MESKER

The newest innovations in hollow metal,
from the oldest hollow metal company in America.

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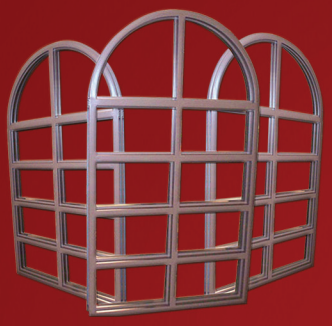


Mesker Door, Inc. manufactures hollow metal doors, frames, and hardware for the commercial, industrial and institutional construction markets. Our products represent the pinnacle of innovation, craftsmanship and quality. Mesker Door, Inc. has been a distinguished leader in the building industry for more than 145 years, longer than any other hollow metal door and frame company in America.

tel (256) 851-6670 **fax (256) 851-7896**

Distributor Information

Our Family of Companies:

MESKER
The newest innovations in hollow metal,
from the oldest hollow metal company in America.
www.meskerdoor.com

Design Hardware
Manufacturer of High-Quality Commercial Door Hardware
www.designhardware.net
877-258-1262

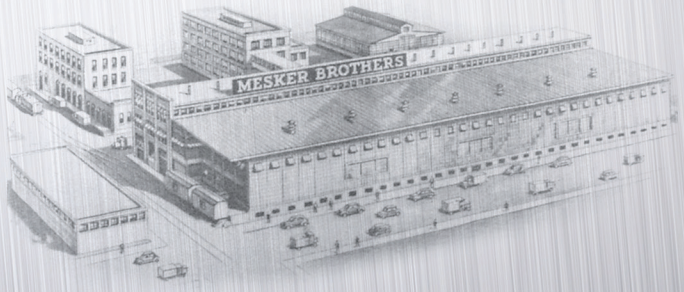
web101dev
High Impact Multimedia and Web Design
www.web101dev.com
888-932-1013

MID-AM METAL FORMING, INC.
America's Premier Precision Stretch Forming Company
www.curvehollowmetal.com
800-767-2884

MESKER

1864

The newest innovations in hollow metal,
from the oldest hollow metal company in America.



HOLLOW METAL DOORS AND FRAMES

US Map, 1846

1846

Historic beginning

Sheet Metal

Rivalry

German immigrant John Mesker starts his own company primarily doing tinning and iron work.

1864

Mesker starts using sheet metal for architectural ornaments and entrances.

Mesker pioneers sheet metal fronts in lieu of masonry and cast iron fronts.

Mesker is the first to use metal sheets for entrances (including doors) which are referred to today as "hollow metal doors."

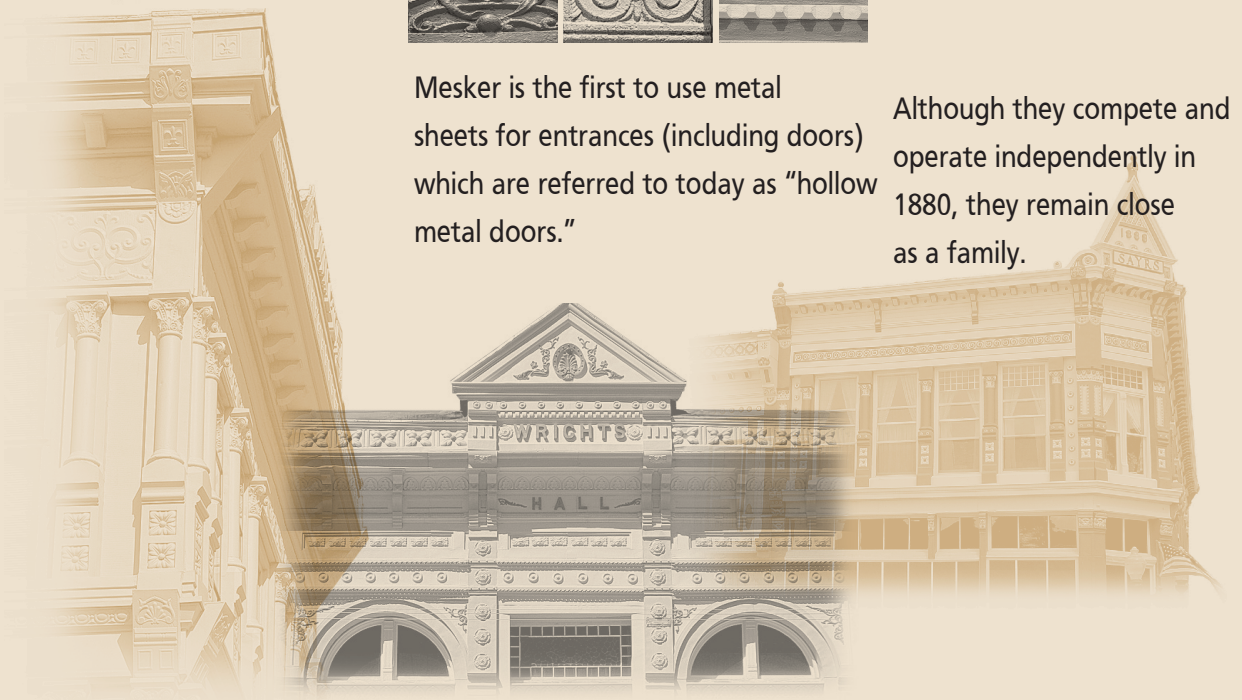
1879

John Mesker trains his 3 sons in the business to carry on his legacy. They divide up into 2 companies.

1880

Bernard Mesker & Frank Mesker grow Mesker Brothers Ironworks in St. Louis, MO, while brother George builds George L. Mesker Company in Evansville, IN.

Although they compete and operate independently in 1880, they remain close as a family.



Design flexibility

Innovation

Solutions

1904

Mesker wins the Architectural Gold Medal (the highest award) at the 1904 Worlds Fair for articles they manufacture.

1912

Mesker Brothers Iron-works in St Louis, MO is incorporated.

1920

Although the cast iron Victorian facades and entrances fall out of vogue in the 20th century, Mesker changes with the times and continues with its theme of using sheet metal to make hollow metal doors and frames in a more streamlined fashion.

1981

The Evansville foundry closes in 1981, but the St. Louis Mesker Company continues to flourish.

SEE OUR GREEN CERTIFICATION ON OUR WEBSITE

Problem-Solving

Strength

Patents

1988

Mesker moves from St. Louis to Huntsville AL

1996

Mesker Door builds a brand new, 155,000 sq. ft., state-of-the-art manufacturing facility, specifically designed to engineer and manufacture hollow metal doors and frames. Mesker continues to expand at that same location today.

2007

Mesker buys it's core manufacturing supplier and increases production with new Amadas and other high-tech equipment.

2009

Mesker launches: The new patent-pending eNViouS Door Series - The fully welded, seamless edge door without bondo; The new patent-pending Slide Lock Door - The solution to the replacement door industry; Mesker Paint - State of the art pre-finished hollow metal.

NVSdoor®
Ordinary Doors Don't Seam the Same™

MESKER
SLIDE LOCK DOOR
1864

MESKER
Paint

Over a century later, the Mesker name lives on and still remains an American owned, privately-held company and most of all - remains an innovative American manufacturer.

MESKER

1864

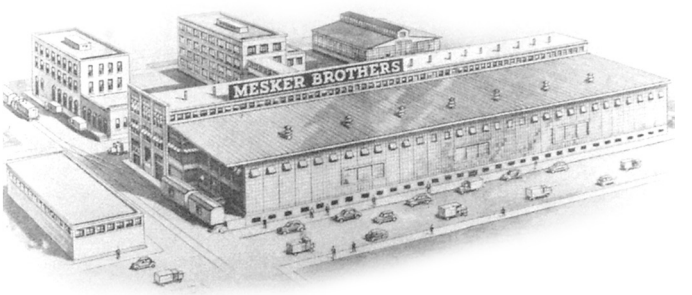
The newest innovations in hollow metal,
from the oldest hollow metal company in America.

www.oldestmetaldoor.com

It's true.
We invented the metal door.

If superior quality and a great value are primary concerns, then consider investing in our line of stock hollow metal doors and frames. After all, we invented the metal door over 150 years ago.

Mesker's no-compromise values, backed by a nation-wide group of distributors and exceptional customer service, have made us a distinguished national leader among architects and contractors. We engineer our doors and frames to be the most rugged and durable in the commercial construction industry, with best-in-class fit & finish. We frequently exceed Steel Door Institute and Architectural Design specifications.

