

FIRE DOOR LISTING PROGRAM

Customer: Toronto Elevator Ltd.
Class: Fire Doors
Location: Etobicoke, ON
Website: www.torontoelevator.ca

Listing No. F475-1
Project No. F475-1 Edition 1

Effective Date: March 8, 2022
Last Revised Date: March 8, 2022

Standards: CAN/ULC-S104 *Standard Method for Fire Tests of Door Assemblies.*
 UL 10B *Fire Tests of Door Assemblies.*
 NFPA 252 *Standard Methods of Fire Tests of Door Assemblies.*

Product: 90 Minute Neutral Pressure Rated Dumbwaiter Assemblies

Markings: See [FD001 - Fire Door Labeling requirements](#)

Models: **90-MINUTE FIRE-RESISTANCE RATED DUMBWAITER ASSEMBLY¹ OF THE FOLLOWING MAXIMUM DIMENSIONS:**

Material Type	Maximum Dimensions ²				Approved Hardware:	Opening Type:
	Door		Opening			
	Width:	Height	Width	Height		
16-Gauge Stainless Steel	838 mm (33")	1012 mm (40")	812 mm (32")	1003 mm (39.5")	Listed C.J. Anderson & Col. Model HG-1 elevator lock.	Vertically biparting with center astragal.

Note 1: Fire-resistance ratings noted apply to the opening protective (dumbwaiter doors) only.

Note 2: Door to opening overlap of 25 mm (1") width with 13 mm (1/2") at each opening edge, and 13 mm (1/2") height with 6 mm (1/4") at top and bottom are to be maintained at time of installation for all door assemblies of the noted size or smaller.

Installation requires the frame of the 90-minute fire-resistance rated assembly to be mechanically installed to the opening with 25 mm x 152 mm (1" x 6") steel sheet tabs screwed to the inside face of the opening, with three #10 x

100 mm (4") screws or equivalent for anchoring the top and bottom frames to the wall opening.

Door Hardware is to be non-combustible products, including copper or steel cable crimping and anchoring into substrates.

The above evaluated dumbwaiter assembly is for installation in shafts constructed in accordance with the applicable building code. The noted assembly provides opening protection as a rated fire door when installed into wood stud and gypsum, or masonry fire-resistance rated assemblies. Where the opening is in wood stud and gypsum assemblies, the opening is to be framed with dimensional lumber, with the perimeter of the opening (header, jambs and sill) protected with 1 layer of 16 mm (5/8") Type X gypsum board complying with ASTM C1396 and anchored with 41 mm (1-5/8") length coarse thread drywall screws or equivalent, spaced at 304 mm (12") on center staggered. Steel, marble, or tile finishing can be applied around and over the gypsum opening.

**Additions / Limitations:
(Review Manufacturing Specifications Report for details)**

Latching:

- Elevator mechanical lock C.J. Anderson & Co. Model HG-1 listed and labeled.

Vision Panel / Viewers:

- Not Permitted.

Opening System:

- To be constructed of non-combustible materials (steel cables, pulleys, door and body assembly).

Notes: Refer to QAI evaluation report F475-1 and the applicable test reports for test assembly configurations used for fire endurance testing.

Refer to the [QAI FD002 - Fire Door Guidelines for general guidelines of fire door assemblies](#)

Final acceptance of the product in the intended application is to be determined by the authority having jurisdiction (AHJ).

Product is to be installed in accordance with the manufacturer's published installation instructions by qualified installing personnel.

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