



Specialty Door and Frame Solutions



ASSA ABLOY Group brands Ceco Door and Curries

are considered a leading manufacturer of steel doors and frames for commercial, industrial, and institutional construction. With combined manufacturing plants totaling over 1 million square feet Ceco Door and Curries operate some of the largest production facilities in the industry. Using only the highest quality materials and manufacturing techniques, Ceco Door and Curries produce metal doors and frames to meet the full range of safety, security, and aesthetic requirements. Ceco Door and Curries are also today's premier providers for specialty door and frame solutions including acoustical, stainless steel, blast, blast and hurricane, bullet, lead-lined, RF shielded, water resistant, flood, attack resistant, and forced entry bullet resistant.

Compliant Government Sourcing

Our specialty solutions can meet the Federal Government's common domestic sourcing/procurement regulations including Buy America, Buy American Act, Buy American Build American Act, Trade Agreement Act, and American Iron and Steel provisions.

Sustainability is a Natural Part of What We Do

Ceco Door and Curries are committed to implementing sustainable manufacturing processes that provide:

Lower operating costs — many products far exceed ANSI/SDI standards, translating to longer product life and easier maintenance (plus less waste in landfills).

Energy conservation — a clear result of our energy-efficient doors and frames.

Health and safety for occupants — comes from using non-hazardous materials and providing effective life-safety solutions.

Our goal is to make sustainability a central part of our business philosophy and culture, but even more important is the job of integrating sustainability into our business strategy.

For further information, lean on our industry and product experts at specialtyproducts.techsupport@assaabloy.com



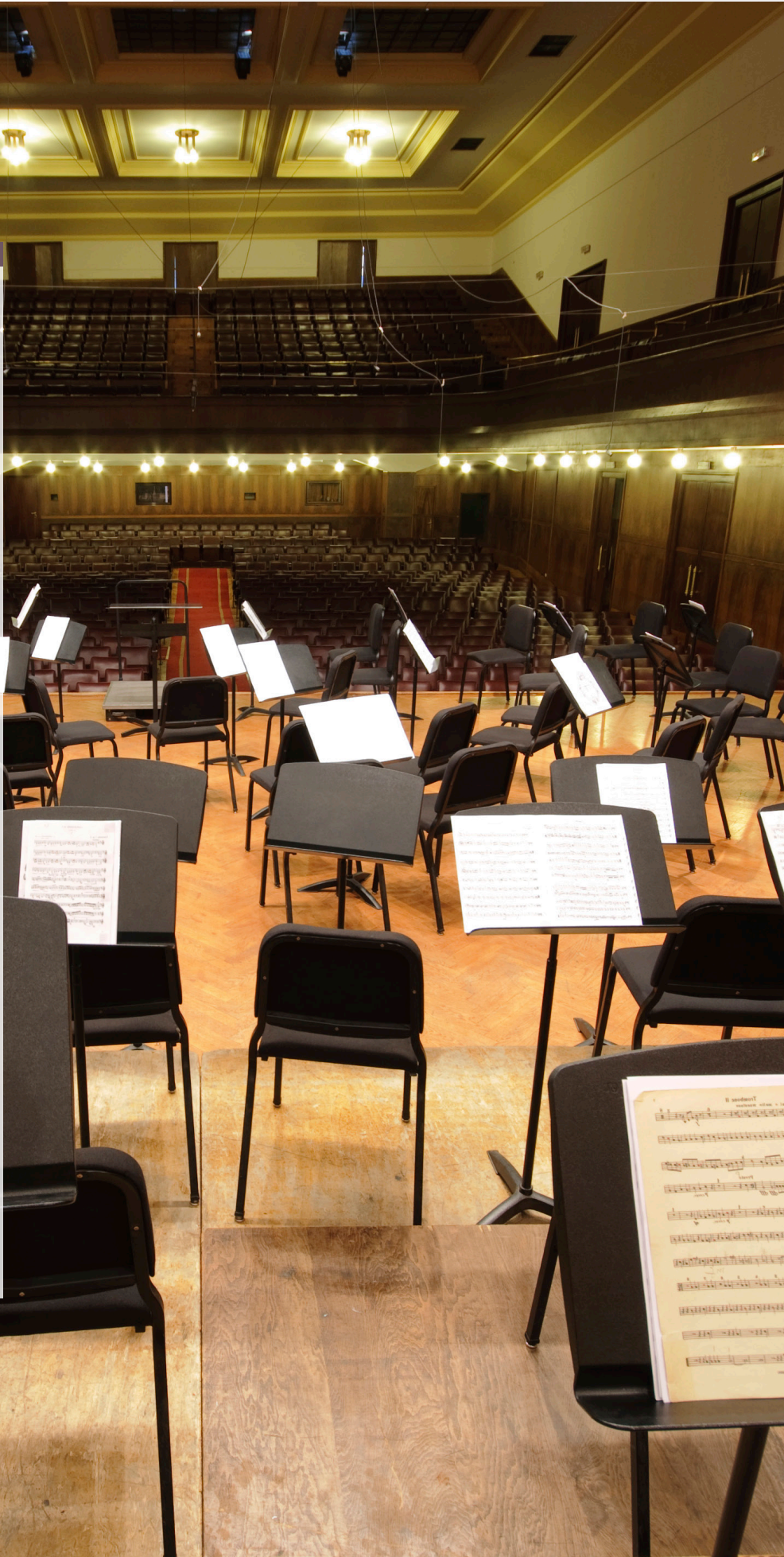
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01 ACOUSTICAL

