

## 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: UL 10(b) *Fire Tests of Doors Assemblies.*  
 UL 10(c) *Fire Tests of Doors Assemblies.*  
 NFPA 252 *Standard Methods of Fire Tests of Door Assemblies.*

Product: 20 min Rated 'Category A' or 'Category B' Positive Pressure Fire Doors

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

Models: **20-MINUTE PARTICLE OR STAVE WOOD CORE FLUSH DOORS:**

### Minimum 1-11/16" Thickness

| Swing Type:            | Maximum Dimensions |                 | Panel Type: | Latching:   |
|------------------------|--------------------|-----------------|-------------|---|
|                        | Width:             | Length:         |             |   |
| Single Swing           | 4'0" (1219 mm)     | 10'0" (3048 mm) | Flush       | <b>Single Point</b><br>(Mortised or Cylindrical)  |
| Single Swing w/Transom | 4'0" (1219 mm)     | 10'0" (3048 mm) | Flush       |   |
| Pairs                  | 8'0" (2438 mm)     | 9'0" (2743 mm)  | Flush       | <b>3 or 4 point</b><br>(Active: Mortised or Cylindrical)<br>(Inactive: Manual or Automatic Flush Bolts) |
| Pairs w/Transom        | 8'0" (2438 mm)     | 9'0" (2743 mm)  | Flush       |   |
| Double Egress          | 8'0" (2438 mm)     | 9'0" (2743 mm)  | Flush       | <b>4 point</b><br>(Surface Mounted or Concealed)  |

Notes:

Maximum door height w/ transom is 9'4"  
 Maximum height of transom is 4'0" without a transom bar  
 Maximum height of transom is 8'0" with a transom bar



Limitations: (Review Machining Report for further detail)

- Cylindrical Latches (Listed and labeled)
- Mortise Latches (Listed and labeled)
- Card Locks (Listed and labeled)
  - Miwa AL4HB or equivalent positive pressure rated card locks
  - Miwa ALV2 Series card lock approved with a maximum mortise cut-out of 1" x 4-3/8" x 6-7/8"
- Deadlock (Listed and labeled)
- Surface mounted and concealed overhead door closer (Listed and labeled)
- Floor door closer (Listed and labeled)
- Surface mounted flushbolts (listed and labeled)
- Fire Exit Devices (Listed and labeled)
  - Surface mounted and concealed vertical rods, RIM type exit devices
- Light Kit (Listed and labeled)
  - Listed Steel Lite Kit – max. 1296 sq. in. (max dimension of 54")
- Electrical Raceway
  - Maximum 3/8" diameter raceway.
- Viewers (Listed and labeled)
  - Two listed viewers up to 1" diameter each. Located a minimum of 5-1/2" apart or from edge.
- Protection Plates
  - Brass, bronze, steel, aluminum, PVC or decorative laminate protection plates. Maximum 1/8" thickness up to 48" height.

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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