

## FIRE DOOR LISTING PROGRAM

Customer: Daiek Woodworks  
 Class: Fire Doors  
 Location: Sterling Heights, Michigan  
 Website: www.daiekwoodworks.com  
 Listing No. F416  
 Project No. F416-1 Edition 3  
 Effective Date: February, 2013  
 Last Revised: May 3, 2016  
 Standards: CAN/ULC-S104  
 UL 10(b)  
 UL 10(c)  
 NFPA 252

*Standard Method for Fire Tests of Door Assemblies.*  
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Product: 45 min Rated Fire Doors

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

Models / Ratings: **45-MINUTE LAMINATED CORE PANEL DOORS:**

### MAXIMUM DOOR SIZES:

#### Minimum 1-3/4" Thickness

| Swing Type:             | Maximum Dimensions |                | Panel Type:     | Latching:  |
|-------------------------|--------------------|----------------|-----------------|--|
|                         | Width:             | Length:        |                 |  |
| Single Swing            | 3'6" (1067 mm)     | 9'0" (2743 mm) | Flush or Raised | Single Point<br>(Mortised or Cylindrical)  |
|                         | 4'0" (1067 mm)     | 7'0" (2134 mm) |                 |  |
|                         | 4'0" (1067 mm)     | 8'0" (2438 mm) |                 |  |
| Arched Top Single Swing | 3'6" (1067 mm)     | 8'0" (2438 mm) |                 |  |
| Pairs                   | 7'0" (2134 mm)     | 8'0" (2438 mm) | Flush or Raised | 3 or 4 point<br>(Active: Mortised or Cylindrical)<br>(Inactive: Mortised (Manual) and Surface Mounted Flush Bolts) |
|                         | 8'0" (2438 mm)     | 7'0" (2134 mm) |                 |  |
| Double Egress           | 7'0" (2134 mm)     | 8'0" (2438 mm) | Flush or Raised | 4 point<br>(Concealed or Surface Mounted)  |

#### Temperature rise

- @30 min = 250°F MAX where lites do not exceed 100 in<sup>2</sup>
- @30 min = 250°C MAX where lites do not exceed 100 in<sup>2</sup>

**Minimum 1-3/8” Thickness**

**Communicating Door Frame**

Two slabs must be installed into the same communicating door frame to achieve 45 min rating

| Swing Type:   | Maximum Dimensions |                | Panel Type: | Latching:                                 |
|---------------|--------------------|----------------|-------------|---|
|               | Width:             | Length:        |             |   |
| Single Swing  | 3'0" (941 mm)      | 7'0" (2134 mm) | Flush       | Single Point<br>(Mortised or Cylindrical) |
| Pairs         | Not Permitted      |                |             |   |
| Double Egress | Not Permitted      |                |             |   |

Limitations: (Review Machining Report for further detail)

- Surface Mounted Hardware
- Cylindrical Latches (Listed and Labelled)
- Mortise Lockset (Listed and Labelled)
  - [Max. mortise pocket 4-7/16” deep x 6-1/16” high x 1” thick]
  - Assa Abloy Hospitality AS – Vingcard Mortise Hardware
    - "VingCard Alu" or "Trio VingAccess Alu", Series 1050, 1060, 1070, 1080, 1090
    - 1000 Series; Models 1001, -02, -04, -07, -12, -14, -15, -57, -85 with 19.05 mm (3/4 in.) latch bolts; may include suffix letters -K, -KVC, -L or -LVC
    - "3000 DaVinci, Euro DaVinci and Presidio" battery operated units
- Listed Viewers
- Fire Exit Devices
  - Surface mounted vertical rod, RIM and concealed vertical rod exit devices
- Surface Mounted and concealed door closer (Listed and Labelled)
  - Max mortise 22-1/2” long by 1-3/8” deep by 1-1/4” wide
- Light Kit (Listed and Labelled)
  - Listed Steel Lite Kit – max. 1296 sq. in. (max dimension of 54”)
  - BASF Proprietary clip light kit – max. 2656 sq. in. (max. dimension of 83”)
  - BASF Proprietary steel channel light kit – max. 600 sq. in. (max. dimension of 36”)
- Electric Raceway
- Surface Mounted and concealed door bottom (Listed and Labelled)
  - Max mortise 1-3/4” deep by 1” wide by full width of the door

Notes: Refer to QAI evaluation report F416-1 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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