



## Report of Materials and Equipment Acceptance Division

NYC Department of Buildings  
280 Broadway, New York, NY 10007  
Patricia Lancaster, FAIA, Commissioner  
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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 181-05-M

**Manufacturer:** Niagara Belco Ltd., 87 Ashley Street, Hamilton, Ontario L8L 5T2.

**Trade Name(s):** Niagara Belco.

**Product:** Fire rated swing type elevators entrance door assembly.

**Pertinent Code Section(s):** 27-342.

**Prescribed Test(s):** RS 5-6 (ASTM E152).

**Laboratory:** Intertek Testing.

**Test Report(s):** Intertek File No. 296-0377-00 dated August 1992, and January 2005.

**Description** – Elevator Door/Frame Assembly (Welded-up) for installation in single swing 1-1/2 hour locations in steel stud/wood stud drywall or masonry opening.

#### **Frame:**

Rebate Height: 8'0"  
Rebate Width: 4'0" (single)  
Jamb Depth: 4" min. – 12" max. Masonry Partition  
Face Length: 2-1/2" – 4-5/8" Opposite  
Back Bends: 1/2"  
Stop Depth: 5/8" x 3/16" Lock-Seam Type welded together 1/2" tacks 6" – 8" o.c.  
Rabbit Length: Door Side – 1-13/16" – 1-15/16"  
Material Thickness: 0.057" – 0.003" (16 gauge) steel

## Reinforcements:

Hinge:	0.130" – 0.003" (10 gauge) 9-1/4" x 1-1/2" 10 spot welds per hinge.
Strike:	0.100" – 0.003" (12 gauge) 2-3/8" x 1-1/8" tabs welded on ends per tab.
Dust Box:	0.048" – 0.003" (10 gauge) cover for masonry installation.
Corner:	Face welded and ground smooth.
Closer:	12" x 1-1/4" x 16 gauge welded on ends.
Interlock Cover:	0.057" – 0.003" (16 gauge) tack welded to jamb.
Cal Button:	Tabs – 12GA 2-3/8" x 1-1/8" welded on each end.

## Frame:

### Anchoring:

Base:	'L' type 50" x 8" x 1/8" checker board steel welded to jambs or 'L' type 16 gauge welded to jambs
Jamb:	0.048" – 0.003" (18 gauge) 'Z' type or strap for drywall installation – 3 per jamb and 2 in the head  0.057" – 0.003" (16 gauge) "T" or 2/16" wire anchors for masonry installation 3 per jamb

## Door:

Rating:	Listed 1-1/2 hour Warnock Hersey Door
Type:	Hollow Metal
Door Width:	4'0" nominal
Door Height:	8'0" nominal
The Core:	Paper Honeycomb 1" Cell Size
The Skins:	0.048" – 0.003" (18 gauge)
Edge Seam:	3/8" folded over 5/8"
End Channel:	0.059" – 0.003" (16 gauge), 35-1/2" x 1-5/8" with 1" legs, spot welded to door skins at 3" 50 4" o.c.
Adhesive:	Contact Cement
Vents:	Two 3/8" diameter holes per end channel
Closer Reinforcement:	0.059" – 0.003" (16 gauge) channel 15" x 3-1/2" x 1-5/8"
Interlock Reinforcement:	3/16" x 12" x 1-1/4" flat bar welded to door edge
Lite Frame:	0.037" 0.003" (20 gauge with 5/8" stops)
Flush Cup:	Aluminum/Steel or Stainless Steel

**Lite:**

The following are in accordance with NFPA 80 Chapter 8 and ANSI/ASME A17.1, Safety Code for Elevators & Escalators:

- Listed wired glass not less than ¼" thick shall be used.
- The area of any single vision panels in the door shall be not less than 25 sq. in., and total area of all vision panels in the door shall be not more than 80 sq. in.
- The clear opening of each vision panel shall not permit passage of a hole 6" in diameter.

**Terms and Conditions-** The above described elevator door assemblies, be accepted as having 1-1/2 hour fire protection rating when installed in accordance with Reference Standard RS 5-8 and when provided with an MEA accepted interlock assembly on condition that the certificates or labels accompanying all shipments be proving by testing service which shall be regularly engaged by the manufacturer to make periodic inspections and/or tests of the doors in the course of their manufacture. All shipments and deliveries of such materials shall, in addition, be accompanied by a metal tag, suitably placed, certifying that the materials shipped or delivered are equivalent to those tested and accepted for use, ad provided for in Section 27-131 of the Building Code.

Final Acceptance February 3, 2006  
Examined by Simon Derkhedam