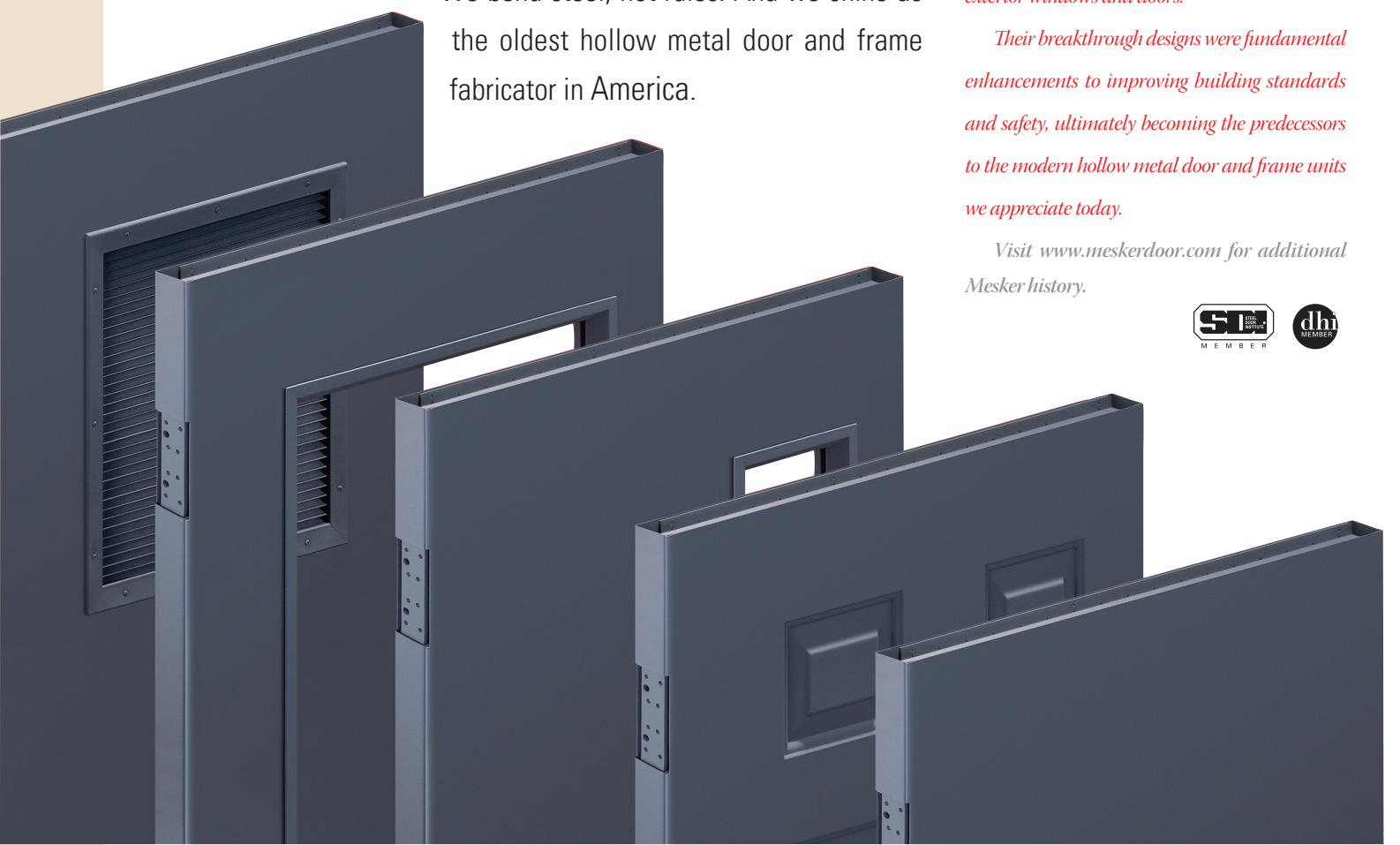


The Mesker brothers began producing hollow metal storefront facades in 1846. By the turn of the century, they were in full production fireproofing exterior windows and doors.

Their breakthrough designs were fundamental enhancements to improving building standards and safety, ultimately becoming the predecessors to the modern hollow metal door and frame units we appreciate today.

Visit www.meskerdoor.com for additional Mesker history.

Our mantra is simple. We cut metal, not corners. We bend steel, not rules. And we shine as the oldest hollow metal door and frame fabricator in America.

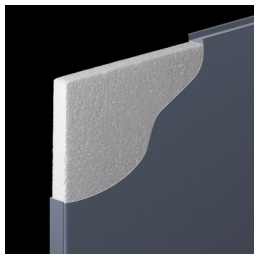


A quality door right down to the core.

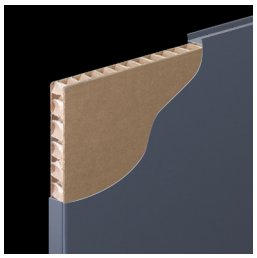
Quality comprises many things, i.e. listening to our customers' needs, utilizing superior engineering know-how, using only premium components, and guaranteeing complete customer satisfaction. That's why we introduced the non-handed "one door four cores does it all." Our door is easier to install because it eliminates handing issues at the job site. In addition, it simplifies inventory and makes our system more economical for our customers.

Mesker boasts one of the largest lines of door products from a single hollow metal manufacturer. We offer an array of door styles to complement your building design using our standard, yet versatile N-Series unit. Choose from our custom-size light kit and louver doors, or select from the more decorative multi-panel doors. We also have a large variety of custom doors including sound doors and bullet-resistant doors.

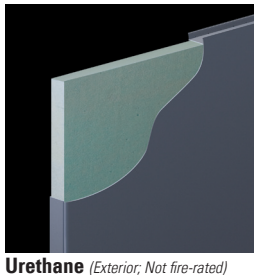
All Mesker units comply with SDI,[1] ANSI, ASTM and ADA requirements and exceed all test criteria available for physical endurance and cycle of use. To ensure superior fit and finish, in addition to maximum unit life, every Mesker door is manufactured as specified:



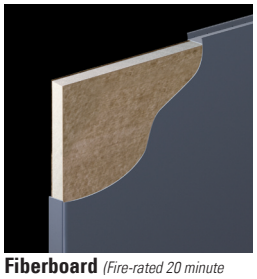
Polystyrene *(Our standard core; Fire-rated 20 minute to 3 hour)*



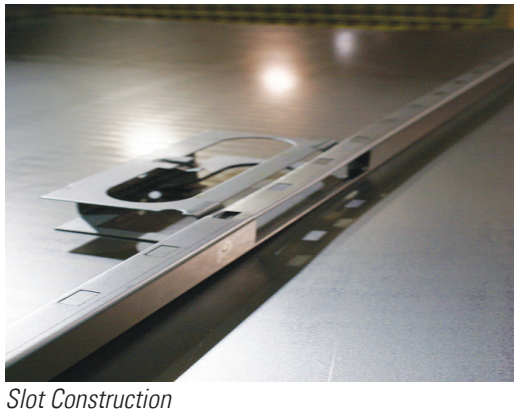
Honeycomb *(Fire-rated 20 minute to 3 hour)*



