

## FIRE DOOR LISTING PROGRAM

Customer: Concept Millwork Corporation  
 Class: Fire Door Frames  
 Location: London, Ontario  
 Website: [www.cmcmillwork.ca](http://www.cmcmillwork.ca)  
 Listing No. F433  
 Project No. F433-2 Edition 1  
 Effective Date: April 21, 2016  
 Last Revised: April 21, 2016  
 Standards: CAN/ULC-S104 *Standard Method 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: 90 min Rated Fire Door Frames

Label: See [FD001 - Fire Door Labeling requirements](#)

Models / **90-MINUTE FIRE DOOR FRAMES:**

Ratings:

### MAXIMUM FRAME SIZES:

| Swing Type:   | Maximum Dimensions |                |
|---------------|--------------------|----------------|
|               | Width:             | Height:        |
| Single Swing  | 3'6" (1067 mm)     | 9'0" (2743 mm) |
| Pairs         | 7'0" (2134 mm)     | 9'0" (2743 mm) |
| Double Egress | Not Permitted      |                |

### LIMITATIONS:

Minimum Frame Leg Width: 4-3/4"  
 Maximum Frame Leg Width: Equivalent to wall thickness  
 Minimum Frame Leg Thickness: 5/8" (-1/16")  
 Maximum Frame Leg Thickness: 1" (-1/16") [with MDF frame backing]  
 1-1/2" (-1/16") [with BASF SW20-1 frame backing]  
 Minimum Rabbet for Door: 1-3/4" (-1/16")  
 Minimum Stop Height: 1/2"  
 Minimum Stop Width: 1-1/4" (-1/16")

Hardwood Facings: Maximum 1/4" x 1" Hardwood Facing inlaid into the face of the frame leg

Electric Raceway: Max. 1/4" diameter hole through the frame leg at 40" from the floor and below.

Mortised Door Closer: Not Allowed

Installation: Fastened through the frame legs with finishing nails. Fasten through the frame at 2 fastener locations on the hinges with fastener long enough to penetrate at least  $\frac{3}{4}$ " into wall framing.

Notes: *Refer to QAI evaluation report F433-2 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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