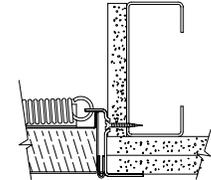
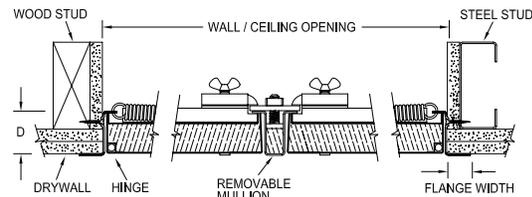
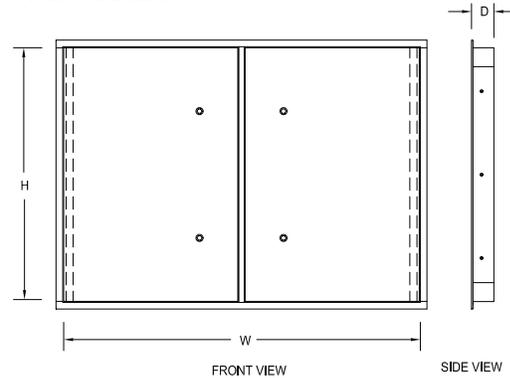


**VAN-MET® MODEL FDL-150 - Two Hour Fire-Rated  
Insulated for Wall or Ceiling Application**

manufactured to  
the **VAN-MET®**  
design standard



Model FDL-150 wall and ceiling fire-rated panels are manufactured under the factory inspection service of Intertek (Warnock Hersey) and have a label reading: "Listed access frame and insulated fire door assembly **2 hour fire rating. Vertical and Horizontal Installation.** Temperature rise maximum 139° C / 250° F at 30 minutes, 250° C / 450° F at 60 minutes."



- The largest two hour ceiling door available on the market, offering architects and engineers unprecedented flexibility in designing.
- Tested and listed by Intertek (Warnock Hersey) for a two hour fire rating.
- Meets temperature rise requirements for a wall application in the United States at 250° F at 30 minutes and 450° F at 60 minutes. In Canada at 250° C at 60 minutes.
- Removable center mullion allows for a larger free area.
- Double leaf reduces the swing radius and clears objects which interfere with the opening of the door.
- Designed to provide additional strength when large rigid doors are necessary.
- Larger and smaller door sizes are available with the double leaf feature.
- Optional: Central two point latch operator (phone for details).
- Maximum hinge length in a double leaf door in a ceiling position is 1219mm (48") and in a wall position 1524mm (60") is the maximum.

**Optional**  
Piano hinge is required  
after a certain size  
(see specifications).

**Materials**

Satin finish galvanized steel or  
304 stainless steel  
Frame - 1.61mm (16ga) steel up to and including  
762mm x 1219mm (30" x 48")  
Frame - 1.99 mm (14ga) steel greater than  
762mm x 1219mm (30" x 48")  
Panel - 1.31mm (18ga)  
Liner - 0.85mm (22ga)

**Insulation**

The door panel contains 38mm (1 1/2") of high temperature insulation material between a 1.31mm (18ga) steel panel and a 0.85mm (22ga) steel liner.

**Non-Combustibility Classification:**

CAN/ULC S114, ASTM E136  
CAN/ULC S102  
ASTM E84, UL723  
Flame Spread 0  
Fuel Contribution 0  
Smoke Developed 0

**Finishes**

The paint finish is an electrostatically applied rust inhibitive prime coat or a No. 4 polished stainless steel finish on the exterior surface.

**Standard**

Removable center mullion

**Hinges**

The concealed continuous rod hinge is designed to secure the door panel. The hinge is placed on the "H" dimension.

**Optional Hinge**

Continuous piano hinge  
**Note:** Greater than 1219mm (48") in a wall position a continuous piano hinge is standard.

**Panel Closer**

The automatic panel closer will close and latch the door from an open position of approximately 90° as required by code.

**All Van-Met® Fire-Rated Access Doors are manufactured to this criteria and do not require any auxiliary springs.**

**Latch**

The standard factory installed latch is a flush mount 1/4" allen key. All fire-rated locks are self-latching and include an interior latch release mechanism allowing the doors to be opened from the inside. The interior latch release is standard on doors including and exceeding 406mm x 406mm (16" x 16"). Under 406mm x 406mm (16" x 16") by request only.

**Optional Latches**

Raised knurled knob  
Non-locking handle

**Optional Lock**

1 1/8" mortise prep complete with mortise cylinder

**Optional**

1 1/8" mortise prep only  
Locking "T" handle (Door inoperable from inside.)

**Flange**

Exterior flange  
Width - 22mm (7/8") up to and including  
914mm x 914mm (36" x 36")  
Width - 32mm (1 1/4") when greater than  
914mm x 914mm (36" x 36")

**Frame Depth**

"D" = 57mm (2 1/4")

**Ordering**

When ordering, please specify wall or ceiling application. Please order by rough opening size. These door are non-returnable.

**Installation**

The frame is manufactured with mounting holes. Factory installed anchor straps are available for masonry, upon request.

**See size and weight chart on page 45.**