

FIRE DOOR LISTING PROGRAM

Customer: CR Doors & Moulding LLC
 Class: Fire Doors
 Location: Springville, UT
 Website: www.crdoors.net

Listing No. F451
 Project No. F451 Edition 3

Effective Date: January 12, 2018
 Last Revised Date: March 25, 2024

UL 10B	<i>Fire Tests of Doors Assemblies.</i>
UL 10C	<i>Fire Tests of Doors Assemblies.</i>
CAN/ULC-S104	<i>Standard Method for Fire Tests of Door Assemblies.</i>
NFPA 252	<i>Standard Methods of Fire Tests of Door Assemblies.</i>

Product: 20 min Fire-Resistance Rated Doors

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

Models: **20-MINUTE CATEGORY “B” DOORS**

Swing Type:	Maximum Dimensions		Panel Type:	Latching:
	Width:	Length:		
Single Swing	3'0" (914 mm)	8'0" (2438 mm)	Flat or Raised	Single Point (Mortised or Cylindrical)
Pairs	Not Permitted			

Note: A listed Category “G” gasket, approved for use with wood type doors is required for installations for both neutral (UL 10B) and positive pressure (UL 10C) applications.

COMPONENTS LIMITATIONS: (Review Machining specs for further detail)

Latch Sets (Listed and labeled for use in 20 minute wood doors, including UL 10C)

- Cylindrical Latches
 - Maximum 2-3/4” backset
 - Minimum 1/2” bolt throw

Deadbolts (Listed and labeled for use in 20 minute rated wood doors, and UL 10C)

- Minimum 1/2” bolt throw
- Maximum 2-3/4” backset, (cylindrical)
- Mortised Deadbolt – see Mortised Latch Set section above

Hinges (Listed and labeled for use in wood doors, and UL10C)

- Hinges as per NFPA 80, Table 6.4.3.1
- Listed steel butt ball bearing type spring hinges
- Continuous hinges

Fire Exit Devices (Listed and labeled for use in 20 minute rated wood doors and UL 10C)

- Rim Type Fire Exit Devices.
- Through-bolts are optional unless required by hardware installation instructions.
- Surface Mounted Vertical Rod of minimum ½" throw.

Door Closers (Listed and labeled for rated opening)

- Surface Mounted Door Closers are required to be mounted with through-bolts.
- Concealed are not permitted.

Surface Mounted Door Bottoms

- Permitted, no limitations, fastened with adhesives or screws.

Louvers

- Not Permitted.

Flush Bolts

- Not Permitted

Glass Lights / Vision Panels (Listed and labeled for rated opening)

- Not Permitted

Door Bottoms or Seals (Listed for use in 20 minute rated wood doors)

- Surface Mounted Snap-In in dual durometer vinyl with bulb and fins or with all fins.
- Kerf mounted permitted.

Notes: *Refer to QAI evaluation report F451-1 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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LABORATORIES

CERTIFICATION TESTING INSPECTION

VANCOUVER, BC:	877.461.8378 ph.	604.527.8368 fx.
LOS ANGELES, CA:	909.483.0250 ph.	909.483.0336 fx.
WASHINGTON, DC:	540.636.9445 ph.	540.636.9414 fx.
TULSA, OK:	918.437.8333 ph.	918.437.8487 fx.
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