

FIRE DOOR LISTING PROGRAM

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

Listing No. F487
 Project No. F487-1 Edition 2

Effective Date: May 7, 2024
 Last Revised: November 14, 2024

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

Product: 20-minute Fire-Resistance Rated Category A Doors

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

Models / Ratings: **20-MINUTE WOOD CORE PANEL DOORS:**

Minimum 2-1/4" Thickness

Swing Type:	Maximum Dimensions		Panel Type:	Latching:
	Width:	Length:		
Single Swing	3'0" (914 mm)	8'6" (2591 mm)	Flat or Raised	Single Point (Mortised or Cylindrical)
Pairs	6'0" (1829 mm)	8'6" (2591 mm)	Flat or Raised	3 or 4 point (Active: Mortised or Cylindrical) (Inactive: Mortised or Surface Mounted Automatic Flush Bolts)

Limitations: (Review Machining Report for further detail)

- Hinges
 - Per NFPA 80, Table 2-4.3.1
 - Continuous hinges
 - Pivot hinges
- Automatic or Manual Flush Bolts (Listed and Labeled)
 - Surface mounted
 - Concealed mortised flush bolts permitted
- Cylindrical Latches (Listed and Labelled)
 - Minimum latch bolt throw shall be 1/2" on single swing and 3/4" on pairs
- Mortise Lockset (Listed and Labelled)
 - Maximum cutout 1-1/4" x 5" x 6-3/4"
 - Minimum latch bolt throw shall be 1/2" on single swing and 3/4" on pairs
- Deadlock (Listed and Labelled)
 - Located a minimum of 6" above latch cutout
- Fire Exit Devices
 - Surface mounted
 - Concealed vertical rod exit devices permitted
- Light Kit (Listed and Labelled)
 - Steel lite kit – max. 1296 sq. in. (Max. 54" dimension) 1/4" wire glass.
 - Steel lite kit – max. 1503 sq. in. (Max. 68" dimension) Fire Lite glazing. Maximum of 18 panels up to 1503 sq. in. total.
 - 1/4" Fireglass 20, impact safety rated for U.S.A.
- Viewers (Listed and Labeled)
 - Max. 1" diameter placed in 1-3/4" thickness only
- Electrical Raceway
 - Max. 3/8" x 3/8" raceway
- Automatic Door Bottom (Listed and Labelled)
 - Surface mounted and mortised allowed

Notes: *Refer to QAI evaluation report F487-1 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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