FIRE DOOR LISTING PROGRAM

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

Listing No. F415
Project No. F415-2 Edition 2

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: 90 minute Fire Rated Door Frames

Label: See FD001 - Fire Door Labeling requirements

Models: 90-MINUTE FIRE DOOR FRAMES:

MAXIMUM FRAME SIZES:

<table>
<thead>
<tr>
<th>Swing Type:</th>
<th>Maximum Dimensions</th>
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<tbody>
<tr>
<td></td>
<td>Width:</td>
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<tr>
<td>Single Swing</td>
<td>4’0” (1219 mm)</td>
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Limitations: (Review Machining Report for further detail)

- Minimum Frame Leg Width: 4-5/8"
- Maximum Frame Leg Width: Equivalent to wall thickness
- Minimum Frame Leg Thickness: 3/4" (-1/16") [Single Core Layer]
- Minimum Frame Leg Thickness: 3/4" (-1/16") [Single Core Layer]
- Minimum Frame Leg Thickness: 2-1/4" [4 core layers for SOSS® Invisible Hinge]
- Minimum Rabbet for Door: 1-7/8" (-1/16")
- Minimum Stop Height: 5/8"
- Minimum Stop Width: 1-1/4" (-1/16")
- Strike Plates: Listed and labelled for rated opening
- Hinges: Listed and labelled for rated opening
- Door Closer: Listed and labelled for rated opening:
  - Surface mounted door closers
  - Concealed door closers

Notes: Refer to QAI evaluation report F415-2 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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