FIRE DOOR LISTING PROGRAM

Customer: Masonite Architectural
Class: Fire Doors
Location: London, Ontario
Website: www.masonitearchitectural.com

Listing No. F424
Project No. F424-1 Edition 3

Effective Date: April 22, 2016
Last Revised: July 4, 2017

Standards:
- UL 10(b) Fire Tests of Doors Assemblies.
- UL 10(c) Fire Tests of Doors Assemblies.

Product: 20 min Rated Fire Doors

Label: See FD001 - Fire Door Labeling requirements

Models / Ratings: 20-MINUTE WOOD CORE PANEL DOORS:

Minimum 2-1/4” Thickness

<table>
<thead>
<tr>
<th>Swing Type</th>
<th>Maximum Dimensions</th>
<th>Panel Type</th>
<th>Latching:</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Width: 3'0” (914 mm)</td>
<td>Length: 8'6” (2591 mm)</td>
<td>Flat or Raised</td>
</tr>
<tr>
<td>Single Swing</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Pairs</td>
<td>Width: 6'0” (1829 mm)</td>
<td>Length: 8'6” (2591 mm)</td>
<td>Flat or Raised</td>
</tr>
</tbody>
</table>
Limitations: (Review Machining Report for further detail)

- **Hinges**
  - Per NFPA 80, Table 2-4.3.1
  - Continuous hinges
  - Pivot hinges
- **Automatic or Manual Flush Bolts (Listed and Labeled)**
  - Surface mounted or mortised flush bolts allowed
- **Cylindrical Latches (Listed and Labelled)**
  - Minimum latch bolt throw shall be ½” on single swing and ¾” on pairs
- **Mortise Lockset (Listed and Labelled)**
  - Maximum cutout 1-1/4” x 5” x 6-3/4”
  - Minimum latch bolt throw shall be ½” on single swing and ¾” on pairs
- **Deadlock (Listed and Labelled)**
  - Located a minimum of 6” above latch cutout
- **Fire Exit Devices**
  - Surface mounted or concealed vertical rod exit devices
- **Light Kit (Listed and Labelled)**
  - Steel lite kit – max. 1296 sq. in. (Max. 54” dimension) ¼” wire glass.
  - Steel lite kit – max. 1503 sq. in. (Max. 68” dimension) Fire Lite glazing. Maximum of 18 panels up to 1503 sq. in. total.
  - ¼” Fireglass 20, impact safety rated for U.S.A.
- **Viewers (Listed and Labeled)**
  - Max. 1” diameter placed in 1-3/4” thickness only
- **Electrical Raceway**
  - Max. 3/8” x 3/8” raceway
- **Automatic Door Bottom (Listed and Labelled)**
  - Surface mounted and mortised allowed

**Notes:** Refer to QAI evaluation report F424-1 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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