

BUILDINGS BULLETIN 2012-001
OTCR

Supersedes: None

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Purpose: This document establishes acceptance criteria for buffers, interlocks, elevator entrances, wedge shackles, elevator governors, and elevator brakes in accordance with the 2008 NYC Construction Codes.

Related Code/Zoning Section(s):	AC 28-304	BC 3001.9	1 RCNY 11-01
	AC 28-113.2.3		1 RCNY 101-07

Subject(s): Buffers, interlocks, elevator entrances, wedge shackles, elevator governors, and elevator brakes

Background: Section BC 3001.9 requires specific elevator equipment to be approved by the Commissioner. This bulletin establishes the requirements for the approval of buffers, interlocks, elevator entrances, wedge shackles and elevator governors. In addition, because of their safety importance, this bulletin establishes requirements for elevator brakes.

Description: Buffers, interlocks, elevator entrances, wedge shackles, elevator governors, and elevator brakes are safety components of an elevator assembly.

Evaluation Scope: 2008 NYC Construction Codes

Evaluation Criteria: Pursuant to section AC 28-113, the Office of Technical Certification and Research (“OTCR”) recognizes buffers, interlocks, elevator entrances, and wedge shackles designed, tested and evaluated in accordance with ASME A17.1 type tests, as modified by Appendix K, “*Safety Code for Elevators and Escalators*”¹. Acceptable buffers, interlocks, and elevator entrances, shall be tested and listed by an approved agency in accordance with section AC 28-113.2.3 and shall comply with the conditions of this bulletin. Approved wedge shackles shall conform to the requirements of this bulletin. Elevator governors and elevator brakes shall be subject to Department field acceptance testing. The following table summarizes evaluation criteria required under this bulletin:

Elevator Component	Standard/Test	Certification Requirements
Buffer	ASME A17.1, section 8.3.2	listed & labeled
Interlock	ASME A17.1, section 8.3.3	listed & labeled
Elevator entrance	ASME A17.1, section 8.3.3 UL 10B or NFPA 252	listed & labeled
Wedge shackle	ASME A17.1, section 2.20/2.20.9.5.1, 20.9.5.2, 20.9.5.3	conformance to standard
Elevator governors	Field acceptance testing of installed component by Elevator Division	
Elevator brakes	Field acceptance testing of installed component by Elevator Division	

Conditions of Acceptance: Buffers, interlocks, elevator entrances, wedge shackles, elevator governors, and elevator brakes shall comply with the 2008 NYC Construction Codes and the following:

A. Design

Buffers, interlocks, elevator entrances, wedge shackles, elevator governors and elevator brakes shall be designed in accordance with the 2008 NYC Construction Codes, manufacturer's recommendations, and all applicable listing conditions.

B. Installation Requirements

Installation requirements shall be in accordance with the manufacturer's instructions, the applicable listing, and the conditions of this bulletin.

C. Inspections

Inspection and testing of elevators shall be in accordance with sections AC 28-304, BC Chapter 30, BC Appendix K and the requirements of 1 RCNY 11-01, 1 RCNY 101.07 and all other applicable codes.

D. Labeling and Availability of Certification

1. Buffers, interlocks and elevator entrances shall be labeled as per section AC 28-113.2.3. All shipments and deliveries of materials shall be accompanied by a certificate or label certifying that the materials shipped or delivered are equivalent to those tested and approved.
2. Certification documentation for buffers, interlocks, elevator entrances and wedge shackles shall be available at the site when filing for new installations, alterations or periodic inspections.

Referenced Standards: 1. ASME 17.1-00 as modified in Appendix K with Supplements, ASME 17.1a-02 and ASME 17.b-03 "Safety Code for Elevators and Escalators"