FIRE DOOR LISTING PROGRAM

Customer: FyreWerks, Inc.
Class: Fire Doors
Location: Westminster, Colorado
Website: www.fyrewerks.com

Listing No. F415
Project No. F415-1 Edition 3

Effective Date: September 15, 2016
Last Revised: October 9, 2019
Expires: N/A

Standards:
- UL 10B: Fire Tests of Door Assemblies
- UL 10C: Positive Pressure Fire Tests of Door Assemblies
- NFPA 252: Standard Methods of Fire Tests of Door Assemblies
- CAN/ULC S104: Standard Method for Fire Tests of Door Assemblies

Product: 20 minute Fire Rated Doors
Label: See FD001 - Fire Door Labeling requirements
Models: 20-MINUTE LAMINATED CORE PANEL 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” (1219 mm)</td>
<td>8’0” (2438 mm)</td>
<td>Raised or Flat</td>
</tr>
<tr>
<td>Arched Top Single Swing</td>
<td>3’0” (914 mm)</td>
<td>8’6” (2591 mm)</td>
<td>Glass</td>
</tr>
<tr>
<td>Pairs</td>
<td>7’0” (2134 mm)</td>
<td>8’0” (2438 mm)</td>
<td>Flat or Raised</td>
</tr>
</tbody>
</table>

| Note 1: Arched Top Glass Panel Assembly does not meet hose stream requirements of noted test methods. It is fit for use under the International Building Code. |
Limitations: (Review Machining Report for further detail)

- Cylindrical Latches (Listed and Labeled)
- Mortise Lockset (Listed and Labeled)
- “VingCard Alu” or “Trio VingAccess Alu”, series 1050, 1060, 1070, 1080, 1090
- 1000 Series; Models 1001, -02, -04, -07, -12, -14, -15, -57, -85 with 19.05mm (3/4“) latch bolts; may include suffix letters –K, -KVC, -L or –LVC.
- “3000 DaVinci, Euro DaVinci and Presidio” battery operated units.
- “Signature Series, Euro, ANSI and US ANSI” battery operated units.
- “Allure Series, Euro, ANSI and US ANSI” battery operated units.
- “Essence Series, Euro, ANSI (D*) and US ANSI (DA)” battery operated units.
- Fire Exit Devices – Surface mounted vertical rod, RIM and concealed vertical rod exit devices.
- Surface mounted and concealed door closer. FyreWerks Fyreblock intumescent on all 5 sides of the cutout.
- Light Kit – Max 1,296 square inches, max length = 54“, max width = 30” (listed and labeled vision kit)
- Surface mounted or concealed door bottom (listed and labeled)
- Electric Raceway
- Louvers – Advantage Lites and Louvers model 200AIL
- Flush bolts – mortised manual, surface mounted manual, mortised automatic

Notes: Refer to QAI evaluation report F415-1 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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