plans and specifications upon which the permit authorizing installation of the equipment was issued.

(3) Fees for the issuance of any permit required by this section shall be assessed according to the general provisions of Section 13-32-310 of this code.

(4) This section shall apply to all new equipment and existing installations.

14C-7-160 Qualified personnel – Requirements.

(1) No person shall install, alter, repair, test, maintain or otherwise work on the equipment unless the person: (i) holds a valid certificate of registration, issued under Section 4-298-040, authorizing the person to engage in the business of elevator mechanic contractor; or (ii) has been trained and certified by the manufacturer of a specific type of equipment to install, alter, repair, test, maintain or otherwise work on the specific type of equipment and has a city of Chicago limited business license or any other license required by law.

(2) No person shall construct, install, alter, repair, test, maintain or otherwise work on the electrical components connecting the equipment to the electrical service unless the person holds a valid certificate of registration, issued under Section 13-12-240, authorizing the person to engage in the business of electrical contractor.

(3) This section shall apply to all new equipment and existing installations.

SECTION 9. The Municipal Code of Chicago is hereby amended by inserting a new Chapter 14C-8, as follows:

CHAPTER 14C-8 STAGE AND ORCHESTRA LIFTS

14C-8-010 Elevators of special character.

Stage, orchestra and other elevators of special character shall comply with all the requirements for elevators in Chapter 14C-3 which are applicable to the type of equipment used and for the purpose for which the elevator is installed. Tests and inspection shall cover also all additional equipment and accessories necessary for their full operation.

14C-8-020 Permit and inspection requirements.

Any equipment governed under this Article II shall be permitted and receive an initial acceptance inspection upon installation and before operation. The permit fee shall be as set forth in section 13-32-310.

SECTION 10. The Municipal Code of Chicago is hereby amended by inserting a new Chapter 14C-9, as follows:

CHAPTER 14C-9 PERMANENT WINDOW WASHER POWER-OPERATED PLATFORMS

14C-9-010 Window washer power-operated platforms of a permanent type.

Permanent window washing platforms and all parts and accessories necessary for their full operation shall comply with all the requirements of Chapter 14C-9 which are applicable to the type of equipment used and for the purpose for which the equipment is installed.

(a) Plans and drawings shall be submitted for permit and shall be certified by a licensed architect or structural engineer, licensed to practice by the state of Illinois, in accordance with Section 13-40-010 of this code.

(b) In cases of practical installation difficulty or new developments, exceptions in accordance with Section 13-8-032.

(c) Application for permit shall comply with Section 13-32-190, and shall be inspected in accordance with Sections 13-20-100 and 13-20-140 of this code.

(d) Raising or lowering of the platform shall be power-operated by overhead machinery.

(e) All wiring shall be done to conform with the requirements of the Chicago Electrical Code for outdoor installation.

(f) *Roof machinery.*

(1) Roof machinery cars shall have a counterweight stabilizing factor of at least three to one when platform is at lowest point of travel.

(2) There shall be removable inspection plates on the worm gear housing for the purpose of inspecting the worm and gear. One plate shall be mounted adjacent to the mesh of the worm and gear, and one at the top of the gear housing.

(3) All machines shall be of winding drum type, arranged so that only one layer of wire rope is permitted. The drums shall be of cast iron or steel and have spiral finished U-grooves properly spaced for the cable size used. The worms, worm gear and spur gears shall have machine cut teeth. Cast iron for gearing material shall not be permitted. Tight fitting

keys or splines shall be used for all connections subject to torque or tension. Only direct or geared couplings shall be provided between the speed reduction unit and hoisting drum.

(4) A primary brake shall be provided for normal stopping and holding of the platform. The primary brake shall be part of the driving machine assembly.

(5) A governor operated secondary brake shall be installed in addition to the primary brake. The governor operated secondary brake shall be one of the following types:

(a) Direct applied shoe brake either externally or internally consisting of two brake arms carrying pivoted brake shoes with suitable flexible brake lining and arranged to apply directly upon the drum or substantial integral extensions of the drum.

(b) A self-energizing band brake, externally applied to the drum or substantial integral extensions of the drum. The brake shall be constructed of high tensile steel band and lined with suitable flexible brake lining.

(c) A geared brake employing mechanisms which are wholly independent of the main service drive. The brake shall be of the brake shoe type, the main drum gear shall be directly attached to the drum through body fitted bolts. If an auxiliary drum gear is used in connection with the secondary geared brake, it shall also be directly attached to the drum through body fitted bolts. The geared brake may be applied to the main service drum gear providing this gear is of heavy duty construction with the American Gear Manufacturers Association publication A.G.M.A. 440.03 June, 1959, service factor of not less than 1.5 under conditions of maximum braking effect.

(6) Both the primary and secondary brakes shall be magnetically operated and spring set. Both brakes shall be arranged to operate on every stopping operation. In addition, the governor shall cause the secondary brake to set at 25 percent over speed independent of normal stopping devices. Each brake shall be capable of stopping and holding the rated load.

(7) All parts of the primary brake and of the secondary brake are to be readily accessible for the inspection and adjustment and shall be completely weather protected so that their function will be substantially the same under all weather conditions.

(8) A governor test shall be made with a capacity load on the platform to determine whether the secondary brake will stop and hold the main drum in the event the drum exceeds 25 percent above the rated speed.

(9) The diameter of drums and sheaves shall be 40 times the diameter of the hoisting ropes.

(10) All structural members shall have a minimum factor of safety of five. All other components of the hoisting machinery shall have a factor of safety, based on the total static load, of eight for wrought iron or wrought steel and 10 for cast iron, cast steel or other materials. Cast iron shall not be utilized in any load carrying capacity in the design of this equipment where it can be subjected to torsion, bending or tension.

(11) Safety factor for hoisting cables shall be not less than 10.

(12) The number and diameter of the cables shall be determined by using the required factor of safety and the rated ultimate strength of the cable. The computed load on the cables shall be the weight of the platform, plus its rated load, plus the weight of the hoisting cables. The minimum number of cables used shall be four. The minimum diameter of the cables shall be not less than 5/16 of an inch. Cables anchored to winding drums shall have not less than two complete turns of each cable on the winding drum when the platform has reached the limit of its travel.

(13) Winding drum machine shall have final stopping switches on the machine. Normal top and bottom terminal switches shall be provided.

(14) On 3-phase AC installations, the stopping switches on the machine shall be so arranged as to open the main line circuits to the motor and brake.

(15) Slack cable switches attached to the platform hitch shall be provided for each individual cable.

(g) *Suspended working platform:*

(1) The suspended working platform shall be fabricated of steel or aluminum or alloy of these basic structural metals.

(2) Design of the working platform shall be of the girder or truss construction and shall be adequate to support its rated load with a safety factor of eight.

(3) Welding, riveting and bolting of the platform members shall be in accordance with accepted practices.

