

Complete Doorway Solutions

ASSA ABLOY

Security, Life-Safety & Design

Products and services of ASSA ABLOY Group door and hardware brands:

ADAMS RITE | BARON | CECO DOOR | CORBIN RUSSWIN | CURRIES | GRAHAM
HES | MAIMAN | MARKAR | McKINNEY | MEDECO eCYLINDERS | NORTON
RIXSON | SARGENT | SECURITRON | YALE

The global leader in
door opening solutions





CORBIN RUSSWIN Access 600™
on a GRAHAM wood door offers
advanced access control
combined with sleek design

ASSA ABLOY Door Security Solutions - Products & Services

- Complete line of doorway security and life-safety solutions
- Nationwide network of local product teams and distributors
- Specification consulting and support
- Factory-trained technical support
- Education and training
- End-user support before, during and after a project

Complete Doorway Solutions

Securing buildings and keeping people safe is highly dependent upon having reliable openings suited to each application. From doors to hardware to electronic access control systems, ASSA ABLOY Door Security Solutions provides you with complete, well-integrated openings.

Industry-Leading Brands

All doorway components come from brands known for quality, service, and experience. Together, these brands provide solutions to today's challenging security needs.

Architectural & Electromechanical Hardware

ADAMS RITE
CORBIN RUSSWIN
HES
MARKAR
McKINNEY
MEDECO eCYLINDERS

NORTON
RIXSON
SARGENT
SECURITRON
YALE

Doors & Frames

BARON
CECO DOOR
CURRIES
GRAHAM
MAIMAN



All electrified openings are available with ElectroLynx® standardized plug-in connectors. See page 21.



High touch door hardware is available with MicroShield® antimicrobial hardware finish. See page 15.



With ReadySet®, virtually all openings can come preassembled for quick installation and immediate use. See page 20.

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Hi-O components bring online access capabilities to the opening and offer advanced self-configuration and self-diagnostic features. Incorporating a local door network between intelligent devices allows openings to be more secure, to be installed and debugged much faster, and to warn end-users in advance about maintenance needs.

Bringing Network Intelligence to the Door.

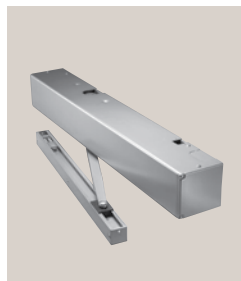
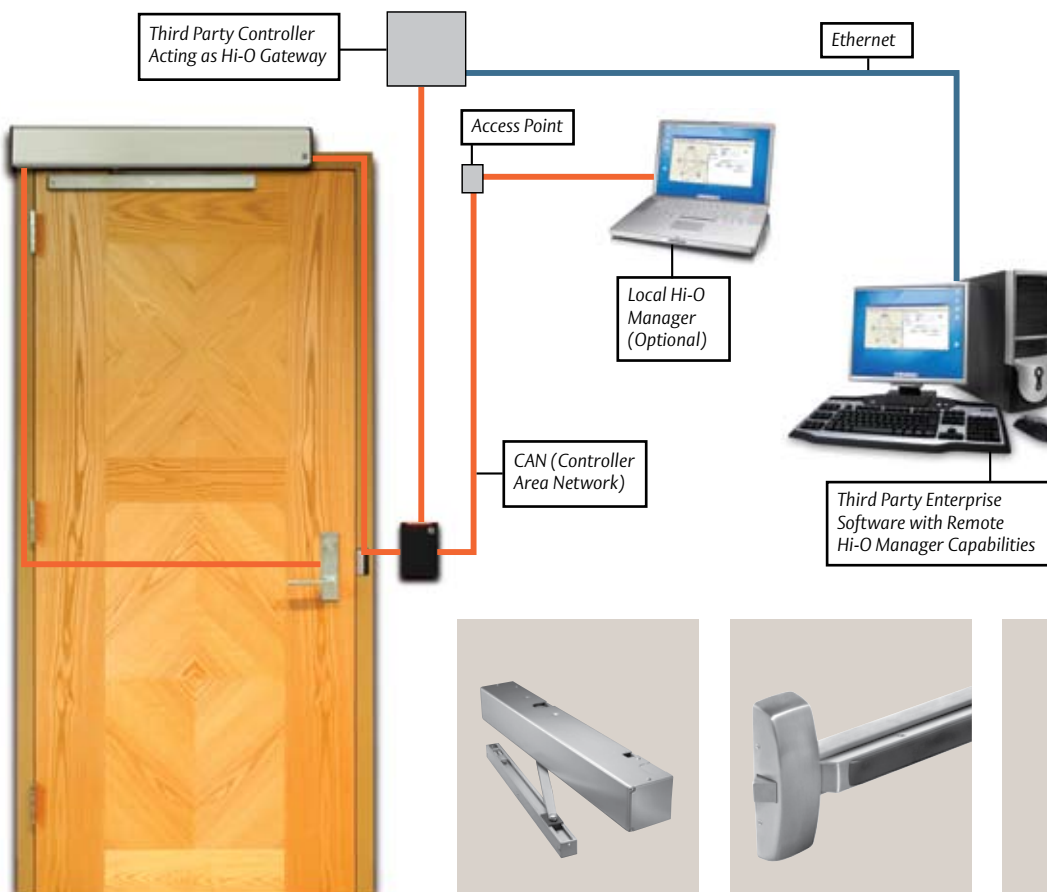
Hi-O (Highly Intelligent Opening)

- Industry-changing technology that upgrades the intelligence of every door component:
 - Exit device
 - Electric strike
 - Door operator
 - Push button
 - Proximity reader
- Door components communicate with each other over a local door network
- Easy installation and upgrades - ElectroLynx® plug-and-play setup, automatic configuration, simplified troubleshooting
- Predictive maintenance data from each component and the opening leads to less costly maintenance, higher uptime
- Lower cost of ownership for the life of the opening
- Open architecture design for any access control system



HI-O TECHNOLOGY™

Built-in intelligence enables communication between Hi-O components and yields precise opening information.



Our advanced range of industry-changing access control components includes solutions that offer simpler installation, improved aesthetics, and maximum re-use of the existing building IT infrastructure. This makes it more affordable than ever before to enjoy the security and convenience of access control throughout a facility.

Intelligent IP-Enabled

WiFi Communications

- Wireless for reduced costs, 80% faster installation, no wire runs
- Non-proprietary - uses 802.11 b/g open standard, secure wireless protocol
- Better security - real-time alarms indicate forced door, unknown card and door held open
- No additional panels or wireless interface devices required, locks communicate directly to host system
- Full, local database at door for faster, more reliable access
- 2,000 Users and 10,000 event audit trail

PoE (Power Over Ethernet)*

- Locks and exit devices tie directly into existing Ethernet infrastructure for cost-effective installation; non-proprietary
- Power and data in one CAT-5e cable; no power supply needed
- No additional panels required, locks communicate directly to host system
- Full, local database at door for faster, more reliable access
- 2,000 Users and 10,000 event audit trail

Integrated Wiegand

- RFID reader embedded in lock, electric strike, or touch sense bar* streamlines components and installation
- Centralized control - Wiegand-compatible hardwired products connect to access control system
- Improved aesthetics due to no separate reader needed, better security
- Capabilities include latchbolt and deadbolt monitoring, request-to-exit, door position status



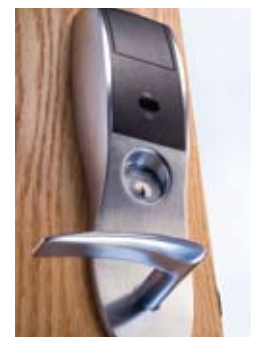
Integrated Wiegand, from left YALE Symphony™, HES RF5010, CORBIN RUSSWIN Access 800® NE1 shown.*

Applications: corporate, healthcare, educational, and government campuses.



