



Specialty Doors

ASSA ABLOY



Acoustical



Blast and Pressure Resistant



Bullet Resistant



Lead Lined



RF Shielding



Stainless Steel



Sanitary and Watertight



Environmentally Healthy



LEED® Certification

Hollow Metal Doors, Frames, and Specialty Building Products

ASSA ABLOY, the global leader
in door opening solutions

Specialty Doors and Frames for Maximum Security, Safety, and Convenience



Many years of design, engineering, and manufacturing specialization make Security Metal Products today's premier provider of quality doors and frames for custom applications.

We offer many options for important end-user needs:

- Acoustical
- Blast and pressure resistance
- Bullet resistance
- Lead lined
- RF shielding
- Stainless steel
- Sanitary and Watertight
- Environmentally healthy
- LEED certification
- Hybrid combinations of the recommended requirements

As a pioneer in many technological advances and services that result in successful, long-lasting openings, we pride ourselves on the following:

- Breadth of product offering and variety of options
- Custom configurations - "If you can conceive it, we can build it"
- Thorough and complete project management services from an experienced team
- Products manufactured for strength and durability
- 1 Year standard warranty
5 Year warranty for all Acoustical products
- Competitive pricing

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We're serious about the important role doors and frames have in protecting a building's occupants.

Ask how our products meet the important requirements of these groups:

ATFP	Anti-Terrorism Force Protection
DHS	Department of Homeland Security
DOD	Department of Defense
DOE	Department of Energy
GSA	General Services Administration
PIPITC	Petrochemical Industry Standard
UL	Underwriters Laboratories





Acoustical Doors and Frames

Key Features and Benefits

Offering the utmost in sound reduction, our acoustical doors and frames come in a variety of hollow metal and wood styles to fit any commercial setting. Our broad offering includes steel, stainless steel, and wood door assemblies, plus steel and stainless steel window frames.

Custom engineering allows aesthetic choices to be combined with technical requirements:

- Certified and third-party tested in accordance with ASTM E90 and E413 standards
- Welded seamless door edge; continuously welded frames
- Doors are 1-3/4" thick and are available in flush, narrow or small vision, half-glass designs
- Wood veneer doors available in several attractive finishes
- Quiet Vision™ window frames available
- STC 47-54 assemblies include Gravity Glide™ cam-lift hinges, compression seals, door bottoms, and thresholds as a complete package
- STC 46 and below include seals, door bottoms, and thresholds as a complete package
- Split STC frames are available for easy and effective retrofit applications

Acoustical Charts

Where to Use

- Government facilities including courthouses and interrogation rooms
- Military facilities including BEQ and SCIF rooms
- Healthcare facilities including patient rooms
- Hospitality including guest and meeting rooms
- K-12 and colleges - band rooms, residential life buildings
- Offices and conference rooms
- Performing arts centers/theatres
- Recording studios
- Stadiums and arenas

