

FIRE DOOR LISTING PROGRAM

Customer: Convoy Custom Interiors Inc.
Class: Fire Resistant Doors and Frames
Location: Vaughan, Ontario
Website: www.convoycustom.ca

Listing No. F464-1
Project No. F464-1 ED2

Effective Date: February 25, 2021
Last Revised Date: February 25, 2021

Standards: CAN/ULC-S104 *Standard Method for Fire Tests of Door Assemblies*
 NFPA 252 *Standard Methods of Fire Tests of Door Assemblies*
 UL 10B *Standard for Fire Tests of Door Assemblies*

Product: 45 Minute rated Category “B” Fire Doors with Hose Stream

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

Models: 45 MINUTE MINERAL CORE FIRE DOORS CATEGORY B:

Minimum 1-3/4” Thickness

Swing Type:	Maximum Dimensions		Panel Type:	Latching:
	Width:	Height:		
Single Swing (5-Ply or Plastic-Faced)	4’0” (1219 mm)	10’0” (3048 mm)	Flush	Single Point (Mortised or Cylindrical Locksets. Surface Mounted or Mortised Fire Exit Devices)
Single Swing (7-Ply)	4’0” (1219 mm)	9’0” (2743 mm)	Flush	Single Point (Mortised or Cylindrical Locksets. Surface Mounted or Mortised Fire Exit Devices)
Pairs	8’0” (2438 mm)	8’0” (2438 mm)	Flush	3- or 4-point (Active: Mortised or Cylindrical; Inactive: Mortised Flush Bolts and Surface Mounted Bolts. Surface Mounted or Mortised Fire Exit Devices)
Double Egress (90 Minute door construction required)	8’0” (2438 mm)	8’0” (2438 mm)	Flush	4-point (Mortised Flush Bolts and Surface Mounted Bolts. Surface Mounted or Mortised Fire Exit Devices)
Transom * (Single Swing only)	4’0” (1219 mm)	4’0” (1219 mm)	Flush	Steel Spring Bolts

* **Note:** Maximum Single Swing Door + Transom Assembly Dimensions – 4’0” wide x 10’0” high.

Temperature rise @ 30 min = 250°F MAX where lites do not exceed 100 in²

The above Category B Fire Doors are required to be installed with Listed Category G Edge Seal when used in Positive Pressure applications. Category G Edge Seal is to be Listed for the application and duration of the Listed Marshfield Door Systems.



Additions / Limitations:
(See Machining Specifications Report for details)

Latch Sets (Listed and labeled for rated opening and mineral core door type)

- Cylindrical Latches.
 - Maximum 2-1/8" bore.
 - Minimum 1/2" bolt throw on single swing doors, 3/4" bolt throw on pairs.
 - Maximum 5" backset.
- Mortised Latches.
 - Maximum cutout 1-1/16" wide, 4-1/2" deep, 6" long.
- Unit Locks.

Deadbolt (Listed and labeled for rated opening and mineral core door type)

- Cylindrical Deadbolts.
 - Maximum 2-1/8" bore.
 - Minimum of 6" above the latch.

Hinges (Listed and labeled for rated opening and mineral core door type)

- Hinges as per NFPA 80.
- Continuous Hinges listed for use on mineral core doors.

Flush Bolts (Listed and labeled for rated opening and mineral core door type)

- Manual or Automatic flush bolts permitted.
- Extension flush bolts with a maximum 24" extension rod permitted.

Fire Exit Devices (Listed and labeled for rated opening and mineral core door type)

- Rim Exit Devices.
- Mortise Exit Devices.
 - Maximum cutout 1-1/16" wide, 4-1/2" deep, 6" long.
- Surface Mounted Vertical Rod Exit Devices.
- Concealed Vertical Rod Devices.
 - Straight Pairs only, nor permitted on Double Egress doors.
 - Von Duprin models 9847 WDC-F, 9947 WDC-F, 90047 EDC-F.
 - Listed 5" Metal Edge required.
 - Through-bolts required without inner blocking.
 - Wood screws permitted with inner blocking. Top rail must indicate blocking location.

Door Closers (Listed and labeled for rated opening and mineral core door type)

- Surface Mounted only.
 - Through-bolts required without inner blocking.
 - Wood screws permitted with inner blocking. Top rail must indicate blocking location.

Surface Mounted Protection Plates

- Maximum 1/8" thick.
- Steel, brass, bronze, aluminum or decorative listed laminate up to 16" high.
- May be attached using wood screws 6" O.C. and/or suitable adhesive.

Moldings / Plant-Ons

- Wood moldings permitted, maximum 1-1/2" wide x 3/4" thick.
- Maximum coverage 20% of face area.
- Must be applied with brad nails and / or adhesive.



Louvers

- Permitted on single swing doors up to 4'0" wide x 9'0" high.
- Maximum dimension 24" x 24".
- Two louvers permitted on a single door, total area not to exceed 576 sq. in., minimum 6" distance between cutouts.
- Not permitted in doors prepared for vision panels.
- Not permitted in doors incorporating hardboard faces.

Metal Edges

- Full or partial length surface applied metal edge guards permitted on stiles.
- May not be mortised into the face of the door.

Plastic Edges

- Surface applied plastic strips made of material meeting NEMA LD-3 requirements permitted on rails or stiles.
- Must be applied with hot melt adhesive.

Viewers (Listed and labeled for rated opening and mineral core door type)

- Maximum 1" diameter.
- Viewers located a minimum 12" away from edges of doors and other hardware.
- Two viewers permitted, maximum 1/2" diameter each, located a minimum 6" apart.

Glass Lites

- Glazing material shall be Listed and labeled for rated opening, light kit and door type.
- Glazing installed in accordance with NFPA 80, and the Listed light kit frame installation instructions.
 - Maximum 1200 sq. in. lite area.
 - Maximum 100 sq. in. lite area for Temperature rise applications.
 - Maximum 30" lite width.
 - Maximum 54" lite height.
- Multiple lites allowed when the sum of areas does not exceed the maximum area noted above.
- Minimum spacing from the lite cutout to the door edge or any other cutout is 5-1/2" when used in wood and plastic faced doors.

Door Bottoms Seals (Listed and labeled for rated opening and mineral core door type)

- Surface mounted automatic door bottoms.

Electric Raceway

- Maximum 1/4" diameter raceway permitted, must be machined by the door manufacturer.
- Maximum 5/8" diameter x 2-1/2" depth wire connection pocket permitted behind the hinge.

Electric Strikes, Magnetic Switches and Electrical Power Transfers (EPT)

- Permitted.
- See Machining Specifications Report for details.

Notes: *Refer to QAI evaluation report F464-1 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.

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 guarantee 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.