IP-Enabled WiFi, SARGENT v.S2 shown.

Applications: computer rooms, file rooms, secure storage, areas not conducive to hardwiring.



With the ability to tie into existing campus one-card systems, we offer access control solutions that integrate with housing, transaction, and enterprise level software. All offline, WiFi, PoE, and online locking systems can be controlled with one easy-to-manage software package, PERSONA Campus, for complete monitoring of user activity.

Campus Threat Solution

- PERSONA Campus software enables use of existing campus database to send emergency notification to cell phones of students and staff
- Operates from PERSONA Campus online software

Intelligent IP-Enabled

WiFi Communications

- Utilizes the existing WiFi network for locks to communicate
- Wireless, battery operated
- Intelligent lock, stores events

PoE (Power over Ethernet)*

- Uses existing campus Ethernet infrastructure to operate locks
- Power and data in one cable
- Panic lockdown capability

Online (Hardwired)

- Includes reader and panel
- Has panic lockdown capability to quickly secure exterior and interior openings
- Operates off the powerful PERSONA Campus software

Offline (Stand-Alone)

- No reprogramming of doors
- Auto updater allows remote re-encoding of cards
- Door position switch monitors when door is left open



IP-Enabled locks, SARGENT Passport 1000 P2* shown.

Offline locks, CORBIN RUSSWIN Access 700™* shown.

Applications: resident living, libraries, recreation centers, classrooms, laboratories.



Several stand-alone options are available for applications requiring a simple access control solution without connecting to a network. Keypad and PDA-programmable locks each provide access control using intelligence built into the device, to accommodate the constraints of the opening and the needs of the end-user.

Keypad Locks

- All programming easily performed at the keypad, no computer or PDA
- Controls access for up to 2,000 users, with many options and audit trail
- Battery-operated, more economical than hardwiring
- Easy to install, retrofits most cylindrical and electromechanical lock door preps
- Modular design enables easy maintenance

Touchpad Access Locks*

- Capacitive keypad with sleek, contemporary design
- Access locking device allows up to 1,000 users, with many features including remote access capability
- Voice-assisted menu makes programming easy
- Easy installation and maintenance

PDA Programmable Locks

- All programming via handheld device, wireless communication, battery-powered with memory
- Controls access for up to 2,000 users, with many options and audit trail
- Available with mortise and cylindrical locks, and exit devices
- Options include keypad, proximity and RF technology
- Various locking modes allow customization; typical modes include panic, adjustable momentary unlock, and passage

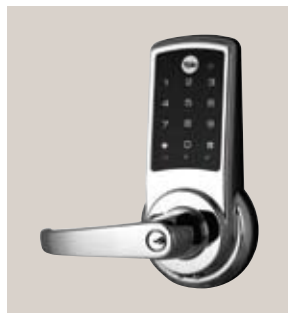
eCylinders

- Cost-effective and unobtrusive option for adding access control to existing hardware
- Install and program access control features in two minutes with no door or frame modifications, wiring, or additional hardware
- Flexible digital key control for more dynamic system management
- Options include:
 - Logic™ digital keys and cylinders for audit trail, scheduling, instant rekeying and other access control features; audit trail obtainable from key or cylinder; available in nearly any cylinder format including mortise and cylindrical locks, deadbolts, padlocks, cabinet and cam locks
 - Hybrid™ electromechanical key and cylinder with built-in RFID reader and controller for audit and access control functionality in a rim or mortise cylinder

Stand-alone PDA programmable locks, SARGENT v.G1.5 mortise lock shown.
Applications: office buildings, schools, healthcare facilities.



Stand-alone touchpad access locking device, YALE inTouch™* shown.
Applications: hospitality, healthcare, retail, multi-family, government.



eCylinders, MEDECO Hybrid shown. (See page 21 for Logic).
Applications: retail, commercial, data processing centers.



Mechanical and Electromechanical Locking



Solid and reliable mechanical hardware is the foundation of effective locking; many of our products have been proven to far exceed industry standards. Various models are designed for quick and easy installation. Electrification enables additional functionality. Assorted types of auxiliary locks complete the product offering.

Mortise Locks

- Extremely strong, durable ANSI/BHMA Grade 1 locks ideal for high-traffic, high-abuse openings
- Many functions and options for a broad range of applications
- Large trim selection available, including decorative, vandal-resistant
- Innovative solutions include easy re-handing without disassembling lock case

Cylindrical Locks

- Wide selection available, all easily installed in standard cylindrical door prep
- Options range from basic locking functions for light- or medium-duty applications to special construction for demanding applications
- Innovative options include patented, vandal-resistant T-Zone lock construction
- ANSI/BHMA Grade 1 and Grade 2, many trim options including decorative, vandal-resistant

Auxiliary Locks

- Full assortment of deadbolts, deadlocks, and latchbolts
- Hospital latches for push-pull doors
- Padlocks and cabinet locks built for exceptional strength and longevity
- Multiple key control options available

Electric Strikes

- Ideal for retrofit applications
- Versatility and faceplate options to accommodate virtually all locksets (with and without deadbolts)
- Products to satisfy a variety of life-safety, fire, and windstorm requirements
- Easy to install, surface-mounted and concealed electric strikes require no cutting on the frame

Electromagnetic Locks

- Secure doors or gates that close against a fixed stop
- Extreme holding force up to 1,800 lbs.
- Electromagnet on frame aligns with strike plate on door, strike plate automatically self-aligns when door closes
- Ideal for outdoor use, operating range of -40° to 140°F
- Delayed egress functions optional
- Concealed version for aluminum, wood and steel doors

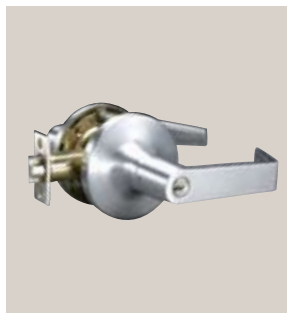
Mortise locks, SARGENT 8200 Series (electrified) shown.

Applications: heavy-duty, high traffic areas, schools, hospitals, public facilities.



Cylindrical locks, YALE 5400LN shown.

Applications: schools, commercial, industrial, and healthcare facilities.



Electric strikes, HES 5900 shown.

Applications: reception areas, offices, computer rooms, commercial facilities.



Magnetic locks, SECURITRON Maglocks shown.

Glass entrances, double egress corridor, gates, sliders.



Exit devices - or panic hardware - facilitate safe and easy egress, while maintaining security by restricting access from the outside. Strength that far surpasses ANSI/BHMA Grade 1 standards provides reliability even in high traffic areas. Optional features such as delayed egress, electric latch retraction, alarms, and more give building owners added flexibility for securing openings.

Exit Devices

- Many heavy-duty, flexible solutions for the most demanding access and egress control applications
- Easy to install and retrofit
- Designed for ease of replacing vandalized parts
- Electrified options include electric latch retraction, delayed egress, request to exit (REX), electric dogging, alarmed exit
- Many trim options, including decorative, vandal-resistant

Exit devices, CORBIN RUSSWIN ED5200S SecureBolt® shown.

Applications: high security, schools, assembly occupancy classifications.



Exit devices (alarmed), SARGENT 80 Series shown.

