Architectural Guide for Doors and Frames
CURRIES has evolved from a turn of the century hardware store to a leading manufacturer of stock, standard, and specialty steel doors and frames. CURRIES was family controlled and operated until the mid-1980’s; the hollow metal manufacturing operation began in 1958.

In 1996, CURRIES became a part of the ASSA ABLOY Group. ASSA ABLOY is the global leader in door opening solutions, dedicated to satisfying end-user needs for security, safety and convenience.

Based in Mason City, Iowa, CURRIES is considered the most progressive manufacturer in its field. With a combined door and frame manufacturing plant totaling over 456,000 square feet, CURRIES has one of the largest production facilities in the industry. The state-of-the-art manufacturing plants and shipping center facilitates a quick response on large and small custom and standard orders. CURRIES’ state-of-the-art robotics and roll forming equipment is part of the technology that ensures consistent, timely products to the market.

The quality and reliability of CURRIES doors and frames is why CURRIES is a favored choice for construction projects worldwide. Using only the highest quality materials and manufacturing techniques, CURRIES produces metal doors and frames in many sizes, gauges, and styles to meet the full range of safety, security, and aesthetic requirements.
### Index

<table>
<thead>
<tr>
<th>Section</th>
<th>Page(s)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Introduction</td>
<td>2</td>
</tr>
<tr>
<td>ASSA ABLOY Service Centers and Distribution</td>
<td>3</td>
</tr>
<tr>
<td>Programs and Services</td>
<td>4</td>
</tr>
<tr>
<td>Going Beyond Green</td>
<td>5</td>
</tr>
<tr>
<td>Transparency and Sustainable Construction</td>
<td>6</td>
</tr>
<tr>
<td>Solutions</td>
<td></td>
</tr>
<tr>
<td>Sound</td>
<td>7</td>
</tr>
<tr>
<td>Installation</td>
<td>8-9</td>
</tr>
<tr>
<td>Decorative</td>
<td>10-11</td>
</tr>
<tr>
<td>Energy Efficient</td>
<td>12-13</td>
</tr>
<tr>
<td>Life-Safety</td>
<td>14-16</td>
</tr>
<tr>
<td>Severe Weather</td>
<td>17</td>
</tr>
<tr>
<td>Door Details</td>
<td></td>
</tr>
<tr>
<td>Composite Doors</td>
<td>18</td>
</tr>
<tr>
<td>Steel Stiffened Doors</td>
<td>19</td>
</tr>
<tr>
<td>Door Details</td>
<td>20</td>
</tr>
<tr>
<td>Frame Details</td>
<td></td>
</tr>
<tr>
<td>Masonry Flush Frames</td>
<td>21</td>
</tr>
<tr>
<td>Drywall Frames</td>
<td>22-23</td>
</tr>
<tr>
<td>Specialty Frames</td>
<td>24-25</td>
</tr>
</tbody>
</table>
Introduction

Sales, Marketing and Service Support
ASSA ABLOY Door Security Solutions

ASSA ABLOY Door Security Solutions field sales and architectural consultants are located throughout the United States. They work closely with end-users, architects, and distributors to ensure complete life-safety and security solutions for commercial facilities are met.

Support services include architectural education, technical expertise, and assistance with code compliance.

Visit www.assaabloydss.com to learn how we can help with your security and life safety needs.

Phone: 1-800-DSS-EZ4U (377-3948)
Address: 110 Sargent Drive
New Haven, CT 06511
Web site: www.assaabloydss.com

Contact your local Door Security Solutions representative via email at www.assaabloydss.com and clicking on “Service & Support”.

www.curries.com

Visit www.curries.com for complete product information and downloadable specifications for the entire CURRIES product line. The site is frequently updated with news about timely industry related issues.

New “Click to Chat” Tool

Our Customer Care and Tech Support representatives are ready to assist you! Go to curries.com and click on the Live Chat icon.
Our coast to coast, network of strategically located Service Centers, is designed to bring steel doors & frames, wood doors, and popular ASSA ABLOY brands of hardware and accessories closer to the market. All Service Centers are staffed with trained professionals ready to help you and answer any questions which may arise.

These modern, fully equipped facilities, connected electronically via our wide area computer network (WAN), offer the largest and most responsive delivery system in the industry. All facilities are licensed by Underwriters Laboratories (UL) and Warnock Hersey (WH) for the conversion and labeling of fire doors, frames and windows.

ASSA ABLOY Service Center Overview of Benefits and Capabilities

- Licensed to fire label products to meet regional building codes
- Deliveries via company trucks available at most of the locations
- Offers distributors same day pick-up or shipping of in-stock products
- Door and frame welding modifications
- Trans-ship point to reduce freight cost
- Trans-weld point - Ship from factory to service center to reduce cost of shipping welded frames across country
- Local quick ship custom frame manufacturing at Northeast, Southeast, Midwest, South Central and Southwest service centers
- Service Centers provide deliveries via LTL, dedicated carriers, or company operated milk runs

Network of Distributors

Their value-added services include:

- Specification writing
- Order coordination
- Jobsite walk-through
- Code interpretation
- Security Consultation
- Guidance for ADA compliance
- Door and Frame modifications

ASSA ABLOY Service Centers

Midwest
235 East Lies Road
Carol Stream, IL 60188
Phone: 630-682-8800   Fax: 630-682-8803
assaabloydss.com/MidwestSC

Northeast
1000 Conroy Place
Easton, PA 18040
Phone: 610-559-2180   Fax: 610-559-2190
assaabloydss.com/NortheastSC