Doors								
Model No.	STC Rating	Lbs/Sq.Ft.	Perimeter Seal	Hinge Type	Threshold	Glass Area	Test Report	Notes
F55P	55	10.5	Adhesive	Continuous	Alum.	None	A5312.01A3	2-1/2" HM
F54CF	54	15.8	Compression	Gravity Glide	Alum./S.S.	None	C0906.02	1-3/4" HM
W53CF	53	13.5	Compression	Gravity Glide	Alum./S.S.	None	C3849.01E1	1-3/4" WD
F53C	53	15.8	Compression	Gravity Glide	Alum./S.S.	None	RAL-TL97-202	1-3/4" HM
F51CF	51	15.8	Compression	Gravity Glide	Alum./S.S.	None	C0906.01	1-3/4" HM
WV51CF	51	13.5	Compression	Gravity Glide	Alum./S.S.	150 sq. in.	C3849.01E2	1-3/4" WD
W50C	50	13.6	Compression	Gravity Glide	Alum./S.S.	None	RAL-TL97-204	1-3/4" WD
F50P	50	16	Adhesive	Continuous	Alum.	None	A5310.01B	1-3/4" HM
F49C	49	15.8	Compression	Gravity Glide	Alum./S.S.	None	RAL-TL97-147	1-3/4" HM
F49M	49	13.4	Magnetic	Gravity Glide	Alum./S.S.	None	TL91-166	1-3/4" HM
F48C	48	12.7	Compression	Gravity Glide	Alum./S.S.	None	RAL-TL00-195	1-3/4" HM
F48M	48	15.8	Magnetic	Gravity Glide	Alum./S.S.	None	RAL-TL97-148	1-3/4" HM
V48C	48	14.4	Compression	Gravity Glide	Alum./S.S.	100 sq. in.	RAL-TL97-149	1-3/4" HM
F47C	47	15.8	Compression	Gravity Glide	Alum./S.S.	None	TL92-192	1-3/4" HM
F46CZ	46	10.6	Compression	Butts	Alum.	None	TL10-132	1-3/4" HM
V46C	46	14.6	Compression	Gravity Glide	Alum./S.S.	864 sq. in.	TL91-91	1-3/4" HM
F45CZ	45	8.7	Compression	Butts	Alum.	None	TL10-133	1-3/4" HM

Windows						
Model No.	STC Rating	Lbs/Sq.Ft.	Total Glass Area	Gasket Type	Glass Type	Test Report
DG57	57	28.3	21 sq. ft.	Silicon	3/8" Lam 1/2" Lam	RAL-TL97-150
DG50	50	16.2	16.5 sq. ft.	Silicon	1/4" Lam 1/2" Lam	TL92-104
SG40	40	16.2	16.5 sq. ft.	Silicon	1/2" Lam	TL92-105
SG36	36	16.2	16.5 sq. ft.	Silicon	1/4" Lam	TL92-103



Blast and Pressure Resistant Doors and Frames

Key Features and Benefits

Providing extra protection against explosions and excessive force, our blast and pressure resistant doors and frames meet or exceed the stringent manufacturing requirements of the Department of Homeland Security and other regulatory groups. The advanced strength and integrity of these openings bring other important benefits: long life, high durability, and maximum corrosion resistance.

Custom engineering allows aesthetic choices to be combined with technical requirements:

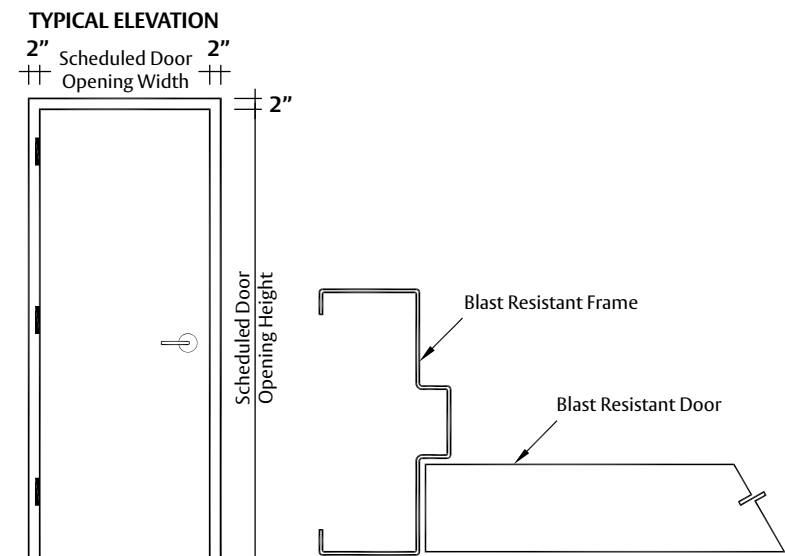
- Made for exterior openings and high risk interior areas to resist pressure against a door
- Certified and third-party tested to meet all nationally required guidelines and legal requirements
- Pre-engineered products can resist +/-12 PSI force (per square inch)
- Custom products can resist in upwards of 30 PSI (per square inch) and 89 impulse load, depending on requirements
- Welded seamless door edge; continuously welded
- Standard 14 gauge, A60 galvanized steel (stainless available) frames