Using the latest revolutionary technology, patented designs, and utilizing lightweight sound absorbing techniques, ASSA ABLOY has developed acoustical assemblies that solve noise problems for any facility.

High Sound Transmission Class (STC) ratings are typically needed to create sound resistant rooms for the government and military, airports, school band rooms, and to isolate performance halls from exterior noise. Relatively lower STC ratings are provided for less demanding applications, such as hotels or office buildings. ASSA ABLOY offers a complete range of STC rated door assemblies providing a solution for any application.





Advantages

- Enhances learning in classrooms
- Promotes healing in healthcare environments
- Provides security and privacy
- All STC values are operable assemblies
- Assemblies have been third-party tested
- Plastic laminate and applied moldings available for decorative applications

Applications

- Education
- Healthcare
- Sensitive compartment information facilities (SCIFs)
- Special access program facilities (SAPFs)
- Hospitality
- Transportation centers
- Commercial offices and conference areas
- Sports arenas

Technical Options

Doors

- Up to 4'0"x8'0" singles and 8'0"x8'0" pairs
- 3-hour fire rating by Underwriters Laboratories (UL) and ITS (fire ratings vary with STC rating)
- Wood doors available in various species, stains and finishes
- Seals, thresholds, and door bottoms (when required) are shipped with the doors along with the attached STC rating label

Acoustical Door Assemblies

| | HM | Wood | Laminate |
|------------------------|----------|----------|----------|
| Single – Flush | Up to 66 | Up to 53 | Up to 66 |
| Single – Glazed | Up to 52 | Up to 51 | Up to 52 |
| Borrowed Lite – Glazed | Up to 57 | | |
| Sliders – Flush | Up to 54 | | |
| Single – Decorative* | Up to 48 | | |
| Pairs – Flush | Up to 49 | | |
| Pairs – Glazed | Up to 47 | | |

*Embossed Panel (s)

Frames

- Some acoustical assemblies can be used with a standard single or double rabbet frame with welded corners.
- Higher acoustical rated assemblies require a custom acoustical frame. Frames need to be backfilled with appropriate sound deadening material.

Hardware

- Locks: Cylindrical, mortise, mortise deadlocks, military
- Hinges: Standard weight 4-1/2", 5", continuous, and cam lift - specific hinges may be required depending on the STC rating
- Exit Devices: Surface vertical exit devices
- ElectroLynx™ option available for electrified hardware

Testing

Acoustical assemblies are third-party, independently tested under the ASTM E90, ASTM E1332, ASTM E2235, ASTM E413, SDI 128, and HMMA 865 criteria.

For further information, lean on our industry and product experts at: specialtyproducts.techsupport@assaabloy.com



02 ATTACK RESISTANT

Attack Resistant Solutions provided by ASSA ABLOY are offered as either a complete opening or retrofit solution. The intent is to delay access to an attacker and suppress unauthorized entry until first responders are able to arrive.

