FIRE DOORS LISTING PROGRAM

Customer: Visser Manufacturing Ltd.
Class: Fire Door Frames
Location: Ottawa, ON
Website: vissermfg.ca

Listing No. F449-2
Project No. F449-2 Edition 1

Effective Date: January 1, 2018
Last Revised Date: January 1, 2018

Standards:
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: 90 min Rated Positive Pressure Fire Door Frames
Labels: See FD001 - Fire Door Labeling requirements
Models: 90-MINUTE FIRESTOP 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>
</tr>
<tr>
<td>Single Swing</td>
<td>4'0&quot; (1219 mm)</td>
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<tr>
<td>Pairs</td>
<td>8'0&quot; (2438 mm)</td>
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LIMITATIONS:

Minimum Frame Leg Width: 5"
Maximum Frame Leg Width: Equivalent to wall thickness
Minimum Frame Leg Thickness: 1-1/8"
Minimum Rabbet for Door: 1-7/8" (-1/16")
Minimum Stop Height: 5/8" (-1/16")
Minimum Stop Width: 1" (-1/8")

Casing: Minimum 1-5/8" wide x 5/16" thick. Solid wood with a minimum density of 23 pcf.

Electric Strikes (Listed and labeled): Maximum cutout of 1-7/16" wide by 3-7/8" high by 2-3/8" deep.

Mortised Door Closer: Not Allowed.
Refer to QAI evaluation report F449-2 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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