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.

Product: 20 min Rated Neutral Pressure Fire Doors

Labels: See FD001 - Fire Door Labeling requirements

Models: 20-MINUTE WOOD CORE FLUSH DOORS:

Minimum 1-3/4" Thickness

<table>
<thead>
<tr>
<th>Swing Type</th>
<th>Maximum Dimensions</th>
<th>Panel Type</th>
<th>Latching:</th>
</tr>
</thead>
<tbody>
<tr>
<td>Single Swing</td>
<td>4'0&quot; (1219 mm)</td>
<td>10'0&quot; (3048 mm)</td>
<td>Flush</td>
</tr>
<tr>
<td>Single Swing w/ Transom</td>
<td>4'0&quot; (1219 mm)</td>
<td>10'0&quot; (3048 mm)</td>
<td>Flush</td>
</tr>
<tr>
<td>Pairs</td>
<td>8'0&quot; (2438 mm)</td>
<td>10'0&quot; (3048 mm)</td>
<td>Flush</td>
</tr>
<tr>
<td>Pairs w/ Transom</td>
<td>8'0&quot; (2438 mm)</td>
<td>10'0&quot; (3048 mm)</td>
<td>Flush</td>
</tr>
<tr>
<td>Double Egress</td>
<td>8'0&quot; (2438 mm)</td>
<td>9'0&quot; (2743 mm)</td>
<td>Flush</td>
</tr>
</tbody>
</table>

Notes:
Maximum 4'0" x 2'0" transom panel in single swing doors.
Maximum 8'0" x 2'0" transom panel in paired doors.
### Minimum 1-3/4” Thickness

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</thead>
<tbody>
<tr>
<td>Single Swing</td>
<td>Width: 3'0” (914 mm)</td>
<td>Length: 7’0” (2134 mm)</td>
<td>Flush</td>
</tr>
</tbody>
</table>

**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. 1296 sq. in. (max dimension of 54”) for Single Swing
  - Listed Steel Lite Kit – max. 720 sq. in. (max dimension of 30”) for Double Egress
- Manual and automatic flush bolts (Listed and labeled)
- Viewers (Listed and labeled)
- Protection Plates
  - Stainless steel, aluminum, bronze or high pressure laminate protection plates.

**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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