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

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: 45 min Rated ‘Category A’ Positive Pressure Fire Doors

Labels: See FD001 - Fire Door Labeling requirements

Models: 45-MINUTE PARTICLEBOARD CORE PANEL DOORS:

<table>
<thead>
<tr>
<th>Swing Type:</th>
<th>Maximum Dimensions</th>
<th>Panel Type:</th>
<th>Latching:</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Width:</td>
<td>Length:</td>
<td></td>
</tr>
<tr>
<td>Single Swing</td>
<td>4’0” (1219 mm)</td>
<td>8’0” (2438 mm)</td>
<td>Stile and Rail</td>
</tr>
<tr>
<td>Pairs</td>
<td>6’0” (1829 mm)</td>
<td>7’0” (2134 mm)</td>
<td>Stile and Rail</td>
</tr>
</tbody>
</table>
Limitations: (Review Machining Report for further detail)

- Cylindrical Latches (Listed and labeled)
- Mortise Lockset (Listed and labeled)
  - Maximum cutout dimensions are 1-1/16" wide by 4-3/4" deep by 6-3/4" long.
- Card Locks (Listed and labeled)
- Hospital Locks (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 stop (Listed and labeled)
- Surface mounted overhead and floor door closer (Listed and labeled)
- Surface mounted door bottom (Listed and labeled)
- Light Kit (Listed and labeled)
  - Listed Steel Lite Kit – max. 1296 sq. in. (max dimension of 54").
- Manual or automatic flush bolts (Listed and labelled)
- Magnetic Switch
  - Maximum cutout for rectangular switch is 3-5/8" x 1" x 1".
  - Maximum cutout for tubular switch is 1" diameter x 1-5/8" deep.
- Viewers (Listed and labeled)
- Protection Plates
  - Brass, bronze, steel, aluminum, ploycarbonate or decorative laminate installed on one or both sides of the door.
- Louvers
  - Maximum dimensions of 24” x 24”.

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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