



STEEL DOORS AND FRAMES

Bringing Success To Your Door



Custom Orders



Industry Leading Customer Service



Nationwide Network of Service Centers

Introduction

CURRIES

www.curries.com



CURRIES is strongly committed to providing our customers with the highest quality hollow metal products and the best delivery times.

JERRY CURRIE
President and CEO
CURRIES



To meet the multitude of doorway needs in the non-residential construction industry, CURRIES manufactures a wide range of hollow metal doors and frames for interior and exterior use. The Mason City, Iowa-based company is considered the most progressive manufacturer in its field. With combined door and frame manufacturing plants totaling 456,000 square feet, CURRIES has one of the largest production facilities in the industry. The state-of-the-art manufacturing plant and shipping center facilitates a quick response on large and small custom orders. CURRIES' updated roll forming equipment is part of the technology that ensures consistent, timely products to the market.

CURRIES was established in 1958 and since 1996 has been a part of the ASSA ABLOY Group organization. The ASSA ABLOY Group is the world's leading manufacturer and supplier of locking solutions, dedicated to satisfying end-user needs for security, safety and convenience.



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For Sales, Marketing & Service Support

ASSA ABLOY Door Security Solutions

Formed by the fusion of ESSEX Industries and YSG Door Security Consultants, ASSA ABLOY Door Security Solutions offers complete life-safety and security solutions, all from a single source. Working with twelve door and hardware brands, the nationwide network of local sales teams and distributors focuses on understanding end-user needs and providing the right solutions. Support services include architectural education and specification consulting. Visit www.assaabloydss.com to learn how our philosophy of "One Source. One Focus.™" can help with your security and life-safety needs.

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

Email: Contact your local Door Security Solutions representative via e-mail by going to assaabloydss.com and clicking on "Service & Support".

NOTE: CURRIES Company has provided soft metric conversion equivalents for the majority of critical product dimensions throughout this book. The numbers listed in parenthesis next to a key dimension are metricated millimeters in accordance with the Metric Conversion Act of 1975.

www.curries.com

Visit www.curries.com for complete product information and downloadable specifications for the entire CURRIES product line. The site is updated frequently with news about timely industry-related issues. A map of the U.S. links to information on CURRIES distributors for every state.

This brochure effective as of May 2006

Steel Doors & Frames for All Interior & Exterior Applications

The quality and reliability of CURRIES doors and frames have made them 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.

CURRIES can provide most types and styles of steel doors and frames for interior or exterior use and is one of the few manufacturers able to deliver both custom and standard doors and frames on the same order. With their ability to produce uniquely designed doors and frames, CURRIES offers architects total design freedom.

Quick Ship Programs

Frames in 3 Days!

Quick Ship frames with a three day shipping schedule. Welded frames in five additional days. Includes a large selection of products. Frame Quick Ship Programs are available through the Mason City, IA factory and the Door Group Service Center in Easton, PA.

Doors in 3 Days!

Quick Ship doors with a three day shipping schedule from the Mason City, IA factory. 607, 707, and 747 door series are available with a large variety of sizes, gauges, and options.

Immediate Shipping Available!

Over 600 frame and door products are available for immediate shipment through Door Group Service Centers. Each service center has full product modification capabilities for doors and frames.

CURRIES Doors – Many Features Available

- Handed
- Non-Handed
- Bull-Nosed Edge
- Seamed Edge
- Seam-Filled Edge
- Continuous Wire Welded Edge
- Oversize Doors
- Custom Size Doors
- Rabbeted Transom Panels
- Dutch Doors
- Mono Rail Preparation
- Bi-Fold Doors
- Louvered Doors
- Insulated Glass Preparation
- Recessed Glazing
- Anchor Hinge Preparation
- Pocket Pivot Preparation
- Concealed Closer Preparation
- Mortise Lock Sectional Trim Preparation
- Recessed Vertical Rod Exit Device Preparation
- ElectroLynx Wiring System
- CURRIElum Exit Signs

Industry Leadership

CURRIES and ASSA ABLOY Door Security Solutions lead the industry with innovations for ease of product installation and life safety. The following are a couple of recent examples.

ElectroLynx technology (pre-wired doors and frames) for today's electronic hardware eliminates the hassles of jobsite wiring for hinges, locks, strikes, panic devices, etc. ASSA ABLOY Door Security Solutions hardware manufacturers' electronic products are manufactured with this innovative quick connect system. CURRIES doors and frame can be ordered prewired with the ElectroLynx system in place.

Hardwiring Made Easy™

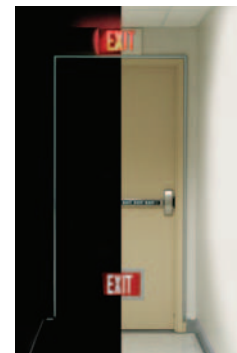


ElectroLynx™ is a trademark of ASSA ABLOY North America, Inc.

CURRIElum frames are designed with life safety products in mind which will house exit strip lighting that surrounds and illuminates exit openings. This frame system protects the perimeter lighting strip of exit door openings and includes frames that will allow the transfer of power for exit strip lighting through non exit corridor openings.

CURRIES offers frame and door preparations that are part of the ASSA ABLOY LiteGuide System. The CURRIElum Frame System augments existing exit signs by providing a highly visible light strip around the perimeter of openings designated as part of the egress pathway. The frame system design is patent pending. Options are available permitting easy and retrofittable compatibility with the E-Lume-A-Path™ (ELAP) egress marking system. Door preparations are available for 2 types of low-level exit signs on the door face, important in the event of smoky conditions.

The CURRIElum Frame System, part of the LitGuide System, is available in 5 optional packages, more detailed information is included on page 14.



CURRIE lum™

CURRIElum™ is a trademark of CURRIES Division, ASSA ABLOY Door Group, LLC.

LiteGuide™ – Leading the Way to Safety.

As part of their promise to provide innovative life safety solutions to their customers, ASSA ABLOY Group companies offer the LiteGuide system, a luminescent egress marking solution.

E-Lume-A-Path™ is a trademark of Egress Marking Systems.

Additional information can be obtained from the curries.com website.

Hollow Metal Doors

Composite

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 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 economy of these doors make them a popular choice for a variety of uses.

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. Face sheets are available in gauges from 18 to 14, with door thicknesses of both 1-3/4" (44) and 2" (51). CURRIES 747, 757, 847, and 857 Series doors offer a range of products suited for commercial security uses. STC 46 openings are available using these products.

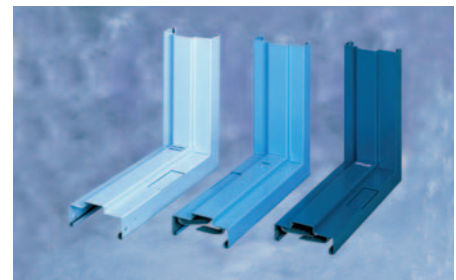
Hollow Metal Frames

Masonry/Drywall

Knock-down masonry, drywall, and multi-use frames are available from CURRIES in series, profiles, face dimensions, gauges, and door opening sizes to fit most any need in the construction industry today. In addition, CURRIES and its distributors can modify and weld frames to expand the variety of frames available even further.

CCW Frame Components

Frame components used in the building of window walls, borrowed lites, transom frames, sidelites, and other custom configurations are available in an almost limitless array, allowing total design freedom in developing aesthetically pleasing, functional units as required by the demands of today's architecture. CURRIES' capabilities in this area go well beyond the abilities of most hollow metal manufacturers.



Factory Finishing Process

Factory finished doors and frames are degreased, cleaned, phosphatized, primed, and finished with one coat of baked-on catalyzed acrylic paint. Finished paint shall have a dry film thickness of 1.0 mil, meeting ASTM D1186.

Pre-finished over-the-wall drywall frames are individually packed in cardboard cartons and marked for the opening. Doors are cardboarded.

CURRIStain™ Doors

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 has the same strength and durability of steel. Products may be fire listed according to the appropriate door series construction.



CURRIStain™
Available in six colors!



Door Group Regional Service Centers



CURRIES provides a multitude of services for their customers through a nation wide system of DOOR GROUP SERVICE CENTERS. Five regional centers stock a specialized CURRIES product inventory designed for that region of the country. Full service door and frame modification and complete frame assembly and welding of these products are available at these locations.

DOOR GROUP SERVICE CENTER, Mason City, IA
 DOOR GROUP SERVICE CENTER, Los Angeles, CA
 DOOR GROUP SERVICE CENTER, Atlanta, GA
 DOOR GROUP SERVICE CENTER, Easton, PA
 DOOR GROUP SERVICE CENTER, Seattle, WA

These centers offer same day pick up or shipping of in-stock products to all distributors.

Our Easton, PA Service Center is fully capable of manufacturing quick ship frames within that facility as well as welding the frames. Almost all of the factory capabilities can be produced at this location and shipped in a few days.

Five other locations provide full service welding of frames shipped from the CURRIES factory and also act as a “break bulk” shipping center for products

shipped into that region of the country. Cost savings from the local frame welding and bulk shipping dollars saved provide our distributors decisive advantages over the major competition plus it basically eliminates freight damaged goods. Contact CURRIES Customer Service for freight comparisons.

DOOR GROUP SERVICE CENTER, Dallas, TX
 DOOR GROUP SERVICE CENTER, Baltimore, MD
 DOOR GROUP SERVICE CENTER, Orlando, FL
 DOOR GROUP SERVICE CENTER, Hartford, CT
 DOOR GROUP SERVICE CENTER, Chicago, IL

All DOOR GROUP SERVICE CENTERS are licensed to fire label products to meet regional building codes as well. The staff is factory trained and professional in all aspects of hollow metal.

This synergy of the DOOR GROUP SERVICE CENTERS plus CURRIES quality service, quality products, quality delivery, and the CURRIES value added reputation all add up to be a very exceptional value.

Door Security Solutions Field Support

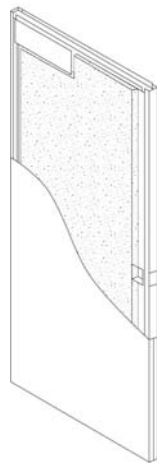
Door Security Solutions sales professionals support the nationwide network of Door Security Solutions distributors by providing exceptional product support services. Special teams of Door Security Solutions sales, architectural, and technical experts provide consulting services to architects, contractors, and building owners and managers to help ensure the best product selection for each building’s unique requirements. These Door Security Solutions professionals also provide continuous training, information and support services to Door Security Solutions distributors.

The carefully assembled nationwide network of Door Security Solutions distributors is among the most

knowledgeable and technically capable in the industry. Their value-added services include:

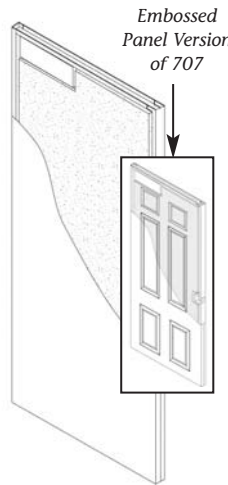
- Specification writing
- Order coordination
- Custom product modification
- Code interpretation
- Timely delivery
- Guidance for security concerns
- Scheduling
- Guidance for ADA compliance

In addition, Door Security Solutions distributors provide overall expertise on proper installation and maintenance of CURRIES doors and frames, as well as builders’ hardware and electronic products.



607 Series

- Insulated
- Rugged Perimeter Channel Construction



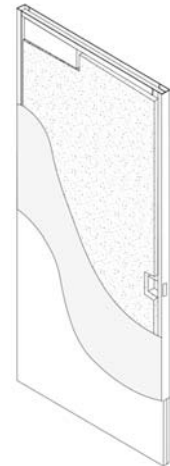
707 Series

- Insulated
- Rugged Perimeter Channel Construction
- Versatile/Dependable



727 Series

- Temperature Rise Rated (250°)
- Insulated
- Rugged Perimeter Channel Construction



737 Series

- Bullet Resistant Level 2
- Insulated
- Rugged Perimeter Channel Construction

NOTE: Closer reinforcements as detailed here are optional.

Standard Components

	607	707	727	737
Door Thickness	1-3/4" (44)	1-3/8" (35) or 1-3/4" (44)	1-3/4" (44)	1-7/8" (48)
Hinge Rail and Reinforcement	Full Height Channel 14 Gauge Extruded* to 10 Gauge Equivalent	Full Height Channel, 14 Gauge Extruded* to 10 Gauge Equivalent or 12 Gauge Extruded to 7 Gauge Equivalent	Full Height Channel 12 Gauge Extruded† to 7 Gauge Equivalent	Full Height Channel 14 Gauge Extruded* to 10 Gauge Equivalent
Lock Rail	Full Height Channel 16 Gauge	Full Height Channel 14 Gauge	Full Height Channel 14 Gauge	Full Height Channel 14 Gauge
Top Channel	18 Gauge	16 Gauge	12 Gauge	16 Gauge
Bottom Channel	18 Gauge	16 Gauge	16 Gauge	16 Gauge
Core	Insulating Polystyrene	Insulating Polystyrene Std. Isocyanurate Optional	Mineral Core (UL Listed) Fire Door Core	Polystyrene
Insulation	Polystyrene	Polystyrene	Mineral Core (UL Listed) Fire Door Core	Polystyrene
Face Skins	20, 18 Gauge	20, 18, 16, 14 Gauge	18, 16 Gauge	16, 14 Gauge Bullet Resistant Plating
Sizes Available	2068 - 4070	2068 - 50100	2068 - 4080	40100 Maximum
Galvanize Options	—	A-60, G-90	A-60, G-90	A-60, G-90
SDI 100 Level/Model ANSI A250.8	1/1, 2/1	1, 2, 3, 4/1, 2	2, 3/1, 2	3, 4/1, 2
Fire Label Ratings	See Fire Labeled Doors section for complete information.			

