

## FIRE DOOR LISTING PROGRAM

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

Listing No. F451-1  
 Project No. F451-1 Edition 1

Effective Date: January 12, 2018  
 Last Revised Date: January 12, 2018

Standards: CAN/ULC-S104 UL 10(b) UL 10(c) NFPA 252	<i>Standard Method for Fire Tests of Door Assemblies. Fire Tests of Doors Assemblies. Fire Tests of Doors Assemblies. Standard Methods of Fire Tests of Door Assemblies.</i>
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Product: 20 min Rated 'Category A and B' Positive Pressure Fire Doors

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

Models: **20-MINUTE WOOD FLUSH DOORS:**

**Minimum 1-3/4" Thickness, Evaluated with Hose Stream**

**Positive Pressure**

Swing Type:	Maximum Dimensions		Panel Type:	Latching:
	Width:	Length:		
Single Swing	3'0" (914 mm)	8'0" (2438 mm)	Flush	Single Point (Mortised or Cylindrical)
	4'0" (1219 mm)	9'0" (2743 mm)	Flush	
Pairs	8'0" (2438 mm)	9'0" (2743 mm)	Flush	3 or 4 point (Active: Mortised or Cylindrical) (Inactive: Surface Mounted or Concealed Flush Bolts)



### Neutral Pressure

Swing Type:	Maximum Dimensions		Panel Type:	Latching:
	Width:	Length:		
Single Swing	3'0" (914 mm)	8'0" (2438 mm)	Flush	<b>Single Point</b> (Mortised or Cylindrical)
	4'0" (1219 mm)	10'0" (3048 mm)	Flush	
Pairs	8'0" (2438 mm)	10'0" (3048 mm)	Flush	<b>3 or 4 point</b> (Active: Mortised or Cylindrical) (Inactive: Surface Mounted or Concealed Flush Bolts)
Double Egress	8'0" (2438 mm)	9'0" (2743 mm)	Flush	<b>4 point</b> (Concealed or Surface Mounted)

### Minimum 1-3/4" Thickness, Evaluated without Hose Stream

#### Positive Pressure

Swing Type:	Maximum Dimensions		Panel Type:	Latching:
	Width:	Length:		
Single Swing	4'0" (1219 mm)	9'0" (2743 mm)	Flush	<b>Single Point</b> (Mortised or Cylindrical)
	4'0" (1219 mm)	8'0" (2438 mm)	Flush	
	4'0" (1219 mm)	10'0" (3048 mm)	Flush	
	3'0" (914 mm)	8'0" (2438 mm)	Flush	
Pairs	8'0" (2438 mm)	9'0" (2743 mm)	Flush	<b>3 or 4 point</b> (Active: Mortised or Cylindrical) (Inactive: Surface Mounted or Concealed Flush Bolts)
	8'0" (2438 mm)	8'0" (2438 mm)	Flush	
	8'0" (2438 mm)	10'0" (3048 mm)	Flush	
	6'0" (1829 mm)	8'0" (2438 mm)	Flush	
Double Egress	8'0" (2438 mm)	8'0" (2438 mm)	Flush	<b>4 point</b> (Concealed or Surface Mounted)
	8'0" (2438 mm)	9'0" (2743 mm)	Flush	
	6'0" (1829 mm)	8'0" (2438 mm)	Flush	

### Neutral Pressure

Swing Type:	Maximum Dimensions		Panel Type:	Latching:
	Width:	Length:		
Single Swing	4'0" (1219 mm)	10'0" (3048 mm)	Flush	<b>Single Point</b> (Mortised or Cylindrical)
Pairs	8'0" (2438 mm)	10'0" (3048 mm)	Flush	<b>3 or 4 point</b> (Active: Mortised or Cylindrical) (Inactive: Surface Mounted or Concealed Flush Bolts)
Double Egress	8'0" (2438 mm)	9'0" (2743 mm)	Flush	<b>4 point</b> (Concealed or Surface Mounted)



Limitations: (Review Machining Report for further detail)

- Cylindrical Latches (Listed and Labeled)
- Mortise Lockset (Listed and Labeled)
- Deadlock (Listed and Labeled)
- Light Kit (Listed and Labeled)
  - Listed Steel Lite Kit – max. 1296 sq. in. (max dimension of 54”)
- Fire Exit Devices (Listed and Labeled)
  - Surface mounted vertical rod, RIM type and mortise exit devices
- Surface Mounted or Concealed Flushbolts (Listed and Labeled)
- Surface Mounted or Concealed Door Bottoms (Listed and Labeled)
- Surface Mounted Door Closers (Listed and Labeled)
- Viewers (Listed and Labeled)
- Protection Plates
  - Brass, bronze, steel, aluminum, polycarbonate or decorative laminate maximum 16” high.
- Electrical Raceway
  - 3/8 diameter through the door core

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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