Applications: retail, schools, libraries, healthcare, daycare.



Exit Delay Systems

- Standard 15 or 30 second delay provides time to alert personnel
- Modular systems enable custom configurations
- Switches for different modes, i.e. when delayed exit is not wanted
- Fully compliant with life-safety codes

Touch Sense Devices

- Touch sense bar (TSB) or touch sense handle (TSH) operate with a light touch; safe, easy for elderly or disabled persons
- No moving parts, mechanical wear is not an issue
- Options for metal, aluminum, or wood frame doors

Exit delay systems, SECURITRON iMXDa shown.*

Applications: healthcare facilities, offices, museums, libraries, retrofit.



Key Systems Management

Strict key system management is crucial to maintaining a secure facility and effective key system. Our customized key systems meet all security objectives and specially-trained consultants can provide a formalized key control plan for any facility.

Key Management

- Includes everything needed for maintaining effective key control:
 - A comprehensive key management software program
 - Assistance with developing policies, procedures, and recordkeeping mechanisms

KeyWizard® Software

- Helps track keys, key holders, hardware locations, and more
- Windows®-based user-friendly interface works with stand-alone or networked systems



Specialized Tools and Assistance

- Handy manuals demystify key control
 - Master Key System Design Guide, Key Control Guide
- Interactive tools help with planning - www.assaabloydss.com
- Certified ASSA ABLOY key system specialists provide design, consultation and training assistance

Door Controls



Controlling the speed that a door closes helps ensure safe passage through the opening, while reliable closing facilitates secure latching of the door. Our ADA-compliant mechanical and electromechanical door controls meet varying needs throughout a facility.

Surface-Mounted Door Closers

- Rack & pinion operation provides smooth control through opening and closing cycles
- Non-handed available
- Multi-size springs available for flexibility in stocking
- Adjustable sweep speed, latch speed and backcheck cushioning
- Parallel arm design option ideal for vandal-prone areas
- Ask about our new "smart" closer* that adapts to environmental changes and needs no adjusting

Concealed Door Closers

Overhead

- Concealed mounting helps resist tampering and maintains architectural appeal
- Steel track and slider provide quiet operation and easy assembly
- Can be installed on exterior or interior doors
- Options include offset or center hanging for design flexibility

Floor

- For heavy doors up to 1,500 lbs.
- Gives longer life to door and frame assembly
- Efficient for handicap compliance
- Transfer pivot available - allows electricity to flow from the frame to the locking hardware

Closer-Holders

- Combines electromechanical door holder functionality with door closer reliability
- Adjustable to virtually any degree of door opening, adjustable backcheck
- Vandal-resistant
- Available with fire and smoke detectors

Door Operators

- Automatically open and close doors with a lower energy opening force
- Application versatility and ease of adjustment
- Integrate with access control systems
- In a power failure, operator performs as a manual surface closer during closing cycle

Overhead Stops

- Keeps door from swinging open too far
- Protects the closing device, door and frame
- Eliminates racking of door and frame, particularly important when power transfer to egress hardware is involved

Closers, NORTON Trinity™* shown.
Applications: schools, hospitals, industrial facilities.



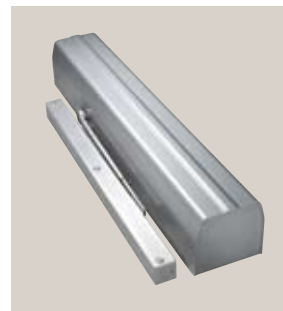
Floor closers, RIXSON Model 27 shown.
Applications: high-frequency, heavy, or oversized doors.



Closer-Holders, NORTON Power Track® shown.
Applications: rated doors where wall magnets are impractical, pocket doors.



Operators, NORTON 5700 LEO® shown.
Applications: ADA openings, schools, healthcare facilities, offices.



All door hanging and auxiliary hardware needed to complete an opening is provided by our brands, ensuring seamless integration and continuity of style. Heavy-duty construction, along with vandal-resistant designs, helps keep openings safe and secure for years of reliable use.

Hinges

- Full line of ANSI/BHMA Grade 1 and Grade 2 hinges for medium- to heavy-duty applications
- Butt hinges
- Aluminum continuous geared hinges
- Stainless steel pin & barrel continuous hinges
- Available added-security features include:
 - Non-removable pin for vandal-resistance
 - One-piece non-removable pin with tapered tips for hospital clean rooms and institutions

Pivots and Pivot Sets

- Long-lasting performance and reliability, even for extremely heavy doors (up to 1,500 lbs)
- Offset and center-hung options
- Relies on the strength of the floor to carry the weight, resulting in less stress on the frame assembly; prevents door sagging; allows door to swing with less resistance
- Allows for door adjustment throughout the life of the building to compensate for settlement
- Transfer pivot available with monitor switch, allows access control from a remote location

Accessories

- Power supplies for managing power distribution to opening and interfacing with fire alarm system
- Linear power supplies produce no interference, extending the life of electronic components
- Keypads, card readers, key switches for access control functions
- Push buttons for easy release of an opening, large variety for many applications

Architectural Door Trim

- Push and pull hardware, specialty trim
- Flat goods, protection plates, guards
- Door stops and holders
- Thresholds and weatherstripping
- Bolts and latches

Pivots, RIXSON intermediate and bottom models shown.
Applications: high-frequency, heavy, oversized, and/or electrified openings.



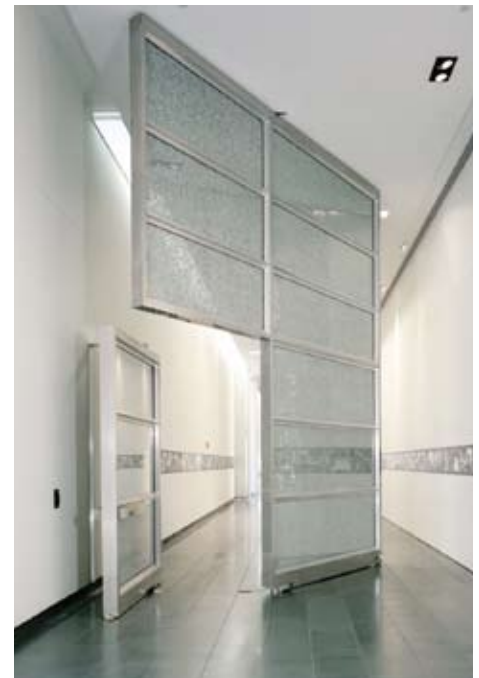
Hinges, McKINNEY butt and continuous models shown.
Applications: all swinging door types, metal, wood, aluminum.



Pushbuttons, SECURITRON shown.
Applications: REX, emergency override, remote release, and ADA openings.



RIXSON pivots make even the heaviest, most unique doors possible.





Doorways are critical to maintaining the integrity of a structure when high force winds occur. Powerful winds can turn debris into dangerous missiles that can breach the building envelope and cause catastrophic damage. Our doors and hardware meet or exceed stringent windstorm building codes.

Holding Firm Against Mother Nature.

Hurricane Requirements and Solutions

Hurricanes are defined as long in duration with strong, sustained winds and rapid fluctuations in air pressure. Products designed for use in hurricane-prone areas are subjected to tests simulating storm conditions, including impact from airborne debris and cyclical pressure loading. A building designed to hurricane standards should survive a storm in good condition, with doors and hardware operational.