* 14 gauge steel extruded to provide equivalent thread depth of 10 gauge tapped holes.

† 12 gauge steel extruded to provide equivalent thread depth of 7 gauge tapped holes.

Specifications

607 Series Specifications

Doors shall be 607 Series as manufactured by CURRIES, Mason City, Iowa. Doors are to be manufactured of the finest quality 18, 20 (specify gauge) cold rolled stretcher leveled steel. All doors shall be full flush construction 1-3/4" (44) thick. Doors shall be reinforced, stiffened, insulated, and sound deadened with a solid polystyrene foam board permanently bonded to the inside of each face skin. The lock and hinge edge of each door shall be welded with a centered hairline seam the full height of the door (607S). The lock edge shall be reinforced full height by a 16 gauge continuous one piece channel x extruded templating. The hinge edge shall be reinforced full height by a 14 gauge continuous one piece channel, formed and tapped for hinges. Top and bottom of the door shall be closed with 18 gauge channels. Doors are square hinge and lock edge featuring a non-handed design. Doors shall be thoroughly cleaned and receive an iron phosphate treatment prior to receiving one coat of prime paint. Minimum hardware reinforcement shall consist of the following: Closers – Overhead Holders – Rim Panics, 14 gauge channels; Butts and Locks as previously specified herein.

707 Series Specifications

Doors shall be 707 Series as manufactured by CURRIES, Mason City, Iowa. Doors are to be manufactured of the finest quality 14, 16, 18, 20 (specify gauge) cold rolled stretcher leveled steel or galvanized steel (specify). All doors shall be full flush construction and either 1-3/4" (44) or 1-3/8" (35) thick. Doors shall be reinforced, stiffened, insulated, and sound deadened with a solid polystyrene foam board permanently bonded to the inside of each face skin. The lock and hinge edge of each door shall be welded with a centered hairline seam the full height of the door (707S) OR both the lock and hinge edge of each door shall be welded, filled and ground smooth (seamless) the full height of the door (707N) OR the lock and hinge edge of each door may have the center seam continuously wire welded the full height of the door, filled and ground smooth (707T). The lock edge shall be reinforced full height by a 14 gauge continuous one piece channel x extruded templating. The hinge edge shall be reinforced full height by a 14 gauge

continuous one piece channel, formed and tapped for hinges. Top and bottom of the door shall be closed with 16 gauge channels. Doors shall have beveled 1/8" (3) in 2" (51) lock edge and square hinge edge. Doors shall be thoroughly cleaned and receive an iron phosphate treatment prior to receiving one coat of prime paint. Minimum hardware reinforcement shall consist of the following: Closers – Overhead Holders – Rim Panics, 14 gauge channels; Butts and Locks as previously specified herein. Floor Closers and Pivots – 7 gauge x template requirements.

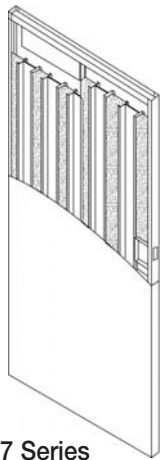
727 Series Specifications

Doors shall be 727 Series as manufactured by CURRIES, Mason City, Iowa. Doors are 250 degree or 450 degree temperature rise listed products for the first 30 minutes of a fire test. Doors are to be manufactured of the finest quality 16, 18, (specify gauge) cold rolled stretcher leveled steel or galvanized steel (specify). All doors shall be full flush construction 1-3/4" (44) thick. Doors shall be reinforced, stiffened, insulated, and sound deadened with a solid UL listed mineral core board permanently bonded to the inside of each face skin. The lock and hinge edge of each door shall be welded with a centered hairline seam the full height of the door (727S) OR both the lock and hinge edge of each door shall be welded, filled and ground smooth (seamless) the full height of the door (727N) OR the lock and hinge edge of each door may have the center seam continuously wire welded the full height of the door, filled and ground smooth (727T). The lock edge shall be reinforced full height by a 14 gauge continuous one piece channel x extruded templating. The hinge edge shall be reinforced full height by a 12 gauge continuous one piece channel, formed and tapped for hinges. Top of the door is closed with a 12 gauge channel and bottom of the door shall be closed with a 16 gauge channel. Doors shall have beveled 1/8" (3) in 2" (51) lock edge and square hinge edge. Doors shall be thoroughly cleaned and receive an iron phosphate treatment prior to receiving one coat of prime paint. Minimum hardware reinforcement shall consist of the following: Closers – Overhead Holders – Rim Panics, 14 gauge channels; Butts and Locks as previously specified herein. Floor Closers and Pivots – 7 gauge x template requirements.

737 Series Specifications

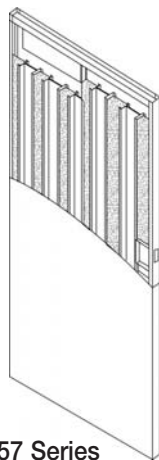
Doors shall be 737 Series as manufactured by CURRIES, Mason City, Iowa. Doors are to be manufactured of the finest quality 14, 16, (specify gauge) cold rolled stretcher leveled steel or galvanized steel (specify). All doors shall be full flush construction and 1-7/8" (48) thick. Doors shall be reinforced, stiffened, insulated, and sound deadened with a solid polystyrene foam board permanently bonded to the inside of each face skin. Integral armor plating inside of the door shall provide bullet resistive properties in accordance to UL Level 2, HPSA listing. The lock and hinge edge of each door shall be welded with a centered hairline seam the full height of the door (737S) OR both the lock and hinge edge of each door shall be welded, filled and ground smooth (seamless) the full height of the door (737N) OR the lock and hinge edge of each door may have the center seam continuously wire welded the full height of the door, filled and ground smooth (737T). The lock edge shall be reinforced full height by a 14 gauge continuous one piece channel x extruded templating. The hinge edge shall be reinforced full height by a 14 gauge continuous one piece channel, formed and tapped for hinges. Top and bottom of the door shall be closed with 16 gauge channels. Doors shall have beveled 1/8" (3) in 2" (51) lock edge and square hinge edge. Doors shall be thoroughly cleaned and receive an iron phosphate treatment prior to receiving one coat of prime paint. Minimum hardware reinforcement shall consist of the following: Closers – Overhead Holders – Rim Panics, 14 gauge channels; Butts and Locks as previously specified herein. Floor Closers and Pivots – 7 gauge x template requirements.

NOTE: CURRIES bullet resistive frames must be used with these doors.



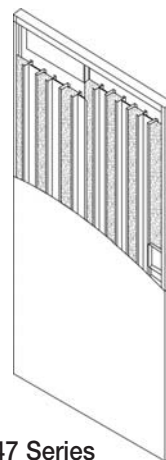
747 Series

- Rugged Perimeter Channel Construction
- Steel Stiffened



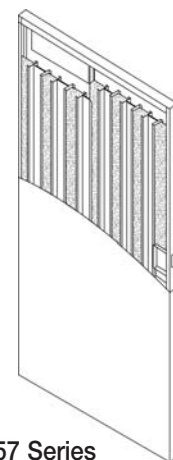
757 Series

- STC 46
- Rugged Perimeter Channel Construction
- Steel Stiffened



847 Series

- Rugged Perimeter Channel Construction
- Steel Stiffened
- Meets Commercial Security Specifications



857 Series

- Rugged Perimeter Channel Construction
- Steel Stiffened
- Meets Commercial Security Specifications

NOTE: Closer reinforcements as detailed here are optional.

Standard Components

	747	757	847	857
Door Thickness	1-3/4" (44)	1-3/4" (44)	1-3/4" (44)	2" (51)
Hinge Rail and Reinforcement	Full Height Channel 12 Gauge Extruded† to 7 Gauge Equivalent	Full Height Channel 12 Gauge Extruded† to 7 Gauge Equivalent	Full Height Channel 12 Gauge Extruded† to 7 Gauge Equivalent	Full Height Channel 12 Gauge Extruded† to 7 Gauge Equivalent
Lock Rail	Full Height Channel 14 Gauge	Full Height Channel 14 Gauge	Full Height Channel 14 Gauge	Full Height Channel 14 Gauge
Top Channel	16 Gauge	16 Gauge	16 Gauge/Plus Flush Top 16 Gauge	14 Gauge/Plus Flush Top 16 Gauge
Bottom Channel	16 Gauge	16 Gauge	16 Gauge	14 Gauge
Core	Steel Stiffened	Steel Stiffened	Steel Stiffened	Steel Stiffened
Stiffener Gauges	22 Gauge	22 Gauge	18 Gauge	18 Gauge
Stiffener Spacings	6" (152) on Vertical Supported Center Lines	6" (152) on Vertical Supported Center Lines	4" (102) on Vertical Supported Center Lines	4" (102) on Vertical Supported Center Lines
Stiffener Welding	6" (152) Vertically to Face Skins	6" (152) Vertically to Face Skins	4" (102) Vertically to Face Skins	4" (102) Vertically to Face Skins
Insulation	Fiberglass Between Stiffeners .75 (.34) Lb. Density	Fiberglass Between Stiffeners .75 (.34) Lb. Density	Fiberglass Between Stiffeners 1 Lb. Density	Fiberglass Between Stiffeners 1 Lb. Density
Face Skins	18, 16, 14 Gauge	16 Gauge	14 Gauge	14 Gauge
Sizes Available	2068-50100 Oversize Available	2068-4080	2068-50100 Oversize Available	2068-4080
Galvanize Options	A-60, G-90	A-60, G-90	A-60, G-90	A-60
SDI 100 Level/Model ANSI A250.8	2, 3, 4/1, 2	2, 3/1, 2	4/1, 2	4/1, 2
Fire Label Ratings	See Fire Labeled Doors section for complete information.			

† 12 gauge steel extruded to provide equivalent thread depth of tapped holes.

NOTE: 847 and 857 Series doors comply with Commercial Security Door Specification HMMA 862-87.

Specifications

747 Series Specifications

Doors shall be 747 Series as manufactured by CURRIES, Mason City, Iowa. Doors are to be manufactured of the finest quality 14, 16, 18, (specify gauge) cold rolled stretcher leveled steel or galvanized steel (specify). All doors shall be full flush construction and 1-3/4" (44) thick. Doors shall be reinforced, stiffened, insulated, and sound deadened STC 43 capable with continuous 22 gauge vertical steel stiffeners spaced not more than 6" (152) apart. The stiffener ends shall be welded together at the top and bottom ends. All spaces between stiffeners shall be insulated with .75 pound density fiberglass insulation. The lock and hinge edge of each door shall be welded with a centered hairline seam the full height of the door (747S) OR both the lock and hinge edge of each door shall be welded, filled and ground smooth (seamless) the full height of the door (747N) OR the lock and hinge edge of each door may have the center seam continuously wire welded the full height of the door, filled and ground smooth (747T). The lock edge shall be reinforced full height by a 14 gauge continuous one piece channel x extruded templating. The hinge edge shall be reinforced full height by a 12 gauge continuous one piece channel, formed and tapped for hinges. Top and bottom of the door shall be closed with 16 gauge channels. Doors shall have beveled 1/8" (3) in 2" (51) lock edge and square hinge edge. Doors shall be thoroughly cleaned and receive an iron phosphate treatment prior to receiving one coat of prime paint. Minimum hardware reinforcement shall consist of the following: Closers – Overhead Holders – Rim Panics, 14 gauge channels; Butts and Locks as previously specified herein. Floor Closers and Pivots – 7 gauge x template requirements.

757 Series Specifications

Doors shall be 757 Series as manufactured by CURRIES, Mason City, Iowa. Doors are to be manufactured of the finest quality 16 gauge cold rolled stretcher leveled steel or galvanized steel (specify). All doors shall be full flush construction and 1-3/4" (44) thick. Doors shall be reinforced, stiffened, insulated, and sound deadened STC 46 capable with continuous 22 gauge vertical steel stiffeners spaced not more than 6" (152) apart. The stiffener ends shall be welded together at the top and bottom ends, perforated flush top cap standard. All spaces between stiffeners shall be insulated with .75 pound density fiberglass insulation. The lock and hinge edge of each door shall be welded with a centered hairline seam the full height of the door (757S) OR both the lock and hinge edge of each door shall be welded, filled and ground smooth (seamless) the full height of the door (757N) OR the lock and hinge edge of each door may have the center seam continuously wire welded the full height of the door, filled and ground smooth (757T). The lock edge shall be reinforced full height by a 14 gauge continuous one piece channel x extruded templating. The hinge edge shall be reinforced full height by a 12 gauge continuous one piece channel, formed and tapped for hinges. Top and bottom of the door shall be closed with 16 gauge channels. Doors shall have beveled 1/8" (3) in 2" (51) lock edge and square hinge edge. Doors shall be thoroughly cleaned and receive an iron phosphate treatment prior to receiving one coat of prime paint. Minimum hardware reinforcement shall consist of the following: Closers – Overhead Holders – Rim Panics, 14 gauge channels; Butts and Locks as previously specified herein. Floor Closers and Pivots – 7 gauge x template requirements.

