1-3/4" ARMORSHIELD (AS) VERTICALLY STEEL STIFFENED
UL LISTED BULLET RESISTANT DOOR and FRAME SYSTEM

TESTED IN ACCORDANCE WITH UL STANDARD FOR SAFETY
BULLET RESISTANT EQUIPMENT TEST: UL752

The ArmorShield system is rated for super power small arms (SPSA) and is intended for architectural environments with equivalent bullet resistance. The system has not been tested for resistance to forced entry. Field assembly is required as is preparation for surface applied hardware. System must be installed securely by contractor in a manner to achieve the intended functional operation and appearance. The fiberglass, sound deadening insulation between stiffeners make the system a good choice for exterior use.

Suggested Use:
Interior or Exterior ...
Public Utility Field Buildings
Cashier Islands
Currency Exchanges
Ticket Booths
Box Offices

<table>
<thead>
<tr>
<th>BALLISTIC LEVEL</th>
<th>WEAPON TYPE</th>
<th>BULLET TYPE</th>
<th>BULLET VELOCITY</th>
<th>MUZZLE ENERGY</th>
</tr>
</thead>
<tbody>
<tr>
<td>I</td>
<td>9mm</td>
<td>FULL METAL JACKET 124gr.</td>
<td>1234 ft/s</td>
<td>380-460 ft/lbs</td>
</tr>
<tr>
<td>II</td>
<td>.357 Mag.</td>
<td>JACKTED LEAD POINT 158gr.</td>
<td>1312 ft/s</td>
<td>743-889 ft/lbs</td>
</tr>
<tr>
<td>III</td>
<td>.44 Mag.</td>
<td>LEAD SOFT POINT 240gr.</td>
<td>1417 ft/s</td>
<td>1370-1593 ft/lbs</td>
</tr>
</tbody>
</table>
Hardware locations shown match Ceco standard frames.

ELEVATION

VERTICAL SECTION

HORIZONTAL SECTIONS

Conversion: 1" = 25.4 mm, e.g., 1 3/4" = 44.45 mm

TYPICAL PROFILE
Double rabbet shown, single available (Frame corners are welded)

VERTICAL SECTION

VERTICAL SECTION

RETURN TO TOP
MASONRY "T" ANCHOR (ADJUSTABLE) MT

FOR STANDARD DEPTHS SHOWN BELOW.

3-3/4", 4-1/4", 4-3/4", 5-1/4" AND 5-3/4" DEPTHS

Snap-in type

MASONRY "T" ANCHOR MT

FOR DEPTHS OTHER THAN STANDARD

3-3/4", 4-1/4", 4-3/4", 5-1/4" AND 5-3/4" DEPTHS

Snap-in type

YOKE AND STRAP MASONRY ANCHOR YS

Available on special order only

WIRE MASONRY ANCHOR WMA

FOR STANDARD AND SPECIAL DEPTH FRAMES

(Wire Masonry Anchor for 3" thru 8-3/4" Depths)

Snap-in type

FLOOR ANCHOR SA

STANDARD DOUBLE RABBIT ONE PIECE ANCHOR

FOR STANDARD DEPTH FRAMES

SINGLE RABBIT DOUBLE EGRESS

IN-FIELD: FASTEN ANCHOR TO FLOOR. SLIP-FIT FRAME OVER ANCHOR

SIDELITE FLOOR ANCHOR (Optional)

SLFA

FOR STANDARD AND SPECIAL DEPTH FRAMES

METAL STUD "Z" ANCHOR MSZ1

DESIGNATE WALL CONFIGURATION SO THAT PROPER POCKET CAN BE PROVIDED

5/8" Welded type

METAL STUD "Z" ANCHOR MSZ2

DESIGNATE WALL CONFIGURATION SO THAT PROPER POCKET CAN BE PROVIDED

5/8" Welded type

Welded type

WELD WITH STUD

BY OTHERS

(Used also for Metal Stud Walls)