(4) Platforms shall be suitably guided and shall be stable through its entire operation from top or bottom or vice versa. Engaging guide rollers or guide shoes shall be so designed to compensate for variation in building contour. Guide shoe brackets or casting shall be of a material that will resist shear and tensile loading. Cast iron shall not be used.

(5) All parts used in the construction or operation of the platform shall be fabricated from material that will consistently withstand severe local weather extremes.

(6) Platforms shall have a minimum net width of 24 inches and shall be furnished with permanent guard rails 36 inches high in the front (building side) and on the sides and 42 inches high in the rear. Guard interstices shall be filled with metallic mesh or similar material and shall reject a ball of 1 inch in diameter. If the platform is confined in its operation to a distance not exceeding 12 inches from the building, the mesh may be omitted on the front side, but a 4-inch toe guard along the front side must be provided. The platform flooring shall be of the nonskid type, open grating, which will reject a half-inch ball.

(7) The platform shall be fastened to the cables by individual tapered babbitted sockets, and the cable sockets and method of socketing shall comply with the requirements of this chapter. Each shackle shall be arranged for individual adjustment for cable tension.

(h) *Ratings.*

(1) The rated speed of the platform shall not exceed 50 feet per minute in the down direction with a fully loaded platform and shall not be less than 80 percent of the rated speed in the up direction with the same load.

(2) The rated capacity of the platform shall not exceed 25 pounds per square foot of platform area. The area shall be measured between the protection guards or toe guard and sides (ends) of the platform. Each platform shall bear a manufacturer's rating plate stating the maximum permissible net load which shall be the sum of the allowable load of men, tools, materials.

(i) *Roof car operating devices and control equipment.*

The roof car shall be rigidly constructed to withstand the unbalanced forces to which it will be subjected, and shall move on steel tracks securely fastened to the building structure.

(1) If the roof car is not parked in a roof garage, it shall be fully enclosed to protect the operating equipment placed on it from all weather extremes.

(2) The roof car, when power operated, shall have a drive independent of the driving units used for the platform.

(3) The control shall include constant pressure means to move the roof car forward or reverse, and a separate stop switch shall be available at the operating station to prevent all motion.

(4) The roof car shall not be movable unless the platform is out of its guides and in proper position on the roof car.

(5) Electric contacts or switches shall be provided and fastened to the building structure or roof car rails to indicate when the roof car is locked in proper place for placing of the platform in its guide.

(6) A power disconnect switch shall be permanently placed in roof car.

(j) *Platform operating devices and control equipment.*

(1) The control for the vertical travel of the platform shall be of the push button type and it shall be necessary to maintain a constant pressure on the "up" or "down" control button for operation. In addition, an emergency stop switch shall be provided which shall be of the positive open and close type. The control station and stop switch shall be permanently secured to one side guard of the platform and connected to the control panel through suitable rubber covered control cables.

(2) Where the platform length exceeds 20 feet, an auxiliary control station shall be located at the opposite side guard of the platform. This control station shall include a constant pressure type of "run" button which must be held closed while the platform is being moved.

(3) Communication equipment shall be provided for each powered platform for use in an emergency.

(4) All platform controls shall be so designed as to operate on a nominal voltage of 120.

(5) The controller for operation of the platform shall be installed in the roof car. It shall be fully enclosed for protection from the weather.

(6) Automatic tension control shall be provided for control cables attached to platforms. When the tension in the control cable exceeds a safe limit, electrical interlocking contacts shall remove power from the vertical traveling hoistway machines and brakes.

SECTION 11. The Municipal Code of Chicago is hereby amended by inserting a new Chapter 14C-10, as follows:

**CHAPTER 14C-10
CONSTRUCTION AND INDUSTRIAL EQUIPMENT**

14C-10-010 Personnel hoists and employee elevators on construction sites.

The American Society of Safety Engineers' ASSE A10.4 *Safety Requirements for Personnel Hoists and Employee Elevators on Construction and Demolition Sites*, 2016 edition (hereinafter known as ASSE A10.4) is adopted by reference and shall be considered part of the requirements of this chapter, except as modified by specific provisions of this code.

14C-10-011 Personnel hoists and employee elevators on construction sites – Additional requirements.

Personnel hoists and employee elevators installed on construction sites shall also comply with the following requirements:

- (a) Rated load capacities, recommended operating speeds, and special hazard warnings or instructions shall be conspicuously displayed in the hoist cage and on platforms;
- (b) The equipment shall not be used when the sustained wind speed exceeds 35 miles per hour at any height at which the equipment is installed;
- (c) Whenever the equipment has been exposed to a sustained wind speed exceeding 35 miles per hour it shall be inspected by a qualified person and put in operable condition before reuse; and
- (d) Before a permit is issued for temporary use of such equipment during construction, erection drawings prepared by a registered structural engineer shall be submitted to the authority having jurisdiction indicating that the equipment will be supported by an adequate foundation and that the equipment will be anchored to the building or other structure so as to provide lateral and torsional stability at vertical intervals not exceeding 30 feet.

For purposes of this section, "sustained wind speed" shall mean the wind speed determined by averaging observed values over a two-minute period

14C-10-020 Material hoists.

The American Society of Safety Engineers' ASSE A10.5 *Safety Requirements for Material Hoists*, 2013 edition (hereinafter known as ASSE A10.5) is adopted by reference and shall be considered part of the requirements of this chapter, except as modified by specific provisions of this code.

14C-10-021 Material hoists – additional requirements.

Material hoists shall also comply with the additional requirements provided in Section 14C-10-011.

14C-10-030 Belt manlifts.

The American Society of Mechanical Engineers' ASME A90.1 *Safety Standard for Belt Manlifts*, 2015 edition (hereinafter known as ASME A90.1) is adopted by reference and shall be considered part of the requirements of this chapter, except as modified by specific provisions of this code.

14C-10-040 Conveyors and related equipment.

The American Society of Mechanical Engineers' ASME B20.1 *Safety Standard for Conveyors and Related Equipment*, 2015 edition (hereinafter known as ASME B20.1) is adopted by reference and shall be considered part of the requirements of this chapter, except as modified by specific provisions of this code.

14C-10-041 Conveyors and related equipment – additional requirements.

Vertical reciprocating conveyors shall be installed in a full hoistway or runway enclosure. The enclosure and entrances to the hoistway or runway shall be protected with doors or gates meeting the fire resistance requirements of Section 15-8-050.

All doors and gates opening onto the hoistway or runway shall be protected with hoistway door interlocks meeting the requirements of 14C-3-2.12.2 and 14C-3-2.12.4.

14C-10-050 Industrial scissor lifts.

American National Standard ANSI MH29.1 *Safety Requirements for Industrial Scissor Lifts*, 2012 edition (hereinafter known as MH29.1) is adopted by reference and shall be considered part of the requirements of this chapter, except as modified by specific provisions of this code.