847 Series Specifications

Doors shall be 847 Series 14 gauge, cold rolled or galvanized steel as manufactured by CURRIES, Mason City, Iowa. Doors shall comply with specifications defined herein for Commercial Security Hollow Metal Doors and Frames. Doors shall have passed performance criteria set forth by nationally recognized standards such as HMMA 862-87. Removable glazing stops are to be 18 gauge concealed type. Doors shall be 1-3/4" (44) thick and reinforced with 18 gauge stiffeners welded to each face skin 4" (102) on center with spot welds 4" (102) on center the full height of the door. The stiffener ends are to be welded together the full width of the supporting web span at the top and bottom of the door. The standard core shall be insulating and sound-deadening 1 lb density fiberglass insulation. The lock edge shall be reinforced full height by a 14 gauge continuous one piece channel x extruded templating. The hinge edge shall be reinforced full height by a 12 gauge continuous one piece channel, formed and tapped for hinges. Top and bottom of the door shall be closed with 16 gauge channels. The top of the door shall be flush with an additional 16 gauge channel welded in place. Doors shall have beveled 1/8" (3) in 2" (51) lock edge and hinge edge. The lock and hinge edge of each door shall be welded with a centered hairline seam the full height of the door (847S) OR both the lock and hinge edge of each door shall be welded, filled and ground smooth (seamless) the full height of the door (847N) OR the lock and hinge edge of each door may have the center seam continuously wire welded the full height of the door, filled and ground smooth (847T). Doors shall be thoroughly cleaned and receive an iron phosphate treatment prior to receiving one coat of prime paint. Minimum hardware reinforcement shall consist of the following: Closers – Overhead Holders 12 gauge channels – Rim Panics, 14 gauge channels; Butts and Locks as previously specified herein. Floor Closers and Pivots – 7 gauge x template requirements.

857 Series Specifications

Doors shall be 857 Series 14 gauge cold rolled or galvanized steel as manufactured by CURRIES, Mason City, Iowa. Doors shall comply with specifications defined herein for Commercial Security Hollow Metal Doors and Frames. Doors shall have passed performance criteria set forth by nationally recognized standards such as HMMA 862-87. Removable glazing stops are to be 18 gauge concealed type. Doors shall be 2" (51) thick and reinforced with 18 gauge stiffeners welded to each face skin 4" (102) on center with spot welds 4" (102) on center the full height of the door. The stiffener ends are to be welded together the full width of the supporting web span at the top and bottom of the door. The standard core shall be insulating and sound-deadening 1 lb density fiberglass insulation. The lock edge shall be reinforced full height by a 14 gauge continuous one piece channel x extruded templating. The hinge edge shall be reinforced full height by a 12 gauge continuous one piece channel, formed and tapped for hinges. Top and bottom of the door shall be closed with 14 gauge top and 16 gauge bottom channels. The top of the door shall be flush with an additional 18 gauge channel welded in place. Doors shall have beveled 1/8" (3) in 2" (51) lock edge and hinge edge. The lock and hinge edge of each door shall be welded with a centered hairline seam the full height of the door (857S) OR both the lock and hinge edge of each door shall be welded, filled and ground smooth (seamless) the full height of the door (857N) OR the lock and hinge edge of each door may have the center seam continuously wire welded the full height of the door, filled and ground smooth (857T). Doors shall be thoroughly cleaned and receive an iron phosphate treatment prior to receiving one coat of prime paint. Minimum hardware reinforcement shall consist of the following: Closers – Overhead Holders 12 gauge channels – Rim Panics, 14 gauge channels; Butts and Locks as previously specified herein. Floor Closers and Pivots – 7 gauge x template requirements.



Design Pressure	Type of Opening	Size of Opening	Door	Glazing/Face Type	Dade County Acceptance Number	Florida Bldg. Commission Approval No.
+/-100	Door and Frame	3'0" x 7'0"	707	Flush	02-0222.07	FL2198
+/-85	Door and Frame	4'0" x 7'0"	747	Flush	02-0814.05	FL2198
+/-85	Door and Frame	3'0" x 7'0"	707	Flush	01-1102.02	FL2198
+/-80	Door and Frame	3'0" x 7'0"	707	Flush	02-0222.07	FL2198
+/-75	Door and Frame	8'0" x 8'0"	747	Flush	02-0924.04	FL2198
+/-72	Door and Frame	3'0" x 7'0"	707	Up to HG (24 x 32)	03-0626.01	FL2198
+/-70	Door and Frame	8'0" x 8'0"	707 or 747	Up to HG (32 x 42)	03-0812.07	FL2493
+/-62	Door and Frame	8'0" x 8'0"	747	Flush	02-0924.04	FL2198
+/-60	Store Front	Frame: 10'0" height	N/A	Glass	Glasslam Laminated 04-0622.05 707 or 747 panels	FL3704
+/-60	Door and Frame w/wo transom	Door: 6'0" x 8'0" Frame: 6'0" x 10'0"	707 or 747	Up to FG (24 x 66) Transom Glass 707 or 747 Panels	04-0622.06	FL3192
+/-60	Door and Frame	6'0" x 7'0"	707	F	02-0222.06	FL2198
+/-60	Door and Frame w/wo transom w/wo sidelite	3'0" x 7'0" 3'0" x 10'2" 4'0" x 7'0"	607 707 727 747	Up to FG (24 x 66)	N/A	FL4385
+/-57.2	Door and Frame	4'0" x 7'0"	747	F	02-0814.05	FL2198
+/-50	Door and Frame	8'0" x 8'0"	707	FGL	03-0319.04	FL2198

Windstorm

CURRIES Windstorm products have been tested to the requirements for hurricane-prone and wind-borne debris regions as defined in the International Building Code (IBC) certified by Florida Building Commission, Dade County, and Intertek agencies. The product matrix included here is a small portion of CURRIES overall product mix meeting the IBC performance criteria. Assemblies are tested for design pressures, impact resistance, glass and glazing materials and specific commercial hardware applications. Locations of these openings on exteriors of buildings plus the location of the buildings determine the benchmark performance required of the opening. Code officials have

standardized this data for construction in regions of the country susceptible to violent wind storms in attempts to safeguard the public health, safety, and general welfare through requirements for buildings and other structures sited in these hurricane prone areas.

CURRIES door series 607, 707, 727 and 747 have achieved various levels of performance listings. Our standard full perimeter channel construction on all door series prove its worth throughout this rigorous regimen of physical testing of door and frame assemblies. Flush M series frames dominate this criteria used in cement block walls to withstand the

forces applied to the assemblies. Light steel and wood frame wall construction assemblies are available as well.

Hardware requirements vary with each assembly and the performance level required for a particular openings location in a building.

Additional design pressure listed products and current listed hardware items can be found on the CURRIES.com website. Click products and "Windstorm." Direct links to the certifying agencies listings will provide a complete list of the specific products needed to specify these assemblies.



ReadySet™

In less than 10 minutes a complete doorway can be installed, thanks to the ReadySet system. ReadySet doorways are shipped to the jobsite fully preassembled and pre-tested for functionality, ready for final installation at the end of the project cycle. There's no need to secure components on site and punch list items are virtually eliminated. With ReadySet, installation time is drastically reduced.

ReadySet is available with a full range of doors, frames and hardware installed to meet all applications:

- Fire rated to 1-1/2 hours
- Custom finishes complement décor
- Windstorm approved
- Tested for over 3 million cycles

ReadySet™ Design Patent Pending

Storm Pro 361

The Federal Emergency Management Agency (361) Guidelines define a wind and impact resistant door and frame assembly for safe rooms to provide inhabitants protection from tornados, hurricanes, and straight line winds.

CURRIES is pleased to provide Storm Pro 361, which has been successfully tested by Texas Tech University's Wind Engineering Research Center in accordance with FEMA 361. This door and frame assembly met with the performance criteria as set forth by the FEMA 361 test.

CURRIES frames are available with (factory only) face welded corners, masonry T anchors, M Series masonry profile 5-3/4" jamb depth, 14 gauge A60 galvanized steel, unequal rabbet with 1/2" backbend returns. 2" or 4" face heads are available.

Opening sizes are limited to 3'0" x 7'0" single doors and 6'0" x 7'0" pairs separated by a removable 12 gauge hollow metal mullion between the two pair doors. Out swinging RHR or LHR handing is available.

Doors are available flush face only 3'0" x 7'0" in size of 14 gauge A60 galvanized steel. Doors have 12 gauge hinge and lock channels, continuously welded edge seams for strength and have a foamed in place 2 lb. density insulating polyurethane core. Doors also have 14 gauge flush top and bottom channels welded in place.

The "pair opening" actually requires a full profile 2" face removable hollow metal mullion separating the two doors. This mullion must be "filled" with concrete prior to installation. Wall construction and frame installation must comply with the FEMA 361 guidelines as printed in that document.

All hardware is by hardware supplier. Each door opening is prepared to receive 1-1/2 pair of 4-1/2" heavy weight hinges. The door is prepared to receive a Securitech 83L44 (Lever), 83T44 (Touchbar), and 83C44 (Crossbar). Currently this opening is available only with this hardware preparation. A 3/8" bottom undercut on the door is another requirement for proper bottom bolt engagement to the floor.

The Securitech device must include 10" x 5/8" diameter stainless steel deadbolt, 1" projection, stainless steel deadbolt channels, trigger activated locking as door closes, cylinder protector, exterior lever trim with slip clutch, six channel mounting brackets, thru-bolt brackets for top and bottom channel brackets. Ives 454-8" bolts (four per mullion) must be used top and bottom of mullion. Parallel arm or top jamb mounted surface closers may be installed on these openings.

Bullet Resistant Assemblies

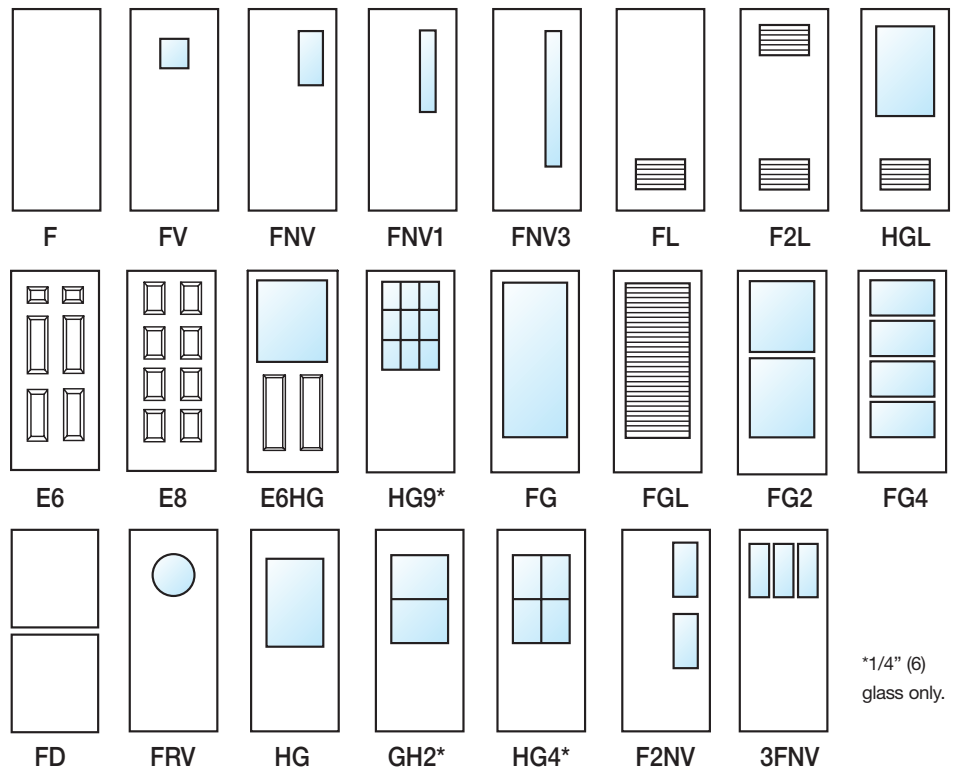
CURRIES offers a bullet resistant door/frame assembly which can provide protection to meet stringent UL standards:

- 737 Series door and bullet resistant frame meets UL Test 752, Level 2, HPSA (.357 magnum)

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

NOTE: 12 gauge factory welded frames can be listed UL Test 752 Bullet Resistant, Level 2, when ordered as an assembly (e.g., 737 Level 2). Level 3 window frames are also available.

