



Legislation Text

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Int. No. 1099-A

By Council Members Richards, Chin, James, Koo, Lander, Mendez, Recchia, Rose, Barron, Van Bramer, Gennaro, Rodriguez, Jackson and Williams

A Local Law to amend the New York city building code and the New York city mechanical code, in relation to preventing wind damage to certain buildings and systems.

Be it enacted by the Council as follows:

Section 1. Section 1609.1.2 of the New York city building code, as amended by a local law of the city of New York for the year 2013 amending the administrative code of the city of New York, the New York city plumbing code, the New York city building code, the New York city mechanical code and the New York city fuel gas code, relating to bringing such codes up to date with the 2009 editions of the international building, mechanical, fuel gas and plumbing codes, as proposed in Intro. 1056, is amended to read as follows:

**1609.1.2 [Reserved.] Protection from wind borne debris.** The following buildings shall be protected with an impact-resistant covering or glazing in accordance with the Missile Levels and Wind Zones specified in ASTM E1886 and ASTM E1996 or other approved test methods and performance criteria:

1. Buildings in Structural Occupancy Category IV, as defined in Table 1604.5, located in Exposure C or D, as defined in Section 1609.4;

2. Buildings in Structural Occupancy Category III, as defined in Table 1604.5, located in Exposure D, as defined in Section 1609.4, where the glazing of such building encloses places of assembly for 300 or more persons or areas of in-place shelter.

**Exception:** Glazing protection in accordance with Section 1609.1.2 shall not be required if the glazing is located more than 60 feet (18 288 mm) above the ground and more than 30 feet (9144 mm) above

aggregate-surfaced roofs, including roofs with gravel or stone ballast located within 1,500 feet (457.2 m) of the building.

**1609.1.2.1 Louvers.** Louvers protecting intake and exhaust ventilation ducts not assumed to be open that are located within 30 feet (9144 mm) of grade shall meet the requirements of an approved impact-resisting standard or the large missile test of ASTM E 1996.

**1609.1.2.2 Garage doors.** Garage door glazed opening protection for wind-borne debris shall meet the requirements of an approved impact-resisting standard or ANSI/DASMA 115.

§ 2. Chapter 4 of the New York city mechanical code, as amended by a local law of the city of New York for the year 2013 amending the administrative code of the city of New York, the New York city plumbing code, the New York city building code, the New York city mechanical code and the New York city fuel gas code, relating to bringing such codes up to date with the 2009 editions of the international building, mechanical, fuel gas and plumbing codes, as proposed in Intro. 1056, is amended by adding a new section 401.6.1 to read as follows:

**401.6.1 Wind-driven rain rating.** All exterior louvers for building ventilation systems shall either:

1. Receive an A rating according to AMCA Standard 550 for wind-driven rain penetration for a 50 mile per hour (80.4 km/h) wind velocity with a rainfall rate of eight inches (203 mm) per hour; or
2. Be installed on a plenum configured to intercept any wind-driven rain penetrating the louver and to prevent the rain from entering the building ductwork system. Such plenum shall be waterproofed and equipped with a drainage system to convey water penetrating the louver to storm or sanitary drains.

§ 3. Chapter 5 of the New York city mechanical code, as amended by a local law of the city of New York for the year 2013 amending the administrative code of the city of New York, the New York city plumbing code, the New York city building code, the New York city mechanical code and the New York city fuel gas code, relating to bringing such codes up to date with the 2009 editions of the international building, mechanical, fuel gas and plumbing codes, as proposed in Intro. 1056, is amended by adding a new section 501.2.2.1 to read

as follows:

**501.2.2.1 Wind-driven rain rating.** All exterior louvers for building exhaust systems shall either:

1. Receive an A rating according to AMCA Standard 550 for wind-driven rain penetration for a 50 mile per hour (80.4 km/h) wind velocity with a rainfall rate of eight inches (203 mm) per hour; or
2. Be installed on a plenum configured to intercept any wind-driven rain penetrating the louver and to prevent the rain from entering the building ductwork system. Such plenum shall be waterproofed and equipped with a drainage system to convey water penetrating the louver to storm or sanitary drains.

§ 4. Chapter 35 of the New York city building code, as amended by a local law of the city of New York for the year 2013 amending the administrative code of the city of New York, the New York city plumbing code, the New York city building code, the New York city mechanical code and the New York city fuel gas code, relating to bringing such codes up to date with the 2009 editions of the international building, mechanical, fuel gas and plumbing codes, as proposed in Intro. 1056, is amended by adding new reference standards ASTM E 1886, ASTM E 1996, and ANSI/DASMA 115 to read as follows:

## **ASTM**

ASTM International 100 Barr Harbor Drive West Conshohocken, PA 19428-2959

<u>Standard Reference Number</u>	<u>Title</u>	<u>Referenced in code section number</u>
<u>E 1886-06</u>	<u>Standard Test Method for Performance of Exterior Doors, and Impact Protective Systems Impacted to Cyclic Pressure Differentials</u>	<u>609.1.2</u>
<u>E 1996-09</u>	<u>Standard Specification for Performance of Exterior Doors, and Impact Protective Systems Impacted by Hurricanes</u>	<u>609.1.2, 1609.1.2.1</u>

## **DASMA**

Door and Access Systems Manufacturers Association International 1300 Su  
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<u>Standard reference number</u>	<u>Title</u>	<u>Referenced in code section number</u>
<u>115-05</u>	<u>Standard Method for Testing Sectional Rolling Doors: Determination of Strength Under Missile Impact and Cyclic Wind</u>	<u>609.1.2.2</u>

§ 5. Chapter 15 of the New York city mechanical code, as amended by a local law of the city of New York for the year 2013 amending the administrative code of the city of New York, the New York city plumbing code, the New York city building code, the New York city mechanical code and the New York city fuel gas code, relating to bringing such codes up to date with the 2009 editions of the international building, mechanical, fuel gas and plumbing codes, as proposed in Intro. 1056, is amended by adding new reference standard AMCA 550 as follows:

<b><u>AMCA</u></b>	<u>Air Movement and Control Association International 30 West Univ</u>	
<u>Standard</u>	<u>Title</u>	<u>Referenced in</u>
<u>Reference</u>		<u>code section</u>
<u>Number</u>		<u>number</u>
<u>550-09</u>	<u>Test Method for High Velocity</u>	<u>W401.6.1, 501.2.2.1</u>
	<u>Resistant Louvers</u>	

§ 6. This local law shall take effect on the same date as a local law of the city of New York for the year 2013 amending the administrative code of the city of New York, the New York city plumbing code, the New York city building code, the New York city mechanical code and the New York city fuel gas code, relating to bringing such codes up to date with the 2009 editions of the international building, mechanical, fuel gas and plumbing codes, as proposed in Intro. 1056, takes effect.

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