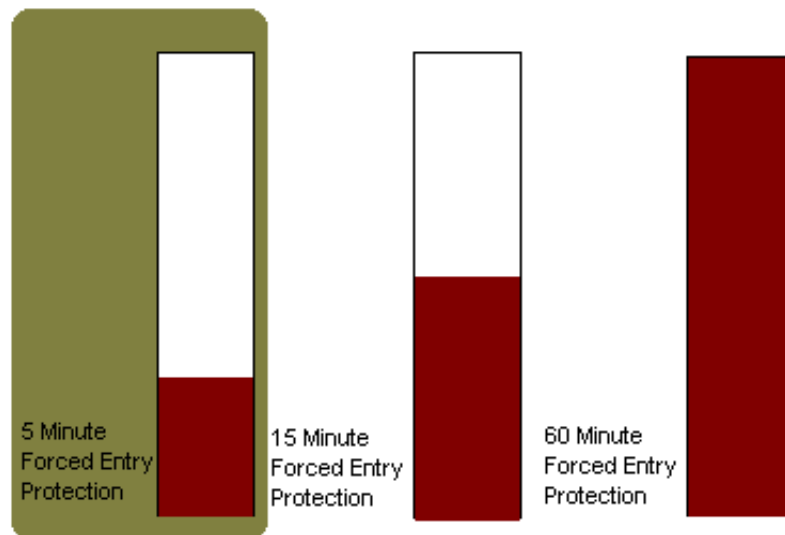


Fabrication Designs, Inc.

# 5 MINUTE FE PRODUCTS

*Doors, Fixed Windows, Teller Windows*



## **5 Minute FE Requirements:**

- 2 Person Attack Team
- 5 Minute Forced Entry Attempt on Each Vulnerable Location of the System
- Prevents Passage of Rigid 12" x 12" x 8" Rectangular Box or Rigid 12" x 12" Cylinder



## Product Description

The FDI05M Forced Entry Resisting Door System is designed to provide 5 minutes of forced entry protection from a variety of tools.

## Basic Use

Use this door system to provide protection in those applications where a forced entry threat exists. It is recommended that this door be used in conjunction with protected wall areas.

## Limitations

This door has been designed to meet the 5-minute forced entry requirements as set forth in DOS SD-STD-01.01, Rev.G (amended). It is recommended that each end user determine the forced entry threat and choose the correct product to meet and resist that threat.

### *Single Vision FDI-05M*

### **FDI-05M**

- |          |                           |
|----------|---------------------------|
| w/Vision | • DOS 1141 GDT-05N-FDI-01 |
| Opaque   | • DOS 2141 GDO-05N-FDI-01 |

## Construction

Doors and frames are constructed of 11-gauge steel components welded together. Each door will have 11 gauge vertical and horizontal steel stiffeners. Top and bottom of door are flush with face sheets.

## Specifications

Door construction: Doors are constructed of steel plates, and steel tubes.

Door Frame Construction: Door frame assembly is constructed of steel tubes. Framing dimensions are 2" wide x 5" deep. Door frames are completely fabricated at factory and shipped with doors attached. All doors are pre-tested for all locking functions, clearances, and ease of operation, to ease field installation. All joint connections are welded to provide a rigid assembly when installed. The doorstop is built into the frame. Frames are predrilled to accept ½" anchors 12" on center. Shims are provided to take up a space at each anchor. Wiring diagrams are shipped enclosed in the hardware

Hardware Assembly: Each door is equipped as follows:

- Door Closer (LCN 4041 CUSH)
- (2) Forced Entry Locks (Adams Rite 1850S w/ 15tt Thumbturns)
- Continuous Hinge (Roton 780112HD)
- Aluminum Threshold (Pemko 177AV36)
- Weather Stripping (Pemko SS88D17)

Optional Hardware: Refer to the hardware section of this catalog for additional hardware information. You must select a lockset, pull handle, or panic device that suits your application. Most hardware is shipped pre-assembled with the door unit.

Subframes: To meet forced entry requirements of DOS SD.STD-01.01 (Rev. G amended), steel tube subframes ¼" wall thickness minimum, must be attached to concrete or masonry with Hilti® Epoxy Anchoring System. An acceptable alternative is the use of steel embeds, ½" thick minimum. These systems are included as options in our product line.

Finish: All doors and frames are furnished prime painted, ready for final finish in field. Options: Factory can apply polyurethane enamel; color chart is available upon request. Doors can also be fitted with various types of architectural metals.

Glazing: Glazing materials shall be of a type approved by H.P. White Laboratory, Inc. for forced-entry resistance. Size on standard 3' x 7' doors is to be limited to 21" x 29 1/2" vision area. The height of the top vision will increase or decrease as the door height is altered. Glazing is replaceable without removing the door from the frame.

## Shipping Weight

### Standard 3'0" x 7'0" Door

Available Styles:

Opaque: 1126 lbs. / 511 kgs.

Double Vision: 1234 lbs. / 560 kgs.



### Glazing

Glazing Materials shall be of a type approved by H.P. White Laboratory for Forced entry.

### Limitations

The Fixed Window Series (FDI-FW05M) was primarily developed to compliment the FDI05M series in those areas where non-transactional type glazing was required. The Teller Window Series (FDI-TW05M) was primarily developed to compliment the FDI05M door series and the FDI-FW05M fixed window in those areas where additional, transactional type glazing is required. This sturdy and boldly designed unit is capable of withstanding repeated physical assaults.



**FDI-TW05M**  
**With Deal Tray**

#### FDI-TW05M

- DOS 1141 GWT-05N-FDI-01

#### FDI-FW05M

- DOS 1141 GWV-05N-FDI-01

### System Construction

1. Frame assembly is constructed of steel angles and tubes. Framing dimensions are 2 ¼” wide by 5” deep.
2. Frames are fabricated and shipped completely glazed ready for installation
3. All joint connections are welded to provide a rigid assembly when installed
4. Frames are pre-drilled to accept ½” anchors 8” on center
5. For TW: Steel counter complete with stainless steel tray 12” deep and loose-shipped intercom

### Sizes

All window units are made to order

### Openings

Standard rough opening is required to be 3/8” to ½” larger than window frame dimension.



**FDI-FW05M**

### Finish

Standard: All steel window frames are furnished prime painted.

Optional: Factory applied enamel can be provided. Also, aluminum trim in clear and bronzed anodized, bronze, stainless steel and brass are available for a premium. Contact factory for information.

### Shipping Weight (approximate)

Per Square Foot: 22 lbs. / 10 kgs.

For TW Counter, add 24 lbs. / 11 kgs. Per linear ft. (width)

Available Window Styles:



## Fabrication Designs, Inc.

Questions or Comments?

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