Door Selection Faces



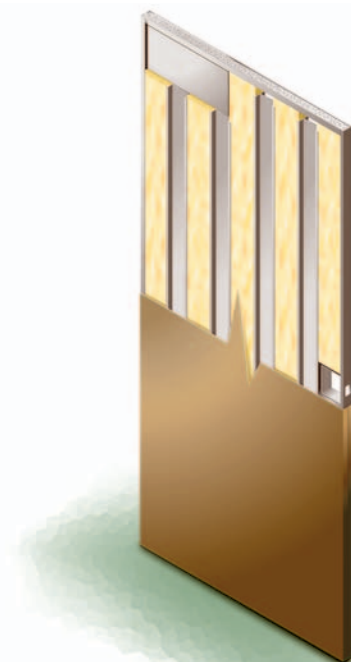
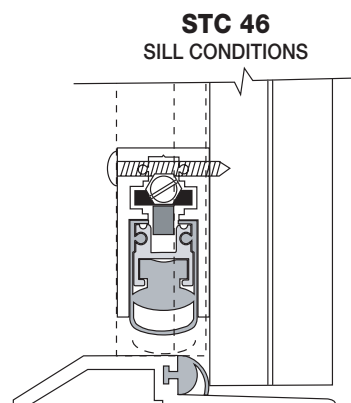
757 Sound Door Construction

Quiet Noise

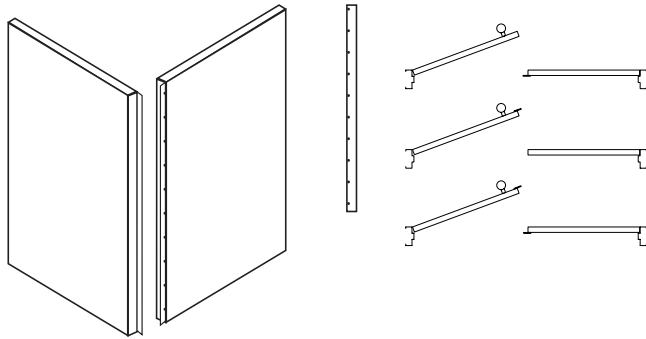
With a 757 Steel Stiffened Door

Your Acoustics Solution – STC 46

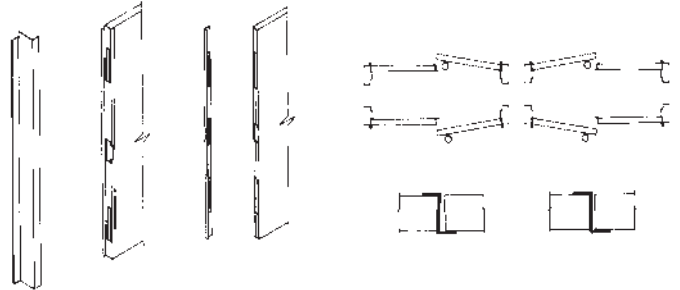
- Stop ambient noise in schools
- Provide classroom harmony with rugged durability
- Ensure speech privacy
- 16 gauge door used with a standard flush frame
- 90 minute fire rating
- Up to 4080 single doors
- Sound seals, door bottom, and threshold provided with assembly
- Reasonably priced



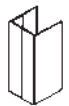
Astragals



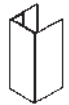
Z Astragals



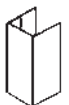
Door Edges



S
Exposed hairline seam on center of door edge

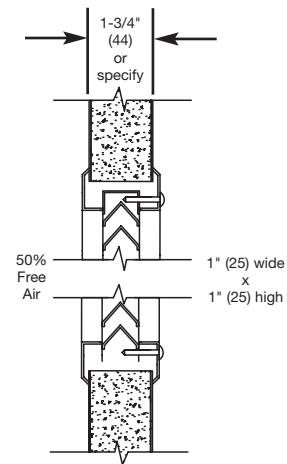


N
Intermittent seam welded, filled and ground smooth

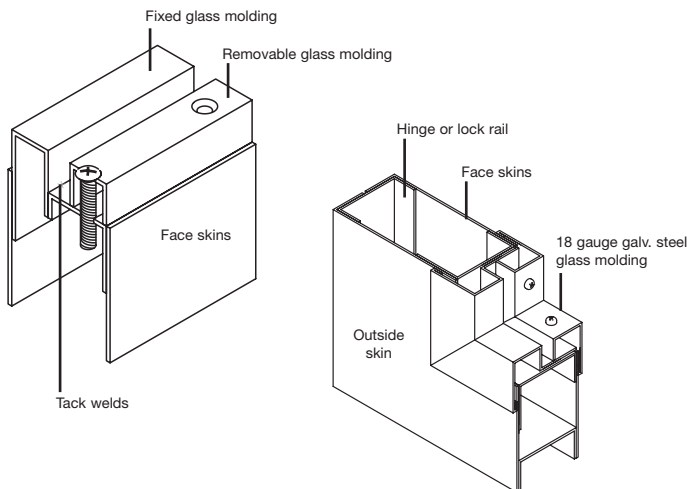


T
Seam wire welded full length and ground smooth

Louvers



Lite Kits



Standard Door Sizes

Any Combinations Available

Widths		Heights	
2'0"	(610)	6'8"	(2032)
2'4"	(711)	7'0"	(2133)
2'6"	(762)	7'2"	(2184)
2'8"	(813)	7'10"	(2388)
2'10"	(864)	8'0"	(2438)
3'0"	(914)	9'0"	(2743)
3'4"	(965)	10'0"	(3048)
3'6"	(1067)		
3'8"	(1118)		
3'10"	(1168)		
4'0"	(1219)		
5'0"	(1524)		

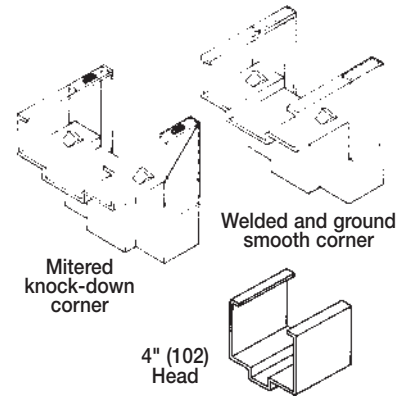
CURRIES offers a complete line of flush frames that are available in 18, 16, 14, and 12 gauge cold-rolled or galvanized steel and in 16 or 14 gauge stainless steel. Frames can be knocked down, set up and spot welded at miters, or set up and arc welded at miters and ground smooth. The 12 gauge frames are saw miter welded or saw 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.

- **Narrow Face Frames**-CURRIES offers pre-engineered, knock-down (KD) flush frames with face dimensions of 1" (25), 1-1/4" (32), 1-1/2" (38), 1-3/4" (44), or 2" (51).
- **Frame Sizes**-Available to match door sizes, in any combination of singles or pairs. Non-standard width or height frames are available on special order.

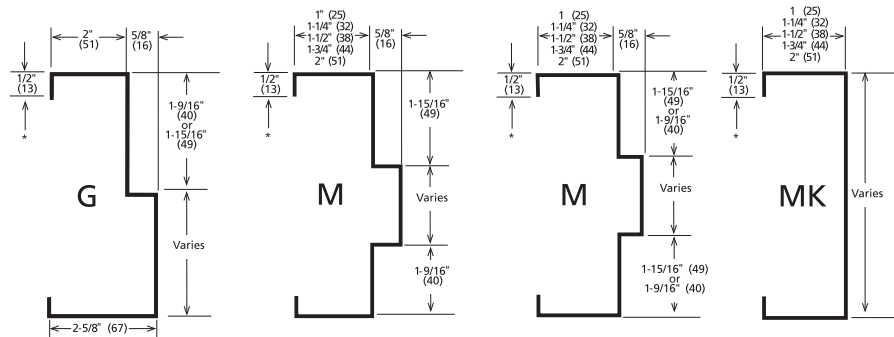
M Series/Jamb Depths 3" (76) to 14" (356), 1/8" (3) Increments

Specifications

Frames shall be M Series as manufactured by CURRIES of Mason City, Iowa. Frames are to be fabricated of either cold-rolled or galvanized steel (as specified) of either 18, 16, 14, or 12 gauge. Joints are to be die-mitered with integral tabs for reinforcement and interlocking of the jambs to the head. 12 gauge frames are saw miter or saw butt end corner construction. Frames shall be knock-down or set-up and 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, with drilling and tapping to be done in the field by others. 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 and closer reinforcing-14 gauge.



Flush KD
Gauge 18-16-14
Jamb depth 3" (76)
through 14" (356)

Flush KD
Gauge 18-16-14
Unequal rabbet
Jamb depth 4-1/2" (114)
through 14" (356)

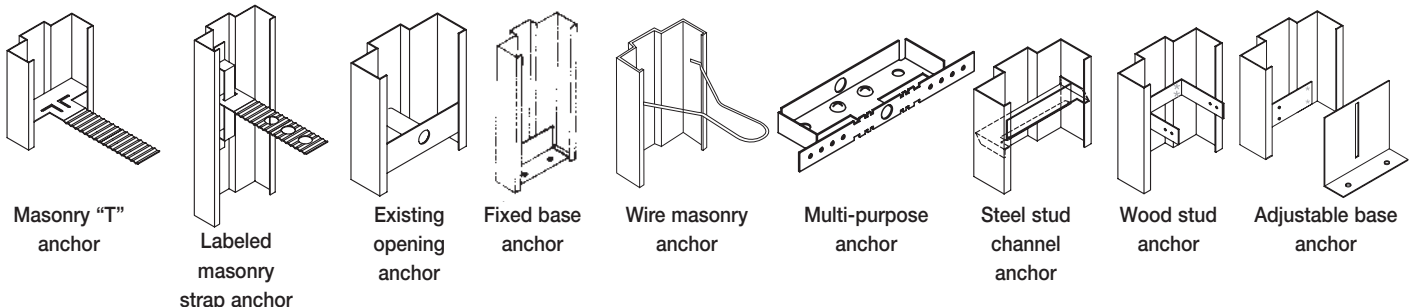
Flush KD
Gauge 18-16-14
Unequal rabbet
Jamb depth 4-7/8" (124)
through 14" (356)

Flush KD
Gauge 18-16-14
Jamb depth 3" (76)
through 14" (356)

NOTE: 5-3/4" (146) jamb-depth frames have 7/16" (11) back bend.

Anchors

Here are a few of our standard anchors for masonry, wood studs, steel studs, and solid partitions. Anchors are available either loose or welded in.



CURRIES drywall frames are available in 18, 16, or 14 gauge cold-rolled steel. These frames are manufactured to provide clean, sharp lines, rigid corner construction, and fine miter lines on all joints. They are designed to go into an opening after the wall is up, and they are available to accommodate practically any wall thickness. Frames receive a factory baked-on coat of rust inhibitive primer, and are also available with factory baked-on enamel. (Request our paint selector card.) They 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.

- **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**-Available to match door sizes, in any combination of singles or pairs. Non-standard width or height frames are available on special order. Double-rabbit profiles are available with 4" (102) face heads.

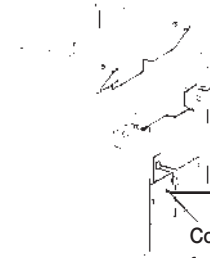
CM Series Frames

Frames shall be CM Series as manufactured by CURRIES of Mason City, Iowa. Frames are to be fabricated of either cold rolled or galvanized steel (as specified) of either 18, 16, or 14 gauge. Frames shall be welded corner construction, double return back bend (to prevent cutting into the wallboard). 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 in the field by others. 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 and closer reinforcing-14 gauge.

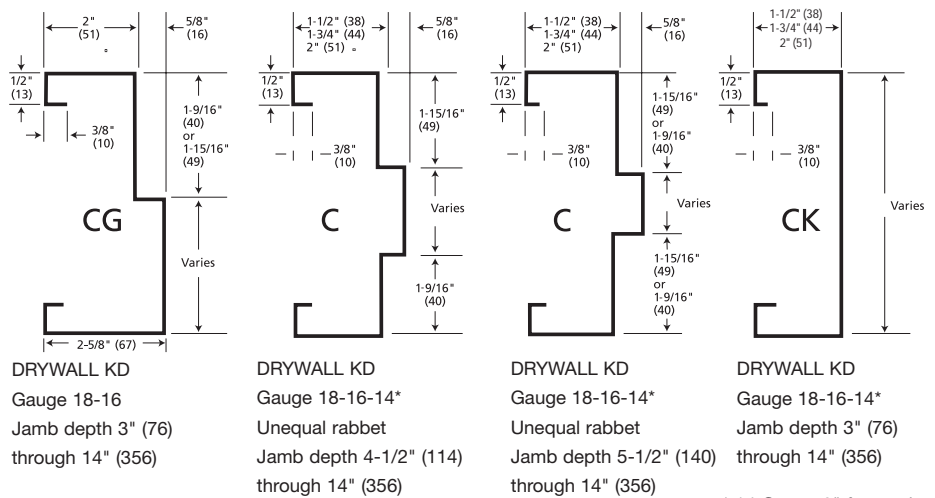
C Series Drywall Frames

Frames shall be C Series as manufactured by CURRIES of Mason City, Iowa. Frames are to be fabricated of either cold rolled or galvanized steel (as specified) of either 18, 16, or 14 gauge. Frames shall be knock-down, 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 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 in the field by others. Minimum requirements

for hardware reinforcements are to be as follows: Hinge Reinforcing-7 gauge, Lock Strike Reinforcing-14 gauge conforming to template requirements and closer reinforcing-14 gauge.