Urethane *(Exterior; Not fire-rated)*

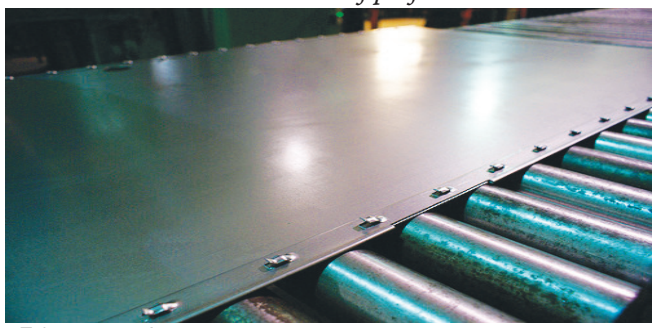


Fiberboard *(Fire-rated 20 minute to 3 hour; 250°F Temperature Rise)*



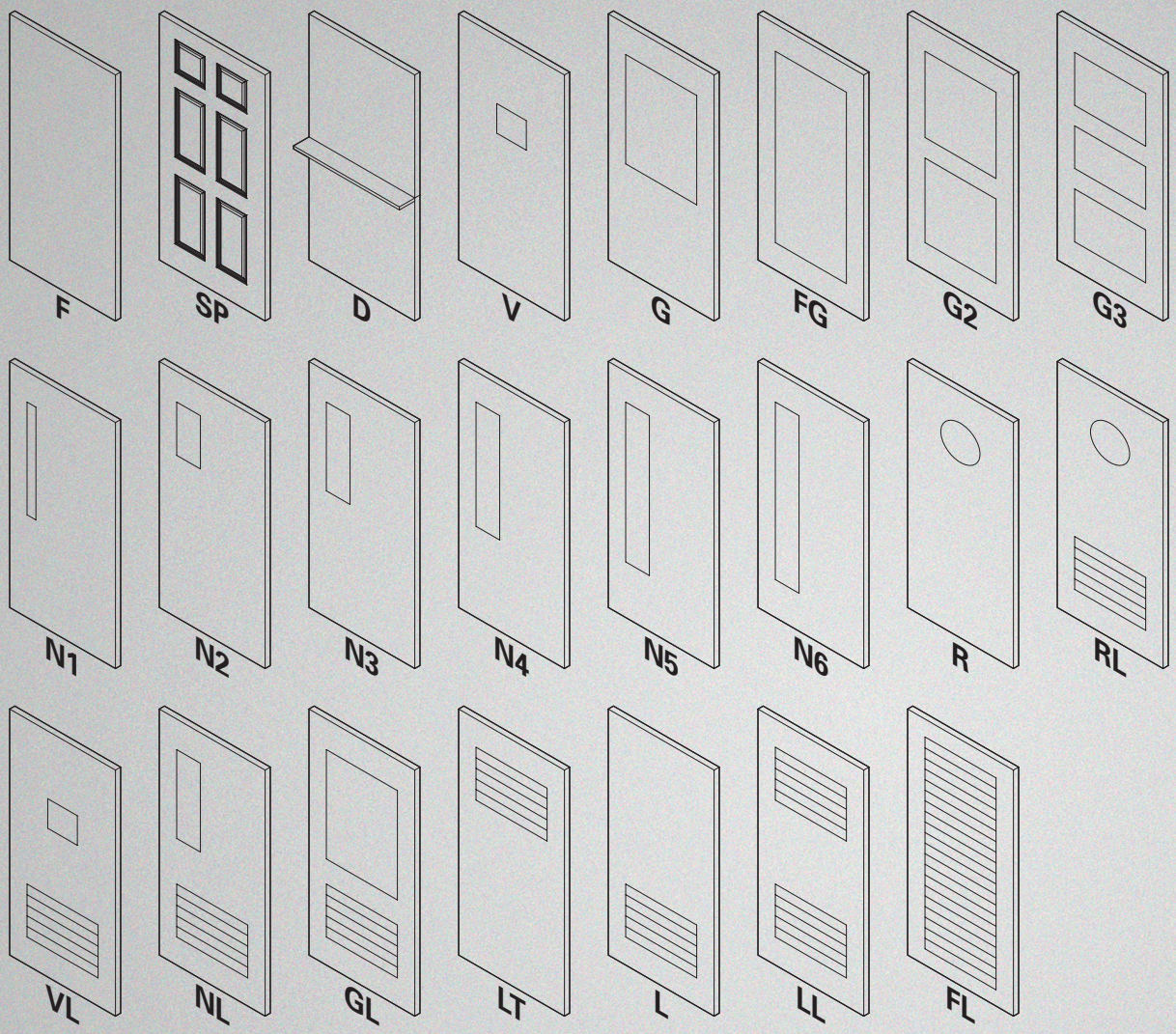
Slot Construction

- *Our standard 18 gauge door is built for commercial-duty while our 14 gauge is designed for abusive applications. Select from 20, 18, 16 or 14 gauge, cold-rolled steel. For corrosive applications, we recommend A60 Galvannealed steel.*
- *We use an exclusive, interlocking pan and lid design fortified using plug-welds to prevent sagging and increase door stiffness by 40%.*
- *We use 3/16-inch, 7 gauge hinge reinforcements. The top hinge reinforcement is an extra-long, high frequency reinforcement with 50% more welds and extra length for added strength.*
- *Choose from polystyrene, honeycomb, urethane, or fiberboard cores.*
- *We use hemmed edges for 20-16 gauge units which provides an extra smooth transition between faces. For a classier look and stronger door, try our new patent-pending eNViouS (NVS) seamless door as an upgrade.*
- *We use NVS seamless edges standard for 14 gauge doors.*
- *All doors are universal handed, which can be attributed to our mirrored hole pattern and reversible filler plate.*
- *All doors come with a closer reinforcement box.*
- *All doors have a lock reinforcement, prepped for a cylindrical lock with a 2-3/4 backset[3] or a mortise lock with a 2-3/4 backset.[4]*
- *We use 16 gauge, recessed top and bottom channels for easy field trim. Top channel can be made flush at no charge.*
- *All doors are cleaned, phosphatized, and painted with a single coat of rust inhibitive primer.*
- *Now available in thousands of prefinished colors.*

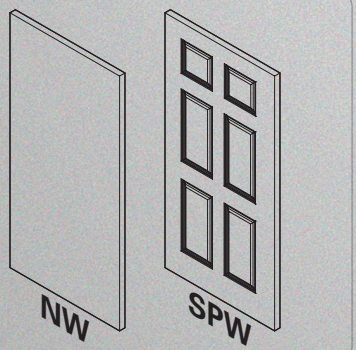


Tab construction

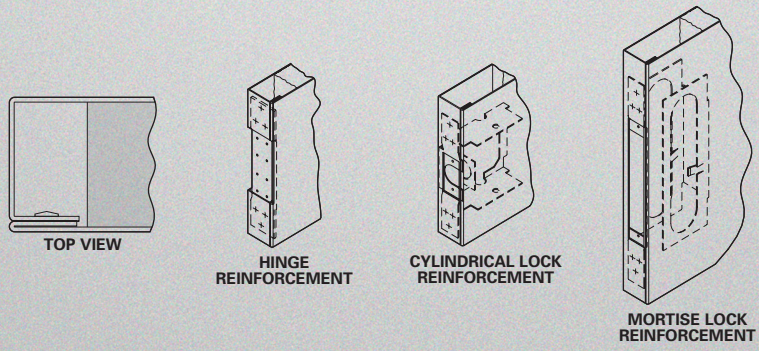
[1] SDI 100 Level 1 and 2 government design specifications
[2] Per UBC-72(97), UL10B, and UL10C specifications
[3] Govt. 161 per ANSI A115.2 lock front
[4] Govt. 86 per ANSI A115.1 lock front



HOLLOW METAL DOOR STYLES



WOOD VENEERS



CUTAWAY DETAILS

Level 1
(MPSA) Medium Power Small Arms
.38 Caliber

Level 2
(HPSA) High Power Small Arms
.357 Caliber

Level 3
(SPSA) Super Power Small Arms
.44 Caliber

Non-handed, N-Series Door

The non-handed, N-Series door meets the requirements of virtually any opening — from sound deadening to energy cost reduction to fire rating. They come in a variety of gauges, sizes and styles and can be custom manufactured to meet your unique design requirements.

- *Standard specifications are listed on page 4.*
- *Our fire-rated doors come standard with 20 minute to 3 hour Factual Mutual (FM) mylar labels. Underwriters Laboratories (UL) or Warnock Hersey, fire-rated labels are optional.*
- *Our 20 minute to 1-1/2 hour fire-rated door can be equipped with light kit (Sizes vary dependent on fire-rating. See page 20 for chart).*
- *We offer STC 51 doors which comply with the Americans with Disabilities Act (ADA) and the American Society for Testing and Materials (ASTM).*
- *Door can be equipped with light/louver kits.*

Temperature Rise Doors

The Mesker temperature rise door has a best-in-class rating for heat transmission, as tested by Underwriters Laboratory in accordance with ASTM E152. Our unique design, in conjunction with a premium fiberboard core, will keep the side of the door not exposed to fire below 250˚F for 30 minutes. This is superior to our competitors' 400˚F units which can remove human skin if touched.

- *Standard specifications are listed on page 4.*
- *Temperature rise doors can be fire-rated 20 minute to 3 hour per the same specifications as the N-Series Door listed above.*

Bullet-resistant Door

Our 14 gauge, bullet-resistant assembly is constructed identically to our standard Mesker N-Series door except for an additional backup plate welded to the inside face of the pan. It's designed to deflect, at close range, Level 3 SPSA ammunition.

- *Standard specifications are listed on page 4.*
- *Available in sizes up to 4'-0" x 10'-0".*
- *Bullet-resistant doors can be fire-rated 20 minute to 3 hour per the same specifications as the N-Series Door listed above.*
- *Assemblies have an approved rating of Level III by Underwriters Laboratory. Level IV and V can be custom ordered upon request.*
- *See www.meskerdoor.com for UL Certificate documentation.*

Steel-stiffened Door

Our steel-stiffened door has all the great features of the standard N-Series in addition to a series of vertical stiffeners running the entire length of the door. They are best suited for for high traffic areas like hospital and school corridors.

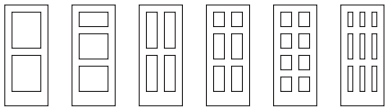
- *Standard specifications are listed on page 4.*
- *18 gauge in sizes up to 4'-0" x 8'-0". 16 and 14 gauge for larger sizes up to 4'-0" x 10'-0".*
- *Steel-stiffened doors can be fire-rated 20 minute to 3 hour per the same specifications as the N-Series Door listed on page 7.*
- *Additional 20 gauge, vertical stiffeners which span the entire door length, provide additional safety and security while helping to eliminate door torsion.*
- *Door can be equipped with light/louver kits.*

Dutch Door

Our dutch door is ideally suited for child care facilities, churches and hospitals. These units provide necessary room-to-room safety and security without sacrificing visibility and communication.

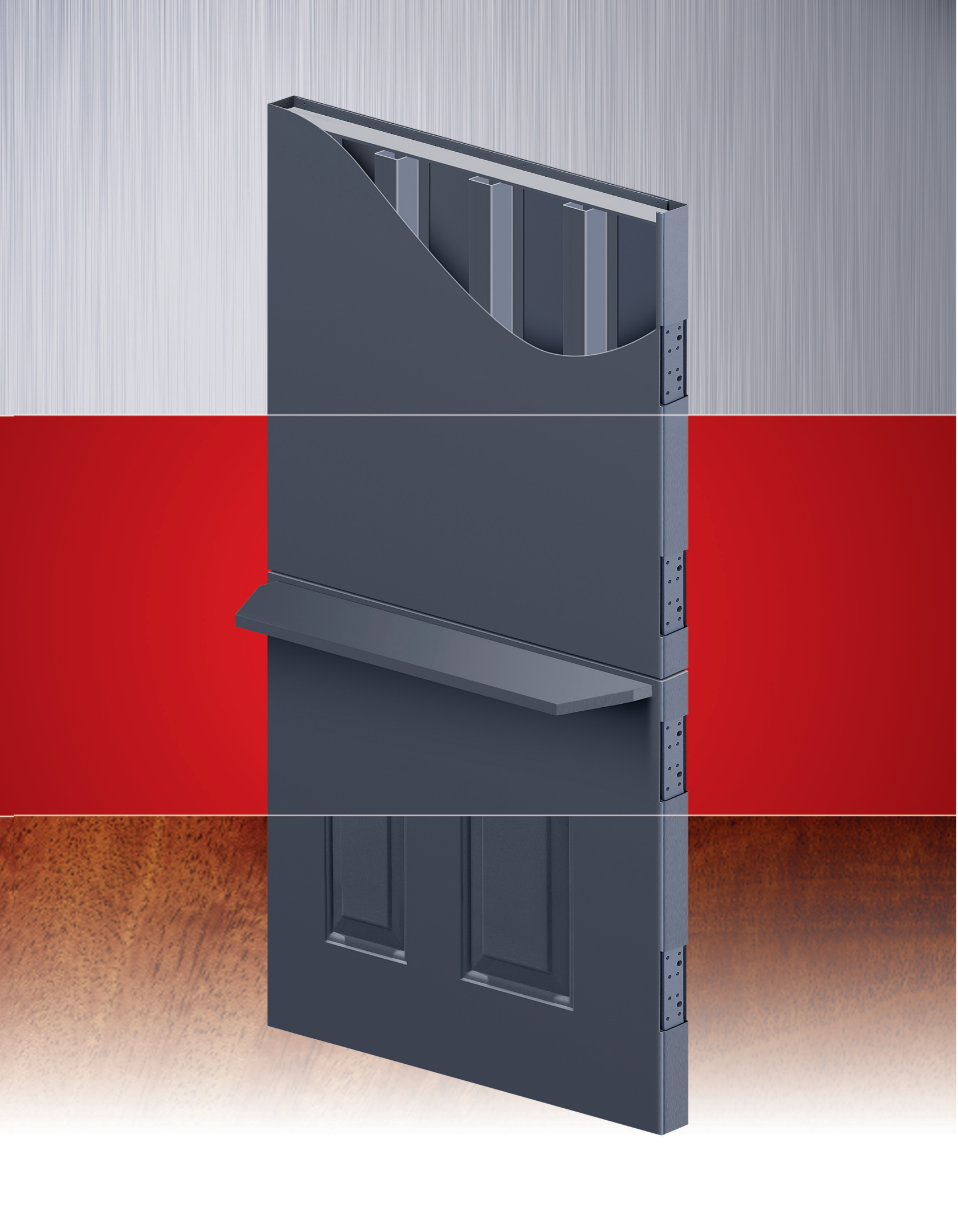
- *Standard specifications are listed on page 4.*
- *Doors available in 18, 16 and 14 gauge, in sizes up to 4'-0" x 10'-0".*
- *Dutch doors can be fire-rated 20 minute to 1-1/2 hour per the same specifications as the N-Series Door listed on page 7.*
- *Top and bottom leafs can be prepped for cylindrical, mortise, or through-bolt locks.*
- *Door can be equipped with light/louver kits.*
- *Dutch door shelves are optional.*