Regulatory Groups For Windstorm Loading

- American National Standards Institute (ANSI)
- American Society of Testing Materials (ASTM)
- International Building Code (IBC)
- Florida Building Code (FBC) including High Velocity Hurricane Zones (HVHZ)
- American Society for Civil Engineers (ASCE)
- Texas Department of Insurance



We offer doors and hardware that are third-party certified as complete opening assemblies and as individual components, for mix and match flexibility.

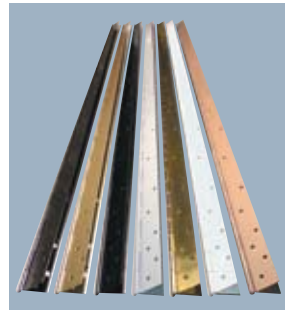
Certified Hollow Metal Doors and Frames

- CECO DOOR Medallion, Legion, Ultra, Regent, Omega, Imperial, Versadoor and Fuego doors
- CURRIES 607, 707, 727 and 747 Series doors
- Available in various sizes and design pressures
- Contact us for frame information

Certified Hardware

- CORBIN RUSSWIN ML2000 Series mortise locks; CL3300 Series cylindrical locks; ED5200S(A) and ED5470(B) exit devices; 988CR surface bolts; 900 Series mullions; Access 800® Series mortise and cylindrical locks, exit devices
- SARGENT 8200 and 7800 mortise locks; T-Zone™ (11 Line), 10 Line, 7 Line, 6500, and 7500 cylindrical locks; HC8800, WS8800, WS8900, and 8600 Series exit devices; Profile Series mortise, cylindrical and exit device products: HC980, 12-HC980, 12-HC L980, and 12-L980 mullions
- Various McKINNEY full mortise and continuous hinges, and MARKAR continuous hinges
- RIXSON M19 intermediate pivots and 195 pivot set
- YALE 8800 Series, eBoss® and YM Series™ mortise locks; 5300, 5400, eBoss and YM Series cylindrical and mortise locks; 7150(F) WS Series exit devices; 4800 Series interconnected locks; M200FWS and KRM200FWS mullions
- Available in many finishes and trim styles

Hurricane products, MARKAR continuous hinges, SARGENT T-Zone lock shown. Applications: perimeter openings in hurricane zones.





Codes that protect structures from tornadoes differ from those that protect against hurricanes since these weather events apply substantially different forces to buildings. In addition to our solutions for hurricane requirements, we offer several third-party tested assemblies that meet or exceed FEMA safe room construction guidelines.

Tornado Requirements and Solutions

Tornadoes are short in duration with intense winds. Buildings in tornado-prone areas have a designated safe room, built with shelter-grade products. Survival of the occupants is the primary goal. Even if the building is destroyed, the safe room should remain standing. Doors and hardware are not expected to be functional afterwards, they must simply remain intact.

Regulatory Group For Tornado Zones

- FEMA 361 and 320, ICC-500

*Tornado assemblies, CURRIES StormPro and CORBIN RUSSWIN FE6800 shown.
Applications: safe room doors in schools, healthcare, and other public buildings.*



Safe room and shelter products are tested and certified as complete assemblies only.

Certified Assemblies

CECO DOOR or CURRIES StormPro® doors and frames, McKINNEY SP Series hinges, and these options:

- CORBIN RUSSWIN FE6800 multi-point lock
- SARGENT FM7100 multi-point lock
- YALE 7380F multi-point lock
- SARGENT FM8700 surface vertical exit device
- 4-Sided shutters available with multi-point locks



Bullet-Resistant Openings and Security Sidelites



In response to requests from building owners, our brands developed bullet-resistant doors and frame systems and security sidelites for added protection against assault or vandalism.

Bullet-Resistant Door and Frame Assembly

- Effective against a wide range of firearms including high-powered rifles
- Up to "Level 4" bullet resistance for the best protection against penetration and fragmentation
- Cost-efficient means of providing added protection for vulnerable openings
- Available in standard door sizes and constructed with armor plate welded inside

Security Sidelite Unit

- A strong physical and visual barrier against potential intruders
- Hinged security panel with auxiliary latch closes over sidelite
- Available with hollow metal or wood doors
- Can be prepped to meet hardware requirements

*Bullet-resistant assemblies, CECO DOOR ArmorShield shown.
Applications: government facilities, armories, safe rooms, cashier areas.*



*Protected sidelites, CECO DOOR Security SideLite Unit shown.
Applications: classrooms, post offices, government facilities, airports.*



LiteGuide™ enhances the visibility of an opening by illuminating the door, frame, and egress hardware. This makes exits highly identifiable, particularly in dark or smoky conditions, providing added safety for your building. Illuminated floor markings provide a pathway to the opening. LiteGuide makes it easy to locate the closest exit and get out quickly.

It's Easy to See the Difference.

Illuminated Openings

Given that jurisdictions are beginning to write emergency egress lighting requirements into building codes, this system is an important innovation with options suitable to new and retrofit applications. LiteGuide is ideal for egress paths and stairwells in public buildings where people may need to exit quickly:

- Office buildings
- Hotels and casinos
- Stadiums, theaters and auditoriums
- Convention centers
- Schools

LiteGuide product offerings include doors and frames from CECO DOOR and CURRIES, and hardware from CORBIN RUSSWIN, SARGENT and YALE. For added safety, LiteGuide can be combined with a smoke control door and frame system from CECO DOOR or CURRIES.



LISTED Fire and Panic

LiteGuide EL (Electroluminescent)

- Tested to be much more visible than traditional emergency lighting, especially in dark or smoky conditions
- Made for areas needing optimum visibility and activation by fire alarm
- Designed for continuous operation or emergency activation, connects to fire alarm system
- Patented frame design protects the FLATLITE® lighting strip
- Can be used alone or as part of an egress path marking system
- Variety of features and options available

LiteGuide PL (Photoluminescent)

- Recharges from ambient light and produces a bright green glow when lights dim or go out
- Ideal for retrofit, no wiring
- Made for well-lit areas where wiring is not desired
- Non-toxic material
- Simple, cost-effective way to increase safety

Electroluminescent egress marking, LiteGuide EL strip and opening shown.
Applications: auditoriums, stairwell towers, entertainment venues.

Photoluminescent egress marking, LiteGuide PL charged, opening shown.
Applications: industrial spaces, schools, offices.



In a crisis situation, the Beacon™ exit device helps occupants find their way out quickly and safely, enabling emergency personnel to reach the source of the problem faster. Synchronized audible and visible alerts built into Beacon make exit locations highly noticeable in low visibility conditions.

Navigating a New Pathway to Safety.

Audible and Visible Openings

Beacon connects to the building's fire alarm system; when activated, it begins a sequence of synchronized signals. First, the exit device emits pulsing light and white noise. Next comes verbal emergency messages stating "exit located here" (in one or more languages), followed by a combination of flashing LEDs and a highly visible cone-shaped green laser light that draws people directly to the exit. The sequence repeats continuously.

- People can exit quickly because they'll easily see and hear where the exits are located
- First-responders can get to the problem faster
- Self-contained, easy to retrofit, minimal maintenance
- Flexible options and modular design make it easy to incorporate preferred features
- Integrates into existing fire alarm systems

All Components Contained in Exit Device

- Visible components - illuminated touchpad, strobe (pulse) light, laser beam
- Audible components - white noise, multilingual messages
- Built into proven SARGENT 80 Series exit device

Audible and visible egress marking, SARGENT Beacon shown.

Applications: entertainment venues, healthcare facilities, high rise buildings.