These products have been tested according to the 5-aa10 test standards based on the FBI's Active Shooter Report to set standards for forced entry for new construction, specifically hollow metal doors, frames, hardware, structures and systems.

Although the opening is not intended to be bullet resistant, the entire assembly will remain intact and not weaken if shot and physically attacked for a minimum of 4 minutes.



Advantages

- Optional 20, 45, 60, and 90 minute WH fire ratings with fire rated School Guard Glass™ SG5™ (complete assembly)
- Attack Resistant Solutions provide at least 4 minutes of resistance to physical attack
- Meets test standards for forced entry and ballistic resistant levels of protection for various threats set forth based on the FBI's Active Shooter Report
- Cost effective alternative to bullet resistant doors and windows

Applications

- Schools and Universities
- Healthcare facilities
- Commercial offices and conference areas
- Computer data processing security centers
- Military secure facilities
- Financial centers

Complete Attack Resistant Opening

Doors

- Ceco or Curries doors with 16 ga. face sheets (14 ga. optional)
- In-swing and out-swing available

Frames

- 16 gauge frames (14 optional)
- Knock down or welded
- Welded sidelights and borrowed lights available

Glass and Glazing

- Optional 20, 45, 60, and 90 minute WH fire ratings with School Guard Glass™ SG5™ (complete assembly)
- Narrow light and half glass sizes
- Type 2, 10, and 8 (fire rated) glass kits
- Door glass is factory installed- sidelight and borrowed light glass is provided to be field installed by others

Assembly Hardware

Lock Options

- SARGENT 8200 Series mortise lock with latchbolt, deadbolt, LS (Security) escutcheon and lever trim
- Corbin Russwin ML2000 Series mortise lock with latchbolt, deadbolt, VR (Vandal Resistant) escutcheon and lever trim
- ASSA ABLOY ACCENTRA SL8800 Series mortise lock with latchbolt, deadbolt, SL (Security) escutcheon and lever trim

Hinge Options

- 3 or 4 each 4-1/2" x 4-1/2" standard weight McKinney hinges
- Pemko steel continuous hinges

* Glass and door assembly does not stop bullets from penetrating the opening, but will stay intact and locked throughout the physical attack.

Attack Resistant Retrofit Options

Light Kit and Glass Sizes:

- Type 2 light kit for existing hollow metal doors
- Type 10 light kit for existing wood doors
- Several standard sizes in vision, narrow light and half glass configurations

| Vision | Narrow Light | | Half Glass |
|--------|--------------|------|-------------------------|
| 10x10 | 3x33 | 6x16 | 23-13/16x28 (3068)* |
| 12x12 | 4x24 | 6x24 | 23-13/16x32 (3070)* |
| | 4x25 | 6x30 | 23-13/16x34 (3072)* |
| | 5x20 | 6x36 | *Type 2 kit sizes shown |

- Custom sizes available (min of 3 sq. ft.)

Glass and glazing

- School Guard Glass SG5 attack resistant glass
- Dow 995 silicone glazing compound (10.3 oz tube)
- Tremco 440 butyl tape to be applied to the glass kit interior and exterior sides

Glass and Glazing for Existing Sidelights and Borrowed Lights

Sidelights

- 6" x 10" – 47" x 92-3/4"

Borrowed Lights

- 3" x 10" – 95" x 47" glass horizontal oriented
- 3" x 10" – 47" x 95" glass vertical oriented (custom sizes available - 3 sq ft min)

Testing

5-aa10 test standard sets requirements and testing methods to certify forced entry and ballistic systems. This standard is intended for use by schools and other public or private facilities that use commercial grade wood and hollow metal entrance doors, framing, hardware, structures and systems as well as glass, fixed sidelight, and borrowed light framing system.