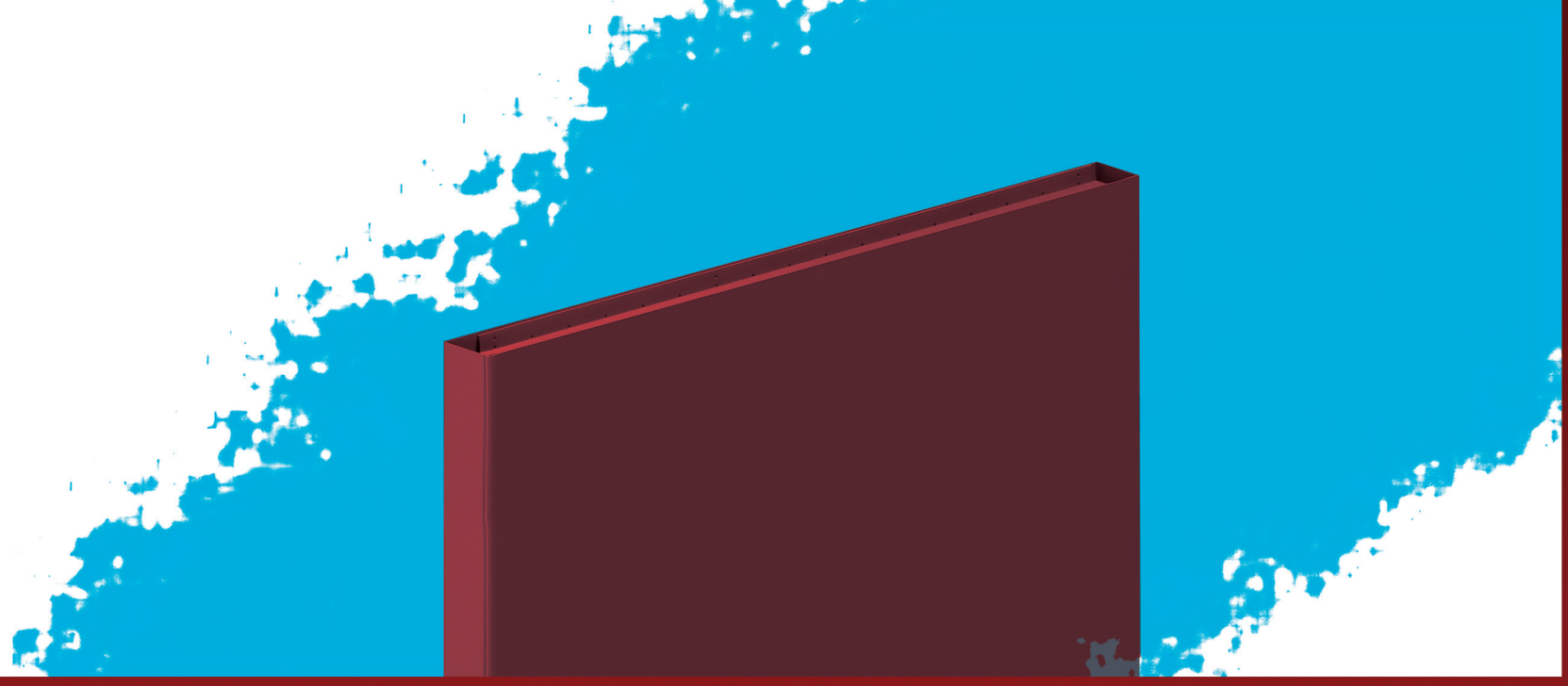
Multi-Panel Door



Our strong panel units enhance the beauty of a room and give you improved safety and security when compared to wood doors. Available in 2-, 3-, 4-, 6-, 8-, or 9-panel configurations.

- *Standard specifications are listed on page 4.*
- *Panel doors can be fire-rated 20 minute to 3 hour per the same specifications as the N-Series Door listed on page 7.*
- *Steel panel doors are available in 18 gauge, A60 Galvannealed steel and can range in size from 2'-8" to 3"-0" width and 6'-8" to 7'-0" height.*
- *Wood grain panel doors are available in 18 gauge A60 Galvannealed steel and can range in size from 2'-8" to 3"-0" width and 6'-8" to 7'-0" height.*
- *Available in a polystyrene core only, which is fully-bonded to rigid panel face sheets.*
- *Custom Panels can be special ordered upon request.*





Wrap Plate Option

I-Lock Option

MESKER Paint

www.meskerpaint.com

Introducing the latest technology in prefinished doors and frames. The new state-of-the-art paint system at Mesker provides you with the freedom to choose from thousands of Sherwin Williams colors, while providing a durable, electrostatic, baked-on finish that you can trust to stand the test of time. Manufacturing with the environment in mind, this water-based finish is HAPS and VOC free, creating a winning combination of beauty and durability that is also good for our planet.

Go Green

SHERWIN WILLIAMS.

1864

MESKER SLIDE LOCK DOOR

www.slidelockdoor.com

Your Replacement Door Solution

The new patent-pending Slide Lock Door from Mesker is your all-in-one commercial replacement door solution. Featuring the patent-pending slide lock, along with a full mortise continuous geared hinge, and commercial lockset, the Slide Lock Door covers almost 100% of existing commercial hinge and strike locations. The hardware is preapplied to the door for easy installation and packaged for maximum protection during shipping.

- *I Lock Option: A sleek , escutcheon plate design with an extra deadbolt for added security, and one step egress for safe exit from the building.*
- *Wrap Plate Option: A stainless steel edge wrap for the fastest installation available.*

NVSdoor®

Ordinary Doors Don't Seam the Same™

www.nvsdoor.com

Lifetime Structural Weld Warranty

Non-Handed Vertical Edges Seamless

We are proud to introduce the patent-pending technology that is revolutionizing seamless doors in both strength and aesthetics. When you order seamless doors from Mesker, you don't get filler… you get the real thing- continuously welded seamless vertical edges that more than double the strength of standard seamed-edge doors, with no bondo, putty, or filler. Equipped with a lifetime structural weld warranty, the NVS doors from Mesker offer unparalleled strength, quality and beauty that won't crack or change over time.

- *To specify the patent-pending NVS door on your project, please see the NVS specification on page 19.*

Hurricane

Mesker's Hurricane assemblies are available in a wide variety of configurations to satisfy Florida Building codes, along with Dade, and Broward County testing. Mesker Hurricane assemblies are approved for High Velocity Hurricane Zones (HVHZ), non-HVHZ's, impact and non-impact zones. We have the solution to a wide variety of your Hurricane opening needs.

- *Meets Florida Building Code Regulations*
- *For more information on Florida Building Codes visit* ***www.floridabuildingcode.org***
- *For detailed infromation about Hurricane assemblies available from Mesker Door, please visit* ***www.meskerdoor.com***

FEMA (Tornado/Windstorm)

Mesker's Tornado assemblies can accommodate many of your safe room and community shelter needs, for both FEMA 320 and FEMA 361. When it comes to protecting life and property, Mesker FEMA assemblies are an invaluable part of your building construction. For detailed information about Tornado assemblies available from Mesker Door, please visit ***www.meskerdoor.com***

FEMA 320
http://www.fema.gov/plan/prevent/saferoom/fema320.shtm
FEMA 361
http://www.fema.gov/plan/prevent/saferoom/fema361.shtm

LEED

The Leadership in Energy and Environmental Design is the nationally accepted benchmark for the design, construction, and operation of high performance green buildings. Mesker's doors and frames contribute the maximum number of credits available for recycled content, for the overall certification of the building, under "Materials & Resources: Credit 4 – Recycled Content."

Mesker Door products also meet requirements of the Buy American Act. Our doors and frames are proudly made in Huntsville, AL - USA!

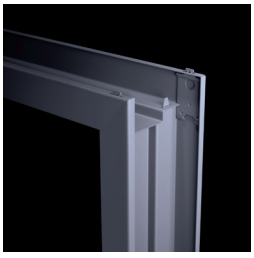
Through and through, our metal frames stand strong.