New England
225 Episcopal Road
Berlin, CT 06037
Phone: 860-225-7411   Fax: 860-828-7202
assaabloydss.com/NewEnglandSC

Northwest
7230 South 227 Place
Kent, WA 98032
Phone: 253-872-8174   Fax: 253-872-0121
assaabloydss.com/NorthwestSC

Rocky Mountain
3650 Fraser Street, Unit D
Aurora, CO 80011
Phone: 303-371-0847   Fax: 303-371-3023
assaabloydss.com/RockyMountainSC

South Central
2855 Marquis Drive, Suite 190
Garland, TX 75042
Phone: 972-272-0271   Fax: 972-272-7829
assaabloydss.com/SouthCentralSC

Southeast
825 Riverside Parkway, Suite 100
Austell, GA 30168
Phone: 770-941-9012   Fax: 770-941-9123
assaabloydss.com/SoutheastSC

Southwest
5678 Concours Street
Ontario, CA 91764
Phone: (909) 593-2100   Fax: (909) 593-2500
assaabloydss.com/SouthwestSC
CURRIES Programs and Services

CURRIES is devoted to the manufacture, service, and continuous improvement of commercial steel doors and frames. As part of our commitment to customer service, CURRIES provides many different support services to our distributor network assuring the finest product support program in the industry. CURRIES programs provide our customers with unequaled service and delivery coordination.

More information on these services can be found on our website at www.curries.com.

CURRIES Cut and Notch
CURRIES Estimating Services
CURRIES Order Writing (COW)
CURRIES Trans-Shipping
EDSS PRO-TECH® and Elevation Power®
Personalized Stock Order Forms

Pool Shipping
Project Services
Quick Ship Doors and Frames
Swift Pac
CURRIES doors and frames are naturally green because of the high recycled content in the steel that’s used. Each CURRIES door and frame contributes LEED credits MR4.1 and MR4.2. With the award-winning factory sustainability practices, CURRIES’ commitment to the environment is evident.

Sustainability Practices

- Distilling and reusing solvents
- Filtering used lubricants and reusing them in other processes
- Polystyrene core remnants are collected and recycled
- Wood scraps are collected and shredded into mulch
- High-solids paints are used to minimize factory air emissions
- Engineered packaging to minimize amount required
- Offering regional transshipping and transwelding, reducing fuel usage by freight companies.

GreenCircle and ISO 14001 Certified

As today’s consumers become more informed, there is an increasing demand for honesty and integrity from product suppliers like CURRIES. Third-party certification of sustainability claims is essential in establishing credibility and developing consumer confidence.

- Carbon Footprint Reduction Facility - 5%
  (Carbon Footprint Reduction includes Scope 1 emissions)
- Energy Usage Reduction - 2%
- Waste Diversion from Landfill - 96%
  (Includes both hazardous and non-hazardous waste streams)
- ISO 14001:2015 Certified
Declare

Declare is a voluntary self-disclosure program aiming to transform the building materials industry towards healthier and more ecological products through ingredient transparency. Participating in Declare means this product has voluntarily self-disclosed all ingredients in order to promote transparency.

Environmental Product Declaration (EPD)

An EPD is a verified document that reports environmental data of products based on life cycle assessment (LCA) and other relevant information and in accordance with the international standard ISO 14025 (Type III Environmental Declarations).

An important aspect of EPD® is to provide the basis of a fair comparison of products and services by its environmental performance. EPDs can reflect the continuous environmental improvement of products and services over time and are able to communicate and add up relevant environmental information along a product’s supply chain.

UL GREENGUARD Certification

ASSA ABLOY Group brands offer doors and frames certified to the GREenguard 2818 indoor air quality standard as well as the more stringent GREenguard Gold Standard (formerly GREenguard Children & Schools), helping ensure that the air you breathe in a building will be healthy and fresh.

Our doors and frames are GREenguard tested to meet the VOC testing requirements of LEED, CALGreen, International Green Construction Code and ASHRAE 189.1 and Collaborative for High Performance Schools.

Health Product Declaration (HPD)

After more than a year of development, green building industry leaders have released the Health Product Declaration (HPD) Open Standard Version 1, an open standard format for reporting contents and chemical hazards in building products.

The Living Building Challenge (LBC)

The Living Building Challenge (LBC) is an international sustainable building certification program created by the International Living Future Institute in 2006. LBC is a certification program that promotes the most advanced measurement of sustainability in the built environment for both new construction and renovation. ASSA ABLOY Door Group supports the Living Building Challenge process and uses our Declare labels to show that we meet the LBC Red List of chemicals to avoid. ASSA ABLOY Door Group solutions are the only products in our categories that meet the needs of the LBC / Declare program, identifying and clearly disclosing product ingredients and chemicals contained in our product. ASSA ABLOY Americas fully supports avoiding the use of Red List chemicals and will continue to act responsibly to ensure that our products meet the needs of our customers, while protecting them and our environment.

