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: CAN/ULC-S104 Standard for Fire Tests of Door Assemblies
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: 20 min Rated ‘Category B’ Positive Pressure Fire Doors

Markings: See FD001 - Fire Door Labeling requirements

Models: 20-MINUTE SIMULATED PANEL LDF CORE 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>3'0&quot; (914 mm)</td>
<td>8'0&quot; (2438 mm)</td>
<td>Simulated</td>
</tr>
<tr>
<td>Pairs‡</td>
<td>6'0&quot; (1829 mm)</td>
<td>8'0&quot; (2438 mm)</td>
<td>Simulated</td>
</tr>
<tr>
<td>Double Egress‡</td>
<td>6'0&quot; (1829 mm)</td>
<td>8'0&quot; (2438 mm)</td>
<td>Simulated</td>
</tr>
</tbody>
</table>

‡ Evaluated without hose stream
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 and mortise exit devices
- Surface Mounted or Concealed Flushbolts (Listed and Labeled)
- Automatic Door Bottoms (Listed and Labeled)
- Surface Mounted Door Closers (Listed and Labeled)
- Viewers (Listed and Labeled)
- Protection Plates
  - Brass, bronze, steel, aluminum, polycarbonate or decorative laminate maximum 16” high.
- Electrical Raceway
  - 3/8 diameter through the door core

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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