

FIRE DOOR LISTING PROGRAM

Customer: Daiek Woodworks
 Class: Fire Door Frames
 Location: Sterling Heights, Michigan
 Website: www.daiekwoodworks.com
 Listing No. F416
 Project No. F416-6 Edition 3
 Effective Date: May 3, 2016
 Last Revised: May 3, 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: 45 min Rated Fire Door Frames

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

Models / **45-MINUTE FIRE DOOR FRAMES:**

Ratings:

MAXIMUM FRAME SIZES:

MDF with SW2 edge sealing:

Swing Type:		Maximum Dimensions	
		Width:	Height:
Single Swing	Rectangular	3'6" (1067 mm)	7'9" (2362 mm)
	Arched Top	3'6" (1067 mm)	7'9" (2362 mm)
	Mulled Assembly	7'0" (2134 mm)	7'9" (2362 mm)
Pairs		Not Permitted	
Double Egress		Not Permitted	

Two Layers of SW 20-1 Cores or Single Layer of SW 45-1 Core:

Swing Type:	Maximum Dimensions	
	Width:	Height:
Single Swing	3'6" (1067 mm)	9'0" (2743 mm)
Communicating	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") 1-3/4" (-1/16") [Communicating Door Frames]
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 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.

The materials, products or systems listed herein have been qualified to bear the QAI Listing Mark under the conditions stated with each Listing. Only those products bearing the QAI Listing Mark are considered to be listed by QAI. No warrantee is expressed or implied, and no guarantee is provided that any jurisdictional authority will accept the Listing found herein. The appropriate authorities should be contacted regarding the acceptability of any given Listing. Visit the QAI Online Listing Directory located at www.qai.org for the most up to date version of this Listing and to validate that this QAI Listing is active. Questions regarding this listing may be directed to info@qai.org. Please include the listing number in the request.