- 30 shots (7.62 mm / .308 caliber) fired at door glass, 30 shots (7.62 mm / .308 caliber) fired at door hardware in a 6" x 6" area and 30 shots (7.62 mm / .308 caliber) fired at door sidelight in a 6" x 6" area*. Door then remained closed and sidelights prevented assailant entry after 4 minutes of attack by single assailant using hand tools of various types as allowed in test
- ASTM C1036 - Standard Specification-Flat Glass
- ASTM C1172 - Standard Specification for Laminated Architectural Flat Glass
- ANSI Z97.1 Safety Materials Used in Buildings
- UL 972 Standard for Burglar Resistant Glazing Material



ASSA ABLOY and School Guard Glass partnering to increase security options.

For further information, lean on our industry and product experts at: specialtyproducts.techsupport@assaabloy.com

03 BLAST RESISTANT

Blast resistant opening solutions were developed to meet U.S. government, military, and embassy safety and security objectives for blast resistance. Providing extra protection against explosions and excessive force, our blast resistant openings meet or exceed the stringent manufacturing and performance requirements of the Department of Defense, Department of State, Department of Homeland Security, and other regulatory groups.

Blast resistant doors and frames have a number of options including glazed doors, borrowed lites, transoms, and pairs.



Technical Options

Blast Assemblies

Blast resistant up to 43 psi. Additional ratings are available for both seated and unseated assemblies. For more information, contact the factory for all available options and blast test standards criteria.

Blast Resistant Hardware

Blast Resistant Openings must be installed as a complete approved assembly, which includes all necessary hardware. Multiple hardware configurations are available based on design requirements related to blast pressure and other variables. ASSA ABLOY Blast Resistant Openings are available with 3-point latch, concealed vertical rod, surface vertical rod and RIM exit devices, as well as mortise locks and flush bolts, among others. Hardware recommendations are provided for each unique application and specific models are listed on our Blast Resistant Opening project quotes.

Testing

Third-Party tested (or calculated) to the following criteria:

- Categories I, II and III
- ASTM 1642 & ASTM 2927
- UFC 4-010-01 ver. 2012 DoD Minimum Anti-terrorism Standards for Buildings
- GSA TS-01 Level C & D
- US Department of Veterans Affairs
- PIP STC 01018

Blast products are designed to meet project specific requirements. Contact the factory for details.

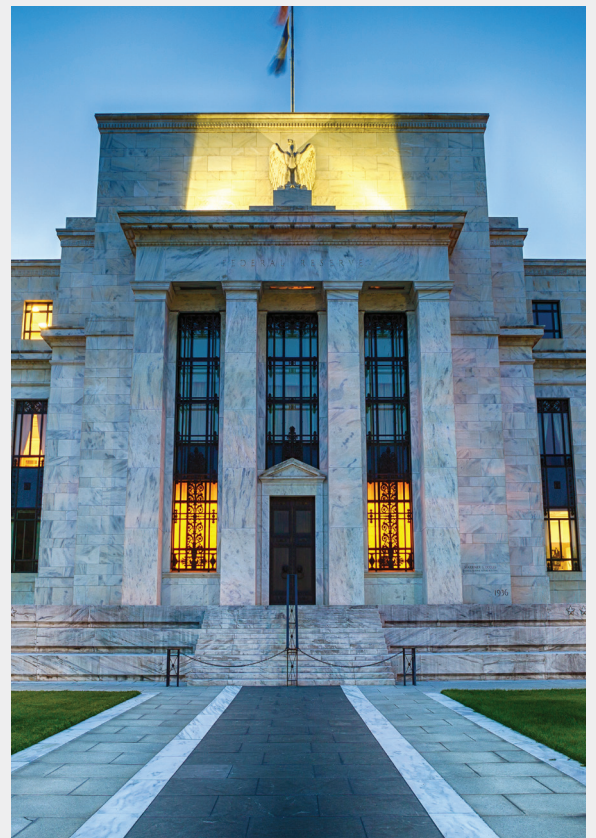
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Advantages

- Meets stringent performance requirements from governing agencies
- Available in stainless steel finishes
- Optional sound ratings available
- Bullet resistant ratings available
- Hardware recommendations and inclusions available upon request (particular hardware models allowed for specified openings are listed on project quotes)
- Plastic laminate and applied moldings available for decorative applications

Applications

- Chemical storage areas
- Courthouses
- Embassies
- Government facilities
- Hospitals (e.g., oxygen storage areas)
- Laboratories, research areas
- Military facilities
- Pharmaceutical companies
- Police and fire stations





04 BLAST AND HURRICANE RESISTANT MULTI-SOLUTION

The Multi-Solution Blast and Hurricane Opening is designed to provide extra protection against explosions and hurricane force winds.