Blast Test Standards, Criteria

- ASTM F1642 & ASTM F2927
- UFC 4-010-01 9 Feb 2012
- GSA TS-01 Level C&D

Where to Use

- Airports
- Chemical storage areas
- Courthouses
- Embassies
- Government facilities
- Hospitals, e.g., oxygen storage areas
- Laboratories, research areas
- Military facilities
- Petrochemical facilities, refineries, oil rigs
- Pharmaceutical companies
- Police and fire stations





Bullet Resistant Doors and Frames

Key Features and Benefits

When security and safety are of utmost importance Security Metal Products offers a full line of bullet resistant metal doors and frames.

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

This cost-efficient readily available solution protects against assault and vandalism at vulnerable door openings such as isolated utility buildings, cashier islands, currency exchanges, or box offices. The SMP door is also available with bullet resistant glass. Hollow metal, wood veneered hollow metal, and solid wood doors available to match any design requirement.

Custom engineering allows aesthetic choices to be combined with technical requirements:

- Made with a proprietary ballistic armor shield core
- Non-ricocheting armor UL levels 1-8 (levels 1-3 handguns, levels 4-8 rifles)
- Certified and third-party tested in accordance with UL752 standards
- Welded seamless door edge; continuously welded frames
- Standard gauge; A60 galvanized steel (stainless available) frames
- Hollow metal, PLAM veneered hollow metal, and solid wood doors available to match any design requirement
- Bullet resistant glazing available

Where to Use

- *Schools*
- *Airports*
- *Banks, check-cashing facilities*
- *Border patrol facilities*
- *Courthouses*
- *Police and fire stations*
- *Post offices*
- *Tollbooths*
- *Telecommunications facilities*

UL Ratings of Bullet Resistant Materials

Note: Maximum velocity is 110% of minimum velocity

Rating	Ammunition	Grain	(g)	Velocity Min. (fps)	Velocity Min. (mps)	No. of Shots
Level 1	9 mm Full Metal Copper Jacket with Lead Core	124	8	1175	358	3
Level 2	.357 Magnum Jacketed Lead Soft Point	158	10.20	1250	381	3
Level 3	.44 Magnum Lead Semi-Wadcutter Gas Checked	240	15.60	1350	411	3
Level 4	.30 Caliber Rifle Lead Core Soft Point	180	11.70	2540	774	1
Level 5	7.62 mm Rifle Lead Core Full Metal Copper Jacket, Military Ball	150	9.70	2750	838	1
Level 6	9 mm Full Metal Copper Jacket with Lead Core	124	8	1400	427	5
Level 7	5.56 Rifle Full Metal Copper Jacket with Lead Core	55	3.56	3080	939	5
Level 8	7.62 mm Rifle Lead Core Full Metal Copper Jacket, Military Ball	150	9.70	2750	838	5
Supplementary Shotgun	12 gauge Rifled Lead Slug	437	28.3	1585	483	3
12 Gauge	00 Lead Buckshot	650	42	1200	366	3

Lead Lined Doors and Frames

Key Features and Benefits

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

Custom engineering allows aesthetic choices to be combined with technical requirements:

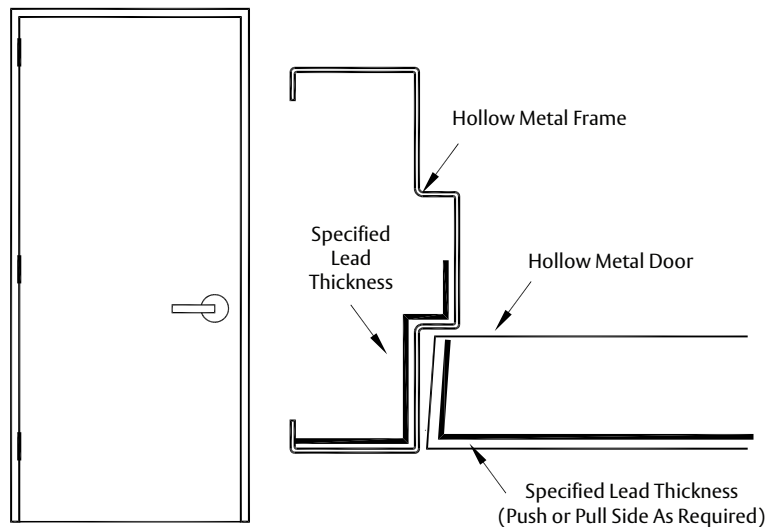
- Lead sheets, available in 1/32" to 1/2" thickness, integrated into door and frame for strength and vandal resistance
- Vertically steel stiffened doors for added strength and durability
- Standard 1-3/4" thick doors accommodate standard hardware
- Continuously welded, seamless door edge; continuously welded and lead lined frame
- Standard 16 gauge steel; 12-18 gauge available
- Standard A60 galvanized steel (stainless available)
- Wood veneered doors available to match most design requirements



Where to Use

- *Aerospace facilities - microwave transmission rooms*
- *Airports*
- *Defense, military, and security environments*
- *Healthcare - X-ray and imaging rooms*
- *Medical schools*
- *Nuclear power plants*

TYPICAL ELEVATION





RF Shielding

Key Features and Benefits

Radio frequency shielding is necessary for preventing unwanted interference from anything emitting radio frequencies such as cell towers, radio stations and computers. These signals and frequencies interfere with the magnetic field used in magnetic resonance imaging by distorting the quality of the image. This results in a picture that is not as clear as it should be to accurately see and diagnose potential health issues. A critical part of the RF shielding of an MRI room is the door. SMP RF Shielding Opening is the safe and easy RF door solution.

RF openings are designed to provide RFI/EMI shielding of 40db at 10khz-10ghz per ASTM E 1851-04 and IEEE Std 299-2006. All RF openings are third party certified. Conductive perimeter seals, Pemko threshold and caulk are included with each assembly.

- 2'6"x 6'8" up to 4'0"x 8'0"
- Flush only
- Single swing
- Standard frame anchors
- Sound rating up to STC 50
- Bullet rating to level 8
- Blast openings
- Lead Lined

Where to Use

- *Aerospace facilities - microwave transmission rooms*
- *Defense, military, and security environments*
- *Healthcare - X-ray and imaging rooms*
- *Medical schools*
- *Nuclear power plants*
- *Sensitive Electronic Installations*
- *Computer Data Processing Security Centers*

Stainless Steel Doors and Frames

Key Features and Benefits

Sleek and beautiful stainless steel doors and frames offer an important practical feature for many building owners: corrosion resistance. Our stainless steel product line is the ideal solution for clean room environments and areas susceptible to moisture, while also providing significant safety and security.

Custom engineering allows aesthetic choices to be combined with technical requirements:

- Type 304 and 316 available
- Easy to maintain; long-term strength and durability
- Water tight/sanitary design available
- Continuously seamless welded door edge (key for corrosive environments); seamless top and bottom option
- Standard 16 gauge steel; 12 and 14 gauge available
- Lites and louvers optional
- Any commercial finish (#2B matte, #4 brushed, and #8 mirrored)