14C-10-060 Adjustable loading platforms.

Every adjustable loading platform shall be provided with a toe guard attached to the underside of the platform. In areas accessible to the public, the underside of the platform shall be fully skirted. Every adjustable loading platform shall be equipped with skirt guards on the side(s) not used for loading.

The construction of all platforms shall meet the requirements of 14C-3-2.15.10.

Operation may be by continuous-pressure button, cable, lever, or may take place by the movement of a truck body. Controls shall be located in clear view of the platform.

SECTION 12. The Municipal Code of Chicago is hereby amended by inserting a new Chapter 14C-11, as follows:

**CHAPTER 14C-11
MECHANICAL AMUSEMENT RIDING DEVICES**

14C-11-010 Standards.

(a) All mechanical amusement riding devices shall be:

(1) Built of the material hereinafter enumerated, or of other materials approved by the authority having jurisdiction,

(2) Substantially constructed and designed to withstand shocks and to afford adequate protection for passengers riding thereon;

(3) Designed and built to meet the structural requirements prescribed elsewhere in the building code and guyed suitable to withstand wind pressure and unbalanced load. Footings, blocking and outriggers shall be secured so as to be stable under all operating conditions.

(4) Provided with the following safety elements:

(A) Handrails, handles, safety straps or other protective devices of suitable design shall be provided in all cars of roller coasters, scenic railways, ferris wheels, ships and other riding, sliding, rotating and rolling devices of similar type.

(B) Each horse on a merry-go-round shall be equipped with a stirrup and a bridle, also a strap on the horse rod to snap or buckle under the arms of the rider.

(C) Automatic handle bars shall be installed where vertical thrust is encountered.

(D) On an open structure, catwalks shall be provided for emergency and maintenance purposes.

(b) No mechanical amusement riding device shall be overcrowded or loaded in excess of its rated safe carrying capacity or safe operating speed.

(c) All internal combustion engines used in driving mechanical amusement riding devices shall be equipped with an over speed governor.

(d) All mechanical amusement riding devices shall be fenced, enclosed, barricaded or otherwise guarded for public protection.

(e) No person shall knowingly use or permit to be used an amusement riding device which is not properly assembled or which is defective or unsafe in any of its parts, components, controls or safety equipment.

(f) In no case shall a safety device installed on an amusement riding device be made inoperative.

(g) Sufficient safe clearance shall be provided against injuries to all persons riding on any amusement riding devices when in motion.

(h) Signal systems for the starting and stopping of amusement riding devices shall be provided where the operator of the device does not have a clear view of the point at which passengers are loaded or unloaded. Any code of signals adopted shall be printed and kept posted at both the operator's and signalman's stations. All persons who may use these signals shall be carefully instructed in their use. Signals for the movement or operation of an amusement device shall not be given until all passengers and other persons who may be endangered are in a position of safety.

14C-11-020 Pit requirements.

No mechanical amusement riding device shall extend more than three feet below the ground level unless the sides and bottom of all pits are built of concrete; all pits shall be provided in the bottom with drains connected to the sewers. If pits are too deep to drain to the sewer by gravity, a syphon, automatic electric pump or other device shall be installed in the drain connection. The structure shall be of wood, steel or other serviceable material substantially fabricated and braced.

14C-11-030 Ferris wheels.

Ferris wheels, except of the portable type, shall have steel frames and steel tripods supported upon and anchored to concrete piers. Cars shall be of all steel construction or other suitable materials. Ferris wheels of the portable type used in carnivals and under similar conditions, shall be of steel construction set on suitable bases under the towers and the side tripods.

14C-11-040 Roller coasters.

Every roller coaster shall be provided with a terminal brake; it shall also be provided with an emergency brake that will immediately stop the train and shall be placed in some level spot on the structure; or, if approved by the authority having jurisdiction, on one of the curves. The emergency brake shall be under the control of the brakemen or other attendant at the loading platform. Every car or train shall also be equipped with a safety device arranged to catch and hold the car or train should the chain break or any other accident occur to the machinery while a car or train is in transit.

Roller coasters having more than one train shall be provided with an automatic emergency system to prevent collisions. A stalled car or train shall stop all cars or trains behind it automatically. Anti-rollback devices shall be installed on all inclined tracks of roller coasters.

In a mechanical amusement riding device of the dip type, the up grade in each dip shall be so constructed that the cars will run up the structure at a speed such that the cars will run over the top of the next dip without having a tendency to throw the passengers out of the cars. The cars shall be of substantial construction; they shall be equipped with dogs to drop into a sprocket chain or other approved device to pull the bar or train to the starting point of its travel.

14C-11-050 Lighting requirements.

All mechanical amusement riding devices shall be provided with electric lighting if they are to be in use after sunset.

14C-11-060 Safety test.

A test shall be made of every new mechanical amusement riding device and all safety devices shall be caused to function.

ARTICLE II. CONFORMING AMENDMENTS

SECTION 1. Section 1-4-090 of the Municipal Code of Chicago is hereby amended by deleting the language stricken through and by inserting the language underscored, as follows:

1-4-090 Definitions for Code provisions.

(Omitted text is unaffected by this ordinance)

(h) "Building code" or "building provisions of this Code" means: Titles 13 (excepting Chapter 13-72), 14C, 14E, and 18; Chapters 2-22, 7-4, 7-28; Article III of Chapter 11-4; Chapters 15-8, 15-12, and Article I of Chapter 15-16, Section 8-4-090; and all other provisions of this Code establishing or relating to construction, plumbing, heating, electrical, fire prevention,

sanitation, zoning or other health and safety standards relating to structures (except to the extent authority for enforcement and administration is conferred exclusively on a department or agency other than the department of buildings or on an officer other than the building commissioner);

(Omitted text is unaffected by this ordinance)

SECTION 2. Section 4-298-010 of the Municipal Code of Chicago is hereby amended by deleting the language stricken through and by inserting the language underscored, as follows:

4-298-010 Elevator mechanic contractor defined.

"Elevator mechanic contractor" means any person, firm or corporation engaged in the business of constructing, installing, altering or maintaining the mechanical components of any elevator, escalator, moving walk, dumbwaiter, platform lift, manlift, inclined lift in private residences, mechanical equipment used for the raising or lowering of any curtain, stage or orchestra floor, or any other conveyance device specifically covered and described within Title 14E other than a mechanical amusement riding device ~~Chapter 18-30 of the Chicago municipal code.~~

SECTION 3. Section 13-4-010 of the Municipal Code of Chicago is hereby amended by deleting the language stricken through and by inserting the language underscored, as follows:

13-4-010 Definitions.

For the purpose of this Code, the following terms shall be construed as follows:

(Omitted text is unaffected by this ordinance)

Controlled Materials. For definition see Section 13-120-040.