The opening meets U.S. government / military safety and security objectives for blast resistance and protects against extreme wind events in the High Velocity Hurricane Zone (HVHZ).

Technical Options

Performance Levels:

Singles:

- Blast 6.16 psi Category I / Hurricane 150 psf and 50 fps
- Blast 9.74 psi Category II / Hurricane 150 psf and 50 fps
- Optional UL fire rating up to 3 hours

Pairs:

- Blast 6.84 psi Category II / Hurricane 150 psf and 50 fps
- Optional UL fire rating up to 3 hours

Options:

Frame:

- 12 to 14 gauge A60 masonry construction
- 5-3/4" thru 14" jamb depths
- Welded construction
- Multiple anchoring methods
- 4" head option

Door:

- 12-14 Gauge A60 steel stiffened with fiberglass core construction
- Single opening: Min. 2'8" x 6'8", Max. 4'0" x 8'0"
- Pair opening : Min. 5'4" x 6'8", Max. 8'0" x 8'0"
- 18 Gauge welded top cap

Blast Resistant Hardware:

The Multi-Solution Blast and Hurricane Resistant Opening must be installed as a complete approved assembly, which includes all necessary hardware.

Lock (Active Leaf):

- SARGENT BL7300 Series multi-point lock
- Corbin Russwin BL6600 Series multi-point lock
- Concealed vertical assembly (rods, latches and cassette) factory pre-installed in a blast and hurricane resistant door
- Hardware must be installed by a factory trained installer

Surface Bolts - Inactive Door:

- SARGENT 988 or Corbin Russwin 988CR

Hinges:

- McKINNEY® SP3786 or SP3386 butt hinges

Accessories:

- Door closers, perimeter seals, electronic power transfer, and door position switches are also available



Applications

- Critical infrastructure
- Government/Military
- Petro chemical plants
- Museums
- Hurricane environments

Testing

Third-Party tested (or calculated) to the following criteria:

- Meets UFC 4-010-01 DoD Minimum Anti-terrorism standards and ASTM 2927-12 Response Categories 1 (no damage) and 2 (damaged but operable) following a blast.
- Certified by Underwriters Laboratories (UL) for compliance with hurricane resistance test standards including: ANSI A250.13, ASTM E330, ASTM E1886, ASTM E1996, TAS-201, TAS-202, TAS-203.

Blast products are designed to meet project specific requirements. Contact the factory for details.

For further information, contact your Ceco Door or Curries customer service professional.



05 BULLET RESISTANT

Bullet resistant door and frame assemblies, supplied with the appropriate listed hardware, will meet most job requirements for security and protection. The bullet resistant assemblies offer eight levels of bullet resistant protection.

This readily available solution protects against assault and vandalism at vulnerable door openings such as isolated utility buildings, cashier islands, currency exchanges, or box offices.



Advantages

- Hollow metal, or PLAM over hollow metal available to match any design requirement
- Bullet resistant glazing available
- Hardware recommendations available upon request
- Plastic laminate and applied moldings available for decorative applications

Applications

- Public utility field buildings
- Cashier stands
- Remote electrical panels
- Guard shacks
- Government facilities
- Police and fire stations

Technical Options

- Certified and third-party tested in accordance with UL752 and NIJ standards
- Bullet protection ratings for UL752 levels 1-8 (levels 1-3 handguns, levels 4-8 rifles)
- Available with welded seamless door edge or continuously welded seamless edge
- Level 1-8 bullet resistant glazing available in multiple sizes including full glass
- Fire rated assemblies tested to UL 10C are available
- Bullet resistant door louvers available

Testing

Bullet resistant doors and frames are fabricated with the finest UL listed armor panels that meet or exceed the UL 752 Standard for bullet resistant materials in addition to NIJ standards.

All doors and frames are designed to provide the best practical protection for threat levels 1 through 8.