ASSA ABLOY is committed to sustainability by reducing its environmental impacts through developing smarter products incorporating innovative materials, advanced designs and production methods. The results of these efforts are third-party verified to add a level of accountability to our sustainability claims and helps us tell our sustainability story while providing a benchmark for ongoing improvement.
Door Configurations
• Single flush door systems available from STC 32 to STC 66
• Single factory glazed doors available from STC 32 to STC 52
• Flush pairs available from STC 32 to STC 49
• Single embossed panel doors available from STC 32 to STC 48
• Pairs with glazing available from STC 32 to STC 47
• All doors tested in fully operable conditions
• Seals, thresholds and door bottoms (as required) will be drop shipped to designated address
• UL or WH fire labeling up to 3 hours (varies per STC rating)

Frame Configurations
• 16 or 14 gauge cold rolled or galvanal steel
• 4-1/8” through 14” depths
• Welded corners

Locks
• 161 cylindrical locks (backset min. varies per STC rating)
• 86 edge mortise locks with escutcheon or sectional trims
• Surface and flush bolts on inactive leaves (STC 41-49 pair)
• Rim panic and surface mounted vertical rod exit devices
• Military/Government spindal locks (STC 50 maximum)

Hinges
• Standard 4.5 x .134
• Heavyweight and 5” optional
• Cam-lift hinges optional

CURRIES Quiet Noise Doors
Using the latest revolutionary technology, patented designs and utilizing light weight sound absorbing techniques, CURRIES Engineers have developed acoustical assemblies to solve the noise solution for any facility.

High STC ratings are typically needed to create sound resistant rooms for the government/military, airports, school band rooms and to isolate performance halls from exterior noise. Relatively lower STC ratings will usually suffice for less demanding applications, such as solving a noise problem in a hotel or office building. Quiet Noise covers the low to high STC range allowing them to be the solution for almost any application.

Quiet Noise Advantages
CURRIES Quiet Noise Doors have many advantages over other sound door products in the market.
• Wide range of operable STC ratings from 31 to 66
• 4 to 6 week standard leadtimes
• Competitive pricing including door, frame and all sealing hardware
• STC 50-55 door assemblies are 30% lighter than most sound doors in the market allowing standard weight hinges to be used
• All door cores are lead and asbestos free
• STC 32-54 are 1-3/4” thick instead of 2-1/4” or larger like other sound doors in the market
• Cam-lift hinges not required but optional
• Door assemblies can be pre-wired with Electrolynx snap-together connectors to make adding or upgrading electrified openings easy
• Most door assemblies are UL or WH fire rated
• Quiet Noise Doors can help achieve LEED requirements for sound and recycled content
• Thresholds are ADA compliant
Installation Solutions

Sidelight Installation Made Easy

A common problem with the installation of a sidelight opening in buildings is transporting the complete frame unit to the opening. CURRIES is pleased to announce the CURRIES KD SideLight. This is a drywall sidelight unit that can be assembled and installed at the opening without having to weld the frame pieces together and transport them to various levels of a building. There are no more concerns of fitting the welded frame in the elevator or through doorways of a building. The CURRIES KD SideLight is designed to use common hand tools for installation in a matter of minutes in a rough opening. The complete frame bundle can be carried to the specified opening and installed in a very short time, saving both labor and transportation cost.

The CURRIES KD SideLight Frame is also available in any of the CURRIES factory painted prefinish colors along with any of the pantone colors.

See how easy it is to install the CURRIES KD SideLight frame, visit the CURRIES website or the BILT App and view a quick installation video.

Factory Installed Glass – Save Time, Money and Problems

CURRIES adds yet another option for its wide selection of commercial doors. Installation of doors at a jobsite involves coordinating many different skills and trades. Making sure everyone has the correct parts needed to complete the job within the construction schedule, is a major task. CURRIES offers the option of eliminating one step in the installation process. When the glass is installed at CURRIES, it eliminates the worries of coordinating the glass into the proper door at the right time. CURRIES will make sure the proper rated glass and glazing material is used to conform to the newest building codes for both fire and safety. Installing a door with the glass installed saves time, and time equals money. Combining factory installed glass with factory prefinished doors, is the perfect way to help contractors achieve tight construction schedules.

Consider CURRIES doors with the glass installed for your next project.

ElectroLynx®

ElectroLynx is an ASSA ABLOY system of universal plug-in connectors and standardized color-coded wiring that makes installation of electrified openings a snap. Doors and hardware are prewired with plug-in connectors that snap together to create a fully wired opening. The plugs and wires are concealed to preserve the aesthetics of the opening and facilitate future hardware changes. For more information, visit www.assaabloydss.com/products.
Create Lasting Beauty and Durability

CURRIES is one of the few manufacturers with the capability to deliver both custom and standard commercial grade factory prefinished doors and frames. With a CURRIES prefinished product, a building's project manager has more flexibility to complete the job correctly and on schedule.

The CURRIES prefinish is extremely durable and is factory applied in a controlled environment to ensure consistent and high quality results. The beauty of the finish cannot be matched by application of coatings at the job-site.

Factory Prefinished Doors and Frames

Superior Coverage and Durability
The coating applied at the factory is controlled and offers uniform coverage resulting in a smoother finish free of impurities.

Green Solution
Compliance with LEED EQ.4.1 and 4.2 for VOC levels at the job-site. Waste and solvent disposal is controlled at the factory and meet all of the requirements of the EPA.

Cleaner
Less mess and clean-up at the job-site and can be installed later in the construction process.

Lower Cost
Factory finishing is more efficient than job-site preparation and painting.

Faster
Faster project completion as the painting process at the jobsite has been eliminated.

Better
The factory electrostatic painting process is superior to field sprayed, rolled, or brushed on applications used at the job-site.

Test Standards
Meets ANSI A250.3 test procedure for acceptance criteria for steel doors and frames factory applied finished coatings. HAP (Hazardous Air Pollutant) free.

The color designers at PPG have selected 25 top color recommendations that complement the designs used by many architects and end users. Custom color matching also available.

Contact your customer service representative for a color sample brochure.
CURRIStain®

CURRIStain combines the beauty of wood with the durability of steel. CURRIES 707 and 727 Series doors are available with steel faces that contain a wood-grained .005" deep embossment pattern in the steel. Doors are factory prime painted and stained (six standard color finishes available) to produce a door face similar in appearance to wood yet with the same strength and durability of steel. Products may be fire listed according to the appropriate door series construction.