Conveyance Device. For definition see Section 14C-2-202.

Cooling Tower. For definition see Section 13-96-440.

(Omitted text is unaffected by this ordinance)

"Elevator" means a hoisting and lowering mechanism, equipped with a car, that moves within guides and serves two or more landings ~~as defined in Section 1.3 of ASME A17.1-2007.~~

(Omitted text is unaffected by this ordinance)

"Equipment" consists of all mechanical, electrical or storage devices and fixtures requiring conformance with the code in regard to construction, installation, operation, alteration, maintenance and inspection. "Equipment" shall include among others elevators conveyance

devices, plumbing, ventilation systems, heating apparatus, refrigeration systems, boilers and electrical equipment.

"Escalator" means a power-driven, inclined, continuous stairway used for raising or lowering passengers as defined in ~~Section 1.3 of ASME A17.1-2007.~~

(Omitted text is unaffected by this ordinance)

SECTION 4. Section 13-20-090 of the Municipal Code of Chicago is hereby amended by deleting the language stricken through and by inserting the language underscored, as follows:

13-20-090 Inspection of amusement park devices – Permits – Fees.

The building commissioner shall inspect, or cause to be inspected annually and periodically, all mechanical amusement riding devices, ~~mechanisms and structures and such other mechanical structural devices or contrivances which will permit the movement of a person by mechanical means in any direction for amusement,~~ where such devices are erected and operated within a building, amusement park, fair or carnival situated on any lot, tract of land or public way, before said devices will be opened to the public. A fee for each annual inspection of a mechanical amusement riding device in an amusement park, other than coin-operated riding device, shall be \$100.00.

Where said devices are taken down, removed, reassembled or re-erected in another location, the building commissioner shall inspect or cause to be inspected said devices after each removal and before said devices are opened to the public for the purpose of ascertaining whether they comply with the provisions of this Code ~~and the rules and regulations of the department of buildings.~~ No device shall be operated unless it complies ~~they do comply~~ with the provisions of this Code ~~and the rules and regulations of the department of buildings.~~ Load test, where required, shall be performed in the presence of the enforcing authority.

(Omitted text is unaffected by this ordinance)

SECTION 5. Section 13-20-140 of the Municipal Code of Chicago is hereby amended by deleting the language stricken through and by inserting the language underscored, as follows:

13-20-140 Elevators, escalators and movable platforms – Inspection fee.

(a) The building commissioner is authorized to, and shall assess, the following inspection fees for any annual or other periodic inspection of the following equipment:

~~For an elevator~~ Elevator, vertical reciprocating conveyor or manlift, ten floors or less \$105.00

~~For an elevator~~ Elevator or vertical reciprocating conveyor, above ten floors but less than 21 floors \$125.00

~~For an elevator Elevator~~ or vertical reciprocating conveyor, over 20 but less than 31 floors \$140.00

~~For an elevator Elevator~~ or vertical reciprocating conveyor, over 30 floors \$155.00

Skip stops shall be considered as a floor of the building.

~~For an escalator Escalator~~ or moving walk \$75.00

Movable stage or orchestra floor \$125.00

Platform lift \$75.00

Hinged platform lift for trucks and or loading docks \$45.00

Material lifts \$105.00

~~Platform wheel chair lifts, inclined wheel chair lifts and or~~ stairway chairlifts lift \$50.00

Mechanical amusement riding device see Section 13-20-090

Any other conveyance device \$75.00

(b) ~~Whenever the department of buildings must conduct a reinspection of a movable stage or orchestra floor conveyance device, the commissioner of buildings is authorized to shall assess a reinspection fee of \$100.00 against the building's owner, agent, lessee or occupant pursuant to Section 13-20-051. Whenever the department of buildings must conduct a reinspection of any equipment regulated under Chapter 18-30 of this Code other than a movable stage or orchestra floor, the reinspection fee set forth in section 18-30-415 or 18-30-420, as applicable, shall apply. Provided, however, that no reinspection fee shall be required if a reinspection is necessary due to an error made by the city.~~

SECTION 6. Section 13-34-020 of the Municipal Code of Chicago is hereby amended by deleting the language stricken through and by inserting the language underscored, as follows:

13-34-020 Scaffolding – General requirements.

(Omitted text is unaffected by this ordinance)

(c) *Safeguards.* All scaffolding shall be constructed, maintained and disassembled in a manner that follows accepted engineering practice and manufacturer's specifications. "American National Standard ANSI A10.8-2001 Safety Requirements For Scaffolding", as amended, and "American Society of Mechanical Engineers, ASME A120.1-2001 A120.1-2014 Safety Requirements For for Powered Platforms For and Traveling Ladders and Gantries for Building Maintenance", as ~~amended~~, shall be considered as accepted engineering practice, as shall other national standards deemed applicable by the building commissioner.

(Omitted text is unaffected by this ordinance)

SECTION 7. Section 13-52-170 of the Municipal Code of Chicago is hereby amended by deleting the language stricken through and by inserting the language underscored, as follows:

13-52-170 Impact loading.

The live loads specified in Section 13-52-090 shall be assumed to include adequate allowance for ordinary impact conditions. Provision shall be made in the structural design for uses and loads that involve unusual vibration and impact forces.

(a) *Elevators.* All elevator loads shall be increased by 100 percent for impact, and the structural supports shall be designed within the limits of deflection prescribed by ~~American National Standard Safety Code for Elevators and Escalators, A.N.S.I./A.S.M.E. A17.1-1981, and American National Standard Practice for the Inspection of Elevators, Escalators, and Moving Walks (Inspector's Manual), A.N.S.I. A17.2-1979~~ ASME A17.1 as adopted by Chapter 14C-3.

(Omitted text is unaffected by this ordinance)

SECTION 8. Section 13-64-010 of the Municipal Code of Chicago is hereby amended by deleting the language stricken through and by inserting the language underscored, as follows:

13-64-010 General requirements.

Every building or part of a building hereafter designed, erected, altered or converted for the purposes of a residential unit as defined in Section 13-56-020 shall comply with the special provisions of this chapter and also with the general provisions of this Code pertaining to buildings, including, but not limited to, the following:

(Omitted text is unaffected by this ordinance)

~~Chapter 18-30—Elevators~~ Title 14C Conveyance Devices.

SECTION 9. Section 13-68-010 of the Municipal Code of Chicago is hereby amended by deleting the language stricken through and by inserting the language underscored, as follows:

13-68-010 General requirements.

Every building or part of a building hereafter designed, erected, altered or converted for the purpose of a business unit as defined in Section 13-56-120 shall comply with the special provisions of this chapter and also with the general provisions of this Code pertaining to buildings, including, but not limited to, the following:

(Omitted text is unaffected by this ordinance)

~~Chapter 18-30—Elevators~~ Title 14C Conveyance Devices.

