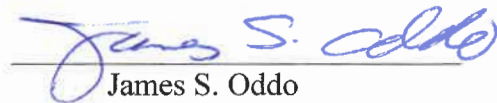


NEW YORK CITY DEPARTMENT OF BUILDINGS

NOTICE OF ADOPTION OF RULE

NOTICE IS HEREBY GIVEN, pursuant to the authority vested in the Commissioner of Buildings by Section 643 of the New York City Charter and in accordance with Section 1043 of the Charter, that the Department of Buildings hereby adopts the renumbering and amendment of Section 908-01 of Chapter 900 and the addition of a new section 3616-08 to Chapter 3600 of Title 1 of the Official Compilation of the Rules of the City of New York, regarding installation and location of carbon monoxide detectors. This rule was first published on November 12, 2024, and a public hearing thereon was held on December 12, 2024.

Dated: 12/18/24
New York, New York


James S. Oddo
Commissioner

Statement of Basis and Purpose

Local Law 126 of 2021 became effective on November 7, 2022. Among other changes, Local Law 126 amended provisions of the New York City Building Code relating to carbon monoxide detectors.

This rule amends section 908-01 of chapter 900 of Title 1 of the Rules of the City of New York to reflect these changes. Specifically:

- Section 908-01 is renumbered section 915-01.
- The reference to occupancy groups E, I-2, I-4, and R-2 in what was subdivision (c) of section 908-01 is removed.
- The NFPA 720 amendments currently set forth in subdivision (i) of section 908-01 are removed and relocated to new section 3616-08.
- Visual notification appliance installation requirements are added to the redesignated section 915-01.

Chapter 3600 of Title 1 of the Rules of the City of New York is amended to add a new section 3616-08 that:

- Incorporates the NFPA 720 amendments that have been removed from section 908-01.
- Includes broader requirements for visual notification appliances for occupancy groups A-1, A-2, A-3, B, and M.

The Department of Buildings' authority for these rules is found in sections 643 and 1043 of the New York City Charter and sections 915.1.2, 915.3, 915.4, and 915.6 of the New York City Building Code.

New material is underlined.

[Deleted material is in brackets.]

Asterisks (***) indicate unamended text.

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

Section 1. Section 908-01 of Title 1 of the rules of the city of New York is hereby renumbered as section 915-01 and, as renumbered, is amended to read as follows:

§ [908-01] 915-01 Carbon Monoxide Detectors.

- (a) *Scope.* Pursuant to [sections 908.7.2 and 908.7.3] section 915.1.2 of the Building Code (BC), listed carbon monoxide (CO) detectors [required to be installed in E, I-2 and I-4 occupancies and] must be installed in buildings equipped with a fire alarm system that

contain Group A-1, A-2, A-3, B or M occupancies, as defined in BC Chapter 3[, must be installed in accordance with the requirements of this section]. Such listed carbon monoxide detectors must be connected to the fire alarm system control panel and installed in accordance with the requirements of this section.

[(1) These requirements do not apply to those R-2 occupancies that are adjacent to or above those occupancies classified in this section.

(2) Pursuant to BC section 908.7.3.1, existing buildings must comply with the requirements of this subdivision by July 1, 2021.]

(b) **Reference.** See section 28-315.11 of the New York City Administrative Code (AC), and BC sections [908.7.2, 908.7.3, 908.7.3.1 and 908.7.4] 915.1.2, 915.3, 915.4, and 915.6.

(c) **Group [E, I-2 and I-4] A-1, A-2, A-3, B or M occupancies.** CO detectors with built-in sounder bases [installed in E, I-2 and I-4 occupancies in accordance with] meeting the requirements of BC [908.7.2] section 915.6 and subdivision (g) of this section must be installed in the following locations:

(1) Any room containing [carbon monoxide-producing] CO-producing equipment[, except kitchens and laboratories].

(2) Any [corridor on the story where carbon monoxide-producing equipment unit is located, as well as one story above and one story below] interior space or area immediately adjacent to a CO-producing source, including the vertical projection of the immediate area of the floor above the CO-producing source and the immediate area of the floor below the CO-producing source.