High Definition Embossed One and Two Panel Door

The CURRIES High Definition One and Two Panel Embossed door proves that a steel door does not have to be dull. The sharp panel radius along with increased shadow detail makes the CURRIES High Definition Panel door a clear choice in adding elegance to any opening.

the good design studio

The Good Design Studio is your partner in the pursuit of Good Design and the Total Aesthetic Opening; beautiful doors, frames and hardware from the ASSA ABLOY Group companies.

Visit www.thegooddesignstudio.com or call 877-217-0897 to learn more.
Stainless Steel - Elegant, Beautiful, and Corrosion Resistant

Stainless Steel doors and frames can add a touch of elegance to building openings. The sleek and clean look of stainless steel is perfect for Casino’s, Museums, and other classic applications.

Stainless Steel doors and frames have one other significant advantage to building owners, corrosion protection. CURRIES stainless steel doors and frames are the perfect solution for clean room environments and areas susceptible to moisture.

Key features of CURRIES Stainless Steel Products:

- Type 304 and 316 stainless steel with:
  #4 brushed satin
  #6 fine satin
  #8 mirror
  2B mill (paint grade)
  XLB XL blend
- Easy to maintain
- Long term strength and durability
- Continuously welded seamless edges on doors are key to corrosive environments
- Up to 3 hour fire rating available
- Frames available with welded corners or Knock Down construction
- Doors available with 18 gauge seamless edge

Where to use:

**Corrosion Protection**
- Clean rooms
- Food processing areas
- Hospitals and clinics
- Laboratories
- Swimming pool areas
- Waste water treatment plants

**Decorative Applications**
- Hotel Lobby
- Airport Terminals
- Casino’s
- Office Buildings
- Museums
Energy Efficient Solutions

Ensure Better Performing Buildings with CURRIES Weatherized Doors and Frames

Mercury Energy Efficient Door and Thermal Break Frame

The Mercury Energy Efficient Door paired with the Mercury Thermal Break frame provides R-value/U-factor and air leakage performance rates that meet or exceed ASHRAE 189.1, IGCC, ASHRAE 90.1, and NFRC standards while incorporating a new polyurethane foam formulation that is more sustainable. The Mercury door opening solution provides economical energy savings while improving CURRIES protection of the environment.

CURRIES Mercury thermal break frame is an energy efficient frame that incorporates a bonded thermal break with a Pemko S44 compression type weather-stripping. The new frame design is priced up to 10% less that the previous design from the factory and soon will be available for pickup at select ASSA ABLOY regional service centers.

The Mercury thermal break (MTB) frame has been independently tested for thermal performance with the Mercury Door U-Factor of (0.37), in accordance with NFRC 102-2014 and ASTM test methods and resistance to air infiltration with the Mercury Door (0.1 cfm sq ft), in accordance with NFRC 400 and ASTM test methods.

In addition to thermal performance, frost and condensation on the interior door frame face are significantly reduced with a thermal break frame. This is accomplished with a true thermally broken frame profile and delivers maximum protection against cold penetration through conduction. Mullions used in hollow metal transom/sidelite and borrowed-lite frames feature the same new thermal break design.

CURRISeal Kerf Frames

Prohibits the loss of heat from escaping between the door and frame.

Polyurethane Core Doors

Doors with Polyurethane core have outstanding thermal properties to provide complete resistance to the harshest winds that mother nature can create.
Energy Efficient Solutions

Strong, Energy Efficient Doorways In Any Weather Condition

Approximately 40% of all energy leakage comes from the building envelope* this includes exterior doorways. Trio-E doors installed with CURRIES Thermal Break frames and Pemko Thermal Barrier Saddles help increase thermal retention and reduce energy leakage.

Trio-E delivers superior insulated values and strength plus, provides aesthetic qualities desired in today’s commercial building applications. The “E” is for energy efficiency and Trio-E has the lowest U-Factor (0.36) for a steel stiffened door in the market today. The U-Factor of 0.36 was achieved in an operable condition (ASTM1363) using the CURRIES Mercury Thermal Break and Pemko 273x3AFG Thermal Barrier Saddle. The Trio-E will provide years of strength and sustainable energy savings for any building.

CURRIES doors do not have to sacrifice strength in order to achieve insulating performance. For example, CURRIES Trio-E has been certified to a design pressure of +/-100 psf with a hurricane rated opening.

*Tony Woods, Air Tight Buildings, 2005
Life-Safety Solutions

Attack Resistant Opening

Using standard Curries doors and frames equipped with School Guard Glass™ SG5™ attack resistant glazing and SARGENT hardware has been third party tested to withstand a brutal physical attack from an intruder for over 4 minutes. This extra time keeps occupants safe until first responders can neutralize the threat. The combination of Curries Door and School Guard Glass provides easy and affordable retro-fitting to tighten the security of existing openings.

5-aa10 test standard sets requirements and testing methods to certify forced entry and ballistic systems. This test 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 framing systems, and borrowed lights.

The door and glass will not stop a bullet. However, the opening will not weaken and will stay intact if shot at and physically attacked for at least 4 minutes.

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

Behavioral Healthcare Patient Room Access Door

The Patient Room Access Door has the security and dependability required for healthcare facilities, yet is beautiful enough for healing environments. Intended to give caretakers or authorized person access to patient’s room in case of an emergency and maintain the security needed for the facility.