Antimicrobial Hardware Finish



Improve facility hygiene by protecting high-touch door levers, exit devices and other hardware with MicroShield® antimicrobial finish, available on products from ASSA ABLOY brands. MicroShield uses natural silver-based properties to inhibit the growth of microbes.

A New Kind of Building Security.

Safer Surfaces, Naturally

MicroShield hardware finish coating continuously inhibits the growth of bacteria, algae, fungi, mold and mildew:

- Non-toxic and highly effective
- Uses silver-based compound from Agion®, safe for people, animals, and plants
- Built-in protection offers controlled release of silver ions to continuously attack microbes and inhibit growth
- Available on locks, exit devices, hinges, and architectural trim
- Factory-applied and lasts the life of the hardware finish



MicroShield® antimicrobial hardware finish, SARGENT Studio Collection lever shown.

Applications: healthcare facilities, laboratories, schools, daycare centers, offices, restaurants.



Door openings, often just as beautiful as they are functional, can be a crucial part of a building's overall design concept. Choose from a full range of doors, frames and hardware in many styles and finishes to create high-performance openings that complement your design vision.

Seamless Design

- Architecturally-designed doorways that blend into the wall
- Integrated doors can “disappear” into pocketed openings, providing clean sight lines
- Concealed hardware adds to fluidity of opening and visual appeal within the space
- Ideal for cross corridor, elevator lobby, smoke and stairwell doors

Hollow Metal Doors and Frames

- Many sizes, gauges and styles to meet life-safety, security and aesthetic needs for all interior and exterior applications
- High quality construction to stand up to time, daily use, abuse, and extreme weather conditions
- Custom and standard doors and frames for complete design freedom
- Life-safety options include fire rated, windstorm, and illuminated doors and frames
- Composite and steel-stiffened options

Specialty Openings

- Elegant panel doors with embossed designs; available in 2-panel, arch top 2-panel, and plank arch top 2-panel
- Sound control hollow metal or wood doors, with seals and thresholds
- Smoke control openings
- Arched frames and custom profiles
- Lead-lined doors and frames (for radiation areas)

Privacy Sidelites

- Instant visual barrier and privacy provided by “switchable” glass - goes from clear to opaque with the flip of a switch
- Integrated into hollow metal sidelite unit
- Can include electrified locking to create dual privacy and security functionality
- May be stand-alone or set up to allow multiple openings to be converted to privacy mode with one switch action

Custom openings combine form and functionality to give entrances a unique presence, CURRIES door with SARGENT exit hardware shown.



Visual barrier, CECO DOOR Privacy Sidelite Unit, opaque state shown.

Applications: law offices, healthcare facilities, banks, conference rooms.



Embossed doors, CECO DOOR HD 2-Panel door shown.

Applications: Multi-family housing, assisted living, hotels, offices.



Integrated assembly, RITE Door® by ADAMS RITE shown.

Applications: schools, healthcare, hotels, cross corridor, elevator lobbies.



The undeniable beauty of our high quality architectural wood and wood grain hollow metal doors allows architects and building owners to satisfy security, aesthetic, maintenance and other objectives. These doors bring richness, warmth and beauty to a facility, while providing the durability needed for constant use.

Architectural Wood Doors

- Flush wood doors in many wood grains, stains, cuts and matches
- Stile & rail doors for modern and traditional designs
- Sketch-face* doors for highly stylized environments

Specialty Wood Doors

- Dutch doors for air flow and visibility, while limiting traffic
- Wicket doors for access while maintaining security to an area
- Doors with transoms for adding height and visual interest to a space
- Lead-lined, acoustical, fire rated
- Lites available

Thermal-Fused Doors

- Achieve the look of solid wood with the benefits of laminate (LPDL - Low Pressure Density Laminate)
- Consistent appearance, durable and affordable
- Easy to maintain
- Impact and scratch resistant surface

Embossed Hollow Metal Doors

- Ideal for commercial applications due to strength and fire listings
- Available in custom and standard colors, and wood grain finish
- Available in flush or raised panel stile & rail designs

Many options for beautiful openings give architects the freedom to achieve their design vision while meeting security and life-safety requirements.

Options: GRAHAM flush wood doors, MAIMAN thermal-fused and stile & rail doors, CECO DOOR or CURRIES stainable hollow metal doors, coupled with CORBIN RUSSWIN, SARGENT or YALE decorative hardware trim.



Decorative Hardware and Finishes



Building owners can enjoy beautiful door hardware that coordinates with the overall look of the space. Decorative levers are available with our ANSI/BHMA Grade 1 and Grade 2 mortise and tubular locks, access control products, and exit devices, for beauty plus exceptional strength and security.

Style Plus Security - A Powerful Combination.

Create a Design Continuum

We offer a variety of sleek, attractive lever designs for a custom, matching look throughout a facility. Unique to the industry, this allows the door hardware - from the telecommunications room to the board room - to have the same distinctive lever styles. Ask about our custom trim capabilities.

Decorative levers are available with these products:

- Mortise locks
- Tubular locks
- Advanced access control devices
- Exit devices
- Master key systems

Security and life-safety will not be compromised because these decorative lever collections are exclusively from manufacturers known for quality:

- Muséo™ Collection by CORBIN RUSSWIN
www.corbinrusswinmuseo.com
- Studio Collection by SARGENT
www.studiocollection.com
- Reflections® by YALE
www.reflectionsbyyale.com

Finishes

Complete with a beautiful long-lasting finish, door hardware becomes an integral part of the overall design of the facility. We offer over a dozen finishes, including stainless steel, nickel and oil-rubbed bronze. MicroShield® antimicrobial hardware finish can be added for protection against the growth of many microbes.

Highly stylized traditional and contemporary lever designs from CORBIN RUSSWIN, SARGENT and YALE.

Applications: hotels, convention centers, casinos, restaurants, offices, luxury condominiums, healthcare facilities, military installations, schools.



Concealed hardware adds to the beauty of any opening by ensuring smooth operation while being hidden from sight. Electronic locking components concealed within the opening provide an added measure of security and convenience, and play into aesthetic design.

Concealed Hardware

- Pivots provide exceptional strength and flexibility for hanging doors, while remaining concealed from view
- Overhead stops and holders perform their function while being concealed in the door
- Electrified components are hidden within the door or frame, and easily connected or upgraded thanks to ElectroLynx® plug-and-play connectors
- Exit devices and locking hardware may be integrated into the door for an unobtrusive appearance

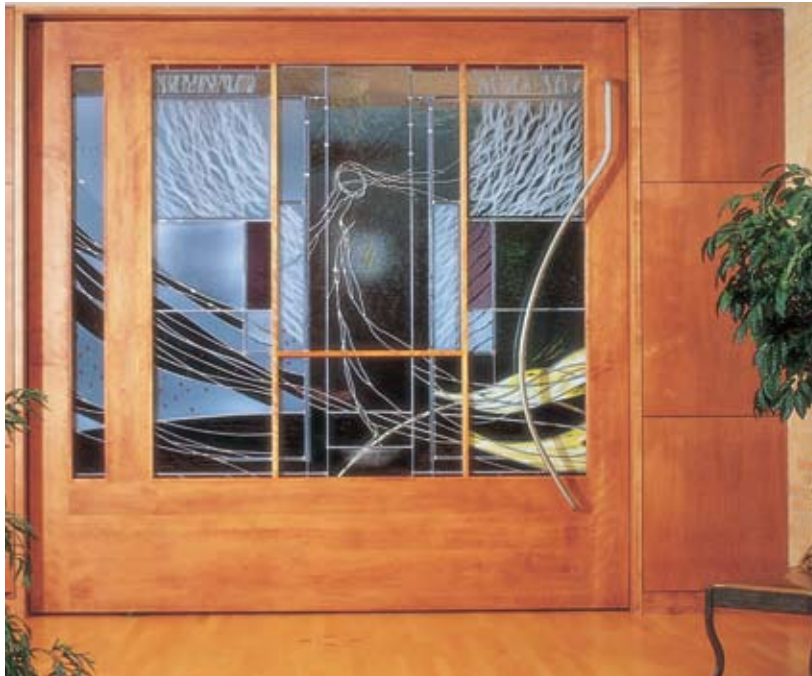
Decorative Architectural Door Trim

- Push and pull hardware, specialty trim
- Door holders
- Flat goods and stops

Auxiliary Hardware

- Thresholds and weatherstripping
- Bolts and latches
- Door viewers, knockers and hooks

Concealed hardware allows the beauty of the door to take center stage.



