

FIRE DOOR LISTING PROGRAM

Client: Eckel Industries of Canada Ltd. DBA Eckel Noise Control Technologies
 Class: Fire rated Doors and Frames
 Locations: Morrisburg, ON, Canada
 Website: www.audiologyrooms.com

Listing No. F457-1
 Project No. F457-1 Edition 1

Effective Date: December 19, 2019
 Last Revised Date: December 19, 2019

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

Product: 60 Minute Neutral & Positive Pressure Rated Category “D” Fire Door and Frame Assemblies with Hose Stream.

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

Models / Ratings: **60-MINUTE CATEGORY “D” FIRE DOOR AND FRAME ASSEMBLIES:**

Maximum sizes:

MINIMUM 2-3/4” THICKNESS

Swing Type:	Maximum Dimensions		Latching:
	Width:	Length:	
Single Swing	3'6" (1067 mm)	7'0" (2134 mm)	Single Point (Mortised or Cylindrical)
Pairs	7'0" (2134 mm)	7'0" (2134 mm)	3 or 4 point (Active: Mortised or Cylindrical) (Inactive: Manual Flush Bolts)
Double Egress	NOT PERMITTED		

Limitations: (Review Machining and Manufacturing Specifications Reports for further details and figures)

Latch Sets (Listed and labeled for rated opening)

- Cylindrical Latches.
- Mortised Latch / Deadbolt assembly:
 - Assa Abloy Sargent 8200 Mortise Lock.



Deadbolts (Listed and labeled for rated opening)

- Cylindrical Deadbolts:
 - Located a minimum of 2-1/4" center-line to center-line from the latch cutout.
- Mortised Latch / Deadbolt assembly:
 - Assa Abloy Sargent 8200 Mortise Lock.

Flush / Surface Mount Bolts (Listed and labeled for rated opening)

- Surface Mounted Bolts.
- Rockwood 550 Extension Manual Flush Bolts.
- Automatic Flush Bolts are not permitted.

Hinges

- Three custom dog leg swing clear hinges per slab (Manufactured by Eckel Industries).

Fire Exit Devices (Listed and labeled for rated opening)

- Surface Mounted Vertical Rod Fire Touch Bar Exit Device.
- Rim Type Fire Exit Devices.

Door Closers (Listed and labeled for rated opening)

- Surface Mounted Door Closers.

Electric Raceway

- Not Permitted.

Viewers (Listed and labeled for rated opening)

- Maximum size of 1" diameter.
- Viewers located a minimum 12" away from edges of doors and other hardware.

Door Bottoms Seals (Listed and labeled for rated opening)

- Surface Mounted Door Bottom.
- K.N.Crowder CT-52S Automatic Concealed Door Bottom.

Glass Lights (Listed and labeled for rated opening)

- Glazing kit:
 - Maximum dimension: 29.5".
 - Maximum area: 250 in².

Notes: Refer to QAI evaluation report F457-1 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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