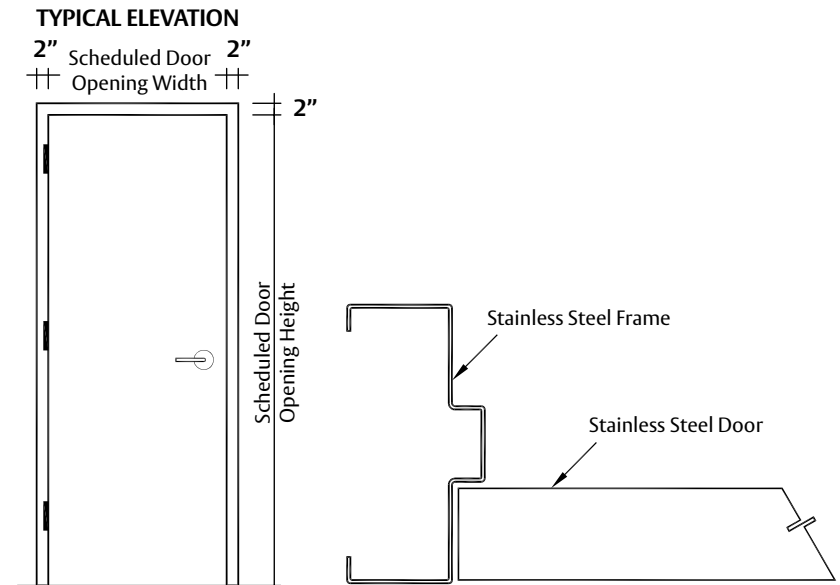
Where to Use

Corrosive environments

- *Clean room environments*
- *Food processing plants*
- *Hospitals*
- *Laboratories*
- *Marine areas, piers, berths*
- *Swimming pool areas*
- *Waste water treatment plants*

Highly-stylized environments

- *Casinos*
- *Hotel lobbies*
- *Museums*
- *Office buildings*





Sanitary and Watertight Door Systems

Key Features and Benefits

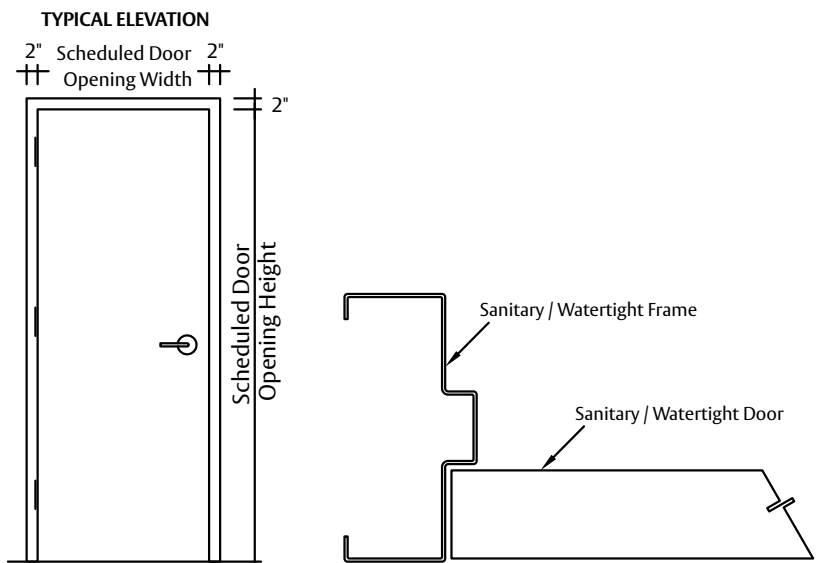
For specialized medical, laboratory, food processing and sanitary applications, Security Metal Products offers a custom sanitary and watertight solution to meet your job-specific requirements. Doors are specifically designed so that either a heavy wash-down or pressure washing can be done without compromising the interior construction of the door. Hardware reinforcements in doors and frames are provided in a sealed condition, allowing for cleaning fluids to drain.

Custom engineering allows aesthetic choices to be combined with technical requirements:

- Sealed door core
- Welded Seamless door edge
- G90 galvanized or stainless steel as required
- Custom sanitary door vision lights available
- 12 gauge through 16 gauge door face sheets
- Frames continuously welded
- 12 gauge through 16 gauge frames available
- Factory prime paint
- Pest resistant
- Easy wipe-down and cleaning
- Maximum corrosion resistance
- Observation and safety
- Long term strength and durability
- Penetration resistance and strength
- Superior adhesion of finish coat

Where to Use

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





Environmentally Healthy Products

Key Features and Benefits

Parents take great care to make sure the home is clean and safe from unhealthy toxins. As manufacturers, we have a responsibility to make sure schools are also considered a safe haven from contagions. Volatile Organic Compounds (VOCs) from paints and coatings, formaldehyde from wood products, and phthalates from adhesives are some of the types of air pollution that can be found in building materials.