UL 752 Bullet Protection Ratings

| | |
|---------|----------------------------|
| Level 1 | 9 mm (3 shots) |
| Level 2 | .357 Magnum (3 shots) |
| Level 3 | .44 Magnum (3 shots) |
| Level 4 | .30 Caliber Rifle (1 Shot) |
| Level 5 | 7.62 mm Rifle (1 shot) |
| Level 6 | 9 mm (5 shots) |
| Level 7 | 5.56 mm Rifle (5 shots) |
| Level 8 | 7.62 mm Rifle (5 shots) |

Bullet Resistant Speaker Port and Deal Tray



- Level 3 bullet resistant stainless steel speaker port
- Glass is factory prepped to receive the speaker port
- Speaker port is installed flush with the glass surface
- Stainless steel deal tray is bullet resistant up to level 8

For further information, lean on our industry and product experts at: specialtyproducts.techsupport@assaabloy.com

06 FLOOD RESISTANT

Studies have shown that flooding costs companies an average of \$2-\$3 billion in losses annually worldwide making it the most costly natural hazard globally.

This dry flood proofing system is intended to be used in environments where a facility is at risk for flooding. The opening is designed and tested to keep flood water depths up to 36" from entering critical buildings and limiting interior damage.





Testing

The flood resistant opening has been tested to the American National Standard for Flood Abatement Equipment ANSI/FM Approvals 2510-2014 section 4.3.3.

This is a passive system that can protect against flood waters at any time while closed. Flood openings should be installed in a seated position (water pressure against the pull side of the door).

Advantages

- Tested for water depths up to and including 36" to standards set forth by ANSI/FM Approvals 2510-2014 (section 4.3.3.) not exceeding maximum allowable water
- Up to and including 3'0"x7'0" size openings
- Passive flood assembly consists of flood resistant door, frame and perimeter seal system and 1 year warranty

Applications

- Pump rooms
- Mechanical and electrical rooms
- Flood prone areas
- Metro transit
- Marinas
- Aquariums
- Waste water treatment

Technical Options

Doors

- Single flush steel stiffened with continuously welded edge seams
- 16 - 12 gauge face sheets with A60 steel standard or G90 steel optional
- Optional stainless steel construction also available
- 10" x 10" vision light available

Frames

- 4 sided continuously welded
- 14 - 12 gauge frames with A60 steel standard or G90 steel optional
- Stainless steel also available
- Must be fully grouted and caulked by others

Hardware/Seal System Options

- Tested with cylindrical lock and three heavy weight hinges. Other hardware preps are available (hardware by others)
- EDPM adjustable rubber perimeter seal system with retainer clips included with the assembly

For further information, lean on our industry and product experts at: specialtyproducts.techsupport@assaabloy.com



07 FORCED ENTRY BULLET RESISTANT

The Forced Entry Bullet Resistant Assembly (FEBR) combines ballistic and forced-entry resistance with advanced materials to provide an elevated threat protection solution compliant and third party tested per stringent Department of State Standard SD-STD-01.01 Rev. G (Amended), ASTM F3038 and HMMA 862-13 standards. The ASSA ABLOY assembly is tested to withstand up to 60 minutes of simulated “mob” attack and resistant to 5.56 M193, 5.56 M855 and 7.62 M80 ballistic rounds.

The FEBR Assemblies safeguard mission critical buildings, executive offices, guard houses, control rooms, and anywhere the highest level of protection and durability are important considerations.



Advantages

- UL 752 Level 8 bullet resistant construction
- Factory installed hardware available
- Complies with Department of State SD STD-01.01 Rev G (amended), ASTM F3038 and HMMA 862-13 standards as tested by 3rd party independent laboratory

Applications

- Government facilities
- Guard houses
- Control rooms
- Executive offices

Technical Options

- Multiple sizes and configurations available including singles, pairs and glazed openings
- Forced entry up to 60 minutes of attack
- Forced entry bullet resistant up to 60 minutes of attack and level 8 bullet resistance
- Hardware
 - Concealed or surfact mounted multipoint lock
 - Functions include manual, electric latch retraction, delayed egress
 - Optional lever or panic bar available
- 90 minute fire rated construction label only; all components have been individually tested by UL

Contact the factory for additional configurations.

