



NYC Department of Buildings
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Patricia Lancaster, FAIA, Commissioner
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Report of Materials and Equipment Acceptance Division

Pursuant to Administrative Code Section 27-131, the following equipment or material has been found acceptable for use subject to the terms and conditions contained herein.

MEA 545-06-M

Manufacturer: Century Chute & Supply, 105 Industrial Drive,
Minooka, IL 60447

Trade Name(s): Century

Product: Chute type fire doors for use in gravity type rubbish
and linen chutes

Pertinent Code Section(s): 27-329, 27-342, 27-875

Prescribed Test(s): RS 5-19 (ASTM E152)

Laboratory: Underwriters Laboratories, Inc.

Test Report(s): UL File R18916, dated December 10, 1998
Project 02NK28623, dated November 19, 1998
Project 02NK15146, dated April 30, 2002

Description: Chute-type fire door, Models W and M, are designed for use in gravity type rubbish and linen chutes. They are bottom-hinged and side-hinged intake and top-hinged discharge chute fire door and frame assemblies intended for masonry or drywall and for 1½ hour fire-rated location.

Door and Frame Sizes:

The frame shall not exceed 27¼" in width and 27¼" in height for the intake type and 31¼" in width by 39¼" in height for the discharge type.

The intake door shall not exceed 24" in width and 24" in height and the discharge door shall not exceed 28" in width by 36" in height.

Doors intended for installation in drywall construction shall not exceed 21” in width or 18” in height.

The doors shall be 1 3/16” thick. A 22 GA or 20 GA stainless steel trim molding may be provided and fastened to the frame face by machine screws.

Door Closer

Type M Door – The side-hinged intake door shall be provided with a hydraulic door closer manufactured by Mpowr Products, Inc., Model 800.

The bottom-hinged intake door shall be provided with a hydraulic door closer manufactured by Wright Products, Walach Mfg. Co., Stanley Hardware, Suspa, or SPD.

Type W Door – The side-hinged and bottom-hinged intake doors shall be provided with a hydraulic closer manufactured by Walach Mfg. Co., Stanley Hardware or Wright Products.

Pivot and Hinges

Type M Door – These doors shall be provided with continuous Type 16 GA stainless steel hinges with one flange plug or spot-welded to the door at 4-inch centers maximum and the other flange screw fastened to tapped holes in the steel frames. As an alternate, hopper-type doors may be hinged on a shaft.

Type W Door – These side-hinged doors shall be provided with Type 16 GA stainless steel hinges installed and fastened. The hopper-type doors shall be hinged on a shaft.

Latches – The intake doors shall be provided with a single-point latch and the latch shall project not less than 5/16” and 1/16” from the edge of the door.

The discharge door shall be provided with two single-point latches and the steel latch bolt shall project not less than 7/16” from the edge of the door. The latch catch shall be of active type (not equipped with any device or feature that will hold the latch bolt in the retracted position).

Alternate Latches – Side-hinged doors may be provided with Merit Metal Products Corporation, Model 20194 cast-iron type “Rim Night Latch”.

Fusible Links – The fusible links employed on the release mechanism of discharge door shall bear the Listing Mark of Underwriters Laboratories, Inc., with the maximum temperature rating of 160°F.

Release Mechanism – Shall consist of chain and fusible link extending from the frame extension angle to one latch handle of the door leaf.

Clearance – The latches and the doors shall operate freely and with sufficient force to overcome the friction of the latch, thus closing the door.

Anchors – Each chute and door assembly shall be provided with adjustable masonry anchors or the chute and door assembly shall sandwich the drywall wall between the door frame angles and “L” runner welded onto the chute.

Terms and Conditions: The above-described chute type fire door assembly, including frames, self-closing and self-latching devices, hardware and baffle which automatically close off the chute while the hopper is being loaded, are accepted for 1½ hour fire protection rating under the following conditions:

1. The door shall be installed in accordance with the requirements enumerated in Section 27-875 of the New York City Building Code.
2. Chute doors shall not be permitted for use in incinerators.
3. Doors shall be provided with label of testing service of laboratory regularly engaged by the manufacturer to make periodic inspections and/or tests of the doors, hardware and operators in the course of their manufacture.
4. All doors shipped or delivered to the job site, furthermore, shall be provided with a metal tag certifying that the material is equivalent to that tested and acceptable for use, as provided in Section 27-131 of the New York City Building Code.

NOTE: In accordance with Section 27-131(d), all materials tested and accepted for use shall be subject to periodic retesting as determined by the Commissioner; and any material which upon retesting is found not to comply with Code requirements or the requirements set forth in the approval of the Commissioner shall cease to be acceptable for the use intended. During the period for such retesting, the Commissioner may require the use of such material to be restricted or discontinued if necessary to secure safety.

Final Acceptance February 19, 2007

Examined By Simo Derbhadan