SECTION 10. Section 13-76-130 of the Municipal Code of Chicago is hereby amended by deleting the language stricken through and by inserting the language underscored, as follows:

13-76-130 Fire department emergency access elevator.

At least one elevator is to be provided for fire department emergency access to all floors of a building. All elevators shall be equipped with ~~firemen's control~~ firefighters' emergency operation control in accordance with ~~the requirements set forth in items (46) through (60), inclusive, of Section 18-30-040, or in Section 18-30-320, or in Section 18-30-370, as applicable~~ Section 14C-4-3.11.3.

SECTION 11. Section 13-80-010 of the Municipal Code of Chicago is hereby amended by deleting the language stricken through and by inserting the language underscored, as follows:

13-80-010 General requirements.

Every building or part of a building hereafter designed, erected, altered or converted for the purposes of an institutional unit as defined in Section 13-56-050 shall comply with the special provisions of this chapter and also with the general provisions of this Code pertaining to buildings, including, but not limited to the following:

(Omitted text is unaffected by this ordinance)

~~Chapter 18-30—Elevators~~ Title 14C Conveyance Devices.

SECTION 12. Section 13-84-010 of the Municipal Code of Chicago is hereby amended by deleting the language stricken through and by inserting the language underscored, as follows:

13-84-010 General requirements.

Every building or part of a building hereafter designed, erected, altered or converted for the purposes of an assembly unit as defined in Section 13-56-070 shall comply with the special provisions of this chapter and also with the general provisions of this Code pertaining to buildings, including, but not limited to, the following:

(Omitted text is unaffected by this ordinance)

~~Chapter 18-30—Elevators~~ Title 14C Conveyance Devices.

SECTION 13. Section 13-88-010 of the Municipal Code of Chicago is hereby amended by deleting the language stricken through and by inserting the language underscored, as follows:

13-88-010 General requirements.

Every building or part of a building hereafter designed, erected, altered or converted for the purposes of an open air assembly unit as defined in Section 13-56-110 shall comply with the special provisions of this chapter and also with the general provisions of this Code pertaining to buildings, including, but not limited to, the following:

(Omitted text is unaffected by this ordinance)

~~Chapter 18-30—Elevators~~ Title 14C Conveyance Devices.

SECTION 14. Section 13-100-010 of the Municipal Code of Chicago is hereby amended by deleting the language stricken through and by inserting the language underscored, as follows:

13-100-010 General requirements.

Every building or part of a building hereafter designed, erected, altered or converted for the purposes of a mercantile unit as defined in Section 13-56-130 shall comply with the special provisions of this chapter and also with the general provisions of this Code pertaining to buildings, including, but not limited to, the following:

(Omitted text is unaffected by this ordinance)

~~Chapter 18-30—Elevators~~ Title 14C Conveyance Devices.

SECTION 15. Section 13-104-010 of the Municipal Code of Chicago is hereby amended by deleting the language stricken through and by inserting the language underscored, as follows:

13-104-010 General requirements.

Every building or part of a building hereafter designed, erected, altered or converted for the purposes of an industrial unit as defined in Section 13-56-140 shall comply with the special provisions of this chapter and also with the general provisions of this Code pertaining to buildings, including, but not limited to, the following:

(Omitted text is unaffected by this ordinance)

~~Chapter 18-30—Elevators~~ Title 14C Conveyance Devices.

SECTION 16. Section 13-108-010 of the Municipal Code of Chicago is hereby amended by deleting the language stricken through and by inserting the language underscored, as follows:

13-108-010 General requirements.

Every building or part of a building hereafter designed, erected, altered or converted for the purposes of a storage unit as defined in Section 13-56-170 shall comply with the special provisions of this chapter and also with the general provisions of this Code pertaining to buildings, including, but not limited to, the following:

(Omitted text is unaffected by this ordinance)

~~Chapter 18-30—Elevators~~ Title 14C Conveyance Devices.

SECTION 17. Section 13-112-010 of the Municipal Code of Chicago is hereby amended by deleting the language stricken through and by inserting the language underscored, as follows:

13-112-010 General requirements.

Every building, structure or tank, part of a building, hereafter designed, erected, altered or converted for the purposes of a hazardous use unit, as defined in Section 13-56-210, shall comply with the building provisions of this Code, including, but not limited to, the following:

(Omitted text is unaffected by this ordinance)

~~Chapter 18-30—Elevators~~ Title 14C Conveyance Devices.

(Omitted text is unaffected by this ordinance)

SECTION 18. Section 13-160-520 of the Municipal Code of Chicago is hereby amended by deleting the language stricken through and by inserting the language underscored, as follows:

13-160-520 Escalators.

Escalators serving as a required means of exit shall comply with the requirements of ~~Chapter 18-30~~ Title 14C and with the requirements of Sections 13-160-530 to 13-160-570, inclusive.

SECTION 19. Section 13-196-270 of the Municipal Code of Chicago is hereby amended by deleting the language stricken through and by inserting the language underscored, as follows:

13-196-270 Elevator recall.

All existing buildings shall comply with the requirements of Section ~~18-30-2600~~ 14C-4-3.11.3.

SECTION 20. Chapter 13-196 of the Municipal Code of Chicago is hereby amended by inserting a new section 13-196-271, underscored as follows:

13-196-271 Continued operation.

In buildings equipped with passenger elevators, not less than one passenger elevator shall be maintained in operation at all times when the building is occupied.

Exception: Buildings equipped with only one passenger elevator shall be permitted to have the elevator temporarily out of service for testing or servicing.

SECTION 21. Section 18-11-1107.5.4.1 of the Municipal Code of Chicago is hereby amended by deleting the language stricken through and by inserting the language underscored, as follows:

18-11-1107.5.4.1 Type A units.

(Omitted text is unaffected by this ordinance)

3. In a building where one multi-story unit is located above another unit, an accessible route to the upper unit is not required if a shaft or unenclosed open well is provided to accommodate the installation of a residential elevator complying with ~~Chapter 18-30 Title 14C~~, or if a limited-use limited-application elevator complying with ~~Chapter 18-30 Title 14C~~ or a wheelchair lift complying with ~~Chapter 18-30 Title 14C~~ is provided.

(Omitted text is unaffected by this ordinance)

SECTION 22. Section 18-11-1107.5.4.1.1.9 of the Municipal Code of Chicago is hereby amended by deleting the language stricken through and by inserting the language underscored, as follows:

18-11-1107.5.4.1.1.9 Access to other levels.

(Omitted text is unaffected by this ordinance)

2. A shaft or unenclosed open well is provided to accommodate the installation of a residential elevator complying with ~~Chapter 18-30 Title 14C~~, or a limited-use limited-application elevator complying with ~~Chapter 18-30 Title 14C~~ or a wheelchair lift complying with ~~chapter 18-30 Title 14C~~ is provided.

