



FIRE DOOR FRAME LISTING PROGRAM

Customer: Western Door Manufacturing Ltd.
Class: Fire Door Frames
Location: Surrey, BC

Listing No. F456-2
Project No. F456-2 Edition 2

Effective Date: July 9, 2020
Last Revised Date: October 10, 2023

Standards: CAN/ULC-S104 *Standard Method for Fire Tests of Door Assemblies*
 UL 10B *Standard for Fire Tests of Door Assemblies*

Product: 20 Minute Fire-Resistance Rated Fire Door Frames

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

Models: 20-MINUTE CATEGORY C WOOD FIRE DOOR FRAMES

Maximum Sizes:

Swing Type:	Maximum Dimensions	
	Width:	Height:
Single Swing	3'6" (1067 mm)	8'0" (2438 mm)
Pairs / Double Egress	Not Permitted	

LIMITATIONS:

Minimum Frame Depth: 4-9/16" (116 mm)
 Maximum Frame Depth: Equivalent to wall thickness
 Minimum Frame Leg Thickness: 1-1/4" (32 mm)
 Minimum Rabbet for Door: 1-3/4" [-1/16"] (44 mm [-1.6 mm])
 Minimum Stop Height: 5/8" (16 mm)
 Minimum Stop Width: 2-7/8" (62 mm)
 Veneer: 2.5 mm or greater

Hardwood Facings: Permitted.

Electric Raceway: Not permitted.

Door Closers: Surface mounted: Permitted.
 Mortised: Not permitted.

Plant-Ons: Permitted.



Installation:

- Fastened through the frame legs with #8 x 3" (76 mm) length screws spaced at 24" (610 mm) on center around frame.
- Hinge and latch locations each use two #12 x 3-1/2" (89 mm) screws that pass through the frame and into the wall framing.
- Gaps are required to be sealed with silicone sealant prior to placement of casing.
- Casing to be anchored with finishing nails at minimum 18" on center spacing.

Notes: Refer to QAI evaluation report F456-2 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.

Note: 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 warranty is expressed or implied, and no guaranty 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.