As the oldest hollow metal fabricator in the United States, Mesker is the nationwide authority for many architects and contractors. We are committed to providing the best hollow metal products for the best value. We listen to our customers' needs and utilize superior engineering know-how. We use only premium components and we guarantee complete customer satisfaction. Our system is a steadfast strategy which rewards our customers for their investment in Mesker.

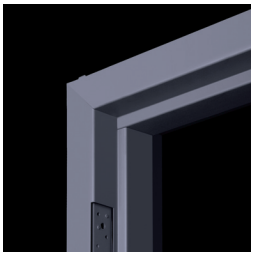
Much like our doors, we offer a complete line of hollow metal frames which boast the ingenuity and ruggedness you expect. Our frames are quality engineered, resulting in long frame life and best-in-class fit & finish. Mesker's strength not only comes from our premium components, but also in our value. We offer exceptional quality at a price the buyer will appreciate.

We offer many styles including communicating, double egress, single rabbet, cased opening, and equal rabbet frames in a variety of stock sizes, profiles and face widths. To ensure superior fit and finish, and maximum product life, every Mesker frame is manufactured as specified:

- *Standard cold rolled 16,14, or 12 gauge steel. Optional A60 Galvannealed steel for exterior or corrosive applications.*
- *Our frames are brake formed — not roll-formed — which guarantees sharp, crisp corners every time.*
- *Standard frames are unequal rabbet to accept 1-3/4 inch or 1-3/8 inch doors. Equal rabbet available upon request.*
- *Clean, sharp mitered corners provide smooth, attractive appearance while the four-tab corner locking system ensures perfect alignment and added strength.*
- *Standard 5/8-inch high stops for easy weatherstripping.*
- *3/16-inch projection-welded, one piece hinge reinforcements (1-15/16 inch rabbet side) for maximum load strength and sag resistance.*
- *14-gauge projection-welded, one piece strike reinforcements ensure optimal safety and security.*
- *For F-series masonry frames, we factory-install plaster guards on all hinge and strike reinforcements.*
- *For F-series masonry frames, we tack-weld, 16 gauge floor anchors for easy fastening.*
- *Frames are cleaned, phosphatized, and painted with a single coat of rust inhibitive primer.*
- *Factory Mutual and Underwriters Laboratories (ULÆ) embossed labels are standard. Warnock Hersey (WHI) labels are also available upon request.*
- *Now available in thousands of prefinished colors.*

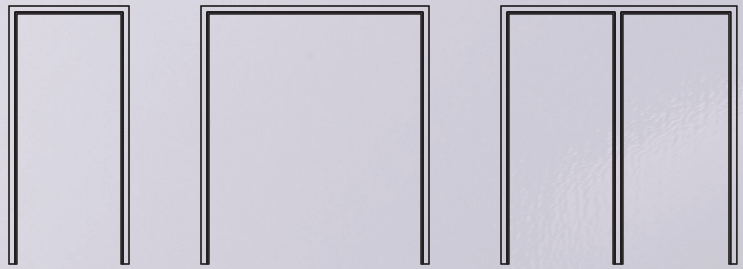


4-Tab Locking System



Perfect-Fit Mitered Corners

Our Standard Frame Fits 1-3/4 or 1-3/8 inch Doors

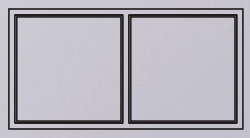


SINGLE OPENING

DOUBLE OPENING

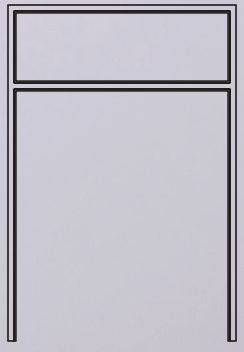
DOUBLE OPENING WITH CENTER MULLION

SINGLE WINDOW SECTION

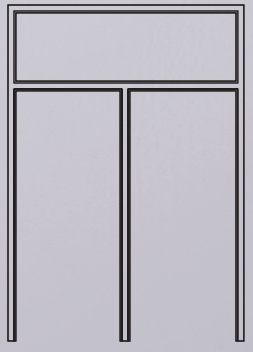


MULTIPLE WINDOW SECTION

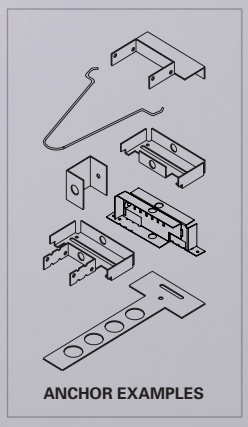
SINGLE OPENING WITH TRANSOM



DOUBLE OPENING WITH TRANSOM

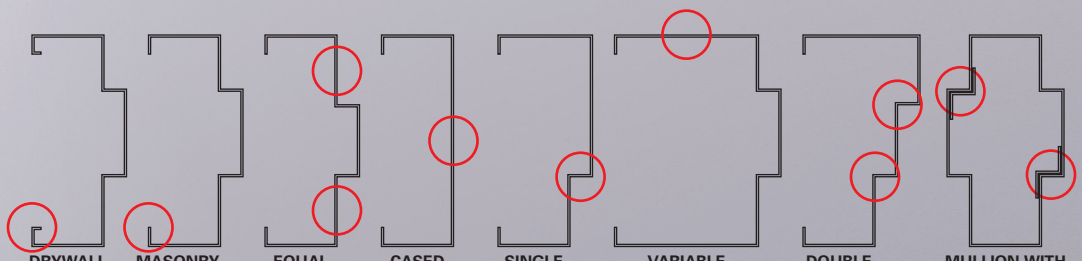


DOUBLE OPENING WITH CENTER MULLION AND TRANSOM



ANCHOR EXAMPLES

HOLLOW METAL FRAME STYLES



DRYWALL

MASONRY

EQUAL RABBET

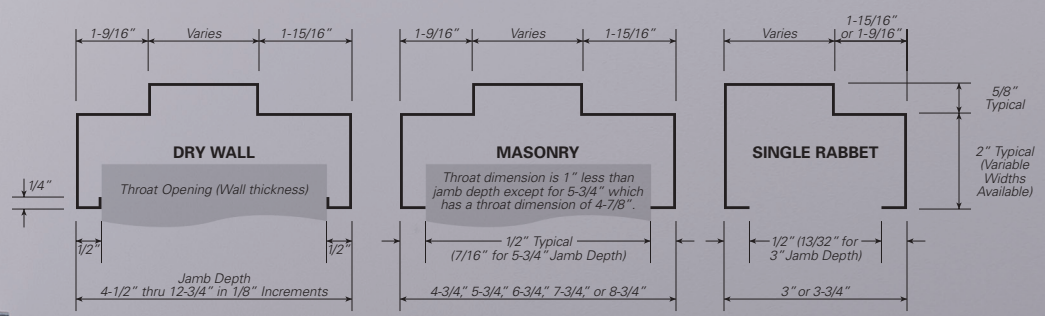
CASED OPENING

SINGLE RABBET

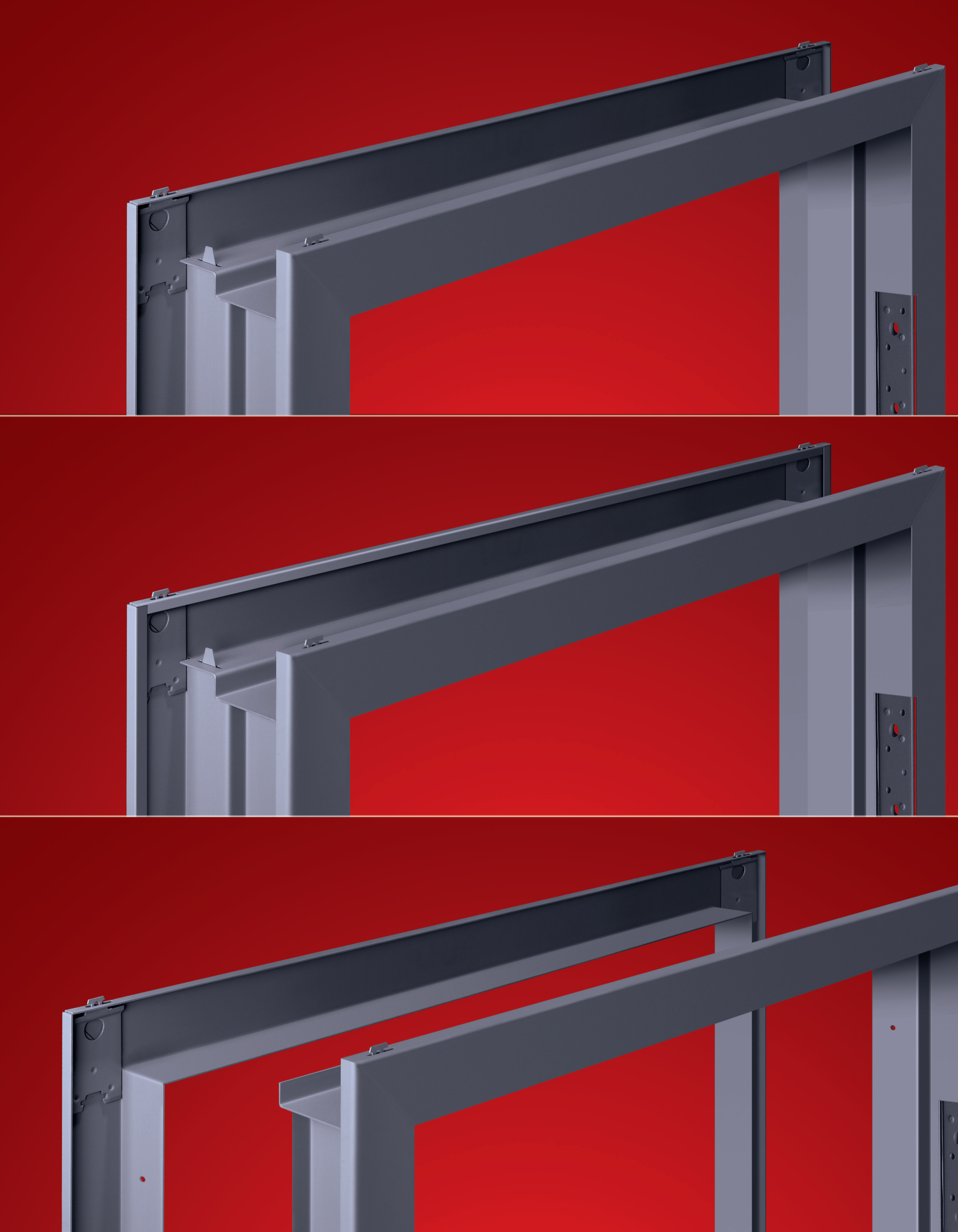
VARIABLE WIDTHS

DOUBLE EGRESS

MULLION WITH "Z" STIFFENERS



PROFILE EXAMPLES



Masonry Frames (F-series)

The standard F-series masonry frame is the best stock hollow metal assembly in the industry. In fact, we have proven our caliber for more than 145 years — a testament to our craftsmanship.