Security Metal Products has taken the steps to insure the doors and frames we manufacture help keep the atmosphere for buildings free from chemicals that can harm developing young bodies. Security Metal Products doors have been tested and certified by the GREENGUARD Environmental Institute to meet the criteria of their Children and Schools Certification Program. GREENGUARD is nationally recognized for helping improve indoor air quality in buildings.

The GREENGUARD Children & Schools Certification Program's requirements also comply with:

- State of California's Department of Public Health Services Standard Practice for Specification Section 01350 (California Section 01350) for testing chemical emissions from building products used in schools and other environments.
- CHPS Best Practices Manual for K-12 schools
- US Green Building Council's LEED® Green Building Rating Systems
- Green Guide for Healthcare
- NAHB Green Building Guidelines
- Green Globes
- And many other building codes, standards and specifications



Where to Use

- *K-12 and colleges - band rooms, residential life buildings*
- *Child and adult care facilities*
- *Healthcare facilities including patient rooms*
- *Hospitality including guest and meeting rooms*
- *Offices and conference rooms*
- *Performing arts centers/theatres*



To continue leading in the implementation of environmental best practices STAPLES Center has developed an Environmental Management System (EMS) to guide employees in reducing the environmental impact of day to day operations. STAPLES Center currently has 1,727 solar panels installed on its rooftop.

Where to Use

- K-12 and colleges - band rooms, residential life buildings
- Child and adult care facilities
- Healthcare facilities including patient rooms
- Hospitality including guest and meeting rooms
- Offices and conference rooms
- Performing arts centers/theatres

LEED® Certification Contribution

Key Features and Benefits

When it comes to being environmentally friendly, building owners, architects, and designers measure themselves by using the LEED Certification System. When the USGBC (United States Green Building Council) introduced LEED in 1998, it gave the building industry a way to truly measure their efforts with the design and construction of green buildings.

SECURITY METAL PRODUCTS can help to achieve prerequisites and accumulate points in the following categories and credit areas of LEED.

- **Materials and Resources (MR)**
 - MR Credit 1.2 – Building Reuse
 - MR Credit 4 – Recycled Content
 - MR Credit 5 – Regional Material
- **Indoor Environmental Quality (IEQ)**
 - IEQ Credit 4.1 and 4.2 – Low Emitting Materials – Adhesives & Sealants, Paints & Coatings
 - IEQ Credit 8.1 and 8.2 – Daylight and Views
- **LEED for Schools Specific Credits**
 - IEQ Credit 9 – Enhanced Acoustical Performance
- **LEED EBOM Specific Credits**
 - MR Credit 3 – Sustainable Purchasing – Facility Alterations & Additions
 - MR Credit 9 – Solid Waste Management – Facility Alterations & Additions



ASSA ABLOY is a member of the USGBC and CaGBC

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ASSA ABLOY Door Security Solutions

ASSA ABLOY Door Security Solutions provides end-users with unsurpassed security and life-safety solutions, and the essential support services to ensure well-functioning doorway systems. This is all accomplished by combining the strengths of industry-leading door and hardware brands. Contact your local Door Security Solutions team for assistance.

