

FIRE DOOR LISTING PROGRAM

Customer: Forte Opening Solutions
 Class: Fire Door Frames
 Location: Marshfield, WI
 Website: <https://www.forteopenings.com/>

Listing No. F487
 Project No. F487-2 Edition 2

Effective Date: May 7, 2024
 Last Revised: November 12, 2024

Standards: CAN/ULC-S104-15 *Standard Method for Fire Tests of Door Assemblies.*
 UL 10(b) (2020) *Fire Tests of Doors Assemblies.*
 UL 10(c) (2021) *Fire Tests of Doors Assemblies.*
 NFPA 252 (2022) *Standard Methods of Fire Tests of Door Assemblies.*

Product: 20-minute Fire-Resistance Rated Frames

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

Models / Ratings: **20-MINUTE WOOD CORE CATEGORY C FIRE RATED FRAMES:**

MAXIMUM FRAME SIZES:

Swing Type:	Maximum Dimensions	
	Width:	Length:
Single Swing	3'6" (1067 mm)	10'0" (3048 mm)
Pairs	7'0" (2134 mm)	8'0" (2438 mm)
	7'0" (2134 mm)	10'0" (3048 mm)

Notes: 7'0" x 10'0" pairs evaluated without hose stream.

LIMITATIONS:

Minimum Frame Leg Width: 3-3/4"
 Maximum Frame Leg Width: Equivalent to wall thickness
 Minimum Frame Leg Thickness: 3/4"
 Minimum Stop Height: 1/2"
 Minimum Stop Width: 1-1/4"

Hinges:

- All hinges and applicable hardware must be fire rated for use in openings at or above the fire rating of the frame system being installed. All hinges must be installed as per NFPA 80.

Strike Plates:

- Must be secured with 3" screws



Flush Bolts:

- Surface Mounted
- Mortised Permitted.

Closers:

- Surface Mounted
- Concealed Permitted

Installation: Type and size of fasteners with maximum spacing and attachment methods.
Jamb installation: 3" 10d nails in pairs, 24" O.C.; Stop Installation: 4d nails, 12" O.C.

Notes: *Refer to QAI evaluation report F487-2 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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