The main door has the functionality of a standard in swing patient room door. The inner door can open to the corridor giving authorized personnel quick access to the patient’s room. The ligature resistant design of the door is a key feature of the construction.

Accepted by the New York State Office of Mental Health
Life-Safety Solutions

Blast Resistant Opening

CURRIES has developed Blast Resistant Opening Solutions to meet US 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 up to 100 psi of the Department of Defense, Department of State, Department of Homeland Security and other regulatory groups.

CURRIES is able to provide Blast Resistant doors and frames with a number of options including glazed doors, borrowed lites, transoms, and pairs with increased requirements to meet UL Government, Military, and Embassy safety and security objectives for blast resistance.

Bullet Resistant Assembly

CURRIES offers a bullet resistant door/frame assembly that can provide protection to meet stringent UL standards. The 737 Series door and bullet resistant frame meets UL Test 752, Level 1-10.

CURRIES door and frame assemblies, supplied with the appropriate hardware, will meet most job requirements for security and protection. Openings must be supplied as a complete unit with factory welded frame, door, and hardware. Contact factory for list of approved hardware.

Other options available.

E119 Fire Resistive Frame Solution

CURRIES is pleased to partner with Vetrotech, a Saint-Gobain company, to provide the E119 Fire Resistive Frame Solution that has been tested and certified to ASTM E119, UL 263 and NFPA 251. The E119 Fire Resistive Frame Solution also meets the International Building Code for fire resistive rated frame requirements. Fire resistive rated frames and glazing blocks the passage of flames and also blocks the passage of excessive radiant heat and hot gases. This type of product is required by code for transom sidelight and fire window frames with greater than a 45 minute rating or where the glazed area exceeds 25% of the wall area.
Forced Entry Bullet Resistant Assembly

The Forced Entry Bullet Resistant Assembly (FEBR) from Curries 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). The ASSA ABLOY FEBR assembly is tested to withstand 15 minutes of simulated “mob” attack and resistant to 5.56 M193, 5.56 M855 and 7.62 M80 ballistic rounds (UL752 Level 8 bullet resistant).

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

Other options available.

RF Shielded Assembly

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. CURRIES Door RF Shielding Opening is the safe and easy RF door solution.

CURRIES’ RF openings have been third party tested in accordance with NSA-94-106, providing greater than 40 decibels (dB) shielding attenuation for electric fields over the 10 kHz to 10 GHz frequency range. Conductive perimeter seals, Pemko threshold and caulk are included with each assembly.
Severe Weather Solutions

Hurricane Resistant

CURRIES Hurricane resistant products have been tested to the wind load requirements defined in the International Building Code (IBC), the Florida Building Code (FBC), and approval by the Florida Building Commission. Products have been certified by Dade County Product Control, Intertek, and/or Underwriters Laboratories. Assemblies are tested for design pressures, impact resistance, glass and glazing materials, and specific commercial hardware applications.

CURRIES doors have achieved various levels of performance listings. Flush series frames dominate the criteria used in cement block walls to withstand the forces applied to the assemblies. Products intended for use in steel studded and wood frames are also available. CURRIES also offers a fire rated impact glazing option for both exterior doors and frames. CURRIES will provide the glass with the doors and frames to help ensure that products provided to the project meet the code requirements.

Tornado Resistant

StormPro® 361
The International Code Council (ICC) 500-2014 standard defines the construction requirements for safe rooms in order to provide inhabitants protection from tornadoes, hurricanes, and straight line winds.

- StormPro 361 assemblies have been successfully tested in accordance with ICC 500-2014, and met all performance criteria as set forth by the standard. Opening sizes are available from 3’0” x 7’0” to 4’0” x 8’0” single, 6’0” x 7’0” to 8’0” x 8’0” pairs.
- StormPro frames are available 14-gauge A60 galvanneal steel, unequal rabbet, and 2” or 4” face heads.
- Preparation for approved multi-point locks and exit devices by SARGENT or Corbin Russwin for Storm Pro 361 products are included as specified.

StormPro® 320
- Storm Pro 320 assemblies have been successfully tested in accordance with ICC500-2014, and have met performance criteria as set forth by the standard.
- Doors are available with flush face or 10” x 10” glazed window from 2’8” x 6’8” to 3’0” x 7’0” with 14-gauge steel.
- The assembly requires 1-1/2 pair of 4-1/2 x 4-1/2 heavy weight stainless steel McKinney hinges, one SARGENT 10 line lock with 808 stainless strike, and three Medeco Maxum deadbolts (commercial). The assembly is certified by UL.

StormPro® Tornado Shutter
- The StormPro Shutter is designed for safe rooms that require natural lighting from windows during normal, non-threatening conditions.
- StormPro Window Shutter Systems include a three or four sided StormPro frame unit with StormPro door and hardware.
- The units are installed inside the room in front of conventional exterior windows.
- Opening sizes range from 2’6” x 3’0” to 4’0” x 6’8” singles, 5’0” x 4’0” to 8’0” x 6’8” pairs.
- When a severe weather threat occurs, the StormPro Window Shutter is closed creating a safe shelter environment.

Testing
- StormPro Assemblies Meet UL Certification for Fire, ICC 500 and FEMA Guidelines
- StormPro assemblies may be fire rated for 3 hours and are certified to ICC 500 - 2014.
- StormPro assemblies also meet FEMA P361 (2015) and FEMA P320 (2014) guidelines

For more information about Hurricane and Tornado products see the Hurricane and Tornado guides in the Partners Area of the CURRIES website. www.curries.com
CURRIES offers a complete line of composite type hollow metal doors in face sheet gauges ranging from 20 to 14. All CURRIES 607 and 707 Series doors are insulated as standard with fully bonded, durable polystyrene (optional polyurethane) cores.