We use only the best materials, like 16 or 14 gauge cold rolled steel, or A60 Galvannealed steel for corrosive applications. State-of-the-art technology is employed for consistent and accurate quality, such as our computer-controlled mig welders and an overhead trolley line paint booth. Mesker surpasses the industry requirements by using 3/16 inch hinge reinforcements to outlast the heaviest doors.

All our F-series frames are fire-rated 3 hour and receive a embossed UL or Factory Mutual label.

Drywall Jamb Frames (FDJ-series)

There is a major difference in our FDJ-series drywall frame when compared with other competitors. We use only 16 gauge cold-rolled or A60 Galvannealed steel, not the weaker gauges marketed by many competitors. Our heavy gauge frames are designed to be pressure-fitted to the wall which improves unit life, and ensures durability with less torsion and sagging.

Because we use heavier gauge steel for our frame, stronger 3/16 inch hinge reinforcements can be welded to the rigid structure to hang heavier wood or metal doors.

Average installation time is 4-5 minutes per frame using our adjustable jamb lock for secure anchoring. Additionally, two dimpled holes at the base of each jamb stabilize the frame during installation.

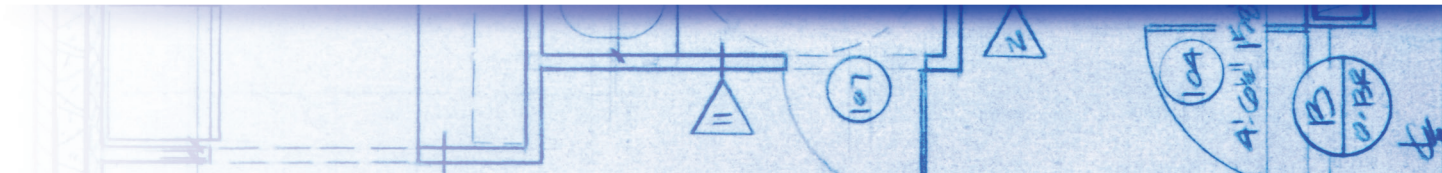
All our FDJ-series frames are fire-rated 1-1/2 hour and receive a embossed UL or Factory Mutual label.

Remodeling Frames

Mesker remodeling units are ideal for any existing wall structure. Comprised of six individual components, they are formed from rigid, 16 or 14 gauge steel, and can be ordered in an array of profiles and jamb depths. An individual header, hinge jamb, strike jamb, and the counterpart trim sections help the installer to make an adjustable, custom fit for each opening.

A welded-in,16-gauge floor anchor and eight countersunk, jamb holes for fastening to side walls hasten installation.

- *Available Fire Rated up to 90 Minutes.*



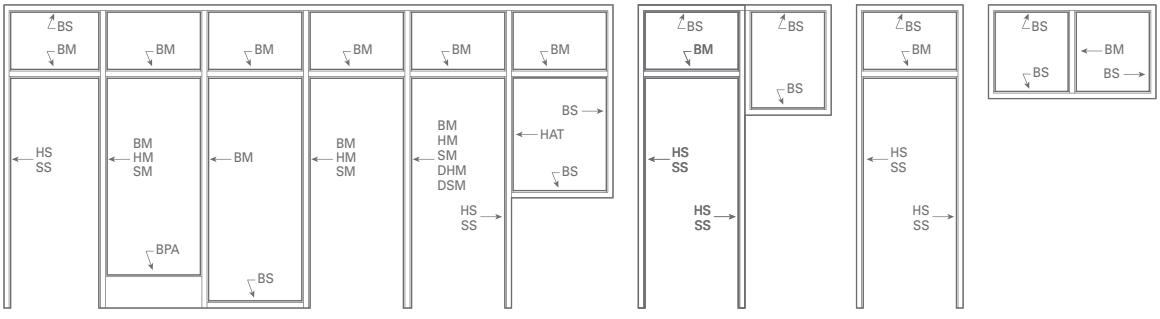
Stick Sections

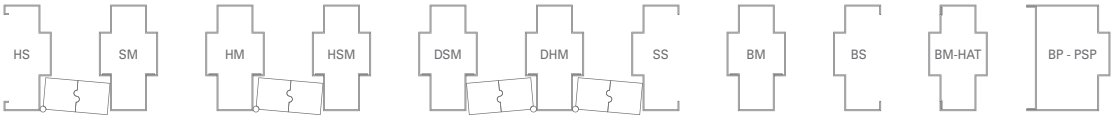
Create custom transom, side light, window, and wall section designs using Mesker's innovative, pre-engineered stick sections. Our distributors are equipped to fabricate large custom designs, per the customer's specifications.

Mesker's stick sections have the same quality construction as our standard stock frames, and come in a variety of stock profile designs and widths, and in multiple frame lengths. We mass produce these sections, which reduces material and labor costs, thereby making our solution an affordable alternative to custom manufacturing assemblies.

Our Z-shaped stiffeners, used in our 16 or 14 gauge mullions, add rigidity and strength to the frame stick. This allows our distributors to cut sticks to any length.

Also, our stick hollow metal frames and wall sections gives the end user an opportunity to "build in" or install the units simultaneously with the masonry block or exterior walls. The contractor can then close in the building prior to pouring interior concrete slabs, thereby eliminating any weather-related, security and scheduling issues.





- *Custom Curved Hollow Metal now available*

Cut & Notch

We have taken our stick section product offering one step further. Mesker offers the requisitioner the ability to order pre-cut and notched, stock components to virtually any specification. From custom wall units to multiple door openings, or from windows to side lights with mullions, discover the possibilities of this popular solution.

We can save the end-user time and the customer money because our program is designed to quickly engineer and fabricate the stick sections to match the customer's exact tolerances. Once the material reaches the job site, the installer simply needs to weld together the finished sections.

Write us into your specifications!

DOOR SPECIFICATIONS

Steel doors shall be manufactured by Mesker Door Inc., Huntsville, Alabama. Doors to be 14 gauge or N-Series as shown on plans. Core material for doors to be urethane, polystyrene, honeycomb, or fiberboard as shown on plans.

N-SERIES DOORS

Where 1-3/4 inch N-Series are indicated on plans, door construction shall be as follows: Doors shall be flush, constructed of two face sheets of 16, 18 or 20 gauge cold rolled steel, stretcher-leveled quality of flatness. Vertical edges of doors shall have neat hemmed edge seam mechanically interlocked for maximum structural integrity (seamless doors available when required by welding edge seam). All hinge reinforcements shall be 3/16 inch steel projection welded to door edge at three points above and 3 points below the hinge mortise. The top hinge reinforcement shall extend to the top of the door and have three extra projection welds on the extended leg.

14 GAUGE DOORS

Where 1-3/4 inch 14 gauge doors are indicated on plans, door construction shall be as follows: Doors shall be flush, constructed of two face sheets of 14 gauge steel, stretcher-leveled quality of flatness. Vertical edges shall be ground and finished to give a smooth and invisible appearance (all doors are seamless). All hinge reinforcements shall be 3/16 inch steel projection-welded to door edge at three points above and 3 points below the hinge mortise. Both N-Series and 14 gauge doors shall have 16 gauge top and bottom channels welded to door skins on 4 inch centers. All 1-3/4 inch doors shall have box type closer reinforcements factory installed to reinforce both sides of door. Standard hardware mortising for 1-3/4 inch doors shall be 4 1/2 x 4 1/2 inch template butt hinges (3 per door in 6'-8", 7'-0", and 7'-2" sizes and 4 per door in 7'-10" and 8'-0" sizes) and either government 86 or 161 series locksets. Doors shall be mortised, drilled and tapped for other mortised hardware as required and reinforced for surface applied hardware.

All 14 gauge and N-Series to be non-handed with square edges. Doors shall be phosphatized inside and out and receive a factory coat of prime paint. Government 86 lock reinforcements designed to be easily prepared for thru bolted trim. Both series available with A60 Galvannealed face sheets.

NVS SEAMLESS DOORS: Continuously Welded Seamless Vertical Edges

In addition to the requirements for full flush doors, no visible seams are permitted along the vertical edges. When a seamless door is specified, the vertical door seams will be continuously welded, and dressed smooth, with no bondo, putty, or filler.

FRAME SPECIFICATIONS

Steel frames shall be as manufactured by Mesker Door Inc., Huntsville, Alabama.