Concealed hardware, RITE Door® by ADAMS RITE shown.

Applications: offices, hotels, convention centers, hospitals, museums.



Door trim, McKINNEY stops, pulls, and bolts shown.

Applications: all architectural openings.



Preinstalled Doors and Hardware



Doorway installation is quick and easy with the ReadySet® system from ASSA ABLOY brands. All components - including locks, exit devices, closers, hinges, pivots, door controls, trim and more - can be preinstalled onto the doorway and tested for functionality. Complete assemblies arrive at the jobsite ready for final installation and immediate use.

Preassembled. Prefinished. Precise.

Doorway Installation in Under 10 Minutes

- Complete units are preassembled and ready for final installation at end of project cycle, after completing wall treatments, flooring, etc.
- No additional prep work, coordinating, or securing parts on site
- Opening is ready to use immediately
- One shipment, one lead time
- Virtually no punch list items

Product Selection

- Single and double doors, wood, hollow metal or thermal-fused (low pressure density laminate)
- Doors and frames in standard or custom colors
- Locking, access control, and exit hardware - mechanical and electrified
- Various hardware finishes and styles available including decorative trim
- Door closers, hinges and pivots

Assembly Options

Doors with Preinstalled Hardware

- All hardware preinstalled on door, ideal for retrofit
- Fully-functional and ready to use immediately upon installation
- Variety of reasonably-priced and custom options available

Preassembled Openings

- Doors, frames and hardware come fully preassembled, prefinished and tested for functionality
- Patent-pending 2-piece frame has welded, mitered corners; no exposed seams
- Windstorm approved doors, frames and hardware
- Fire rated to 1-1/2 hours; tested for over 3 million cycles



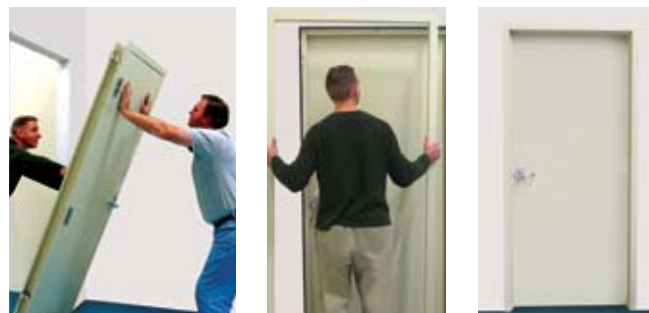
With ReadySet, complete doorway installation takes under 10 minutes!



ReadySet door with preinstalled hardware - assembly requires just minimal tools and the instructions included with the unit.



Easy installation of complete door, frame and hardware assembly - set assembly in opening, add frame trim piece - opening is ready in 10 minutes!



Installing and maintaining electrified openings is easy with ElectroLynx®, a system of standardized plug-in connectors and color-coded wiring. Doors and electromechanical hardware are available pre-wired with plug-in connectors for easy hookup to the power source.

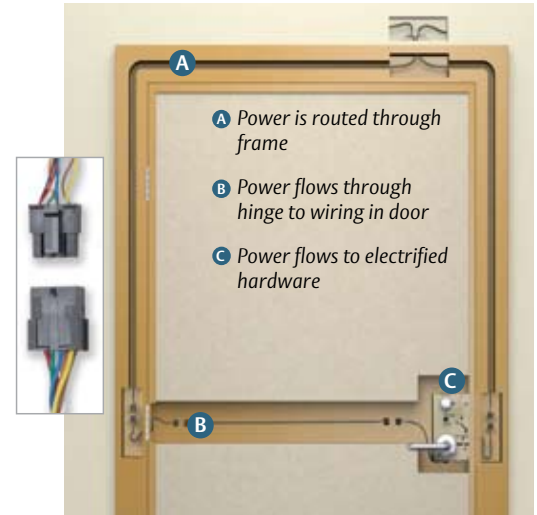
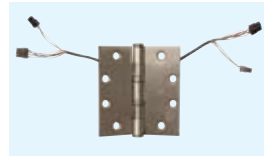
Hardwiring Made Easy.

Pre-Wired Openings

- Components come pre-wired:
 - Doors
 - Hinges and pivots
 - Locking hardware
- Concealed wiring preserves aesthetics and fire rating

Plug-and-Play Connections

- Fast and fool-proof installation
- Snap-together Molex® connectors ensure proper connections
- Easy upgrades
- No need to match up wires, create connections or drill holes in the door or frame



Retrofit Solutions



To improve security and safety in existing buildings, it's easy to upgrade door hardware without replacing everything on the opening. Our mechanical and electromechanical locking solutions install with minimal disruption to the opening.

Easy Retrofit Security Upgrades

- Easy-to-install locks and electric strikes
- eCylinders for easy upgrade to a key system
- Access control products that fit into existing systems
- Doors and hardware pre-wired with ElectroLynx for easy connection

Ask about our specially-designed locking products that can be installed in minutes!

Easy upgrade to access control, MEDECO Logic™ shown. Applications: retail cabinets, commercial facilities, padlocks.



Quick installation cylindrical lock, SARGENT 10 Line shown. Applications: schools, offices, hospitals, manufacturing facilities.





Sustainable and environmentally-responsible practices are now commonplace in the construction industry. While doors, frames and hardware are a small part of an overall building, they can still play an important role in achieving green building goals. Our brands are committed to implementing manufacturing processes that advance this cause.

Benefits of Being Green

Following practices associated with LEED® certification (see next page) demonstrates an owner's commitment to having a building that's environmentally-responsible and healthy to live or work in, while being profitable. Some of the benefits of evolving towards this mindset include:

- **Lower operating costs** - many of our products far exceed ANSI/BHMA 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
- **Healthier and safer for occupants** - comes from our using non-hazardous materials and providing effective life-safety solutions
- **Reduced waste** - high amounts of recycled content in our manufacturing and packaging, exceptional product longevity, and using FSC-certified (Forest Stewardship Council) printers contributes to a cleaner environment

Optimizing Energy Performance

One of the many goals of the environmental movement is to produce structures that are more energy efficient, thus lowering the building's overall cost of operation and its environmental footprint. Doorways, particularly those in the building envelope, can help improve thermal performance.