(3) Any [corridor on the story where] interior space or area immediately adjacent to an enclosed parking garage or a loading dock [is located], [as well as one story above and one story below] including the vertical projection of the immediate area of the floor above the enclosed parking garage or loading dock and the immediate area of the floor below the enclosed parking garage or loading dock.

(4) Any parking attendant's office or booth located within an enclosed parking garage or loading dock.

(5) As an alternative to installation as provided in paragraphs (1) through (4) of this subdivision and subject to the Department's approval, in locations determined by a performance-based design that is in accordance with section 5.8.5.3.2 of reference standard National Fire Protection Association ("NFPA") 720 – 2015 edition.

(d) **[Group A-1, A-2 and A-3 occupancies.** CO detectors with built-in sounder bases installed in buildings that are equipped with a fire alarm system and that contain A-1, A-2 or A-3 occupancies must be installed in the following locations:

(1) Any room containing CO-producing equipment, except kitchens.

- (2) Any occupiable room or space on the same floor as, one story above, or one story below the CO-producing equipment that is at least 75 square feet and is not provided with mechanical ventilation.
 - (3) Any corridor on the story where enclosed parking or a loading dock is located, as well as one story above and one story below.
 - (4) Any parking attendant's office or booth located within an enclosed garage or loading dock.
 - (5) As an alternative to installation as provided in paragraphs (1) through (4) of this subdivision and subject to the Department's approval, in locations determined by a performance-based design that is in accordance with Section 5.8.5.3.2 of reference standard National Fire Protection Association (NFPA) 720 and approved by the Department.
- (e) **Group B and M occupancies.** CO detectors with built-in sounder bases installed in buildings that are equipped with a fire alarm system and that contain Group B or M occupancies must be installed in the following locations:
- (1) Any room containing CO-producing equipment, except kitchens.
 - (2) Any corridor on the story where carbon monoxide-producing equipment unit is located, as well as one story above and one story below.
 - (3) Any corridor on the story where enclosed parking or a loading dock is located, as well as one story above and one story below.
 - (4) Any parking attendant's office or booth located within an enclosed garage or loading dock.
 - (5) As an alternative to installation as provided in paragraphs (1) through (4) of this subdivision and subject to the Department's approval, in locations determined by a performance-based design that is in accordance with Section 5.8.5.3.2 of reference standard National Fire Protection Association (NFPA) 720 and approved by the Department.
 - (6) Detection zones:
 - (i) Detection zones less than 10,000 square feet. Where carbon monoxide detection is required to be provided in a detection zone having an area less than 10,000 square feet, the carbon monoxide detection shall be placed in a central location within such detection zone.
 - (ii) Detection zones 10,000 square feet or greater. Where carbon monoxide detection is required to be provided in a detection zone having an area

10,000 square feet or greater, carbon monoxide detection shall be placed in a central location within such detection zone and at such additional locations with such detection zone as may be necessary to assure that no point in the detection zone is more than 100 feet from carbon monoxide detection.

- (7) Definition of detection zone. The term “detection zone” as used in this section means a story of a building.

Exceptions.

- (i) If a story is arranged so that two or more separate carbon monoxide producing HVAC systems are used to serve separate portions of the story, each such portion of the story shall be deemed to be a separate detection zone.
- (ii) If a portion of a story is used as a garage, the portion used as a garage shall not be deemed to be a detection zone and the portion not used as a garage shall be deemed to be a detection zone; and
- (iii) If an entire story is used as a garage, such story shall not be deemed to be a detection zone.

(f) **Equipment shutdown.** Activation of a CO detector located at the source of CO-producing equipment must shut down that source pursuant to BC section 915.3.1.

Exception: This provision does not apply where the source is a generator.

[(g)] (e) **Installation requirements.** CO detectors must be installed in accordance with NFPA 720 – 2015 edition, as modified for New York City by [this] section 3616-08 of these rules.