WOOD STUD "Z" STRAP ANCHOR WSZS

DESIGNATE WALL CONFIGURATION SO THAT PROPER POCKET CAN BE PROVIDED

5/8" Welded type

EXISTING OPENING ANCHOR EO/N

DEPTHS OVER 14" REQUIRE TWO EO/N ANCHORS PLACED ACROSS SOFFIT

2" Snap-in type

EXISTING OPENING ANCHOR (STANDARD) EO

SU PROFILE EO/S6: 4-3/4" thru 6-3/4" depth

EO/S8: 6-7/8" thru 8-3/4" depth

SO PROFILE EO/S6: 5-1/8" thru 6-3/4" depth

EO/S8: 6-7/8" thru 8-3/4" depth

EXISTING OPENING ANCHOR EO

DEPTHS OVER 14" REQUIRE TWO PIPE & PLATE ANCHORS PLACED ACROSS SOFFIT

RETURN TO TOP
PRODUCT SPECIFICATIONS:

1-3/4" Thick steel doors shall be by Ceco Door Products. Doors shall conform to the Steel Door Institute guide specification, ANSI A250.8- and NAAMM 860 specifications. See chart below for performance classifications.

The Armorshield System is listed in the UL Burglary Protection Directory and complies with Standard for Safety Bullet Resisting Test, UL 752. Doors and frames must be supplied together and are commercial quality cold rolled steel conforming to ASTM A1008...or (optional) hot-dipped galvanized steel conforming to ASTM A653 and A924.

Armorshield doors are seamless design. Door face sheets are joined at their vertical edge with a center seam that is welded the full height of door. Welds are ground, filled, and dressed smooth. Seams are invisible and surface is smooth. 22 gage steel vertical stiffeners are placed no more than 6" apart and welded to both face sheets no more than 5" o.c. along their length. Fiberglass batting insulates the area between stiffeners. The top of the door is closed flush with a cap screwed into a welded-in inverted channel. The bottom of the door is closed with an inverted channel welded to both face sheets.

Armorshield frame profiles are double and single rabbet in depths from 4-5/8" through 13-7/8" of all welded corner construction. Jamb anchors for masonry or stud walls are available.

Armorshield glass lites are UL listed, SPSA rated with steel framing.

Hardware Provisions: Hinge preparations are handed. Hinge edges are mortised for 4-1/2" (up to 3'0 x 7'0) or 5" high (over 3'0 x 7'0), heavy weight hinges. 7 gage steel hinge reinforcements are welded inside the door edge and are drilled and tapped for fasteners in accordance with ANSI A156.7. The lock edge has a standard bevel (1:16). Hinge edge is square. Lock edge is prepared for Gov. series 86 or 160/161 locks in accordance with ANSI A115 (specify which). Architect note: Doors over 3070 require 5" x .190" hinges. Hardware is not required to be by Ceco Door.

Paint: 1-3/4" steel doors shall be provided with one coat of oven-cured neutral color primer paint. Primer coat shall conform with ANSI A250.10. The primer coat is a preparatory base for necessary finish painting. Colorstyle paint is not available applied to the door from the factory. Colorstyle paint is available with armorshield frames up to 4'0" x 8'0".

MATERIAL

<table>
<thead>
<tr>
<th>ITEM</th>
<th>THICKNESS</th>
<th>COLD ROLLED STEEL</th>
<th>A60 GALV. STEEL</th>
</tr>
</thead>
<tbody>
<tr>
<td>DOOR FACE SHEETS</td>
<td>12 GAUGE</td>
<td>STD.</td>
<td>OPT.</td>
</tr>
<tr>
<td>FRAME</td>
<td>12 GAUGE</td>
<td>STD.</td>
<td>OPT.</td>
</tr>
</tbody>
</table>

PERFORMANCE

Physical Endurance /Level: Meets ANSI A250.4 Performance Test, Level A (1,000,000 Cycles)

(Conversion: 1' = 25.4 mm, e.g., 1-3/4" = 44.45 mm)