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: 60 min Rated ‘Category B’ Positive Pressure Fire Doors

Labels: See FD001 - Fire Door Labeling requirements

Models: 60-MINUTE PROFILED MINERAL CORE FLUSH DOORS:

Minimum 1-11/16" Thickness

<table>
<thead>
<tr>
<th>Swing Type</th>
<th>Width</th>
<th>Length</th>
<th>Panel Type</th>
<th>Latching</th>
</tr>
</thead>
<tbody>
<tr>
<td>Single Swing</td>
<td>3'6&quot; (1067 mm)</td>
<td>7'0&quot; (2134 mm)</td>
<td>Profiled Flush</td>
<td>Single Point (Mortised or Cylindrical)</td>
</tr>
<tr>
<td></td>
<td>3'0&quot; (914 mm)</td>
<td>8'0&quot; (2438 mm)</td>
<td>Profiled Flush</td>
<td></td>
</tr>
<tr>
<td>Pairs</td>
<td>7'0&quot; (2134 mm)</td>
<td>7'0&quot; (2134 mm)</td>
<td>Profiled Flush</td>
<td></td>
</tr>
<tr>
<td></td>
<td>6'0&quot; (1829 mm)</td>
<td>8'0&quot; (2438 mm)</td>
<td>Profiled Flush</td>
<td>4 point (Active: Mortised or Cylindrical, Surface Mounted) (Inactive: Surface Mounted)</td>
</tr>
</tbody>
</table>
Limitations: (Review Machining Report for further detail)

- Cylindrical Latches (Listed and labeled)
- Deadlock (Listed and labeled)
- Surface mounted and concealed overhead door closer (Listed and labeled)
- Floor door closer (Listed and labeled)
- Fire Exit Devices (Listed and labeled)
  - Surface mounted and concealed vertical rods, RIM type exit devices
- 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 16” 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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