[(h)] (f) **Fire alarm control units.** [The] CO detectors must be connected and monitored at the fire alarm control panel or Fire Command Center. Pursuant to the provisions of section 23.8.2.2 of NFPA 72 – [2010 regarding having] 2016, if there is insufficient space in the existing fire alarm control panel to monitor the carbon monoxide detectors, a new separate fire alarm control panel [apply to CO detectors] may be installed. However, the new fire alarm control panel must function as if it were part of the original building fire alarm system, and such dedicated function fire alarm control panel must be interconnected with the building’s master fire alarm control panel or Fire Command Station.

(g) Visual Notification Appliance Installation Requirements. In Group A-1, A-2, A-3, B or M occupancies where CO detection is required, visual notification appliances required by Section 6.4.1.1 of NFPA 720 – 2015, must be installed in accordance with this subdivision.

- (1) Visual notification appliance devices must be installed within 10 feet of any CO detector.
- (2) Where multiple detectors are within the same zone, circuit activation is acceptable.
- (3) A permanently identified lamacoid label or a permanent marking on the device with the wording “ALERT”, “EMERGENCY” or “CARBON MONOXIDE” must be either affixed to the device or within the vicinity of the visual appliance device employed by the fire alarm system.
- (4) A visual notification appliance device must not have the word “FIRE”, or any fire symbol, in any form (i.e., stamped, imprinted, etc.) in any location on the device that is visible to the public. A notification appliance device with multiple visible elements is permitted to have “FIRE” markings only on those visible elements used for fire signaling.
- (5) The lens of the notification appliance device for the carbon monoxide system must be amber in color.

[(i) NFPA 720 amendments. Pursuant to Section 28-103.19 of the New York City Administrative Code, the New York City modifications to reference standard NFPA 720 – 2015 are as follows:

- (1) Section 2.1 is revised by adding the following at the end: “Where a referenced publication has been modified for the City of New York by the New York City Building Code, every reference to such publication shall be deemed to include all such modifications.”
- (2) Section 2.2 is deleted and a new section 2.2 is added to read as follows:

2.2 NFPA Publications. National Fire Protection Association, 1 Batterymarch Park, Quincy, MA 02169-7471.

NFPA 70®, *National Electrical Code*®, as modified and incorporated into the New York City Electrical Code.

NFPA 72®, *National Fire Alarm and Signaling Code*, as modified and incorporated into Appendix Q of the New York City Building Code.

NFPA 101®, *Life Safety Code*®, as listed in Chapter 35 of the New York City Building Code.

NFPA 110, *Standard for Emergency and Standby Power Systems*, as listed in Chapter 35 of the New York City Building Code.

NFPA 111, *Standard on Stored Electrical Energy Emergency and Standby Power Systems*, as listed in Chapter 35 of the New York City Building Code.

- (3) Section 2.3.4 is deleted and a new section 2.3.4 is added to read as follows:

Section 2.3.4 UL Publications. Underwriters Laboratories Inc., 333 Pfingsten Road, Northbrook, IL 60062-2096.

ANSI/UL 1971, *Standard for Safety Signaling Devices for Hearing Impaired*, 2002, revised 2013.

ANSI/UL 2034, *Standard for Single and Multiple Station Carbon Monoxide Alarms*, as listed in Chapter 35 of the New York City Building Code.

ANSI/UL 2075, *Standard for Gas and Vapor Detectors and Sensors*, as listed in Chapter 35 of the New York City Building Code.

- (4) Section 4.4.1.1 is deleted and a new section 4.4.1.1 is added to read as follows:

Section 4.4.1.1 Carbon monoxide detection system plans and specifications must be developed in accordance with the New York City Building Code by persons who are New York State Registered Design Professionals and experienced in the proper design, application and testing of carbon monoxide detection systems.

- (5) Sections 4.4.1.2, 4.4.1.3 and 4.4.1.4 are deleted in their entirety.

- (6) Section 4.4.2.1 is revised to add the following at the beginning: “Carbon monoxide systems installations must be performed by a New York City Licensed electrical contractor.”

- (7) Section 4.4.3.1 is revised to add the following at the beginning: “Carbon monoxide inspection, testing, maintenance and repair may be performed by a New York City Licensed electrical contractor holding a New York State registration for Business of Installing, Servicing or Maintaining Security or Fire Alarm Systems or by those fire alarm companies holding a New York State registration for Business of Installing, Servicing or Maintaining Security or Fire Alarm Systems. The rules and regulations of the Fire Department shall apply as appropriate.”