(Omitted text is unaffected by this ordinance)

3. Stairways shall be designed to accommodate the installation of a wheelchair lift that complies with ~~Chapter 18-30~~ Title 14C.

(Omitted text is unaffected by this ordinance)

SECTION 23. Section 18-11-1107.7.2.5 of the Municipal Code of Chicago is hereby amended by deleting the language stricken through and by inserting the language underscored, as follows:

18-11-1107.7.2.5 Access to other levels.

(Omitted text is unaffected by this ordinance)

2. A shaft or unenclosed open well is provided to accommodate the installation of a residential elevator complying with ~~Chapter 18-30~~ Title 14C, or a limited-use limited-application elevator complying with ~~Chapter 18-30~~ Title 14C or a wheelchair lift complying with ~~Chapter 18-30~~ Title 14C is provided.

(Omitted text is unaffected by this ordinance)

3. Stairways are designed to accommodate the installation of a wheel chair lift that complies with ~~Chapter 18-30~~ Title 14C, including required stairway width and maneuvering clearance at the top and bottom of the stairway.

(Omitted text is unaffected by this ordinance)

SECTION 24. Section 18-11-1117.3.5.1 Elevators of the Municipal Code of Chicago is hereby amended by deleting the language stricken through and by inserting the language underscored, as follows:

18-11-1117.3.5.1 Elevators.

Altered elements of existing elevators shall comply with ~~Chapter 18-30~~ Title 14C and ICC/ANSI A117.1. Such elements shall also be altered in elevators programmed to respond to the same hall call control as the altered elevator.

SECTION 25. Section 18-11-1117.3.5.2 of the Municipal Code of Chicago is hereby amended by deleting the language stricken through and by inserting the language underscored, as follows:

18-11-1117.3.5.2 Platform lifts.

Platform lifts complying with ICC/ANSI A117.1 and installed in accordance with ~~Chapter 18-30~~ Title 14C shall be permitted as a component of an accessible route.

SECTION 26. Section 18-36-010 of the Municipal Code of Chicago is hereby amended by deleting the language stricken through and by inserting the language underscored, as follows:

18-36-010 Reference standards.

This chapter lists the edition date and full title of standards that are referenced in other sections of the building code.

ALI	Automotive Lift Institute, Inc. P.O. Box 33116 Indialantic, Florida 32903-3116
Standard Reference Number	Title
ANSI/ALT ALCTV-98	Standard for Automotive Lifts — Safety Requirements for Construction, Testing and Validation

(Omitted text is unaffected by this ordinance)

ANSI/ALI ALCTV-98	Standard for Automotive Lifts — Safety Requirements for Construction, Testing and Validation
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(Omitted text is unaffected by this ordinance)

A-17.1-07/CSA B44-07	Safety Code for Elevators and Escalators
A17.7-07/CSA B44.7-07	Performance Based Safety Code for Elevators and Escalators
A17.2-04	Guide for Inspection of Elevators, Escalators, and Moving Walks
A17.3-05	Safety Code for Existing Elevators and Escalators
A18.1-03	Safety Standard for Platform Lifts and Stairway Chairlifts
B20.1-03	Safety Standard for Conveyors and Related Equipment

**ARTICLE III.
REPEAL OF PRIOR REQUIREMENTS**

SECTION 1. Sections 13-20-100, 13-20-110, 13-20-120, 13-20-130, 13-124-210, 13-124-220, 13-124-230, 13-124-240, 13-124-250, 13-124-260, 13-124-270, 13-124-280, 13-124-290, and 13-124-300 of the Municipal Code of Chicago are hereby repealed in their entirety.

SECTION 2. Chapter 18-30 of the Municipal Code of Chicago ("Elevators, Escalators, Moving Walks, Dumbwaiters, Material Lifts, Platform Lifts, Stairway Chairlifts, Conveyors and Related Equipment") is hereby repealed in its entirety.

SECTION 3. Chapter 18-31 of the Municipal Code of Chicago ("Stage and Orchestra Lifts, Permanent Window Washer Power-Operated Platforms, Mechanical Amusement Riding Devices, Manlifts and Adjustable Loading Platforms") is hereby repealed in its entirety.

SECTION 4. Chapter 18-32 of the Municipal Code of Chicago ("Automotive Lifts") is hereby repealed in its entirety.

ARTICLE IV. SANITARY REQUIREMENTS

SECTION 1. Section 4-60-100 of the Municipal Code of Chicago is hereby amended by deleting the language stricken through and by inserting the language underscored, as follows:

4-60-100 Health, sanitation and inspection requirements.

(a) Except as otherwise provided in this chapter, every person licensed or required to be licensed hereunder who shall sell any alcoholic liquor for consumption on the premises of such licensee shall keep and maintain the licensed premises equipped with running hot and cold water and adequate sanitary washing facilities for the cleansing of glasses and service utensils, shall provide ~~separate and adequate toilet facilities for both males and females~~ meeting the applicable requirements of ~~Sections 18-29-403.1 through 18-29-403.6 and Section 18-29-404 Chapter 18-29~~ of this Code and shall comply with all the health, sanitary and inspection requirements of Chapter 4-8 of this Code.

(Omitted text is unaffected by this ordinance)

(c) ~~The department of buildings shall make such warning signs available to vendors of alcoholic beverages and shall promulgate regulations with respect to the posting of said signs. A fee may be charged by the department to cover printing, postage and handling expenses. [Reserved.]~~

(Omitted text is unaffected by this ordinance)

SECTION 2. Section 4-224-020 of the Municipal Code of Chicago is hereby amended by deleting the language stricken through and by inserting the language underscored, as follows:

4-224-020 Sanitary requirements.

(Omitted text is unaffected by this ordinance)

Sufficient ~~and separate water closets~~ toilet facilities shall be provided for male and female employees meeting the applicable requirements of Chapter 18-29, and such ~~water closet compartments~~ facilities shall be properly ventilated.

SECTION 3. Section 7-38-065 of the Municipal Code of Chicago is hereby amended by deleting the language stricken through, as follows:

7-38-065 Alcoholic liquor sales – Health and sanitary requirements.

Every person licensed under Section 4-60-100 of the Municipal Code of Chicago who shall sell any alcoholic liquor for consumption on the premises of such licensee, shall keep and maintain the licensed premises equipped with hot and cold water and adequate washing and sanitizing facilities for the cleaning of glasses and service utensils and shall provide adequate toilet facilities ~~for each sex~~ and shall comply with the health and sanitary requirements of the Municipal Code of Chicago and regulations of the board of health relating to food-dispensing establishments.

**ARTICLE V.
TECHNICAL CORRECTIONS TO BUILDING CODE**

SECTION 1. Section 1-4-090 of the Municipal Code of Chicago is hereby amended by inserting the language underscored, as follows:

1-4-090 Definitions for Code provisions.

