

**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 297-03-M

Report of Material and Equipment Acceptance Division

Manufacturer – Gunderlin Ltd., 3025 East 11th Avenue, Hialeah, Florida 33013.

Trade Name(s) – Gunderlin.

Product – Passenger elevator fire door assemblies.

Pertinent Code Section(s) -27-342.

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

Laboratory -Underwriters Laboratories, Inc.

Test Report(s) - UL File R14396 dated August 15, 1991, August 16, 1991, March 25, 1996, May 26, 1999, November 14, 1999, December 3, 1999, June 20, 2000 and January 9, 2002.

Description – USC – Center-opening and multisection center-opening, single side opening, and multi-section side opening, horizontally sliding hollow-metal passenger elevator fire doors intended for 1-1/2 hours locations.

Door sizes:

All doors shall be 1-1/4 inch thick. The maximum door panel size shall not exceed the following:

Model	USC Height, In. (mm)	Width, In. (mm)	Under Certificate Service, Height, Inch (mm)
Center Opening	120-1/2 (3061)	27-3/4 (705)	150-1/2 (3823)
Multi-section Center Opening	120-1/2 (3061)	27-3/4 (705)	150-1/2 (3823)
Single & Multi- section Side Opening	120-1/2 (3061)	43-1/2 (1105)	150-1/2 (3823)

1 – Panel may be marked qualified for fireman’s service with listed “GAL” interlock, except when transom is used.

Each door consists of No. 16 gauge corridor panel and a No. 14 gauge shaft panel, hat-shaped stiffeners of No. 16 gauge steel plug-welded to the faces of *the door 10 in. OC and 5-1/4 in. from each end, No. 14 gauge formed angle plug-welded at 32 in. OC and 1-3/4 in. from each end at the rear edge, No. 14 gauge top and bottom channels spot-welded 4 in. OC and 1 in. from each end, and four weld nuts welded to the underside of the top channel.

* The stiffeners shall be located 8 in. from the leading edge, 10 in. OC and not greater than 8 in. OC from the trailing edge. The stiffeners shall be 1-3/4 in. from the top and bottom edges of the door. Three firestops hooks shall be provided with each door.

Optional Fiberglass:

Owens Corning
Shall bear the UL Classification Marking for Surface Burning
Characteristics indicating: Flame Spread 25 (max.);
Smoke Developed 50 (max.)

Door Guides:

Two door guides shall be provided with each door. Each door gib is attached to the bottom of the door with three screws.

Sight Guard:

The sight guard shall be attached to the leading edge of each door. The sight guard shall be the same height as the doors, and it is attached with screws or rivets.

Cutouts:

Three keyslots may be provided on the shaft side of the door. The cutouts shall be reinforced.

Painting:

Each door shall receive a good grade of corrosion resistant paint on the outside, and may or may not be painted on the inside. The painting of the inside of each door is not required.

The sight guard shall also received a good grade of corrosion resistant paint.

A good grade of corrosion resistant paint cannot be readily removed from the surface to which it has been applied when rubbed with the hand or with a dry cloth.

Faced Doors:

The corridor face of each door may be faced with a sheet of plastic laminate. The plastic shall be 1/16 in. thick UL Classified "General Purpose" laminated manufactured by the Formica Corp., Cincinnati, Ohio. The plastic shall be bonded to the face of the door with "Pilot Contavt Cement" adhesive. The door may or may not be provided with a binder.

As an alternate, the corridor face of each door may be faced with a sheet of No. 4 Stainless steel cladding. The cladding shall be bonded to the face of the door with "Sta-Put" adhesive.

Fire door frames of the single unit pressed steel type for masonry and nonmasonry walls at least 3-3/4 in. thick.

These frames are intended for the installation of this manufacturer's single slide and two speed passenger and center opening elevator fire doors installed in drywall or masonry construction.

Size:

	Frame Opening Width	Frame Opening Height	With an Oversize Certificate (Height)
Installation in drywall	8 ft.	10 ft.	16 ft.
Installation in masonry	13-1/2 ft.	10 ft.	16 ft.

Frame Construction:

These frames shall be constructed as shown of not less than 14 gauge steel.

Frame Anchors – Both jambs shall be provided with frame wall brackets and anchors.

Recommendation – That the above described elevator door assemblies, be accepted as having 2 hour fire protection rating when installed in accordance with Reference Standard 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 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. This acceptance is for fire rated of door panel and in no way includes the hardware or any other safety appurtenance thereto, which are required to fully conform with applicable provision of Building Code but have not been tested in conjunction with this application.

All shipments and deliveries of such materials shall be accompanied by a metal tag 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.

Final Acceptance Feb 27 2004

Examined by S. Deshpande