1-3/4" FORCED ENTRY / LEVEL 8 BULLET RESISTANT DOOR (FE8) AND FRAME SYSTEM

DOOR IS SEAMLESS WITH BEVELED EDGES & HANDED
5 YEAR WARRANTY

Vertical stiffeners placed to support the bullet resistant armor.

Suggested Use:
Interior or Exterior ...

Openings For The Protection Of:
Classrooms K-12, Universities, Healthcare,
Mission Critical Buildings, Government,
Military, Executive Offices, Guard Houses,
Control Rooms and anywhere the highest level of protection and durability are important considerations.

Forced entry resistant exit device with multi-point deadbolt system, Pemko HG3505 stainless steel continuous hinge with security studs and fire pins, and 12 gage stainless steel forced entry threshold provided with assembly.
Exit device, continuous hinge, and threshold will be installed.

TEST METHODS AND QUALIFICATIONS

- Forced Entry and Ballistic Resistance of Structural Systems-Doors were tested per DoS ST-STD.01.01 shot with 5.56 and 7.62 rounds and then attacked by a six man Concentrated Assault Team for 15 minutes on the lock edge, 15 minutes on the hinge edge, 15 minutes on the center of the door.
- Tested in accordance with standard for safety UL752: Standard for Bullet Resistant Equipment
- ANSI/BHMA A156.1: Butts and Hinges
- ASTM F3038-14: Standard test method for timed evaluation of Forced Entry Resistant Systems
- Complies with Department of State SD STD-01.01 Rev G (amended) as tested by OBL Lab
- Complies with the following portions only of HMMA 862-13: 1) Bullet Resistance Tests, 5) Forced Entry Test and Security Rating Classifications 1, 2, and 3 (15 minute forced entry portion and bullet resistance Level 8)
TECH-DATA

FORCED ENTRY / LEVEL 8 BULLET RESISTANT ASSEMBLY

ELEVATION

VERTICAL SECTION

HORIZONTAL SECTION

Horizontal and vertical sections shown above depict outswinging armor conditions.

TYPICAL FORCED ENTRY FRAME PROFILE

VERTICAL SECTION

SILL DETAIL

(Conversion: 1" = 25.4 mm, e.g., 1-3/4" = 44.45 mm)
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FORCED ENTRY / LEVEL 8 BULLET RESISTANT ASSEMBLY

1. FORCED ENTRY RESISTANT EXIT DEVICE WITH MULTI-POINT DEADBOLT PROVIDED AND INSTALLED.

5. 12 GAGE STEEL END CHANNELS
- INVERTED TOP & BOTTOM CHANNELS WELDED TO BOTH FACE SHEETS
- 12 GAGE TOP & BOTTOM CAPS WELDED INTO END CHANNEL WITH 1” STITCH WELDS 2” ON CENTER.
- 12 GAGE CONTINUOUS LOCK EDGE CHANNEL SPOT WELDED TO DOOR SKIN
- LEVEL 8 BALLISTIC ARMOR

2. DOOR CONSTRUCTION
- BOTH EDGE SEAMS CONTINUOUSLY WELDED
- 12 GA. FACE SHEETS
- 14 GA. FULL HEIGHT VERTICAL STEEL STRIPS WELDED TO FACE SHEETS
- BOTH EDGES HAVE 12 GA. CONTINUOUS EDGE CHANNELS SPOT WELDED TO FACE SHEETS.
- LEVEL 8 BALLISTIC ARMOR/CORE
- ADDITIONAL 14 GA. CHANNEL WELDED ABOVE & BELOW LOCK CUTOUT.

3. CLOSER REINFORCEMENT
- 12 GAGE PLATE

4. HORIZONTAL SECTION
- SINGLE OUTSWING
- ARMOR
- 1” ACTUAL LEAF WIDTH
- 1/2” DOOR OPENING WIDTH
- PEMKO HG3505 STAINLESS STEEL CONTINUOUS HINGE WITH SECURITY STUDS AND FIRE PINS PROVIDED & INSTALLED.

1/2”

5. STANDARD HINGE PREPARATION FOR
- PEMKO HG3505 STAINLESS STEEL CONTINUOUS HINGE WITH SECURITY STUDS & FIRE PINS
- BEVELED HINGE EDGE
- 3/16” HINGE REINFORCEMENT PLUG WELDED TO EDGE CHANNEL

2 1/2’

12 GAGE

1-1/2” X FULL HEIGHT
16 GAGE ASTRAGAL CONTINUOUSLY WELDED FULL HEIGHT OF DOOR

PUNCHED AND DIMPLED FOR 3/8” BOLT. BOLTS BY OTHERS.

NOTE: ANCHORS MAY VARY IN APPEARANCE BASED ON THE PLACEMENT OF ARMOR.
TECH-DATA FORCED ENTRY / LEVEL 8 BULLET RESISTANT ASSEMBLY

PRODUCT SPECIFICATIONS:

1-3/4" thick Forced Entry Level 8 bullet resistant doors and frames shall be provided by Ceco Door Products. Doors & frames shall provide bullet resistance in accordance with UL 752. Assemblies are compliant to Department of State Standard SD-STD-01.01 Rev. G (amended). Assembly is tested to withstand 15 minutes of simulated "mob" attack and resistant to 5.56 M193, 5.56 M855 and 7.62 M80 ballistic rounds. Assembly is equipped with hollow metal door, frame, noted hardware, and crated for shipment. Door weight only is 24 pounds per square foot.

**Forced Entry Bullet Resistant Level 8 doors** are seamless design. Door edges are continuously welded seams and ground smooth. No seams are visible on faces or vertical edges. Face sheets are commercial quality 12 gage steel conforming to ASTM A1008 or optional hot-dipped galvanized or galvanized steel (conforming to ASTM A924 and A653) - see chart below. 3'0" x 7'0" only.

**Forced Entry Bullet Resistant Level 8 frames** are custom double rabbet profile 12 gage steel. Frame depths vary from 5-3/4" through 14" of continuous welded construction. Mute holes are not provided. Adhesive sealers should be applied by others. Frames are punched and dimpled for existing wall anchors. Anchor bolts by others.

**Hardware Provisions:** Perko HG3505 stainless steel continuous hinge with security studs and fire pins. The door hinge & lock edge has a standard bevel (1/8" in 2") and is prepared for a forced entry multi-point exit device with deadbolt system. Aforementioned hardware to be provided and installed at service center.

**Paint:** All exposed surfaces of door and frame shall be provided with one coat of oven-cured neutral color, rust inhibitive prime paint. The primer coat is a preparatory base for necessary finish painting. Factory finish paint is not available.

**Warranty:** 5 YEARS

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<th>MATERIAL</th>
<th>BULLET RESISTANCE LEVEL</th>
<th>DOOR &amp; FRAME A40 GALVANNEAL</th>
<th>DOOR &amp; FRAME A60 &amp; G90 GALVANIZED</th>
<th>FRAME MATERIAL</th>
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<td>STD</td>
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<td>12 GAGE</td>
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