Compression anchor for positive plumb alignment



DRYWALL KD

Gauge 18-16
Jamb depth 3" (76)
through 14" (356)

DRYWALL KD

Gauge 18-16-14*
Unequal rabbet
Jamb depth 4-1/2" (114)
through 14" (356)

DRYWALL KD

Gauge 18-16-14*
Unequal rabbet
Jamb depth 5-1/2" (140)
through 14" (356)

DRYWALL KD

Gauge 18-16-14*
Jamb depth 3" (76)
through 14" (356)

* 14 Gauge 2" face only

C Frame Installation Details

For Over-The Wall Knock-Down (KD) Drywall Frames:

NOTE: It is particularly important that the overlapping of steel vertical and horizontal studs be avoided, since this produces oversized walls. This, in turn, could create significant installation problems when drywall frames are used.

1. Construct the wall with a rough opening height equal to the finished opening height plus 3/4" (19) to 1" (25) maximum. A rough opening width is as follows:

- a) For 2" (51) face frames—opening width plus 2-1/8" (54) to 2-3/8" (60).
- b) For 1-3/4" (38) and 1-1/2" (44) face frames—opening width plus 2" (51).

2. If a wrap around (optional) base anchor is used, notch the drywall in that area.

3. Retract the compression bars in the jambs and install one jamb in position on the wall.

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

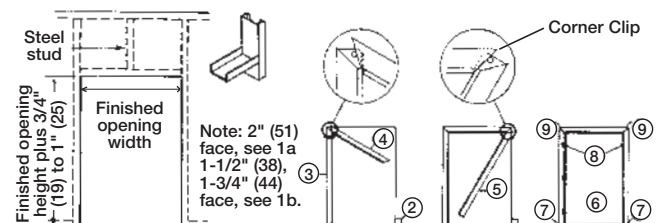
5. Insert the corner clips of the remaining jamb into the opposite end of the head and position the jamb on the wall.

6. Locate a removable frame spacing bar at the base of the centered frame to maintain proper opening width during the installation.

7. Square and plumb the frame, and install the base anchor screws through the countersink holes in the frame face and into the floor plate.

8. Square the top of the frame, and tighten compression bars by turning the screws counterclockwise. (Do not over tighten).

9. Install (4) No. 8 x 1/2" (13) sheet metal screws at the corners of the head to attach the head to the jambs. (Required for UL rated frames).



CURRISeal Frames

CURRISeal is an integrally gasketed, one piece hollow metal door frame. Gaskets installed in the integral kerf significantly reduce air flow between the door and frame. Assemblies can be fire rated up to 3 hours and have been tested by ANSI/NFPA 105, UL 1784, ASTM E-283, and UBC 3305 or UBC 1004.3.4.3.2.1 Test Criteria.

WM Series Frames – Masonry

Frames shall be WM Series as manufactured by CURRIES of Mason City, Iowa. Frames are to be fabricated of either cold rolled or galvanized steel (as specified) of 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. Joints are to be die-mitered with integral tabs for reinforcement and interlocking of the jambs to the head or frame or corners shall be full saw miter or saw butt end and have factory welded corners.

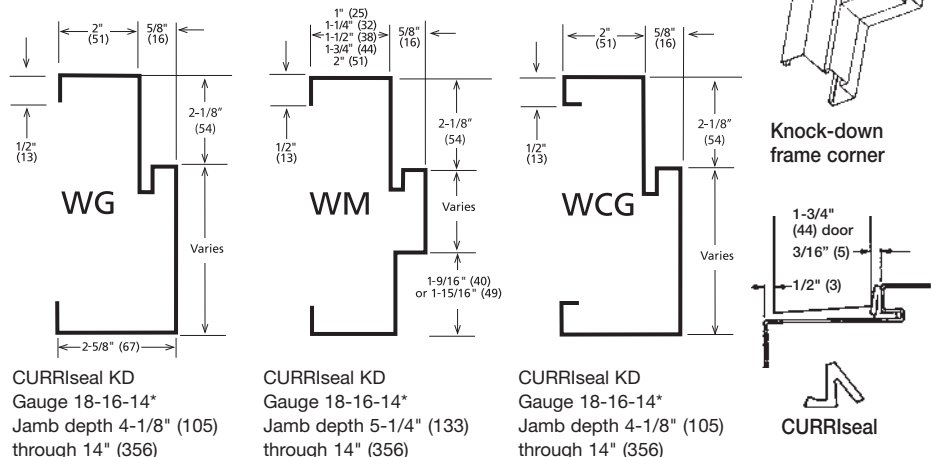
Frames comply with NFPA 105 Smoke and Draft Control Door Assemblies, UL 1784 Air Leakage Test of Door Assemblies, ASTM E-283 Air Infiltration, and UBC 3305 Air Leakage Test of Door Assemblies; they can be UL listed fire door frames up to and including 3 hour ratings. Frames shall be thoroughly cleaned 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 in the field by others. 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 and closer reinforcing-14 gauge. All hardware must be compatible with CURRIES listing for this product.

WC Series Frames – Drywall

Frames shall be WC Series as manufactured by CURRIES of Mason City, Iowa. Frames are to be fabricated of either cold rolled or galvanized steel (as specified) of 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 knock-down, 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 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 in the fields by others. Minimum requirements for hardware reinforcements are to be as follows: Hinge Reinforcing-7 gauge, Lock Strike Reinforcing-14 gauge conforming to template requirements and closer reinforcing-14 gauge. All hardware must be compatible with CURRIES listing for this product.



Thermal Break Frames

Heat loss is greatly reduced—frost and condensation on the interior door frame face are successfully combated—with the CURRIES Thermal Break Hollow Metal Door Frame.

This is accomplished with a strategically-placed closed cell polyethylene foam barrier that provides a positive thermal break within the frame profile and thereby delivers maximum protection against cold penetration.

Mullions used in CURRIES hollow metal sidelite and borrowed lite frames feature the same basic thermal break design as CURRIES' regular Thermal Break Frames.

CURRIEllum Frames

CURRIEllum frames play an integral role in the **LiteGuide System** offered by ASSA ABLOY. Five frame preparation options complete any jobsite need for emergency exit lighting. Frame profiles available with the CURRIEllum feature include, M, CM, WM, and WG, note these frames are saw miter welded corner construction. Frames are available in 16 or 14 gauge steel, 4" face heads are not available. Assemblies can be fire rated. Jamb depths 3" through 14". Frame assembly options include:

LG1 which is a prewired By-Pass Frame preparation that allows the ELAP egress marking product to be connected through the frame system to continue the egress path lighting from the opposite door jamb without illuminating the frame perimeter.

LG2 which is a prewired By-Pass Frame preparation the same as LG1 but also includes additional preparations for power to the ELAP system and power control of any electrified hardware and its options.

LG3 option features a channel on the frame face to accommodate the egress marking product and necessary junction box features at the base on each side of the frame opening.

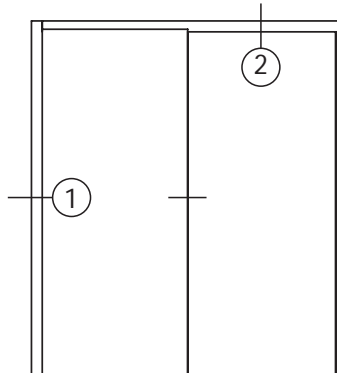
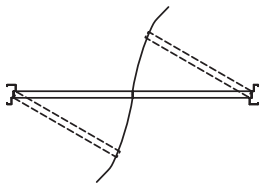
LG4 features the ability to be a stand alone exit as this frame has the channel on the frame face, junction boxes at the frame base on each jamb and a junction box at the top of the frame for power access to feed the system by itself from an outside supply.

LG5 frame option is a stand alone frame intended for use with a photoluminescent strip placed in the preformed channel in the frame face. The strip is by others.

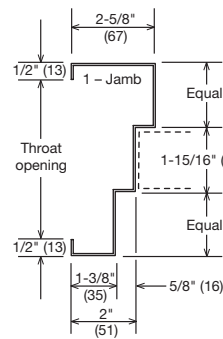
Optional accessories available include a FLATLITE Kit consisting of a lamp power supply, connector system, clear PVC extrusions, for up to an 8080 opening. Connection kit includes raceway ends, screws, and hole plugs to ELAP and powered by ELAP.

Double Egress Frames

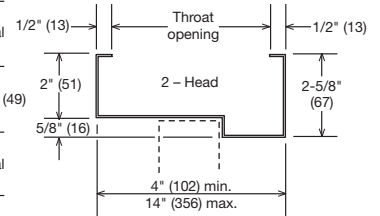
These frames are designed to permit a means of egress in two directions. They are ideally suited to schools, hospitals, and nursing homes where traffic control is crucial. The unit is available either labeled or non-labeled.



Double egress frame



Section 1 Jamb



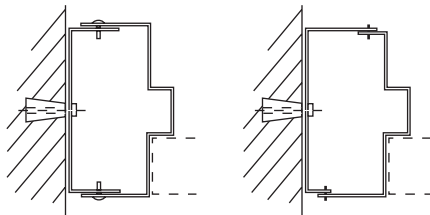
Section 2 Head

Custom Frames

Combinations or modifications of designs shown are available to meet job requirements. Frames are available in cold-rolled steel, galvanized, 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.

coat of rust inhibitive primer. Frames are to be mortised, reinforced and drilled and tapped for all mortise finish hardware. Frames are to be reinforced only for surface mounted hardware, with drilling and tapping to be done in the field by the erection contractor. Steel plates and mortising boxes are to be welded to all hinge and lock reinforcement.



Rough buck knock-down
3" (76) to 24" (610) jamb depth

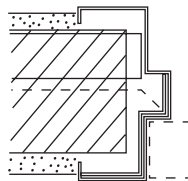
Cabinet jamb welded units

Specifications

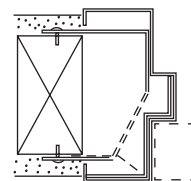
Hollow metal frames for all openings shown on the architect's drawings shall be manufactured by CURRIES of Mason City, Iowa. Frames are to be fabricated of either cold-rolled steel or galvanized steel (as specified) of either 18, 16, 14, or 12 gauge. Joints are to be full saw mitered on a high speed metal cutting saw, full welded, and finished to a smooth surface. Frames are to be thoroughly degreased, cleaned, and phosphatized prior to painting. Frames shall receive a factory baked-on

Lead-Lined Frames

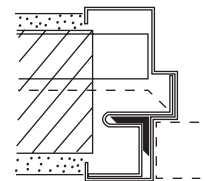
Lead lining is furnished by the X-ray contractor and can be installed at the factory. When used with lead-lined doors, it ensures complete X-ray protection. When specified, struts welded to the jambs and extended to the slab above provide more rigid anchorage.



Masonry partition

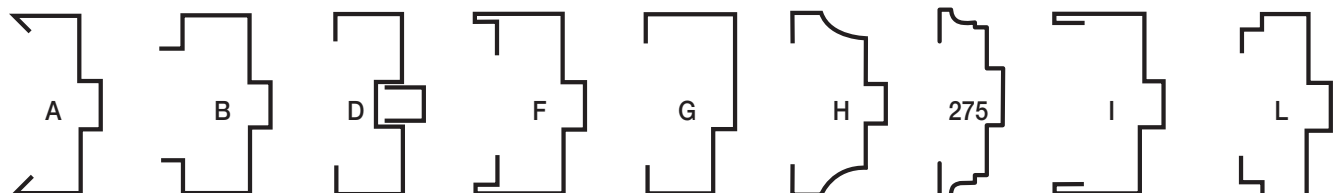


Wood stud partition

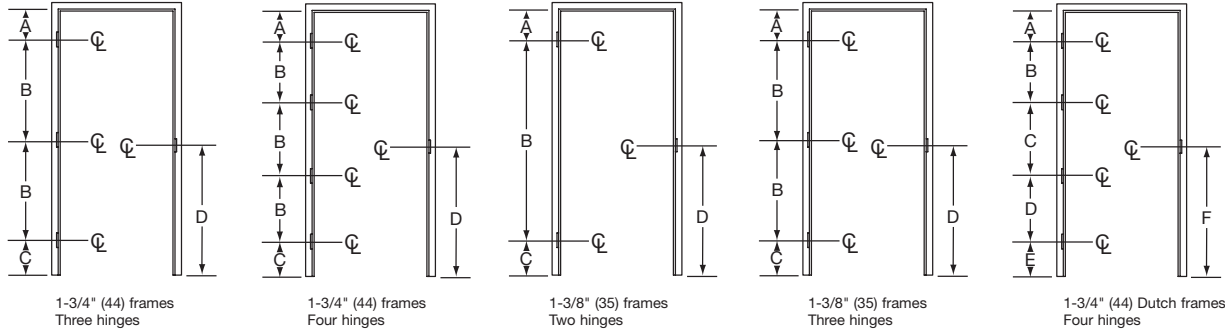


Strut welded on

Custom Profiles



Strike & Hinge Locations



1-3/4" (44) Frames — Three Hinges

Size	A	B	C	D	E	F
6'8" (2032)	7-1/4" (184)	30-1/4" (768)	12-1/4" (311)	40" (1016)	—	—
7'0" (2133)	7-1/4" (184)	32-1/4" (819)	12-1/4" (311)	40" (1016)	—	—
7'2" (2184)	7-1/4" (184)	33-1/4" (845)	12-1/4" (311)	40" (1016)	—	—
7'10" (2388)	7-1/4" (184)	37-1/4" (946)	12-1/4" (311)	40" (1016)	—	—
8'0" (2438)	7-1/4" (184)	38-1/4" (972)	12-1/4" (311)	40" (1016)	—	—
9'0" (2743)	7-1/4" (184)	44-1/4" (1124)	12-1/4" (311)	40" (1016)	—	—
10'0" (3048)	7-1/4" (184)	50-1/4" (1276)	12-1/4" (311)	40" (1016)	—	—