STANDARD FRAMES

Standard frames for 1-3/4" or 1-3/8" doors shall be 18, 16, or 14 gauge, cold rolled or A60 Galvannealed steel as specified. Frame depths shall be die mitered and provided with a gusset and knock-down. Plaster guards shall be provided at all hinge and strike locations.

PRESSURE FIT DRYWALL FRAMES

Drywall frames for 1-3/4" and/or 1-3/8" doors shall be 16-gauge cold rolled steel with 2 inch faces. Frame depths shall be 3-5/8" to 12-3/4" in 1/8" increments as detailed. Frames shall be mitered, knock-down and designed to install in pre-finished openings. Frames shall be furnished with two (2) adjustable lock mechanisms.

All frames have 3/16 inch hinge reinforcements for 1-3/4" doors and 10 gauge for 1-3/8" doors, with a minimum of 4 projection welds per reinforcement. Strike reinforcements shall be 14 gauge with tubulated screw holes. Reinforcements for surface mounted hardware shall be a minimum of 14 gauge. Frames for 1-3/4" doors shall be prepared for 4-1/2 x 4-1/2 inch standard weight template hinges and ANSI 115.1 universal strike. Frames for 1-3/8" doors shall be prepared for 3-1/2 x 3-1/2 inch standard weight template hinges and ANSI 115.3 cylindrical strike. Frames can be supplied with suitable anchors applicable to specified wall conditions. Frames shall be furnished with rubber mutes, three per strike jamb and two per head in double swing frames. Frames shall be prime painted with one coat of rust inhibitive primer.

MESKER

1864

The newest innovations in hollow metal,
from the oldest hollow metal company in America.

DOOR AND FRAME SUMMARY CHARTS

Door Type	Core	Gauge	Single Max. Size	Double Max. Size	Winter U-factor	Summer U-factor	R-Factor	Fire Rating	SDI Level [5]	Temp. Rise
Standard N-Series	Polystyrene	20	4′-0 x 8′-0″	8′-0 x 8′-0″	0.21	0.2	5	ABCDE	1	NA
	Polystyrene	18	4′-0 x 8′-0″	8′-0 x 8′-0″	0.21	0.2	5	ABCDE	2	NA
	Polystyrene	16	4′-0 x 10′-0″	8′-0 x 8′-0″	0.21	0.2	5	ABCDE	3	NA
	Polystyrene	14	4′-0 x 10′-0″	8′-0 x 8′-0″	0.21	0.2	5	ABCDE	4	NA
	Honeycomb	20	4′-0 x 8′-0″	8′-0 x 8′-0″	0.42	0.41	2	ABCDE	1	NA
	Honeycomb	18	4′-0 x 8′-0″	8′-0 x 8′-0″	0.42	0.41	2	ABCDE	2	NA
	Honeycomb	16	4′-0 x 10′-0″	8′-0 x 8′-0″	0.42	0.41	2	ABCDE	3	NA
	Honeycomb	14	4′-0 x 10′-0″	8′-0 x 8′-0″	0.42	0.41	2	ABCDE	4	NA
	Urethane	18	4′-0 x 8′-0″	8′-0 x 8′-0″	0.075	0.075	13	No	2	NA
	Urethane	16	4′-0 x 10′-0″	8′-0 x 8′-0″	0.075	0.075	13	No	3	NA
	Urethane	14	4′-0 x 10′-0″	8′-0 x 8′-0″	0.075	0.075	13	No	4	NA
	Fiberboard	20	4′-0 x 8′-0″	8′-0 x 8′-0″	0.29	0.28	3	ABCDE	1	250˚
	Fiberboard	18	4′-0 x 8′-0″	8′-0 x 8′-0″	0.29	0.28	3	ABCDE	2	250˚
	Fiberboard	16	4′-0 x 10′-0″	8′-0 x 8′-0″	0.29	0.28	3	ABCDE	3	250˚
	Fiberboard	14	4′-0 x 10′-0″	8′-0 x 8′-0″	0.29	0.28	3	ABCDE	4	250˚
Steel-Stiffened	Polystyrene	18	4′-0 x 8′-0″	8′-0 x 8′-0″	0.21	0.2	5	ABCDE	2	NA
	Polystyrene	16	4′-0 x 10′-0″	8′-0 x 8′-0″	0.21	0.2	5	ABCDE	3	NA
	Polystyrene	14	4′-0 x 10′-0″	8′-0 x 8′-0″	0.21	0.2	5	ABCDE	4	NA
	Honeycomb	18	4′-0 x 8′-0″	8′-0 x 8′-0″	0.42	0.41	2	ABCDE	2	NA
	Honeycomb	16	4′-0 x 10′-0″	8′-0 x 8′-0″	0.42	0.41	2	ABCDE	3	NA
	Honeycomb	14	4′-0 x 10′-0″	8′-0 x 8′-0″	0.42	0.41	2	ABCDE	4	NA
	Urethane	18	4′-0 x 8′-0″	8′-0 x 8′-0″	0.075	0.075	13	No	2	NA
	Urethane	16	4′-0 x 10′-0″	8′-0 x 8′-0″	0.075	0.075	13	No	3	NA
	Urethane	14	4′-0 x 10′-0″	8′-0 x 8′-0″	0.075	0.075	13	No	4	NA
Multi-Panel	Polystyrene	18	3′-0 x 7′-0″	6′-0 x 7′-0″	0.21	0.2	5	ABCDE	2	NA
	Polystyrene	20	3′-0 x 6′-8″	6′-0 x 6′-8″	0.21	0.2	5	ABCDE	2	NA

Frame Type	Gauge	Single Max. Size	Double Max. Size	Jamb Depth Range	Fire Rating
Standard Masonry Frame					
F416	16	4′-0 x 10′-0″	8′-0 x 10′-0″	4-1/2″ to 13-1/2″	ABCDE
F414	14	4′-0 x 10′-0″	8′-0 x 10′-0″	4-1/2″ to 13-1/2″	ABCDE
Standard Drywall Frame					
FDJ416	16	4′-0 x 8′-0″	8′-0 x 8′-0″	4-5/8″ to 9″	ABCDE
Masonry Frame with Transom					
F416	16	4′-0 x 10′-0″	8′-0 x 10′-0″	4-1/2″ to 10-1/2″	ABCDE
F414	14	4′-0 x 10′-0″	8′-0 x 10′-0″	4-1/2″ to 10-1/2″	ABCDE
Double Egress Frame					
F416	16	NA	8′-0 x 8′-0″	4-3/4″ to 13-1/2″	ABCDE
F414	14	NA	8′-0 x 8′-0″	4-3/4″ to 13-1/2″	ABCDE

Label	Rating	Maximum Glass Permitted
A	3 hr.	100 sq. in. with Firelite® Glazing
B	1-1/2 hr.	100 sq. in. with Firelite® Glazing
C	45 min.	1296 sq. in.

[5] From ANSI A250.8 SDI-100

[6] All doors listed as pairs can be used with single point lock and automatic flush bolts, or vertical rod and mortise panic devices.

[7] Astragals not required for pairs of doors using B, C, D, or E rating.

[8] Requirements for 20 minute label are met by A, B, C, D, and E ratings.

[9] Mesker recommends urethane doors to be painted a light, reflective color because of very high resistance to heat transmission. When exposed to direct sunlight, heat can cause the door to warp (even on some winter days).

[10] All external doors should be weatherstripped.

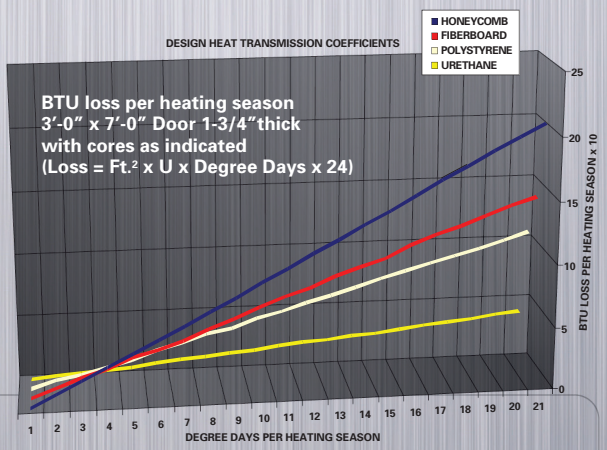
All labeled doors and frames are manufactured in strict accordance with the specifications and procedures of Underwriters Laboratories, Factory Mutual, and Warnock Hersey. Adherence to these procedures are monitored through periodic in-plant inspections .

UNDERWRITERS LABEL SERVICE Mesker manufactures a complete line of UL doors and frames that meets every requirement of fire protection. Doors are available in 1-3/4″ thickness for A, B, C, D and E classifications. All UL label doors and frames are manufactured in strict accordance with the specifications and procedures of Underwriters Laboratories Inc. Adherence to these specifications and procedures is checked by UL through their in-plant inspection service.

FACTORY MUTUAL SERVICE The Mesker line of FM label doors and frames meets all rigid Factory Mutual regulations for testing quality and design. A network of Factory Mutual field inspectors provides up-to-date engineering data to maintain this service and provide maximum protection.

WARNOCK HERSEY SERVICE Mesker Door is now listed with WHI to cover virtually all of your national labeling requirements. Warnock Hersey / Inchcape monitors adherence to their procedures by periodic in-plant inspections.

CERTIFIED DOORS AND FRAMES Certified doors and frames available for areas where local codes permit their use in lieu of UL, FM or WHI classified products.



DETERMINE DOOR ENERGY COSTS Save on heating and cooling costs by specifying a core with high thermal resistivity on a select opening without adding to the cost of all doors on the job. Mesker gives you the information necessary to closely approximate the cost of energy used with any of our various cores.