The 727 Series Temperature Rise doors offer the maximum in fire and life safety as they feature either 250°F (121°C) or 450°F (232°C) ratings. Fire ratings are available from 20 minutes through 3 hours.

CURRIES composite type doors have been tested to out-perform all test criteria available for physical endurance. The combined durability and variety of options available make these doors a popular choice for any application.

607 Series
- Insulated Polystyrene Core
- 1-3/4 Inches Thick
- 18 Gauge Top & Bottom Channels
- 20 or 18 Gauge Face Skins
- Available sizes from 2068 to 4070
- Fire Rated up to 3 Hours
- Rugged Perimeter Channel Construction

707 Series
- Available with Embossed Panels
- Insulated Polystyrene and Honeycomb Core (optional Polyurethane Core)
- 1-3/8 or 1-3/4 Inches Thick
- Polystyrene R-Factor - 6.37
- Polyurethane R-Factor - 10.04
- 16 Gauge Top & Bottom Channels
- 20, 18, 16 or 14 Gauge Face Skins
- Fire Rated up to 3 Hours
- Rugged Perimeter Channel Construction
- Sizes from 2068 to 50100
- Versatile and Dependable

727 Series
- Temperature Rise Rated (250 degrees)
- 1-3/4 Inches Thick
- 12 Gauge Top Channel
- 16 Gauge Bottom Channel
- Mineral Fire Door Core
- Fire Rated up to 3 Hours
- Sizes from 2068 to 4080
- Rugged Perimeter Channel Construction

737 Series
- Bullet Resistant up to Level 8
- 1-7/8 Inches Thick
- 16 Gauge Top & Bottom Channels
- Polystyrene Core
- 16 or 14 Gauge Bullet Resistant Plated Face Skin
- Fire Rated up to 3 Hours
- Sizes up to 40100 Max
- Rugged Perimeter Channel Construction
Steel Stiffened

CURRIES steel stiffened doors are designed with the combination of perimeter steel channels and core stiffeners to offer the industry’s largest selection and most reliable and durable construction. They are used in areas where optimum security and susceptibility to vandalism or break-in are of paramount concern.

CURRIES 747, 757, 777 (Trio), 777E (Trio-E), 847, and 857 Series doors offer a range of products suited for commercial security uses. Trio and Trio-E is a fusion of composite and steel stiffened core to create a new patent pending laminated core. 777 (Trio) contains all of the aesthetic and insulating benefits of a CURRIES composite core door but with the added strength of being steel stiffened. 777E (Trio-E) is a patented door design that delivers superior insulated values and strength plus, provides aesthetic qualities desired in today’s commercial building applications. The “E” is for energy efficiency and

The new 797 (Mercury) door and frame system has been independently tested for thermal performance (U value of 0.37) in accordance with NFRC 102-2014 and ASTM test methods. The door and frame system was also tested for resistance to air infiltration with (0.10 cfm/sq ft) in accordance with NFRC 400-2014 and ASTM test methods.

See the door section of the Curries technical manual in the Partners Area of the CURRIES website for more information about available door series, core constructions and options at www.curries.com

Steel Stiffened Door Details

747 Series
- 16 Gauge Top & Bottom Channels
- 1-3/4 Inches Thick
- 22 Gauge Stiffeners
- (20, 18, 16, 14 gauge optional)
- Fiberglass Insulation between Stiffeners
- 18, 16 or 14 Gauge Face Skins
- Fire Rated up to 3 Hours
- Sizes from 2068 to 50100
- Rugged Perimeter Channel Construction

757 (STC) Series
- Wide range of operable STC ratings from 32 to 66
- Competitive pricing including door, frame and all sealing hardware
- All door cores are lead and asbestos free
- 14 or 16 Gauge Face Skins
- Fire Rated up to 3 Hours
- Quiet Noise Doors can help achieve LEED requirements for sound and recycled content

777 (Trio) and 777E (Trio-E) Series
- Standard Fiberglass Insulation (777)
- Standard Polyurethane Insulation (777E)
- 16 Gauge Top & Bottom Channels
- 1-3/4 Inches Thick
- 22 Gauge Stiffeners
- 18, 16 or 14 Gauge Face Skins
- Fire Rated up to 3 Hours
- Sizes from 2068 to 4080
- Interlock Seam Construction

847 Series
- Meets Commercial Security Specifications
- 1-3/4 Inches Thick
- 18 Gauge stiffeners (16 gauge optional)
- 16 Gauge Top & Bottom Channels
- Fiberglass Insulated Between Stiffeners
- 14 Gauge Face Skins
- Fire Rated up to 3 Hours
- Sizes from 2068 to 50100
- Rugged Perimeter Channel Construction

857 Series
- Meets Commercial Security Specifications
- 2 Inches Thick
- 18 Gauge stiffeners (16 gauge optional)
- 14 Gauge / Plus Flush Prep or 16 Gauge Top Channel
- 14 Gauge Bottom Channel
- Fiberglass Insulated Between Stiffeners
- 4” Stiffener Spacing
- 14 Gauge Face Skins
- Fire Rated up to 3 Hours
- Sizes from 2068 to 4080
- Rugged Perimeter Channel Construction