Test Methods and Standards


- Forced Entry and Ballistic Resistance of Structural Systems – Doors were tested per DoS SD-STD.01.01 Rev G (amended) shot with 5.56 and 7.62 rounds and then attacked by a six man Concentrated Assault Team up to 60 minutes on the lock edge, 60 minutes on hinge edge, 60 minutes on the center of the door

Certified:

- 5, 15, 60 minute singles and pairs,
- 5, 15 minute - glazing options, full, half, double
- 5, 15 minute - stainless steel
- 4'0" x 8'0"

Add ons:

- 5, 15 minute windows and borrowed lights
- 60 minute louvers
- 60 minute escape/roof hatch
- UL 752: Standard for Bullet-Resisting 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), ASTM F3038 as tested by certified 3rd party independent laboratory



08 LEAD-LINED

Achieve effective radiation protection with a full line of high-quality, lead-lined doors and frames. These openings accomplish the important task of reliably containing radiation in sensitive areas.

Advantages

- Sound ratings available
- RF Shielding options available
- Stainless steel options available
- Plastic laminate and applied moldings available for decorative applications

Applications

- Microwave transmission rooms
- Airports
- Defense, military, and security environments
- X-ray and imaging rooms
- Medical schools
- Nuclear power plants

Technical Options

- Lead sheets, available in 1/32" to 1/4" thickness, integrated into door and frame for strength and vandal resistance (lead thicknesses beyond 1/4" available upon request)
- Vertically steel stiffened doors for added strength and durability
- Standard 1-3/4" thick doors accommodate standard hardware
- Continuously welded, seamless door edge and lead lined frame
- Standard 16-gauge steel; 14-12 gauge available
- Fire rated assemblies tested to UL 10C available

For further information, lean on our industry and product experts at: specialtyproducts.techsupport@assaabloy.com





09 ADJUSTABLE EMI-RFI/STC SHIELDING

The EMI-RFI/STC Shielding Assembly with adjustable perimeter seals helps ensure sensitive and confidential information and communication is secure and contained.

Electromagnetic Interference (EMI) and Radio Frequency Interference (RFI) reduces electronic signal integrity and strength which can cause poor performance in sensitive communication systems and devices. The ASSA ABLOY EMI-RFI/STC Shielding Assembly with adjustable perimeter seals protects unwanted electromagnetic waves from interfering with other circuits or devices in data centers, healthcare, commercial, or government/military applications.

The Adjustable EMI-RFI/STC Shielding Assemblies are designed to provide sound abatement up to STC 50 and EMI-RFI shielding protection at 9 kHz-18 GHz and are third party tested per IEEE Std 299, ICD-705 (Group 3 and 4) and TEMPEST requirements. Adjustable conductive perimeter seals, conductive caulk and tape, Pemko threshold and McKinney cam-lift hinges are included with each assembly.

Advantages

- Sound ratings up to STC 50 available
- Bullet resistance available
- Blast openings available
- Lead-Lined openings available

Applications

- Data centers
- Test labs
- Emergency call centers
- Healthcare facilities
- Sensitive compartment information facilities (SCIFs)
- Special access program facilities (SAPFs)
- Financial centers
- RFID scanning areas



Technical Options

Assembly includes:

EMI-RFI/STC Door and frame, adjustable conductive perimeter seals, conductive caulk and tape, Pemko threshold, and McKinney cam-lift hinges.

- EMI-RFI/STC Shielding provides sound abatement up to STC 50
- EMI-RFI shielding protection at 9 kHz-18 GHz and are third part tested per IEEE Std 299, ICD-705 (group 3 and 4)
- May be used in specific TEMPEST applications dependent on customer requirements
- 304 or 316 stainless steel
 - Prime painted: #4 brushed satin finish only
 - Stainless steel: #2B mill, #4 brushed satin, #6 fine satin, XL blend finishes available
- 14, or 12 gauge
- Singles: 2'6" x 6'8" up to 4'0" x 10'0"
Pairs: 4'0" x 6'8" to 8'0" x 10'0" with fixed or removable mullion
- 1-3/4" thick door with flush faces
- Meets ADA requirements
- Standard frame anchors
- Fire rated up to 90 minutes



| OPENING | LOCK | STC CONSTRUCTION |
|---------|------------------------|-----------------------|
| Singles | Mortise or Cylindrical | Up to STC 50 operable |
| Singles | Lockmasters (SCIF) | |
| Pairs | Exit Device | |

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10 STAINLESS STEEL

Stainless steel doors give architects and designers a sleek aesthetic option to satisfy today's style preferences. Additionally, stainless steel is ideal for clean room environments and areas susceptible to moisture. Stainless steel doors and frames provide significant safety and security ideal for commercial, institutional and high design environments.

