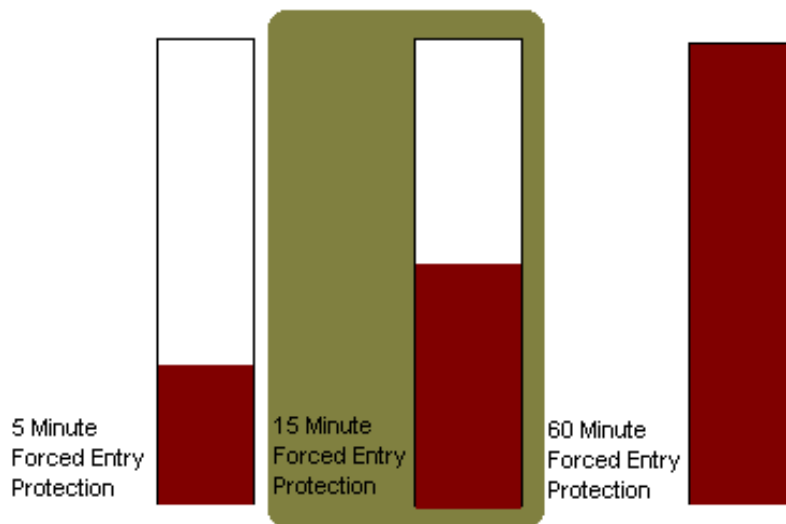


Fabrication Designs, Inc.

15 MINUTE FE/ BR PRODUCTS

Doors, Deal Tray Doors, Door Pairs, Mullions, Fixed Windows, Teller Windows, Opaque Panels



15 Minute FE/BR Requirements:

- 6 Person Attack Team
- 15 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
- Resists 5.56 & 7.62 Military Rifle Ballistic Shots

October 2002



FDI-NGC15M /1-DT
Single Vision With
Deal Tray

Product Description

The FDI15M and FDI-NGC15M Forced Entry Resisting Door Systems are capable of resisting 15 minutes of forced entry assault and defeating multiple impacts of 5.56 and 7.62mm NATO projectiles as defined by applicable U.S. Government Standards.

Basic Use

This door system is used to provide protection in those areas susceptible to mob or terrorist attacks. Applications are likely to be at main security access control points and at other designated egress points.

Limitations

This door has been designed to meet the high power rifle and 15-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.

FDI-215M

- w/Vision • DOS 1123 GDD-15R-FDI-02
- Opaque • DOS 2123 GDD-15R-FDI-01

FDI-15M

- w/Vision • DOS 1123 GDT-15R-FDI-01
- Opaque • DOS 2123 GDO-15R-FDI-01

FDI-NGC215M

- w/Vision • DOS 1123 GDD-15R-FDI-02A
- Opaque • DOS 2123 GDD-15R-FDI-01A

FDI-NGC15M

- w/Vision • DOS 1123 GDT-15R-FDI-02
- Opaque • DOS 2123 GDO-15R-FDI-01A

FDI-NGC15M/1-DT

- w/Vision & Deal Tray • DOS 1123 GDX-15R-FDI-01

Specifications/Construction

Door construction: Doors and frames are full flush construction of ballistic steel plates and steel tube. Vertical jambs and header contain bullet-resisting material equal to protection level of the door.

Door Frame Construction: Door frame assembly is constructed of steel tubes. Framing dimensions are 2” wide x 5 ½” 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 packages.

Hardware Assembly: Each door is equipped as follows:

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

Optional Hardware: Refer to the hardware section of our website 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.

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 and bullet resistance. Size on standard 3’ x 7’ doors is to be limited to 19 1/4” x 30 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

Opaque: 1430 lbs. / 649 kgs. Double Vision: 1574 lbs. / 714 kgs.

Available Styles:

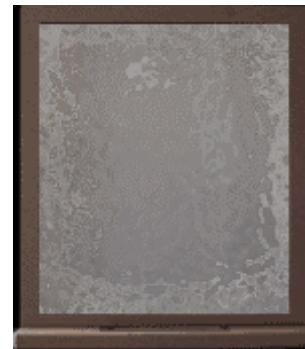


Glazing

Glazing Materials shall be of a type approved by H.P. White Laboratory for forced entry and bullet resistance.

Limitations

The FDI-FW15M Fixed Window Series was primarily developed to compliment the FDI 15 Minute door series in those areas where forced entry, bullet resistant type glazing was required. The FDI-TW15M Teller Window Series was primarily developed to compliment the FDI 15 Minute door series and FDI-FW15M fixed window in those areas where transaction type glazing is required. This sturdy and boldly designed unit is capable of withstanding repeated physical assaults and multiple impacts.



**FDI-TW15M
With Deal Tray
(Textured Glass Shown)**

FDI-NGC15M/FDI-FW15M (15M Door w/ Sidelight Mullion)

- DOS 1123 GML-15R-FDI-01

FDI-TW15M

- DOS 1123 GWT-15R-FDI-01A

FDI-FW15M

- DOS 1123 GWV-15R-FDI-02

FDI-OP15M (Opaque Panel)

- DOS 1123 GPS-15R-FDI-01

Construction

1. Frame assembly is constructed of steel plates, angles and tubes. Framing dimensions are 2 1/4" 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. The caulk space is protected against ballistic and physical assault
5. Frames are pre-drilled to accept 1/2" anchors on 8" center as required
6. For TW: Steel counter 12" deep with stainless steel tray and loose-shipped intercom
7. Steel sub frame recommended; embeds can be used as an alternative

Sizes

All windows are made to order.

Openings

Standard rough opening is required to be 3/8" to 1/2" larger than the window frame dimension.



**Single Vision
FDI-NGC15M
With Sidelight Mullion
(Textured Glass Shown)**

Finish

Standard: All window frames are furnished prime painted

Factory applied polyurethane enamel can be provided. Also, aluminum trim in Clear and Bronze, Stainless Steel, and Brass are available at a premium. Contact factory for information.

Shipping Weight (approximate) / Windows Only

Per Square Foot: 44 lbs. / 20 kgs. for TW counter:
add 24 lbs. / 11 kgs. Per linear ft. (width)

Available Mullion Styles:



Available Window Styles:



Fabrication Designs, Inc.

Questions or Comments?

How to contact us:

Postal Mail: 5622 Lafayette Place
P.O. Box 13
Hyattsville, MD 20781-0013

Telephone: (301) 699-0777 or (800) 366-7725

Facsimile: (301) 699-0779

Email: Sales@fabricationdesigns.com

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