797 (Mercury) Series
- Maximum 40 to 90 singles and 80 to 90 pairs
- 18 to 14 gauge cold rolled or zinc coated steel face sheets
- Embossed panel face sheet options
- Fire rated up to 3 hours UL10C and UL10B
- (40 x 70 and 60 x 70 max size)
- Tested to NFRC 102-2014 thermal standard and and NFRC 400 air performance standard
- EPD / HPD documentation submitted to UL Environment - GreenCircle
- GREENGUARD Gold Certified
Door Details

Door Selection Faces

F  FV  FNV  FNV1  FNV3  F2NV  3FNV

HG  HG2*  HG4*  HG9*  FG  FG2  FG4

FRV  FL  F2L  FGL  HGL  FD  1P

2P  2PHG  2PA  2PAP  E6  E8  E6HG

*1/4” (6) glass only.
Masonry Frames

CURRIES offers a complete line of flush frames that are available in 18, 16, 14, and 12 gauge cold-rolled or galvannealed steel and also in 16 or 14 gauge stainless steel. Frames can be knocked down or welded at the miters and ground smooth. The 12 gauge frames are saw miter welded or butt end welded corner construction only. They are available for either 1-3/8” (35) or 1-3/4” (44) thick doors. CURRIES frames are manufactured for all wall conditions such as masonry, steel stud, wood stud, and poured concrete.

Frame Face Variables

- CURRIES offers pre-engineered, knock-down (KD) flush frames with face dimensions of 1” (25) through 4” (102) in 1/8” (3) increments
- Frame return variables from 7/16” (11) through 1” (25)
- Non-door rabbet variables from 5/8” (16) through 6” (152)
- Standard and non-standard frame sizes are available to match door sizes in any combination of singles or pairs

The frames are manufactured by CURRIES in Mason City, Iowa. They need to be M Series and fabricated of either cold-rolled or galvannealed steel (as specified) in 18, 16, or 14 gauge. The joints need to be die-mitered with integral tabs for reinforcement and interlocking of the jambs to the head. The 12 gauge frames are saw miter or butt end corner construction and shall be welded. Frames shall be thoroughly cleaned and receive an iron phosphate treatment prior to receiving one coat of baked-on prime paint. Frames are to be reinforced only for surface mounted hardware, and the drilling and tapping to be done by others in the field. Metal plaster guards are to be provided for all mortise cutouts. Minimum requirements for hardware reinforcements are to be as follows:

- Hinge Reinforcing-7 gauge
- Lock Strike Reinforcing-14 gauge and conforming to template requirements
- Closer reinforcing-14 gauge
Drywall Frames

CURRIES Drywall frames are available in 18, 16, or 14 gauge cold-rolled steel or galvanized steel. The frames are constructed with a rigid corner providing clean, sharp lines along with fine miter lines on all joints. They are designed to go into an opening after the wall is in place, accommodating virtually any wall thickness. Frames receive a factory baked-on coat of rust inhibitive primer but are also available with factory baked-on enamel. The color match is available upon request. The frames can be used in drywall construction using steel studs, wood studs, or laminated boards. Frames are available for either 1-3/8” (35) or 1-3/4” (44) thick doors with a 2” (51) face.

- Narrow Face Frames: CURRIES offers pre-engineered, knock-down (KD) drywall frames with face dimensions of 1-1/2” (38) or 1-3/4” (44).
- Frame sizes are available to match door sizes in any combination of singles or pairs. Non-standard width or height frames are available on special order. Double-rabbet profiles are available with 4” (102) face heads.

Compression Type Anchor Drywall Frame - C Series

The frames are manufactured by CURRIES in Mason City, Iowa. The frames shall be C Series and fabricated of either cold rolled or galvannealed steel (as specified) in 18, 16, or 14 gauge. Frames shall be knockdown and double return back bend (to prevent cutting into the wall), flush hairline seam miter at the corner of the head and the jamb, and the corner reinforced with a concealed clip. Each jamb is to have one compression anchor to securely hold the frame between the studs and also maintain proper alignment. Frames shall be thoroughly cleaned and receive an iron phosphate treatment prior to receiving one coat of baked-on prime paint. Frames are to be reinforced only for surface mounted hardware, with drilling and tapping to be done by others in the field. Minimum requirements for hardware reinforcements are to be follows:

- Hinge Reinforcing-7 gauge
- Lock Strike Reinforcing-14 gauge, conforming to template requirements
- Closer reinforcing-14 gauge.

Stud Type Anchor Drywall Frame - CM Series

The frames are manufactured by CURRIES in Mason City, Iowa. The frames shall be CM Series and fabricated of either cold rolled or galvannealed steel (as specified) in either 18, 16, or 14 gauge. Frames shall be welded corner construction and double return back bend (to prevent cutting into the wallboard). Frames are available with standard anchors and no compression anchor. Frames shall be thoroughly cleaned and receive an iron phosphate treatment prior to receiving one coat of baked-on prime paint. Frames are to be reinforced only for surface mounted hardware, with drilling and tapping to be done by others in the field. Metal plaster guards are to be provided for all mortise cutouts. Minimum requirements for hardware reinforcements are to be as follows:

- Hinge Reinforcing-7 gauge
- Lock Strike Reinforcing-14 gauge, conforming to template requirements
- Closer reinforcing-14 gauge.
C Frame Installation Details

1. Construct wall with rough opening height equal to finished opening height plus 3/4” to 1” max. Rough opening width is as follows:
   a) For 2” face frames—opening width plus 2-1/8” to 2-3/8”
   b) For 1-3/4” and 1-1/2” face frames—opening width plus 2”

2. Bottom of frame must set on a solid surface.

3. If wrap around base anchor is used, notch drywall in that area.

4. Retract compression bars in the jambs by turning screws counter clockwise and install one jamb in position on wall.

5. Insert frame head under the corner clips of the jamb and raise the head into position.

6. Insert the corner clips of the remaining jamb into the opposite end of the head and position jamb on wall.

7. Locate a removable frame bar at sill of the frame to maintain proper opening width during installation.

8. Level, square and plumb frame and install base anchor screws through countersunk holes in frame face and into floor plate.