HINGE BACKSET 5/16" (8)

1-3/4" (44) Frames — Four Hinges

Size	A	B	C	D	E	F
6'8" (2032)	7-1/4" (184)	20-1/8" (511)	12-3/8" (314)	40" (1016)	—	—
7'0" (2133)	7-1/4" (184)	21-1/2" (546)	12-1/4" (311)	40" (1016)	—	—
7'2" (2184)	7-1/4" (184)	22-1/8" (562)	12-3/8" (314)	40" (1016)	—	—
7'10" (2388)	7-1/4" (184)	24-7/8" (632)	12-1/8" (308)	40" (1016)	—	—
8'0" (2438)	7-1/4" (184)	25-1/2" (648)	12-1/4" (311)	40" (1016)	—	—
9'0" (2743)	7-1/4" (184)	29-1/2" (749)	12-1/4" (311)	40" (1016)	—	—
10'0" (3048)	7-1/4" (184)	33-1/2" (851)	12-1/4" (311)	40" (1016)	—	—

HINGE BACKSET 5/16" (8)

1-3/8" (35) Frames — Two Hinges

Size	A	B	C	D	E	F
6'8" (2032)	9-3/4" (248)	59-7/8" (1521)	10-3/8" (264)	40-5/16" (1024)	—	—
7'0" (2133)	9-3/4" (248)	63-7/8" (1622)	10-3/8" (264)	40-5/16" (1024)	—	—
7'2" (2184)	9-3/4" (248)	65-7/8" (1673)	10-3/8" (264)	40-5/16" (1024)	—	—

HINGE BACKSET 5/16" (8)

1-3/8" (35) Frames — Three Hinges

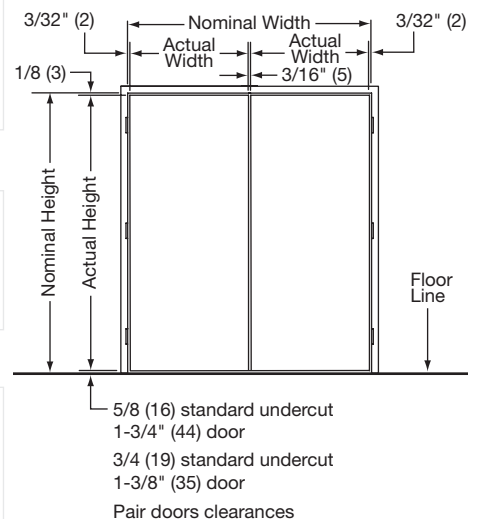
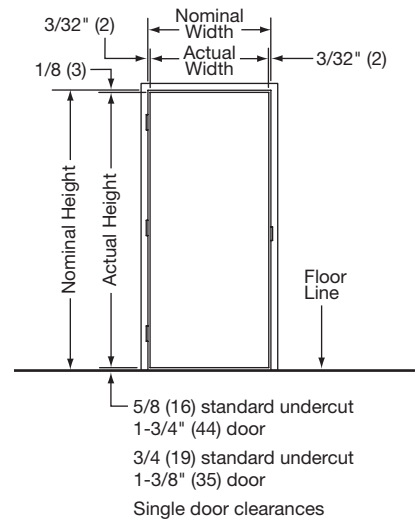
Size	A	B	C	D	E	F
6'8" (2032)	9-3/4" (248)	29-15/16" (760)	10-3/8" (264)	40-5/16" (1024)	—	—
7'0" (2133)	9-3/4" (248)	31-15/16" (811)	10-3/8" (264)	40-5/16" (1024)	—	—
7'2" (2184)	9-3/4" (248)	32-15/16" (837)	10-3/8" (264)	40-5/16" (1024)	—	—

HINGE BACKSET 5/16" (8)

1-3/4" (44) Dutch Frames — Four Hinges

Size	A	B	C	D	E	F
6'8" (2032)	7-1/4" (184)	24-1/4" (616)	13-1/2" (343)	22-3/4" (578)	12-1/4" (311)	35" (889)
7'0" (2133)	7-1/4" (184)	28-1/4" (718)	13-1/2" (343)	22-3/4" (578)	12-1/4" (311)	35" (889)
7'2" (2184)	7-1/4" (184)	30-1/4" (768)	13-1/2" (343)	22-3/4" (578)	12-1/4" (311)	35" (889)
7'10" (2388)	7-1/4" (184)	35-1/4" (895)	16-1/2" (419)	22-3/4" (578)	12-1/4" (311)	35" (889)
8'0" (2438)	7-1/4" (184)	37-1/4" (946)	16-1/2" (419)	22-3/4" (578)	12-1/4" (311)	35" (889)

HINGE BACKSET 5/16" (8), SHELF HEIGHT IS 42" (1067) STANDARD



Fire Labeled Doors



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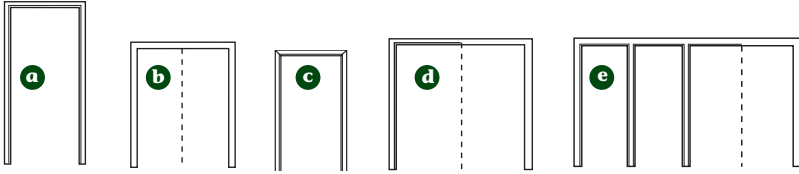
Opening Size	Feet	(mm)	Opening Size	Feet	(mm)
3070	3'0"x7'0"	(914x2134)	6070	6'0"x7'0"	(1829x2134)
3672	3'6"x7'2"	(1067x2184)	6080	6'0"x8'0"	(1829x2438)
3872	3'8"x7'2"	(1118x2184)	8070	8'0"x7'0"	(2438x2134)
4070	4'0"x7'0"	(1219x2134)	8080	8'0"x8'0"	(2438x2438)
4080	4'0"x8'0"	(1219x2438)	80100	8'0"x10'0"	(2438x3048)
40100	4'0"x10'0"	(1219x3048)			

UL 10B only

UL 10B and UL 10C joint capability

Series		L607	L607	L707	L707	L707	L707	L707	L727	L747	L747	L757	L847	L857
Gauge		20 or 18	20 or 18	20	20 or 18	18 or 16	14	20,18,16	18 or 16	18 or 16	14	16	14	14 or 12
Thickness Inches		1-3/4"	1-3/4"	1-3/4"	1-3/8"	1-3/4"	1-3/4"	1-3/4"	1-3/4"	1-3/4"	1-3/4"	1-3/4"	1-3/4"	2"
Thickness (mm)		(44)	(44)	(44)	(35)	(44)	(44)	(44)	(44)	(44)	(44)	(44)	(44)	(51)
Description	Rating	Maximum Opening Size												
Single 100 sq. in. (64,516) Maximum	3 hr. ¹ 1-1/2 hr. ² 1 hr. 3/4 hr. ²	4070	4070	4080	3676	4080	4080	4080	4080	40100	4080		4080	4080
Single 100 sq. in. (64,516) Maximum	1-1/2 hr. ² 1 hr. ² 3/4 hr. ² 1/3 hr. ²	4070	4070	40100	3676	40100	4080	4080	4080	40100	40100		4080	4080
Single 1296 sq. in. (836,127) Per Lite	1 hr. ³ 3/4 hr. ² 1/3 hr. ²	4070	4070	40100		40100	4080	4080		40100	4080		4080	4080
Single 1296 sq. in. (836,127) Per Leaf	1-1/2 hr. ⁴	4070	4070	40100		40100	4080	4080		40100	4080		4080	4080
Single Louver Pair Louver	1-1/2 hr. 3/4 hr.	4070 or 8070	4070 or 8070	40100 or 8080	3676 or 6070	40100 or 80100	4080 or 8080	4080 or 8080		40100 or 80100	40100 or 80100		4080 single	4080 single
Dutch Door Flush	3 hr. 1-1/2 hr. 3/4 hr. 1/3 hr.						3872			3672				
Pair 100 sq. in. (64,516) Per Leaf	3 hr. ¹ 1-1/2 hr. ² 1 hr. ² 3/4 hr. ² 1/3 hr. ²	8070	8070		6070	8080	8080	8080	8080	80100	8080			
Pair 100 sq. in. (64,516) Per Leaf	1 1/2 hr. ² 1 hr. ² 3/4 hr. ² 1/3 hr. ²	8070	8070	80100	6070	80100	8080	8080	8080	80100	80100			
Pair 1296 sq. in. (836,127) Per Lite	1 hr. ³ 3/4 hr. ² 1/3 hr. ²	8070	8070	80100	6070	80100	8080	8080		80100	80100			
Pair 1296 sq. in. (836,127) Per Leaf	1-1/2 hr. ⁴	8070	8070	80100	6070	80100	8080	8080		80100	80100			
Double Egress 100 sq. in. (64,516) Per Leaf	1-1/2 hr. ² 1 hr. ² 3/4 hr. ² 1/3 hr. ²	8070	6070	8080		8080	8080	6080	8080	80100	80100			
Open Back Strike 100 sq. in. (64,516) Per Leaf	1-1/2 hr. ² 1 hr. ² 3/4 hr. ² 1/3 hr. ²	8070	6070	8080	6070	8080	8080	8080	8080	8080	8080			
Double Egress 100 sq. in. (64,516) Per Leaf	3 hr. ¹ 1-1/2 hr. ² 1 hr. ² 3/4 hr. ² 1/3 hr. ²	8070	6070			8080	8080	6080	8080	80100	8080			
Single Embossed Pair Embossed	3 hr. 1-1/2 hr. 3/4 hr. 1/3 hr.			3680 or 7070		3680 or 7080		3680 or 7070						
Single Full Glass 2994 sq. in. (1,931,610) Maximum	20 min. without hose stream	4070	4070	4080		4080	4080	4080		4080	40100			
Sound Rated Fire Door	1-1/2 hr.											4080		

NOTE 1: Requires use of Firelite® brand ceramic glass, minimum stop height 5/8" (16). Firelite is a registered trademark of Nippon Electric Glass Co., Ltd.
 NOTE 2: Requires use of 1/4" (6) thick listed wired glass, minimum stop height 5/8" (16).
 NOTE 3: Requires use of Firelite brand ceramic glass, max. individual glass size 36" (914) wide x 54" (1372) high, not to exceed 1296 sq. in. (836,127), per leaf minimum stop height 5/8" (16). multiple lites allowed.
 NOTE 4: Requires use of Firelite brand ceramic glass, max. individual glass size 36" (914) wide x 36" (914) high, or 24" (610) wide x 54" (1372) high minimum stop height 5/8" (16); max. of 1296 sq. in. per leaf.



CURRIES fire doors and frames are available with either Underwriters Laboratories, Inc., or Warnock Hersey International Labels.

a Single Swing Frame – 3 Hour Rated

Max. Size: 4'0" (1219) wide x 10'0" (3048) high
Jamb Depth: 4" (76) min., 14" (356) max.
Face Dimensions: Masonry 1" (25) to 6" (102)
Drywall 1-1/4" (32) to 4" (152)
Material Thickness: 16 gauge min., 12 gauge max.

Construction: Knock-Down or Welded
Anchors: Masonry, Wood Stud, Steel Stud (loose or welded)

b Double Swing Frame

Max. Size: 3 hr. 8'0" (2438) wide x 10'0" (3048) high
Jamb Depth: 4" (76) min., 14" (356) max.
Face Dimension: Masonry 1" (25) to 6" (152)
Drywall 1-1/4" (32) to 4" (152)
Material Thickness: 16 gauge min., 12 gauge max.

Construction: Knock-Down or Welded
Anchors: Masonry, Wood Stud, Steel Stud (loose or welded)

NOTE: Frames with fixed mullion available, Max. 8'0" (2438) high

c Knock-Down Slip-On Drywall Frame – 1-1/2 Hour Rated

Max. Size: Single 4'0" (1219) wide x 9'0" (2743) high; Pairs 8'0" (2438) wide x 7'2" (2184) high or 7'0" (2134) wide x 9'0" (2743) high
Jamb Depth: 3-1/4" (83) min. on frames up to and including 3'6" (1067) wide x 7'0" (2134) high, 4-5/8" (117) on frames above 3'6" (1067) wide x 7'0" (2134) high, 14" (356) max.
Face Dimension: 1-1/2" (38), 1-3/4" (44) and 2" (51) only

Material Thickness: 16 gauge and 14 gauge only with UL and WHI.