- (8) Section 5.8.5.3.1 is amended by substituting 5.8.5.3.1(2) with the following:

- (2) On every level requiring detection and in every HVAC zone of the space requiring detection.

- (9) Section 9.4.1.1 is deleted in its entirety.]

§2. Chapter 3600 of Title 1 of the Rules of the City of New York is amended by adding a new section 3616-08 to read as follows:

§3616-08 National Fire Protection Association (“NFPA”) 720 amendment relating to the installation and location of carbon monoxide detectors.

Pursuant to section 28-103.19 of the New York City Administrative Code, NFPA 720 (2015 edition) is hereby amended as follows:

2.1 Add language at the end of the paragraph to read as follows: “Where a referenced publication has been modified for the City of New York by the New York City Building Code, every reference to such publication shall be deemed to include all such modifications.”

2.2 Delete and replace with the following:

2.2 NFPA Publications. National Fire Protection Association, 1 Batterymarch Park, Quincy, MA 02169- 7471.

NFPA 70®, National Electrical Code®, as modified and incorporated into the New York City Electrical Code.

NFPA 72®, National Fire Alarm and Signaling Code, as modified and incorporated into Appendix Q of the New York City Building Code.

NFPA 101®, Life Safety Code®, as listed in Chapter 35 of the New York City Building Code.

NFPA 110, Standard for Emergency and Standby Power Systems, as listed in Chapter 35 of the New York City Building Code.

NFPA 111, Standard on Stored Electrical Energy Emergency and Standby Power Systems, as listed in Chapter 35 of the New York City Building Code.

2.3.4 Delete and replace with the following:

Section 2.3.4 UL Publications. Underwriters Laboratories Inc., 333 Pfingsten Road, Northbrook, IL 60062-2096.

ANSI/UL 1971, Standard for Safety Signaling Devices for Hearing Impaired, 2002, revised 2013.

ANSI/UL 2034, Standard for Single and Multiple Station Carbon Monoxide Alarms, as listed in Chapter 35 of the New York City Building Code.

ANSI/UL 2075, Standard for Gas and Vapor Detectors and Sensors, as listed in Chapter 35 of the New York City Building Code.

4.4.1.1 Delete and replace with the following:

Section 4.4.1.1 Carbon monoxide detection system plans and specifications must be developed in accordance with the New York City Building Code by persons who are New York State Registered Design Professionals and experienced in the proper design, application and testing of carbon monoxide detection systems.

4.4.1.2, 4.4.1.3 and 4.4.1.4 Delete and replace with the following: DELETED.

4.4.2.1 Add the following at the beginning: “Carbon monoxide systems installations must be performed by a New York City licensed electrical contractor.”

4.4.3.1 Add language at the beginning of the paragraph to read as follows: “Carbon monoxide system inspection, testing, and maintenance shall be performed by a New York City licensed electrical contractor holding a New York State registration for ‘Business of Installing, Servicing or Maintaining Security or Fire Alarm Systems’ or those fire alarm companies holding a New York State registration for ‘Business of Installing, Servicing or Maintaining Security or Fire Alarm Systems,’ and in accordance with rules and regulations promulgated by the Fire Commissioner.”

5.8.5.3.1(2) Delete and replace with the following:

(2) On every level requiring detection and in every HVAC zone of the space requiring detection.

6.4.1.1 Delete and replace with the following:

Section 6.4.1.1 An average ambient sound level greater than 105 dBA shall require the use of a visible notification appliance(s) in accordance with Section 6.5 where the application is public mode or Section 6.6 where the application is private mode, except for in Group A-1, A-2, A-3, B or M occupancies.

(1) In Group A-1, A-2, A-3, B or M occupancies, the use of a visible notification appliance shall be required to be installed where CO detection is required in subsection (c) of section 915-01 of the rules of the City of New York [72:18.4.1.1]

9.4.1.1 Delete and replace with the following: DELETED.