FIRE DOOR LISTING PROGRAM

Customer: CR Doors & Moulding LLC
Class: Fire Doors
Location: Springville, UT
Website: www.crdoors.net

Listing No. F451-1
Project No. F451-1 Edition 1

Effective Date: January 12, 2018
Last Revised Date: January 12, 2018

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

Product: 20 min Rated ‘Category A and B’ Positive Pressure Fire Doors

Markings: See FD001 - Fire Door Labeling requirements

Models: 20-MINUTE PARTICLEBOARD 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></td>
<td>Width:</td>
<td>Length:</td>
<td></td>
</tr>
<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></td>
<td>4'0&quot; (1219 mm)†</td>
<td>9'0&quot; (2743 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></td>
<td>8'0&quot; (2438 mm)†</td>
<td>9'0&quot; (2743 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:
* Denotes Category A
† Denotes Category B
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 type surface mounted and mortised exit device
- Light Kit (Listed and Labeled)
  - Listed Steel Lite Kit – max. 1296 sq. in. (max dimension of 54")
- Surface Mounted or Concealed Flushbolts (Listed and Labeled)
- Automatic Door Bottoms (Listed and Labeled)
- Surface Mounted or Concealed Door Closers (Listed and Labeled)
- Viewers (Listed and Labeled)
- Electrical Raceway
  - 3/8" diameter
- Protection Plates
  - Brass, bronze, steel, aluminum, polycarbonate or decorative laminate maximum 16" high.

Notes: Refer to QAI evaluation report F451-1 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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