Advantages

- Provides easy maintenance and long-term strength and durability
- Water tight/sanitary design
- Continuously seamless welded door edge (key for corrosive environments) and seamless top and bottom option

Applications

- High style architectural environments
- Commercial or institutional projects
- Health care facilities
- Exterior in coastal areas
- Pharmaceutical plants
- Research laboratories
- Food processing
- Water treatment
- Chemical plants

Technical Options

Doors

- Available with 18-gauge through 12-gauge face skins
- Polyisocyanurate core standard with optional steel stiffened and honeycomb cores
- Seamless lock and hinge edge design
- Fire rated up to 3 hours

Frames

- Available in 16-gauge through 12-gauge
- Welded corner conditions
- Standard and custom frame profiles available
- Custom frame elevations (sidelights, borrowed lites, and transom units)

Alloy

- No. 304, the most commonly used stainless alloy
- No. 316, for installation in extremely corrosive environments

Finishes

- No. 4 (Brushed Satin)
- No. 6 (Fine Satin)
- No. 8 (Mirror)
- No. 2B (Mill)
- XLB (XL Blend)



11 WATER RESISTANT

For specialized applications, a custom sanitary and watertight or water-resistant solution can meet job-specific requirements. Doors are tested and designed so that either a heavy wash-down or pressure washing can be performed without compromising the interior construction of the door. Hardware reinforcements in doors and frames are provided in a sealed condition, allowing for cleaning fluids to drain.



Advantages

- Pest resistant
- Easy wipe-down and cleaning
- Maximum corrosion resistance
- Long-term strength and durability
- Penetration resistant
- Superior adhesion of finish coat

Applications

- Chemical storage areas
- Clean room environments
- Food processing plants
- Hospitals
- Laboratories
- Marine areas, piers, berths
- Swimming pool areas
- Wastewater treatment plants

Technical Options

- Sealed door core
- Welded seamless door edge
- Custom sanitary door vision lights available
- 14-gauge or 16-gauge door face sheets and frames
- Continuously welded frames
- Factory prime paint
- Stainless steel available
- Glazed openings available
- Consult factory for available fire ratings



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12 AESTHETICALLY APPEALING

Safe, secure, acoustic, resilient, sustainable, energy efficient; Door Openings should be all these things. But they should also be aesthetically appealing and consistent with the dominant character of a space. No compromises.



Advantages

- Aesthetic appeal, without functional compromise
- Durable, code-compliant and beautiful
- Interior and exterior applications

Applications

- Commercial and mixed-use facilities
- Government/military facilities
- Hotels, resorts, hospitality facilities
- Healthcare facilities
- Assisted living facilities
- Multi-family housing
- Academic facilities
- Student housing

Technical Options

Doors

- Available with fire rated, acoustic, bullet and blast resistant cores
- Beautiful wood STC doors available in various species, stains and finishes
- Elegant stainless steel doors with several finishes to choose from
- Elegant steel faces with applied moldings in 1, 2, 4, 6, and 8 panel designs
- Can be factory glazed
- Durable, sleek Flush steel faces
- Plastic laminate options deliver the look and feel of a decorative wood with specialty product performance

Frames

- Available 18, 16, 14 and 12 gauge
- Fire rated up to 3 hours
- Welded and knocked down
- 304 or 316 stainless steel options
- Sleek 1" face profiles

the good design studio

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The ASSA ABLOY Group is the global leader in access solutions. Every day, we help billions of people experience a more open world.

ASSA ABLOY
Opening Solutions

ASSA ABLOY Opening Solutions leads the development within door openings and products for access solutions in homes, businesses and institutions. Our offering includes doors, frames, door and window hardware, mechanical and smart locks, access control and service.

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