9. Square top of frame and tighten compression bars by turning screws clockwise. (Do not overtighten).

10. Install (4) No. 8 x 1/2 sheet metal screws at the corners of the head to attach head to jambs. (Mandatory for fire rated frames).
Specialty Frame Details

CURRIEseal Kerf Frames

Weather-Stripped frames provide best draft control available (for energy efficiency), and provides you with a high quality, functional, aesthetically pleasing opening.

- 18 and 16 gage steel
- Kerf pocket with compression weatherstrip
- Fire label: up to three hours (UL10B and UL10C)
  - Underwriters Laboratories (Applied or Embossed)
  - Warnock Hersey (Applied or Embossed)
  - Factory Manual (Applied only)

Single Return Kerf Masonry Frame - WM Series

Masonry frames shall be WM Series as manufactured by CURRIES in Mason City, Iowa. Frames are to be fabricated of either cold rolled or galvannealed steel (as specified) in 16 or 14 gauge. Frames shall have a 1/8" (3) integral kerf formed into the frame soffit to receive CURRIES listed gasket sets. Joints are to be die-mitered with integral tabs for reinforcement, and the interlocking of the jambs to the head, frame or corners, shall be full saw miter or saw butt end and have factory welded corners. Frames comply with NFPA 105 Smoke and Draft Control Door Assemblies, UL 1784 Air Leakage Test of Door Assemblies, ASTM E-283 Air Infiltration, and UBC 3305 Air Leakage Test of Door Assemblies. They can be UL listed fire door frames up to and including 3 hour ratings. Frames shall be thoroughly cleaned and receive an iron phosphate treatment prior to receiving one coat of baked-on prime paint. Frames are to be reinforced only for surface mounted hardware, with drilling and tapping to be done by others in the field. Metal plaster guards are to be provided for all mortise cutouts. Minimum requirements for hardware reinforcements are to be as follows:

  Hinge Reinforcing: 7 gauge
  Lock Strike Reinforcing: 14 gauge, conforming to template requirements
  Closer Reinforcing: 14 gauge.

All hardware must be compatible with CURRIES listing for this product.

Single Return Kerf Drywall Frame - WC Series

Frames shall be WC Series as manufactured by CURRIES in Mason City, Iowa. Frames are to be fabricated of either cold rolled or galvannealed steel (as specified) in 18, 16, or 14 gauge. Frames shall have a 1/8" (3) integral kerf formed into the frame soffit to receive CURRIES listed gasket sets. Frames shall be knockdown, double return back bend (to prevent cutting into the wall) flush hairline seam miter at the corner of the head and the jamb, and the corner reinforced with a concealed clip. Each jamb is to have one compression anchor to securely hold the frame between the studs and also maintain proper alignment. Frames comply with NFPA 105 Smoke and Draft Control Door Assemblies, UL 1784 Air Leakage Test of Door Assemblies, ASTM E-283 Air Infiltration, and UBC 3305 Air Leakage Test of Door Assemblies. They can be UL listed fire door frames up to and including 3 hour ratings. Frames shall be thoroughly cleaned and receive an iron phosphate treatment prior to receiving one coat of baked-on prime paint. Frames are to be reinforced only for surface mounted hardware with drilling and tapping to be done by others in the field. Minimum requirements for hardware reinforcements are to be as follows:

  Hinge Reinforcing: 7 gauge
  Lock Strike Reinforcing: 14 gauge, conforming to template requirements
  Closer Reinforcing: 14 gauge.

All hardware must be compatible with CURRIES listing for this product.
Specialty Frame Details

Custom Profiles

Custom Frames

Combinations or modifications of designs shown are available to meet job requirements. Frames are available in cold-rolled steel, galvannealed, or stainless steel. Jamb depths, face dimensions, stop height, and return length can vary with the job requirements. Frames are fully saw mitered and welded. Custom frame material is welded locally by our distributors, thereby eliminating costly delays and damage in shipment.

Double Egress Frames

These frames are designed to permit a means of egress in two directions without a vertical mullion. They are ideally suited to schools, hospitals, and nursing homes where traffic control is crucial. The unit is available either labeled or non-labeled.

Lead Lined Frames

Lead lining is furnished by the X-ray contractor. Frames will be provided with clips to retain lead and need to be installed by others. When used with lead-lined doors, it ensures complete X-ray protection. When specified, struts welded to the jambs and extended to the slab above provide more rigid anchorage.

Mercury Thermal Break Frames

Curries Mercury thermal break frame is an energy efficient frame that incorporates a bonded thermal break with a Pemko S44 compression type weather-stripping. The new frame design is priced up to 10% less that the previous design from the factory.

The Mercury thermal break (MTB) frame has been independently tested for thermal performance with the Mercury Door U-Factor of (0.37), in accordance with NFRC 102-2014 and ASTM test methods and resistance to air infiltration with the Mercury Door (0.1 cfm sq ft), in accordance with NFRC 400 and ASTM test methods.

In addition to thermal performance, frost and condensation on the interior door frame face are significantly reduced with a thermal break frame. This is accomplished with a true thermally broken frame profile and delivers maximum protection against cold penetration through conduction. Mullions used in hollow metal transom, sidelite, and borrowed light frames feature the same new thermal break design.