Unless the context requires other interpretations, the following words and terms are defined for purposes of this code as follows:

(Omitted text is unaffected by this ordinance)

(g) "Code" means the Municipal Code of Chicago as amended from time to time, except as otherwise explicitly provided in Title 14C and Title 14E in connection with the adoption by reference of a model building code;

(h) "Building code" or "building provisions of this Code" means: Titles 13 (excepting Chapter 13-72), 14C, 14E, and 18; Chapters 2-22, 7-4, 7-28; Article III of Chapter 11-4; Chapters 15-8, 15-12 and Article I of Chapter 15-16, Section 8-4-090; and all other provisions of this Code establishing or relating to construction, plumbing, heating, electrical, fire prevention, sanitation, zoning or other health and safety standards relating to structures (except to the extent authority for enforcement and administration is conferred exclusively on a department or agency other than the department of buildings or on an officer other than the building commissioner);

(h)(1) "Conveyance Device Code" or "conveyance device regulations of this Code"
means Title 14C;

(i) "Electrical Code" or "electrical regulations of this Code" means Article II of Chapter 13-12 and Title 14E;

(j) "Fire Code" or "fire regulations of this Code" means Chapter 15-4, Chapter 15-8, Article II of Chapter 15-16, Chapter 15-20, Chapter 15-24, and Chapter 15-26 of this Code;

(Omitted text is unaffected by this ordinance)

SECTION 2. Section 2-22-040 of the Municipal Code of Chicago is hereby amended by deleting the language stricken through and by inserting the language underscored, as follows:

2-22-040 Commissioner of Buildings – powers and duties.

The duties of the Commissioner of Buildings shall be:

(Omitted text is unaffected by this ordinance)

5. to give public notice of any proposed rule, prior to its effective date, ~~in one or more newspaper of general circulation by posting the public notice and the proposed rule on the Department's public web page and in no case shall the publication be less than ten days prior to the effective date of the proposed rule, or an amendment to the rule. Such public notice shall include information concerning where the rule can be reviewed and where comments may be directed;~~

(Omitted text is unaffected by this ordinance)

SECTION 3. Section 4-156-321 of the Municipal Code of Chicago is hereby amended by deleting the language stricken through and by inserting the language underscored, as follows:

4-156-321 Contingent approval.

(Omitted text is unaffected by this ordinance)

The contingent approval shall be valid for ~~six~~ twelve months from the date of issuance, but the license shall not issue until all necessary approvals have been received.

(Omitted text is unaffected by this ordinance)

SECTION 4. Section 4-290-010 of the Municipal Code of Chicago is hereby amended by inserting the language underscored, as follows:

4-290-010 Registration required.

It shall be unlawful for any person to engage in the business of electrical contractor, as defined in Section 4-290-020, without holding a valid certificate of registration as an electrical contractor obtained in accordance with this chapter.

The commissioner may, by rule, create classes of electrical contractors consistent with the different types of supervising electrician examinations prepared pursuant to Section 4-292-020(b), and it shall be unlawful for any electrical contractor to perform work beyond the scope of the class stated on the contractor's certificate of registration.

SECTION 5. Section 13-20-520 of the Municipal Code of Chicago is hereby repealed in its entirety, and replaced with a new Section 13-20-50, underscored as follows:

13-20-520 Penalties

(a) (1) Any person who violates Section 13-20-550 pertaining to a static image display sign or its support structure shall be fined not less than \$7,500.00 nor more than \$10,000.00 for each offense, unless such person can show, by a preponderance of the evidence, that the square footage of the sign is: (i) from 200 to 499 square feet, per face, in which case a fine of not less than \$2,000.00 nor more than \$5,000.00 shall apply; (ii) from 100 to 199 square feet, per face, in which case a fine of not less than \$1,000.00 nor more than \$2,000.00 shall apply; or (iii) from zero to 99 square feet, per face, in which case a fine in accordance with Section 13-12-040 shall apply. Any person who violates Section 13-20-550 pertaining to a dynamic image display sign, regardless of the size of the sign or its support structure, shall be fined not less than \$10,000.00 nor more than \$15,000.00 for each offense. Each day that a violation continues shall constitute a separate and distinct offense.

(2) The fines set forth in subsection (a)(1) of this section shall also apply, on a per offense and per day basis, to any person who continues to display or maintain any sign for which such person's sign permit has been revoked pursuant to Section 13-20-645.

(3) In all cases where no specific penalty is provided for in this Article, any person erecting, owning, operating, or maintaining, or in charge, possession or control of, any sign or its support structure who violates this Article shall be fined in accordance with Section 13-12-040 for each offense. Each day that a violation continues shall constitute a separate and distinct offense.

(b) In addition to any other fine or penalty provided, if, on three separate occasions in any 12-month period, any registered electrical contractor, a registered sign contractor, or bonded sign erector erects, installs, alters, repairs, enlarges, or illuminates any sign or structure covered by the provisions of this Article, without first having obtained any permit required under this Code, such person's certificate of registration, bond, and all permit privileges may be subject to suspension, under Section 13-20-600 of this Code, or revocation.

(c) In addition to any other fine or penalty provided, for any sign found not in compliance with the provisions of this Article, the Building Commissioner may compel the cessation of electrical current to any electrical equipment on such sign or structure.

(d) In addition to any other penalty or fine provided in this Code, any person who derives profits or revenue from one or more third parties from leasing space on a sign that is maintained, erected, installed, altered, repaired, or enlarged in violation of this chapter or Section 10-28-010 shall disgorge all profits or revenues derived from such sign upon determination, either by an administrative hearing officer or a court of competent jurisdiction, that the sign was unlawfully maintained, erected, installed, altered, repaired, or enlarged in violation of this Article or Section 10-28-010. The provisions of this section apply to the owner of the sign and the owner of the property on which the sign is located.

The disgorgement of profits or revenue shall be remitted to the City.

SECTION 6. Section 13-20-590 of the Municipal Code of Chicago is hereby repealed in its entirety and replaced with a new Section 13-20-590, underscored as follows:

13-20-590 Construction contrary to permit.

It shall be unlawful for any person to erect, alter, maintain or repair any sign, signboard or sign structure or to illuminate any sign, signboard or sign structure contrary to the approved permit. Any such erection, alteration, maintenance or repair shall invalidate the permit.

SECTION 7. Section 13-20-680 of the Municipal Code of Chicago is hereby amended by deleting the language stricken through and by inserting the language underscored, as follows:

13-20-680 Council approval.

