

CITY OF NEW YORK
DEPARTMENT OF BUILDINGS

Pursuant to Administrative Code Section 27-131, the following equipment or material has been found acceptable for use in accordance with the Report of Materials and Equipment Acceptance (MEA) Division.

Patricia J. Lancaster, F.A.I.A., Commissioner

MEA 34-04-M

Report of Material and Equipment Acceptance Division

Manufacturer – Federal Elevator Systems, Inc., 187 Deerhurst Drive Unit 1, Brampton, Ontario L6T 5K3.

Trade Name(s) – Federal.

Product - Fire Rated swing type elevator door.

Pertinent Code Section(s) - 27-342.

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

Laboratory – Intertek Testing Services (Warnock Hershey).

Test Report(s) – Report ER1, 6499 dated August 1992.

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	7'0"
Rebate Width	3'0" (single)
Jamb Depth	4" min. – 12" max. Masonry Partition 4-1/2" min. – 7-1/8" max. Drywall 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" (18 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
Call button	Tabs – 12GA 2-3/8" x 1-1/8" welded on each end

Anchoring	
Base	<ul style="list-style-type: none"> • 'L' type 43" x 8" 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 Hershey Door
Type	Hollow Metal
Door Width	3'0" nominal
Door Height	7'0" 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	<p>The following are in accordance with NFPA 80 Chapter 8 and ANSI/ASME A17.1, Safety Code for Elevators & Escalators:</p> <ul style="list-style-type: none"> • Listed wired glass not less than 1/4" 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.

Recommendation - That the above described swing type elevator door be accepted as having 1-1/2 hour fire protection rating when installed in accordance with RS 5-8 and RS 18-1 and when provided with an MEA accepted interlock assembly on condition that the certificates or labels accompanying all shipments be provided by the testing laboratory 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 the materials comprising this assembly shall be accompanied by a certificate or label certifying that the materials shipped or delivered are equivalent to those tested and acceptable for use, as provided for in Section 27-131 of the Building Code. Approval of all electrical equipment, apparatus, materials and devices shall be obtained from the Bureau of Electric Control before installation.

Final Acceptance 4/30/04

Examined By S. Deshpande