Construction: Knock-Down Screw Lock Corner
Anchors: Screw Adjustable Compression Type. Security anchors welded into hinge and strike jambs are standard.

d Double Egress

Max. Size: 3 hr. 8'0" (2438) wide x 10'0" (3048) high
Jamb Depth: 4-3/4" (121) min., 14" (356) max.
Face Dimensions: 1-3/8" (35) min., 6" (152) max.
Material Thickness: 16 gauge min., 12 gauge max.
Construction: Knock-Down or Welded

Anchors: Masonry, Wood Stud, Steel Stud (loose or welded)

NOTE: Double Egress frames are for use only with CURRIES UL approved metal doors or any listed double egress wood doors.

e Multiple Opening Frame

Max. Size: 12'8" (3861) wide x 8'2" (2489) high
Masonry and Drywall Return Frames:
Jamb Depth: 4-3/4" (121) min., 14" (356) max.
Mullion Depth: 4-3/4" (121) min., 10-1/2" (267) max.
Jamb Face Dimension: 2" (51) min., 4" (102) max.
Mullion Face Dimension: 2" (51) min., 4" (102) max.

Double Egress:

Jamb Depth: 4-3/4" (121) min., 14" (356) max.
Mullion Depth: 4-3/4" (121) min., 14" (356) max.

Head Face Dimension: 1-3/8" (35) min., 4" (102) max.
Jamb Face Dimension: 2" (51) min., 4" (102) max.
Mullion Face Dimension: 2" (51) min., 4" (102) max.
Limitations: 1-1/2 hour (B) rated doors may be installed into this opening. Four doors in any combination of single, pairs or double egress, Welded construction only! CURRIES steel doors must be used in this opening. A 3/4" (19) latch throw is required on multiple opening frames.

f Transom Panel Frame Without Transom Bar – 3 Hour Rated

Max. Hollow Metal Transom Panel Size: 96" (2438) wide x 40" (1016) high

Max. Frame Opening Size: 8'0" (2438) wide x 10'0" (3048) high

Doors: Pairs: 8'0" x 8'0" 747 Series only
Singles: 4'0" x 8'0" 707 or 747 Series
Jamb Depth: 5" (127) min., 14" (356) max.
Face Dimensions: 2" (51) min., 4" (102) max.
Material Thickness: 16 gauge min., 12 gauge max.

Max. Frame Opening Size: Knock-down construction 7'6" (2286) wide x 10'0" (3048) high and for welded construction 8'0" (2119) wide x 10'0" (3353) high

g Fire Window Frame – 1 Hour Rated

Max. Size: 10'2" (3099) wide x 10'1" (3073) high for masonry walls or drywalls with a noncombustible masonry sill.

Max. Size: 9'2-1/2" (2807) wide x 4'11 1/2" (1511) for drywall walls

Jamb Depth: 4-7/8" (124) min., 14" (356) max.
*Face Dimension: 1" (25) min., 12" (305) max.
Material Thickness: 16 gauge min., 14 gauge max.

Max. Individual Glass Size: 54" (1372) wide x 77 3/4" (1975) high, not to exceed 2721 sq. in. (1,755,480). See note 1.

Anchors: Masonry, Wood Stud, Steel Stud (loose or welded)

Fire Window Frame – 3/4 Hour Rated For Use On A Masonry Noncombustible Sill

Max. Size: 13'6" (4115) wide x 12'0" (3658) high masonry walls

Max. Size: 11'4" (3454) wide x 10'0" (3048) high drywalls with masonry noncombustible sill
Jamb Depth: 5" (127) min., 14" (356) max.
*Face Dimension: 2" (51) min., 12" (305) max.
Material Thickness: 16 gauge min., 12 gauge max.

Max. Individual Glass Size: a) 54" (1372) wide x 54" (1372) high, not to exceed 1296 sq. in. (836,127) with 5/8" (16) stop height. See note 2; b) 95" (2413) wide x 95" (2413) high, not to exceed 3325 sq. in. (2,145,157), minimum stop height 5/8" (16). See note 1; c) 98" (2489) wide x 98" (2489) high, not to exceed 4704 sq. in. (3,034,833), minimum stop height 5/8" (16). See note 3.

Anchors: Masonry, Wood Stud, Steel Stud (loose or welded)

Fire Window Frame – 3/4 Hour Rated For Use On A Drywall Sill

Max. Size: 10'0" (3048) wide x 5'1" (1549) high
Jamb Depth: 4-1/2" (114) min., 14" (356) max.
*Face Dimension: 1-1/2" (38) min., 12" (305) max.
Material Thickness: 16 gauge min., 12 gauge max.

Max. Individual Glass Size: a) 54" (1372) wide x 54" (1372) high, not to exceed 1296 sq. in. (836,127) with 5/8" (16) stop height.

See note 2; b) 95" (2413) wide x 95" (2413) high, not to exceed 3325 sq. in. (2,145,157) minimum stop height 5/8" (16). See note 1; c) 98" (2489) wide x 98" (2489) high, not to exceed 4704 sq. in. (3,034,833), minimum stop height 5/8" (16). See note 3.

Anchors: Masonry, Wood Stud, Steel Stud (loose or welded)

Fire Window Frame – 20 Minutes Without Hose Stream

Max. Size: 13'2" (4013) wide x 9'7" (2921) high
Jamb Depth: 4-1/2" (114) min., 14" (356) max.
*Face Dimension: 2" (51) min., 12" (305) max.
Material Thickness: 16 gauge min., 12 gauge max.
Max. Individual Glass Size: 109-3/4" (2788) wide x 109-3/4" (2788) high, not to exceed 5268 sq. in. (3,398,702). See note 2.

Anchors: Masonry, Wood Stud, Steel Stud (loose or welded)

h Transom And/Or Sidelite/Panel Frame Panel Frames – 1-1/2 Hour Rated

Max. Size for Transom Panels: Steel Stiffened, Polystyrene, or temp. rise core design – 96" (2438) wide x 48" (1219) high or 96" (2438) wide x 48" (1219) high, 1-3/4" (44) thick. Solid Core Design, 1/2" thick 36" x 40"

Max. Size for Side Panels: Steel Stiffened, Polystyrene, or temp. rise core design – 48" (1219) wide x 96" (2438) high. Solid core design 1/2" thick – 36" (914) wide x 40" (1016) high.

NOTE: See Glazing Charts

i Lite Frames—3/4 Hour Rated—Max.

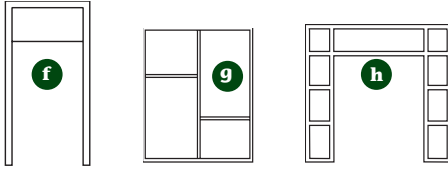
(Not Shown)

Individual Glass Size: 95" (2413) wide x 95" (2413) high, not to exceed 3325 sq. in. (2,145,157), minimum stop height 5/8" (16); See note 1.

Transom Lite in a Transom/Sidelite Frame: 106" (2692) wide x 36" (914) high, not to exceed 3816 sq. in. (2,461,931), minimum stop height 5/8" (16). See note 3.

Sidelite in a Transom/Sidelite Frame: 98" (2489) wide x 98" (2489) high, not to exceed 4704 sq. in. (3,034,833), minimum stop height 5/8" (16). See note 3.

Max. Size for Side/Transom Lite: 54" (1372) wide x 54" (1372) high, not to exceed 1296 sq. in. (836,127) using 5/8" (16) high glass stop. See note 2.



Max. Overall Frame Size: Masonry 13'6" (4115) wide x 11'11" (3632) high, Drywall 12'0" (3658) wide x 11'7" (3531) high
Jamb Depth: 4-3/4" (121) min., 14-1/2" (368) max.

*Face Dimensions: 2" (51) min., 12" (305) max.
Material Thickness: 16 gauge min., 12 gauge max.

Anchors: Masonry, Wood Stud, Steel Stud (loose or welded) lite configurations may vary.
Wood Transom Panel: Any listed manufacturer's wood transom panel.

Transom And/Or Sidelite Frame – 1 Hour Rated

Max. Size: 10'2" (3099) wide x 10'1" (3073) high
Jamb Depth: 4-7/8" (124) min., 14" (356) max.
*Face Dimension: 1" (25) min., 12" (305) max.
Material Thickness: 16 gauge min., 14 gauge max.

Max. Individual Glass Size: 54" (1372) wide x 77 3/4" (1975) high, not to exceed 2721 sq. in. (1,755,480). See note 1.

Anchors: Masonry, Wood Stud, Steel Stud (loose or welded)

i Fire Window Frame – Knock-Down Construction – Drywall Walls Only (Not Shown)

Max. Size: Based on max. visible glass size
1 Hour Rated: 54" (1372) wide x 77-3/4" (1975) high, not to exceed 2721 sq. in. (1,755,480) with Firelite Glass. See note 1.

20 min. without hose stream: 54" (1372) wide x 77-3/4" (1975) high, not to exceed 2721 sq. in. (1,755,480) with Firelite glass. See note 1.

3/4 Hour Rated: a) 54" (1372) wide x 54" (1372) high, not to exceed 1,296 sq. in. (836,127) with 5/8" (16) stop height. See note 2. b) Max. Individual Glass size 95" (2413) wide x 95" (2413) high, not to exceed 3325 sq. in. (2,145,157), minimum stop height 5/8" (16). See note 1.

c) Max. Individual Glass size 98" (2489) wide x 98" (2489) high, not to exceed 4704 sq. in. (3,034,833), minimum stop height 5/8" (16). See note 3.

20 Min. Without Hose Stream Rated: 109-3/4" (2788) wide x 109-3/4" (2788) not to exceed 5268 sq. in. (3,398,700). See note 2.
Jamb Depth: 4-1/2" (114) min., 14" (305) max.
Material Thickness: 16 gauge min., 12 gauge max.

Anchors: Wood Stud, Steel Stud (loose or welded)

k 18 Gauge Frames – Single Swing Frame – 1-1/2 Hour Rated (Not Shown) ITS only.

Max Size: 4'0" (1200) wide x 8'0" (2400) high
Jamb Depth: 4-1/8" (102) min., 14" (356) max.
Face Dimensions: Min. 1" (25)
Max Head: 4" (203)
Max Jamb: 4" (102)

Material Thickness: 18 Gauge
Construction: Knock down or welded.
Anchors: Masonry, wood stud, steel stud (loose or welded)

Double Swing Frame – 1-1/2 Hour Rated

Max Size: 8'0" (2400) wide x 8'0" (2400) high
Jamb Depth: 4-1/8" (102) min., 14" (356) max.
Face Dimensions: Min. 1" (25)

Max Head: 4" (203)
Max Jamb: 4" (102)
Material Thickness: 18 gauge
Construction: Knock down or welded
Anchors: Masonry, wood stud, steel stud (loose or welded)

Latchbolt Requirements

607 Single: 1/2" (13) min. latch throw.
607 Pairs: 5/8" (16) min. latch throw.
707 Single: 1/2" (13) min. latch throw.
707 Pairs: 5/8" (16) min. latch throw on pairs to 8' (2438) high. 3/4" (19) min. latch throw on pairs to 10' (3048) high.

727 Single: 1/2" (13) min. latch throw.
727 Pairs: 5/8" (16) min. latch throw.
747 Single: 1/2" (13) min. latch throw.
747 Pairs: 5/8" (16) min. latch throw.
747 Doors may also be prepared for two and three point latching devices.

Two and three point latching devices (not including fire exit hardware) must be installed at the factory.

Other Requirements

- CURRIES labeled fire exit doors may be prepared for any labeled fire exit hardware devices.
- Open back strikes may be used on pairs of 707 doors to a maximum of 8'0" (2184) high.
- Open back strikes may be used on pairs of 747 doors.
- Doors that are reinforced to be provided with fire exit hardware must bear a label which states "fire door to be equipped with fire exit hardware."
- Fire exit hardware may be applied to doors that are not reinforced for such hardware by the use of sex bolts or through bolts. These doors may not bear the label "fire door to be equipped with fire exit hardware."
- Double egress doors are intended to be provided with vertical rod devices either concealed or surface mounted.
- Doors equipped with fire exit hardware may not be provided with a louver.
- The door size used must not exceed the maximum size listed for the individual hardware manufacturers fire exit devices.
- Armour plating available, 48" x 16" max. size.
- Stainless steel doors available.
- All 3 hr. pairs of doors require overlapping steel astragal.
- All 727 pairs of doors require steel overlapping astragal.