A City Council order for any sign which exceeds 100 feet² (9.3 m²) in area or any roof or ground sign, structure or signboard over 24 feet (7.32 m) in height, excluding city digital signs identified in a coordinated city digital sign program agreement entered into pursuant to Section 10-28-046, or identified in an amendment to such a program agreement approved by the City Council ~~committee~~, shall be required in addition to the normal permit. When the complete application for a permit for such sign is filed with the Building Commissioner, the applicant shall submit a duplicate of the complete application to the alderman of the ward in which the sign is to be located along with the order template required by the City Council committee. At the time the duplicate is submitted to the alderman, the applicant shall (except as to such excluded city digital signs) submit to the City Clerk an order for the sign on the order template required by the committee for introduction at the next regular meeting of the City Council, and proof that the public notice provided for in this section has been given and a list of all persons who have been given such notice. The ~~council~~ Council order, upon being introduced to the ~~council~~ Council, shall be forwarded to the appropriate City Council committee for hearing. Prior to filing its order with the City Clerk, the applicant for the permit (except as to such excluded city digital signs) shall give notice to all voters registered at addresses within 250 feet (76.2 m) of the proposed sign location.

(Omitted text is unaffected by this ordinance)

SECTION 8. Section 13-60-100 of the Municipal Code of Chicago is hereby amended by deleting the language stricken through and by inserting the language underscored, as follows:

13-60-100 Types of construction – Fire resistive requirements.

The fire-resistive values required for the various elements for each type of construction shall be as established in Table 13-60-100 as set out following this section and Section 13-60-110.

**Table 13-60-100
REQUIRED HOURS OF FIRE RESISTANCE FOR TYPES OF CONSTRUCTION**

(Omitted text is unaffected by this ordinance)

(n) ~~In I-A construction fire resistance of floor construction may be reduced from three hours to two hours when the building is equipped throughout with an approved automatic sprinkler system which is supervised and provided with a two source water supply, one of which shall be provided with an emergency power supply as defined in Section 15-16-180.~~
[Reserved.]

(Omitted text is unaffected by this ordinance)

SECTION 9. Section 13-96-470 of the Municipal Code of Chicago is hereby amended by inserting the language underscored, as follows:

13-96-470 General Requirements

(a) No person shall erect, occupy or use any tent having a surface area greater than 240 square feet without first obtaining a permit therefor from the department of buildings; provided that no building permit shall be required for a tent or similar temporary structure having a surface area of 400 feet or less, if the tent or similar temporary structure will be erected, occupied or used for no more than 60 consecutive days.

(Omitted text is unaffected by this ordinance)

(d) Tents and canopies shall be located not less than ~~20~~ 12 feet from any other building or structure excepting, however, where a covered passageway is desired, a tent or canopy may be connected to a permanent building by means of a canopy.

(Omitted text is unaffected by this ordinance)

SECTION 10. Section 13-96-840 of the Municipal Code of Chicago is hereby amended by inserting the language underscored, as follows:

13-96-840 Inspection.

Within two years after the date on which an exposed metal structure or its supporting structure is erected or installed upon or above the roof of any building, and at least once every five years thereafter, it shall be the duty of the owner, agent or person in charge of such building to subject the exposed metal structure and its supporting structure to a critical examination by an architect or structural engineer holding a valid license in the State of Illinois. After examining the exposed metal structure and its supporting structure, as applicable, the licensed architect or licensed structural engineer shall prepare a written report attesting to its external structural condition and integrity. The building commissioner shall specify by rule the classes of exposed metal structures for which the report must be filed with the city; for such structures, Two copies of the report shall be submitted to the building commissioner, along with a report review filing fee of \$25.00 established by rule, which shall be payable to the department of finance. Provided, however, only one filing fee shall apply to a combined report meeting the requirements of this section and Section 13-196-035. If the report is satisfactory to the building commissioner, one copy of the report, bearing the building commissioner's stamp of approval shall be returned by the building commissioner to the owner, agent or person in charge of the building identified in the report. If the report is not satisfactory to the building commissioner, Section 13-96-860 shall apply. Any person who violates this section shall be fined not less than \$100.00 nor more than \$500.00 for each offense in accordance with Section 13-12-040. Each day that a violation continues shall constitute a separate and distinct offense.

SECTION 11. Section 13-196-200 of the Municipal Code of Chicago is hereby amended by deleting the language stricken through and by inserting the language underscored, as follows:

13-196-200 Standard fire alarm system requirements.

(Omitted text is unaffected by this ordinance)

(2) Type I or Type II schools: Buildings over one story in height shall be equipped with a Class I system;

Any Type I school operating as or containing a day care center Class I, as defined in Section 13-4-010, shall comply with fire alarm system requirements applicable to Type III schools;

(3) ~~Type I or Type III schools:~~ Class I system;

(Omitted text is unaffected by this ordinance)

SECTION 12. The header of Section 14E-9-004 of the Municipal Code of Chicago is hereby amended by deleting the language stricken through and by inserting the language underscored, as follows:

14E-9-004 Radius of Conduit and Tubing Bends Dimension and Percent Area of Conduit and Tubing

SECTION 13. Notwithstanding the provisions of Sections 6 and 7 of SO2017-3889, which were adopted September 9, 2016, and the amendments to Section 13-12-126 effected by SO2016-4003, which were adopted July 20, 2016, and the amendments to Sections 13-12-125(a)(3) and 13-12-126 effected by SO2017-3889, which were adopted September 9, 2016, Section 13-12-125(a)(3) and Section 13-12-126 shall take effect on a date determined by the Commissioner of Buildings, but in the absence of such determination shall take full force and effect on January 1, 2019. The Commissioner of Buildings shall notify the public of the effective date of the amendments to Section 13-12-125(a)(3) and Section 13-12-126 by posing a notice on the Department of Buildings public website no less than ten days in advance of such effective date.

SECTION 14. On November 21, 2017, the City Council passed the Revenue Ordinance for 2018, which included an amendment to Code Section 4-288-150. It was subsequently determined that this amendment was a scrivener's error, because there is no Section 4-288-150 in the Municipal Code and no intent to create it. Accordingly, the aforementioned amendment to Section 4-288-150 is deemed to be of no force and effect, and publishers of the Municipal Code are directed to not include Section 4-288-150 in their Code publications.

**ARTICLE VI.
EFFECTIVE DATES**

SECTION 1. Articles I and II of this Ordinance shall take full force and effect upon its passage and publication. On or after the effective date of Articles I and II, but before the effective date of Article III, the Commissioner of Buildings may allow a permit applicant to proceed under the provisions of either Title 14C or the provisions to be repealed by Article III.

SECTION 2. Article III of this Ordinance shall take full force and effect on October 1, 2018. On and after that date, any citation issued for a violation of a provision repealed by Article III of this Ordinance shall be deemed issued under the corresponding section of Title 14C of this Code. The repeal of these sections shall not affect any offense committed or any penalty or punishment incurred pursuant to those sections before the repeal took effect.

SECTION 3. Articles IV and V of this Ordinance shall take full force and effect upon its passage and approval.

SECTION 4. The repeal and replacement of Section 13-20-520 shall not affect any proceedings under or otherwise involving that section.