Thermal Break Frames

- Integrated weatherstripping material prevents heat and cold transfer
- Insulating material delivers maximum protection against cold penetration
- Lessens heat transfer and prevents condensation or frost from forming on the interior portion of the frame
- Contributes toward the desired lower U-factor measure of heat transmission

Kerf Frames

- Provides draft control at the frame; weatherstripping in groove, or kerf, along the frame
- Convenient, no additional fasteners needed, unaffected by paint or light
- Fire rated
- Tested to 1,000,000 cycles

Insulated Doors

- Solid polyurethane core doors help maximize energy efficiency
- Improves the building envelope thermal performance and increases the R-factor designation, indicating more effective insulating materials

Gasketing (Weatherstripping)

- Prevents air from seeping through necessary gaps or seams in the opening
- Made from flexible materials that do not impede operation of the door; various grades available to meet weather conditions of different climate zones
- Completes the package of a truly effective barrier against energy loss

Door Closers

- Prevents excessive heat loss by making sure doorways close and latch properly
- Differences between inside and outside air pressure can impede the door closing cycle; properly sized closers overcome this pressure without requiring excessive opening force

Energy-efficient products, CECO DOOR thermal break frame (left) and weatherstripped kerf frame shown.

Applications: openings needing heat and cool air retention.



In addition to proven longevity and reliability, our products can help your facility receive credits toward LEED® certification. LEED is the predominant rating system in the United States, established by the USGBC to award credits for meeting specific criteria. Achieving LEED certification leads to numerous environmental and financial benefits throughout the life-cycle of the building.

LEED Rating System

- LEED - Leadership in Energy and Environmental Design
- Predominant system used in this country, established by the United States Green Building Council (USGBC)
- Minimum credits needed for a building to achieve LEED certification is 26
- Buildings, not products, achieve credits; products meeting criteria can contribute towards a building getting credits

Our Products and LEED Credits

Our products can contribute toward certain LEED credits. Qualifying categories and our product lines that meet criteria are as follows**:

Materials and Resources

Recycled Content - facility earns two credits if up to 20% of the materials used (by total value) incorporate recycled materials.

Qualifying products: hollow metal doors and frames, wood doors, most architectural hardware.

Rapidly Renewable Materials - facility earns one credit if 2.5% of the building materials and products are made from rapidly renewable materials.

Qualifying products: wood (agrifiber) doors.

Certified Wood - facility earns one credit if 50% of wood is FSC-certified.

Qualifying products: wood doors.

Common Terminology

Sustainable Design - the practice of reducing negative environmental impacts while improving building performance and providing a healthier setting for occupants

Green - refers to products that fit the standards of sustainable design

Sustainable Building Standards - any standard or rating system that seeks to promote sustainable design and/or usage of green materials

Indoor Environmental Quality - Low-Emitting Materials

Paints & Coatings - one credit earned for meeting VOC (Volatile Organic Compound) limits.

Qualifying products: hollow metal doors and frames, wood doors, most hardware.

Composite Wood & Agrifiber Products - one credit earned if composite wood and agrifiber products contain no added urea-formaldehyde resins.

Qualifying products: wood doors.



Ask your local ASSA ABLOY Door Security Solutions team about our environmentally-responsible solutions, including energy-efficient products and use of recycled materials. Visit www.assaabloydss.com for LEED documentation and weatherized product information.

**Note: Standards are summarized here. For complete LEED document, visit www.usgbc.org. For details on standards met by ASSA ABLOY Group brands, visit www.assaabloydss.com.

Product Training

Thorough product understanding is an important component of successfully selecting, installing and maintaining doorways. To that end, our product, technical and architectural experts provide a complete range of hands-on educational courses for end-users, architects, distributors, security professionals, and others.

Educational Programs for Distributors, End-Users, Architects

- Dozens of hands-on product courses include basic, intermediate and advanced levels
- Product training courses cover architectural and electromechanical hardware, doors and frames
- Courses include real-world scenarios and educational tools
- General training courses include modules on: hanging, locking, and controlling a door; access control; door types; and codes & standards



Passport Provider



Global Provider

- AIA/CES and CSI/CEN continuing education courses cover codes & standards, fire doors, life-safety, mechanical and electrified hardware systems, ADA, LEED, windstorm applications, and more

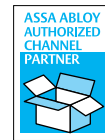
- Course instructors are industry experts with vast product and application knowledge

Visit www.assaabloydss.com for course descriptions.

Channel Partner and Integrator Programs

ASSA ABLOY brands provide industry-changing products that bridge traditional mechanical locking with online electronic access control. We offer structured programs to give our partners the knowledge and support needed to sell these products:

Authorized Channel Partner (ACP)



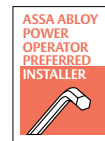
- On-site training for wholesalers, distributors, and other channel partners
- Real-world exercises ensure understanding of product technologies, features, applications, and model structure
- Enables students to assist customers with product selection and order submissions

Certified Integrator (CI)



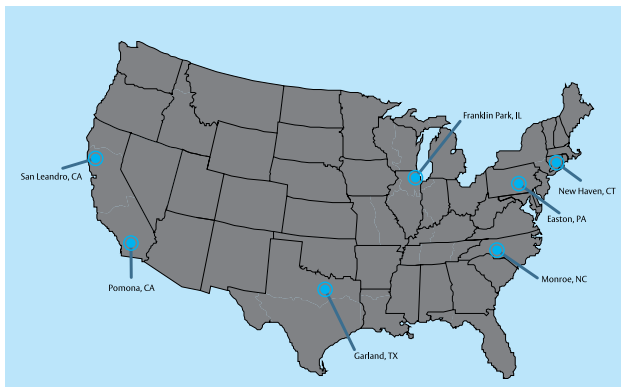
- Intensive, hands-on training for security systems integrators and system administrators
- Includes ACP program content, plus conducting site surveys, system design and integration, and product installation
- Real-world exercises focus on tools and techniques to diagnose, isolate, and rectify system and product issues

Power Operator Preferred Installer (POPI)



- Training on proper installation and product configuration for low energy power operators
- Practice exercises to ensure proper operation and performance
- Guidelines and hands-on tasks to ensure timely troubleshooting and repair

Participants experience hands-on learning at our regional training centers.



Sales and Technical Support

We're constantly exploring ways to provide smarter, easier-to-use access and egress control solutions that combine security with safety and accessibility - while creating a visually-appealing space. Teams of specialists across the country provide a full spectrum of services to help ensure you have the right opening for every application.

Architectural Services

- Product research and selection, jobsite inspection
- Specification writing, door and hardware schedule preparation
- Integration of electronic access control systems
- LEED® consultation and code compliance review
- Training programs approved for continuing education units

Vertical Market Specialization

- Local experts focused on government, healthcare, k-12, military, and university facilities
- National account representatives focused on healthcare, hospitality, and retail facilities
- Product development centered on meeting challenging security and life-safety needs of specific markets

Security and Access Control Support

- Jobsite review of security needs and goals
- Product and technical expertise, consultation, training
- Help achieving code-compliant, well-integrated openings
- Product specifications, riser and point-to-point diagrams, method of operations details
- PSP (Physical Security Professional) consultants, as certified by ASIS International

Certified Key System Specialists

- Complete design service or assistance developing secure factory-masterkeyed systems
- Policy and procedure recommendations for any facility
- Training and assistance, consultants located nationwide
- The industry's only certified key system specialists - ASSA ABLOY certified, extensively trained and tested

Nationwide Distributors and Service Centers

Facilitating the effort to bring products and services closer to local jobsites is our network of distributor partners and service centers. They bridge the gap between manufacturers and customers to ensure complete opening solutions and services.