Fire Exit Door Capabilities

Door Type	Rating (Max)	Size (Max)	Gauge (Face Sheet)
607	3 Hr.	4070 (1219x2134)	18
Single	1-1/2 Hr.	4070 (1219x2134)	20-18
607	3 Hr.	8070 (2438x2134)	18
Pairs	1-1/2 Hr.	8070 (2438x2134)	20-18
707	3 Hr.	3676 (1016x2184)	18
1-3/8" (35) Single	3 Hr.	3676 (1016x2184)	18
707	1-1/2 Hr.	40100(1219x3048)	20-18-16-14
Single	1-1/2 Hr.	40100(1219x3048)	20-18-16-14
707	3 Hr.	8080 (2438x2438)	20-18-16
Single	3 Hr.	8080 (2438x2438)	20-18-16
707	3 Hr.	8080(2438x2438)	18-16
Pairs	1-1/2Hr.	80100(2438x3048)	20-18-16
707	3 Hr.	8080(2438x2438)	20-18-16
Pairs	1-1/2Hr.	8080(2438x2438)	20-18-16
707	1-1/2 Hr.	8080(2438x2438)	18-16
Double Egress	1-1/2 Hr.	8080(2438x2438)	18-16
707	3 Hr.	6080 (1829x2438)	18-16
Double Egress	3 Hr.	6080 (1829x2438)	18-16
727	3 Hr.	4080 (1219x2438)	18-16
250°F Temp Rise Single	3 Hr.	4080 (1219x2438)	18-16
727	3 Hr.	8080 (2438x2438)	18-16
250°F Temp Rise Single	3 Hr.	8080 (2438x2438)	18-16
727	3 Hr.	8080 (2438x2438)	18-16
250°F Temp Rise Double Egress	3 Hr.	8080 (2438x2438)	18-16
747	3 Hr.	4080 (1219x3048)	18-16-14
Single	3 Hr.	4080 (1219x3048)	18-16-14
747	3 Hr.	8080 (2438x2438)	18-16-14
Pairs	3 Hr.	80100 (2438x3048)	18-16
747	1-1/2 Hr.	80100 (2438x3048)	18-16-14
Pairs	1-1/2 Hr.	80100 (2438x3048)	18-16-14
747	1-1/2 Hr.	80100 (2438x3048)	18-16-14
Pairs	1-1/2 Hr.	80100 (2438x3048)	18-16-14
747	3 Hr.	80100 (2438x2438)	18-16
Double Egress	3 Hr.	80100 (2438x2438)	18-16
847	3 Hr.	4080 (1219x2438)	14
Single	3 Hr.	4080 (1219x2438)	14
857	3 Hr.	4080 (1219x2438)	14
Single	3 Hr.	4080 (1219x2438)	14

NOTE 1: Requires use of Firelite brand ceramic glass.

NOTE 2: Requires use of 1/4" (6) thick listed wired glass.

NOTE 3: Requires use of Pilkington brand 1/4" (6) thick wired glass with Pemko Fire Glaze (FG) 3000.

* Face dimension capabilities vary with frame members.

● UL 10B only

○ UL 10B and UL 10C joint capability

Compliance

ASTM B117—Standard practice of operating salt spray (fog) apparatus.

ASTM C236—Test for thermal conductance and transmittance of built-up sections by means of the guarded hot box.

ASTM D610—Test method for evaluating degree of rusting on painted steel surfaces.

ASTM D714—Test method for evaluating degree of blistering of paints.

ASTM D1186—Standard test methods for non-destructive measurement of dry film thickness of non-magnetic coatings applied to a ferrous base.

ASTM D1735—Practice for testing water resistance of coatings using water fog apparatus.

ASTM D3359—Test method for measuring adhesion by tape test (paint).

ASTM E90—Standard test method for laboratory measurement of airborne sound transmission loss of building partitions and elements.

ASTM E283—Test method for determining the rate of air leakage through exterior windows, curtain walls, and doors under specified pressure differences across the specimen.

ASTM E413—Classification for rating sound transmission.

ASTM E330—Standard test method for structural performance of exterior windows, curtain walls, and doors by uniform static air pressure difference.

ASTM E1886—Performance of exterior windows, curtain walls, doors, and storm shutters impacted by missiles and exposed to cyclic pressure differentials.

ASTM E1996—Performance of exterior windows, curtain walls, doors, and storm shutters impacted by windborne debris in hurricanes.

Foam Core Standards— Polystyrene/Polyisocyanurate

ASTM C553—Specification for mineral fiber blanket thermal insulation for commercial and industrial applications.

ASTM C578—Specification for preformed, block-type cellular polystyrene thermal insulations.

ASTM C591—Specification for unfaced preformed rigid cellular polyisocyanurate thermal insulation.

Steel & Galvanizing Standards

ASTM A1008—Standard specification for steel, sheet, cold rolled, carbon, structural, high-strength low-alloy and high-strength low-alloy with improved formability.

ASTM A568—Specification for steel, carbon, high strength, low-alloy hot-rolled strip, and cold-rolled sheet, general requirements.

ASTM A1011—Standard specification for steel, sheet and strip, hot-rolled, carbon, structural, high strength low-alloy and high strength low-alloy with improved formability.

ASTM A653—Specifications for steel sheet, zinc-coated (galvanized) or zinc iron alloy-coated (galvannealed) by the hot-dip process.

ASTM A924—General requirements for steel sheet metallic coated by the hot-dip process.

Hollow Metal Industry Standards

HMMA 861—Specifications for commercial hollow metal doors and frames.

HMMA 862—Specifications for commercial security hollow metal doors and frames.

HMMA 867—Guide specifications for commercial laminated core hollow metal doors and frames.

ANSI/SDI A250.7—Nomenclature: standard steel doors and steel door frames.

ANSI A250.10—Standard test procedure and acceptance criteria for prime-painted steel surfaces for steel doors and frames.

ANSI A250.4—Test procedure and acceptance criteria for physical endurance for steel doors and hardware reinforcing.

ANSI A250.8—SDI-100 recommended specifications for standard steel doors and frames (supersedes ANSI/SDI 100).

ANSI A250.13—Testing and rating of Severe Windstorm Resistant Components for swinging door assemblies.

Life Safety

ANSI/NFPA 105—Installation of smoke and draft control door assemblies.

NFPA 252—Fire tests of door assemblies.

UL 10B—Fire tests of door assemblies.

UL 10C—Positive Pressure fire tests of door assemblies.

UL 63—Fire door frames.

Door & Frame Preparation Standards

ANSI A115.1—Specifications for standard steel door and steel frame preparations for mortise locks 1-3/8" (35) and 1-3/4" (44) doors.

ANSI A115.2—Specifications for standard steel doors and frame preparation for bored or cylindrical locks for 1-3/8" (35) and 1-3/4" (44) doors.

ANSI A115.4—Specifications for standard steel doors and frame preparation for lever extension flush bolts.

ANSI A115.5—Specifications for steel frame preparation for 181 Series and 190 Series deadlock strikes.

ANSI A115.6—Specifications for standard steel door and steel frame preparation for preassembled door locks (unit lock).

ANSI A115.12—Specifications for standard steel door and steel frame preparation for offset intermediate pivot.

ANSI A115.13—Specifications for standard steel door and steel frame preparation for tubular deadlocks.

ANSI A115.14—Specifications for standard steel doors for open back strikes.

ANSI A115.15—Specifications for preparation of 1-3/4" (44) prehung insulated steel doors and steel frames for Series 4000 bored locks and latches.

ANSI A115.16—Specifications for preparation of prehung insulated steel doors and steel frames for double type locks.

ANSI A115.17—Specifications for preparation of 1-3/8" (35) and 1-3/4" (44) standard steel doors and steel frames for double type locks.

ANSI A115.18—Preparation for bored locks and latches with lever handles for 1-3/8" (35) and 1-3/4" (44) doors and frames.

ADA Compliant



The Americans with Disabilities Act of 1990 (ADA) became effective in 1992. CURRIES is committed to compliance with this national mandate for eliminating

discrimination against individuals with disabilities. The company's hollow metal product line has the ability to meet the most demanding requirements.

CURRIES knock-down frames with narrow [1" (25), 1-1/4" (32), 1-1/2" (38), 1-3/4" (44), and 2" (51)] face dimensions allow the use of standard rough openings in existing or new construction and still provide "clear" opening requirements as specified by the ADA. Special size doors and frames are produced to meet special needs simultaneously with our standard products.

Testing

CURRIES Type 707S 16 Gauge 4070 (1219 x 2134) Door Passes 2,000,000 Cycle Physical Endurance & Twist Tests.

Even though the ANSI test required only a 3070 door, CURRIES tested a larger 4070 door. In spite of the increased potential for failure, the CURRIES door exhibited exceptional performance.

The CURRIES door was initially subjected to the ANSI SDI A250.4 Level A door test of 1,000,000 operating cycles and twist tested 23 times during the cycle test.

Test Results

The CURRIES door more than met test requirements. No metal fatigue. No cracking or deformation at hardware provision cutouts or along form contours. No delamination. No seam separation or weld breakage. No misalignment.

The door yielded less than 50% of the allowable deflection during twist tests.

Test Levels & Cycles

CURRIES Door Type & Frame Type	Cycles Beyond Level A Door Requirements					
	C	B	A	1,500,000	2,000,000	4,000,000
16 Gauge 707 Door						
18 Gauge 707 Door						
16 Gauge, 5-3/4" Jamb Depth, KD Drywall Slip-On Frame with Compression Anchor & Standard Base Anchor						
16 Gauge, 5-3/4" Jamb Depth, KD Masonry Frames & Anchors						
18 Gauge 607 Door						
20 Gauge 707 Door						
16 Gauge 747 Door						

The door test was then extended to 2,000,000 cycles and 46 twist tests (double the test requirements for level A doors). Even after 1,000,000 additional cycles, the door passed the level A door

test acceptance criteria without any functional breakdown. Internal visual after sectioning: No failures noted. Still yielded less than 50% of allowable deflection.

Properties

I. Door/Frame Performance

Cycle Test

Doors

ANSI A250.4 Test Procedure
707 door, 18 gauge—2 million cycles
707 door, 16 gauge—2 million cycles
607 door, 18 gauge—2 million cycles
747 door, 16 gauge—4 million cycles

Frames

Knock-down frame with stud type anchors—
1 million cycles
Knock-down frame with compression anchors—
1 million cycles

Thermal

ASTM C236 and SDI 113 Test Procedures
707 door and frame assembly—0.24 U Factor
747 door and frame assembly—0.36 U Factor
CURRIES Thermal Break Frame—0.43 U Factor

Sound

ASTM E90, E413, and Test Procedures
707 door and frame assembly—STC 24*
747 door and frame assembly—STC 43*
757 door and frame assembly—STC 46

Fire Rating

UL 10B, ANSI/NFPA 252 Test Procedures, UL 10C,
UBC 7.2-97
607 & 707 doors—3 hr., 1-1/2 hr., 3/4 hr.,
20 minute hourly ratings
747—3 hr., 1-1/2 hr., 3/4 hr.,
20 minute hourly ratings

Hinge Screw Pull-Out Strength

14 gauge door hinge channel with extruded
hole—1240 lbs. per screw/5000 lbs. (2268)
per hinge.

Door Physical Performance

Surface Load—1440 PSF at 1/4" (6) deflection
Sag—1000 lbs. (454) at 1/8" (3) lateral deflection
Hinge Reinforcing Break Loose—6670
lbs. (3025) to failure
Twist—700 lbs. (318) at 1" (25) deflection
Bow—2000 lbs. (907) to failure

II. Material Performance & Specifications

Steel

Cold-Rolled—ASTM A568, ASTM A1008
Hot-Rolled—ASTM A1011
Galvanized—ASTM A924, A653, A-40,
A-60 and G-90 coatings

Stainless Steel—Type 304—#4 satin finish

Core

Polystyrene—ASTM C578 Type 1, 1.0 lb. (.45)
nominal density expanded polystyrene,
R Value = 7.25

Polyisocyanurate—ASTM C591, 1.75 lb. minimum
(.45) density rigid cellular isocyanurate foam,
R Value = 12.5

Fiberglass—ASTM C553, 0.75 lb. (.34) density
flexible glass blanket insulation, R Value = 6

Temperature Rise Door Core—UL Listed Fire door
core board, 15 lb. minimum density mineral fiber
board (nonasbestos)

Prime Paint

Doors—Gray color, alkyd base, non-lifting primer,
ANSI A250.10, salt spray 120 hours, humidity
240 hours

Frames—Gray color, epoxy non-lifting primer.
ANSI A250.10, salt spray 240 hours, humidity
240 hours

III. Industry & Government Specifications

CURRIES steel doors and frames meet or exceed
the requirements of these specifications:

ANSI 250.8	CEGS 08110 (CE-225.02)
ANSI/NFPA 80	FEMA 320 & 361
SDI 117	CEGS 08300 (CE-225.03)
ANSI/NFPA 101	ASTM E1886
SDI 118	DOD 4270.21
	Federal Specification
	UL 10B
	UL 752
	RR-D-575
	UL10C
	PBS: 4-0810
	UL 9
	(supersedes 222-1A)
	ASCE 7
	VA Masterspec section 08110
	CSI-08111 (spec. section 24A)
	CSI-08114
	NAVFAC (NFGS) 08110, ANSI A115 Series
	Florida Building Code Test Protocols TAS 201, TAS 202, TAS203

*Contact factory for details.

ASTM E90

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Founded in 1958, CURRIES is an industry leader in the manufacture of hollow metal doors and frames. The company supplies a full line of custom and standard products for new and retrofit construction projects in the commercial, institutional, educational and healthcare markets.

ASSA ABLOY is the world's leading manufacturer and supplier of locking solutions, meeting tough end-user demands for safety, security and user friendliness.