

## FIRE DOORS LISTING PROGRAM

Customer: Visser Manufacturing Ltd.  
 Class: Fire Doors  
 Location: Ottawa, ON  
 Website: vissermfg.ca

Listing No. F449-1  
 Project No. F449-1 Edition 1

Effective Date: January 1, 2018  
 Last Revised Date: January 1, 2018

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

Product: 90 min Rated Neutral Pressure Fire Doors

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

Models: **90-MINUTE LAMINATED CORE FLUSH DOORS:**

### Minimum 1-3/4" Thickness

Swing Type:	Maximum Dimensions		Panel Type:	Latching:
	Width:	Length:		
Single Swing (5-ply core)	4'0" (1219 mm)	10'0" (3048 mm)	Flush	Single Point (Mortised or Cylindrical)
Single Swing (7-ply core)	4'0" (1219 mm)	9'0" (2743 mm)	Flush	Single Point (Mortised or Cylindrical)
Single Swing w/ Transom	4'0" (1219 mm)	10'0" (3048 mm)	Flush	Single Point (Mortised or Cylindrical)
Pairs	8'0" (2438 mm)	8'0" (2438 mm)	Flush	3 or 4 point (Active: Mortised or Cylindrical) (Inactive: Manual or Automatic Flush Bolts)

Notes:  
 Maximum 4'0" x 4'0" transom panel in single swing doors.



Limitations: (Review Machining Report for further detail)

- Cylindrical Latches (Listed and labeled)
- Mortise Lockset (Listed and labeled)
- Deadlock (Listed and labeled)
- Fire Exit Devices (Listed and labeled)
  - Surface mounted vertical rod, RIM surface mounted exit devices.
- Surface mounted door closer (Listed and labeled)
- Light Kit (Listed and labeled)
  - Listed Steel Lite Kit – max. 100 sq. in. listed fire rated glazing (max dimension of 33" for doors 8' high or less; max dimension of 25" for doors over 8' high).
- Electrical Raceway
- Manual or automatic flush bolts (Listed and labelled)
- Viewers (Listed and labeled)
- Protection Plates
  - Brass, bronze, steel, aluminum or decorative laminate up to 16" high.

Notes: *Refer to QAI evaluation report F449-1 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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