Distributor Partners

- Large nationwide network for efficient purchasing and distribution of doors, frames and hardware
- Highly experienced with various capabilities and local market knowledge
- Handle all new and retrofit commercial construction projects
- Value-added services may include:
 - Product expertise and training
 - Custom product modification
 - Specification writing
 - Scheduling and order coordination
 - Installation, maintenance and repair assistance
 - In-house product inventory

Regional Service Centers

- Strategically located regional facilities for cost-saving transshipments and proximity to local jobsites
- In-house stock of popular products, many specialty items
- Meet quick lead times, 24-hour turnaround available
- Authorized UL and WHI facilities
- Knowledgeable staff provides product, engineering and field support
- Custom modification capabilities may include:
 - Pre-installation of doors and hardware, ReadySet®
 - Welding and fabrication
 - Door conversions, cut, notch and tag

Bringing It All Together

Security, life-safety, convenience, and design - teams of door and hardware specialists throughout the ASSA ABLOY organization bring these concepts together to create complete solutions for virtually any commercial opening. It all starts with products from the finest brands in the industry.

ADAMS RITE

www.adamsrite.com

Integrated door assemblies, mechanical and electromechanical locking systems, electric strikes, and exit devices

BARON

www.baronmetal.com

Custom and standard steel doors and frames

CECO DOOR

www.cecodoor.com

Custom and standard steel doors and frames

CORBIN RUSSWIN

www.corbinrusswin.com

Mortise, cylindrical & auxiliary locks, exit devices, door closers, key systems, electromechanical products, and access control products

CURRIES

www.curries.com

Custom and standard steel doors and frames

GRAHAM

www.grahamdoors.com

Architectural flush wood doors

HES

www.hesinnovations.com

Electric strikes, locking devices and security accessories

MAIMAN

www.maiman.com

Fine architectural wood doors and frames

MARKAR

www.markar.com

Continuous hinges

McKINNEY

www.mckinneyhinge.com

Hinges, weatherstripping, stops, holders, bolts and flat goods

MEDECO eCYLINDERS

www.medeco.com

eCylinders, high security cylinders, key control systems

NORTON

www.nortondoorcontrols.com

Mechanical and electromechanical door closers

RIXSON

www.rixson.com

Concealed closers, pivots and mechanical/electromechanical door holders

SARGENT

www.sargentlock.com

Mortise, cylindrical & auxiliary locks, exit devices, door closers, key systems, electromechanical products, and access control products

SECURITRON

www.securitron.com

Electromagnetic locks, power supplies, keypads, egress systems, and push buttons; MagnaCare® lifetime warranty

YALE

www.yalecommercial.com

Mortise, cylindrical & auxiliary locks, exit devices, door closers, key systems, and electromechanical products





Industry Affiliations

Involvement in many industry organizations helps us keep up with the pulse of the market and understand the latest trends.

AIA	American Institute of Architects
ALOA	Associated Locksmiths of America
ASIS	ASIS International
BHMA	Builders Hardware Manufacturers Association
CHD	Center for Health Design
CSI	Construction Specifications Institute
DHI	Door and Hardware Institute
NAAMM	National Association of Architectural Metal Manufacturers
SDI	Steel Door Institute
SHDA	Security Hardware Distributors Association
SIA	Security Industry Association
WDMA	Window and Door Manufacturers Association

SARGENT lock with decorative trim on a GRAHAM wood door provides style plus security

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

ASSA ABLOY

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 of Arizona
Phoenix, Arizona
Phone: 602.494.3235 (main)
866.494.3235 (toll-free)

Door Security Solutions of the Carolinas
Monroe, North Carolina
Phone: 800.438.1951

Door Security Solutions - Chesapeake
Cockeysville, Maryland
Phone: 410.667.4041

Door Security Solutions of Florida
Altamonte Springs, Florida
Phone: 407.788.0198 (main)
800.835.9409 (toll-free)

Door Security Solutions of Georgia
Atlanta, Georgia
Phone: 678.324.3551

Door Security Solutions - Great Lakes
Bensenville, Illinois
Phone: 630.594.1500

Door Security Solutions of Hawaii
Kailua, Hawaii
Phone: 808.263.3855

Door Security Solutions Metro - Upstate New York
Pittsford, New York
Phone: 585.899.5280

Door Security Solutions Metro - Upstate New York
Hackensack, New Jersey
Phone: 201.489.3709

Door Security Solutions of Michigan
Grand Rapids, Michigan
Phone: 616.301.1991

Door Security Solutions - Mid America
Bridgeton, Missouri
Phone: 314.298.8881

Door Security Solutions - Mid Central
Pickerington, Ohio
Phone: 614.577.1500

Door Security Solutions - Mid Continent
Overland Park, Kansas
Phone: 913.378.0109

Door Security Solutions of Minnesota
Oakdale, Minnesota
Phone: 651.209.3570 (main)
800.558.9706 (toll-free)

Door Security Solutions of New England
Unionville, Connecticut
Phone: 860.673.2811

Door Security Solutions of Northern California
Fairfax, California
Phone: 415.306.9000

Door Security Solutions of the Pacific Northwest
Kirkland, Washington
Phone: 425.821.8863

Door Security Solutions of the Rockies
Loveland, Colorado
Phone: 970.635.9595

Door Security Solutions - South Central
Birmingham, Alabama
Phone: 205.995.2252

Door Security Solutions - Gulf Central
Houston, Texas
Phone: 713.460.5216

Door Security Solutions of Southern California
Anaheim, California
Phone: 714.779.3030

Door Security Solutions of the Southwest
Garland, Texas
Phone: 972.665.0140 (main)
877.900.8844 (toll-free)

Door Security Solutions - Tri-State
Wyoming, Pennsylvania
Phone: 570.693.3323 (main)
877.825.3667 (toll-free)

ElectroLynx®

As part of their promise to provide innovative, fast and effective, and higher security solutions to their customers, ASSA ABLOY Group companies offer ElectroLynx, a universal quick-connect system that simplifies the electrification of the door opening. ElectroLynx® is a registered trademark of ASSA ABLOY, Inc.

ReadySet®

As part of their promise to provide innovative, fast, and effective security solutions to their customers, ASSA ABLOY Group companies offer ReadySet® preassembled doorways that can be installed in under 10 minutes.

ReadySet® is a registered trademark of ASSA ABLOY Door Group LLC, an ASSA ABLOY Group company.

MicroShield®

As part of their promise to provide innovative solutions to their customers, ASSA ABLOY Group companies offer the MicroShield® technology, a silver-based antimicrobial coating designed to stem the spread of germs and bacteria.

MicroShield® is a registered trademark of Yale Security Inc., an ASSA ABLOY Group company.

LiteGuide™

As part of their promise to provide innovative solutions to their customers, ASSA ABLOY Group companies offer the LiteGuide system, a luminescent egress marking system. LiteGuide installation is facilitated by ASSA ABLOY's ElectroLynx, a universal quick-connect system that simplifies the electrification of the door.

LiteGuide™ is a trademark of ASSA ABLOY, Inc.

Beacon™

As part of their promise to provide innovative life-safety solutions to their customers, ASSA ABLOY Group companies offer Beacon, part of the LiteGuide family of products. Beacon combines audible and visible alerts to make exit locations easy to find.

Beacon™ is a trademark of ASSA ABLOY, Inc.



FLATLITE® is a registered trademark of E-LITE Technologies, Inc.

Door Security Solutions®

110 Sargent Drive
New Haven, CT 06511
800.DSS.EZ4U (377.3948) | 203.624.5225
www.assaabloydss.com

Designed by the ASSA ABLOY Door Security Solutions Graphics Department
For more information, please call 203.603.5965

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