Door Security Solutions - New England

1317 Corbin Avenue
New Britain, CT 06053
Main: (860) 224-9234
Fax: (860) 826-1103

Door Security Solutions - Upstate New York

1151 Pittsford-Victor Road, Suite 220
Pittsford, NY 14534
Main: (585) 899-5280
Fax: (585) 899-5287

Door Security Solutions - Metro New York

290 Vincent Avenue
Hackensack, NJ 07601
Main: (201) 489-3709
Fax: (201) 489-4504

Door Security Solutions - Tri-State

274 Susquehanna Avenue
Wyoming, PA 18644
Main: (570) 693-3323
Toll Free: (877) 825-3667
Fax: (570) 693-5595

Door Security Solutions - Chesapeake

9097 Atlee Station Drive, Suite 204
Mechanicsville, VA 23116
Main: (804) 730-9404
Fax: (804) 730-9552

Door Security Solutions of the Carolinas

1902 Airport Road
Monroe, NC 28110
Main: (704) 226-6184
Fax: (704) 226-6365

Door Security Solutions of Florida

3361 Rouse Road, Suite 110
Orlando, FL 32817
Main: (407) 788-0198
Fax: (407) 788-0285

Door Security Solutions of the South

4501 Circle 75 Parkway SE, Suite F-6140
Atlanta, GA 30339
Main: (678) 324-3551
Fax: (678) 324-3556

Door Security Solutions - Mid America

50 Crestwood Executive Center, Suite 308
Crestwood, MO 63125
Main: (314) 222-5566
Fax: (314) 222-5544

Door Security Solutions - Mid Continent

8001 Conser, Suite 100
Overland Park, KS 66204
Main: (913) 378-0109
Fax: (913) 378-0107

Door Security Solutions of the Southwest

2855 Marquis Drive, Suite 190
Garland, TX 75042
Main: (972) 665-0140 or (877) 900-8844
Fax: (972) 665-0136 or (972) 665-0156

Door Security Solutions - Gulf Central

11050 W. Little York, Suite B6
Houston, TX 77041
Main: (713) 460-5216
Fax: (713) 460-5217

Door Security Solutions - North Shores

28221 Beck Road, Unit A-3
Wixom, MI 48393
Main: (248) 347-9925
Fax: (248) 347-9926

Door Security Solutions - North Central

718 Foster Avenue
Bensenville, IL 60106
Main: (630) 594-1500
Fax: (630) 594-1501

Door Security Solutions of Arizona

2600 North 44th Street, Suite A100
Phoenix, AZ 85008
Main: (602) 494-3235 or (866) 494-3235
Fax: (602) 494-3236

Door Security Solutions of Northern California

161 Mitchell Blvd, Suite 200
San Rafael, CA 94903
Main: (415) 306-9000
Fax: (415) 460-5424

Door Security Solutions of Southern California

3305 E. Miraloma Avenue, Suite 170
Anaheim, CA 92806
Main: (714) 854-7300
Fax: (714) 854-7325

Door Security Solutions of the Rockies

2093 East 11th Street, Suite #150
Loveland, CO 80537
Main: (970) 635-9595
Fax: (970) 669-0595

Door Security Solutions of the Pacific Northwest

12825 Northeast 126th Place
Kirkland, WA 98034
Main: (425) 821-8863
Fax: (425) 821-8385

Door Security Solutions of Hawaii

909 Kaipii Street
Kailua, HI 96734
Main: (808) 263-3855
Fax: (808) 263-2225

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ASSA ABLOY Door Group Service Centers

Northeast

1000 Conroy Place
Easton, PA 18040
Phone: 610-559-2180
Fax: 610-559-2190

Southeast

825 Riverside Parkway
Suite 100
Austell, GA 30168
Phone: 770-941-9012
Fax: 770-941-9123

South Central

2855 Marquis Dr.
Suite 190
Garland, TX 75042
Phone: 972-272-0271
Fax: 972-272-7829

Midwest

235 East Lies Road
Carol Stream, IL 60188
Phone: 630-682-8800
Fax: 630-682-8803

Southwest

260 Santa Fe Street
Pomona, CA 91767
Phone: 909-593-2100
Fax: 909-593-2500

Northwest

7230 South 227 Place
Kent, WA 98032
Phone: 253-872-8174
Fax: 253-872-0121



Specialty Doors

ASSA ABLOY

ASSA ABLOY is the global leader in door opening solutions, dedicated to satisfying end-user needs for security, safety and convenience.

ASSA ABLOY, the global leader in door opening solutions

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Email: hschrier@secmet.com

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