All you need is the number of the degree days per season. This information as well as summer equivalent cooling hours, cost of energy and design temperature are available from your local public electric or gas company. ASHRAE also provides tables of the heating season for most locations in the country.

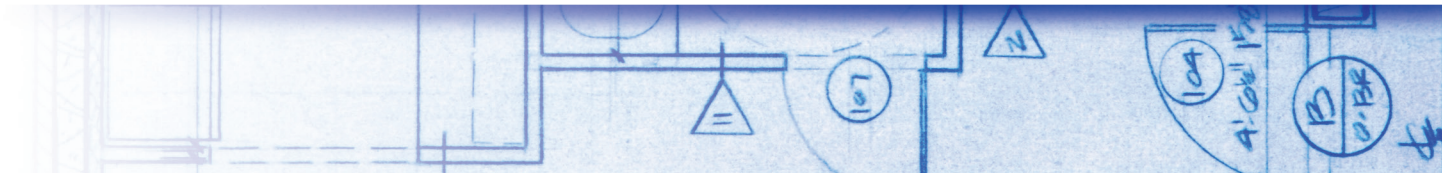
Using the U-Factor information from the table above and the cost of energy per 100,000 BTU, you can quickly find the cost per season. The cost of lost energy during the summer air conditioning season is slightly more complicated. We have chosen a method which many electric utility engineers use since this will allow you to determine your local design data easily.

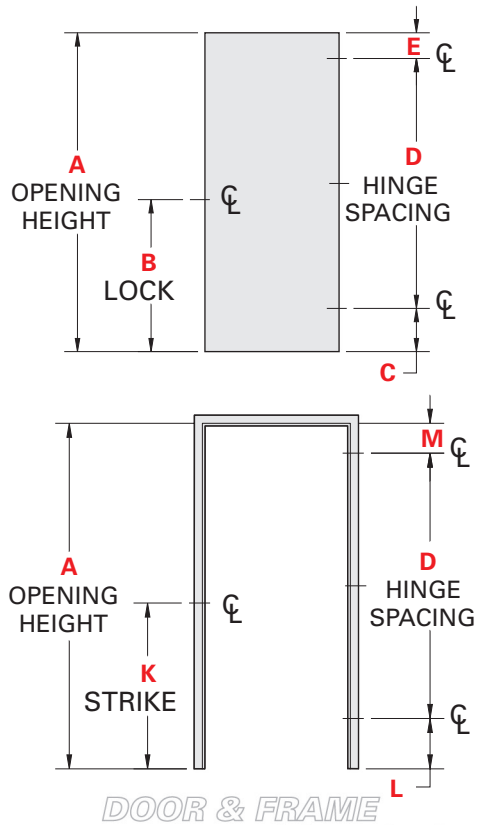
DETERMINE BTU LOSS Sq-ft (Door measure by length x width) x U-Factor x Degree Days (˚C) x 24.

UNIT COST PER SEASON FORMULA KW input per ton of output x estimated hours of full load cooling x cost per KW hour x difference of design outside temperature and inside temperature x square feet of door surface x U factor for door and divided by 12,000 (BTUs per ton).

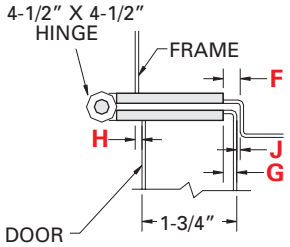
Product compliance per ANSI/ASTM test methods

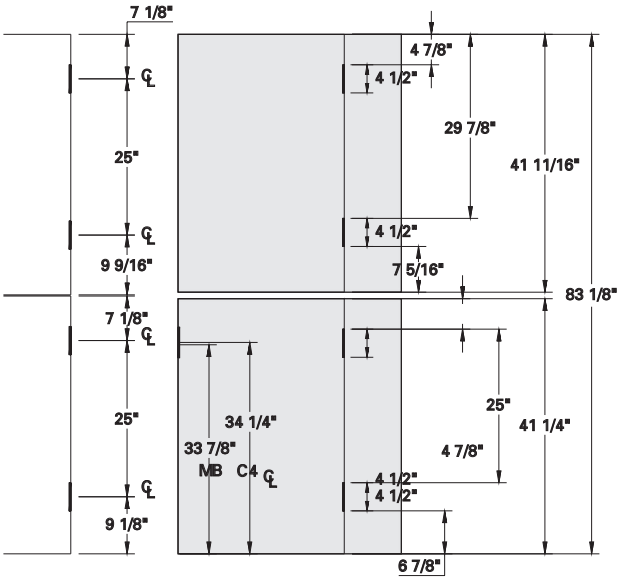
ANSI/DHI A115	Hardware Preparation in Steel Doors and Steel Frames
ANSI/DHI A115.IG	Installation Guide for Doors and Hardware
ANSI A250.10	Test Procedure and Acceptance Criteria for Prime Painted Steel Surfaces for Steel Doors and Frames
ANSI A250.11	Recommended Erection Instructions for Steel Frames
ANSI A250.11	Recommended Erection Instructions for Steel Frames.
ANSI A250.13	Testing and Rating of Severe Windstorm Resistant Components for Swinging Door Assemblies
ANSI A250.3	Test Procedure and Acceptance Criteria for Factory Applied Finish 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 A250.6	Recommended Practice for Hardware Reinforcing on Standard Steel Doors and Frames
ANSI A250.7	Nomenclature for Standard Steel Doors and Steel Frames
ANSI A250.8	Recommended Specifications for Standard Steel Doors and Frames (SDI-100)
ANSI/BHMA A156.1	Butts and Hinges
ANSI/BHMA A156.3	Exit Devices
ANSI/BHMA A156.4	Door Controls - Closers
ANSI/BHMA A156.7	Template Hinge Dimensions
ANSI/NFPA 105	Standard for the Installation of Smoke Door Assemblies
ANSI/NFPA 252	Standard Methods of Fire Tests for Door Assemblies
ANSI/NFPA 257	Standard on Fire Test for Window and Glass Block Assemblies
ANSI/NFPA 80	Standard for Fire Doors and Windows
ANSI/UL 10B	Standard for Fire Tests of Door Assemblies (neutral pressure)
ANSI/UL 10C	Standard for Fire Tests of Door Assemblies (positive pressure)
ANSI/UL 1784	Air Leakage Test of Door Assemblies
ANSI/UL 9	Fire Test of Window Assemblies
ASTM A 366/A 366M	Standard Specification for Commercial Steel (CS) Sheet, Carbon, (0.15 Maximum Percent) Cold-Rolled
ASTM A 653/A 653M	Standard Specification for Steel Sheet, Zinc-Coated (Galvanized) or Zinc-Iron Alloy-coated (Galvannealed) by the Hot-Dip Process
ASTM A1008	Standard Specification for Steel Sheet, Cold-Rolled, Carbon, Structural, High-Strength Low-Alloy and High-Strength Low-Alloy with Improved Formability
ASTM A1011	Standard Specification for Steel Sheet and Stip, Hot-Rolled, Carbon, Structural, High-Strength Low-Alloy and High-Strength Low-Alloy with Improved Formability
ASTM A568	Standard Specification for Steel Sheet, Carbon, High-Strength Low-Alloy, Hot-rolled and Cold-rolled
ASTM A591	Standard Specification for Steel Sheet, Zinc-Coated (Galvanized) or Zinc-Iron Alloy-Coated (Galvannealed) by the Hot Dip Process
ASTM A924	Standard Specification for General Requirements for Steel Sheet, Metallic-Coated by the Hot-Dip Process
ASTM B117	Standard Practice for Operating Salt Spray (Fog) Apparatus
ASTM C 578	Specification for Rigid, Cellular Polystyrene Thermal Insulation
ASTM D1654	Standard Test Method for Evaluation of Painted or Coated Specimens
ASTM D2794	Standard Method for Resistance of Organic Coatings to the Effects of Rapid Deformation (Impact)
ASTM D3359	Standard Test Methods for Measuring Adhesion by Tape Test
ASTM D4585	Standard Practice for Testing Water Resistance of Coatings Using Controlled Condensation
ASTM D610	Standard Test Method for Evaluation Degree of Rusting on Painted Steel Surfaces
ASTM D714	Standard Test Method for Evaluation Degree of Blistering of Paints
ASTM E-90	Standard Test Method for Laboratory Measurement of Airborne Sound Transmission Loss of Building Partitions and Elements.
HMMA 801	Glossary of Terms for Hollow Metal Doors and Frames
HMMA 802	Manufacturing of Hollow Metal Doors and Frames
HMMA 810	Hollow Metal Doors
HMMA 810 TN 01-03	Defining Undercuts
HMMA 820	Hollow Metal Frames
HMMA 820 TN01-03	Grouting Hollow Metal Frames
HMMA 830	Hardware Selection for Hollow Metal Doors and Frames
HMMA 840	Guide Specifications for Installation and Storage of Hollow Metal Doors and Frames
HMMA 850	Fire Rated Hollow Metal Doors and Frames
HMMA 861	Commercial Hollow Metal Doors & Frames
HMMA 865	Guide Specifications for Swinging Sound Control Hollow Metal Doors and Frames
HMMA 867	Guide Specifications for Commercial Laminated Core Hollow Metal Doors and Frames
HMMA 890	Hollow Metal
SDI-106	Recommended Standard Door Type Nomenclature
SDI-108	Recommended Selection and Usage Guide for Standard Steel Doors
SDI-109	Hardware for Standard Steel Doors and Frames
SDI-110	Standard Steel Doors and Frames for Modular Masonry Construction
SDI-111	Recommended Details and Guidelines for Standard Steel Doors, Frames, and accessories (A-H)
SDI-111-A	Recommended Standard Steel Door Details
SDI-111-B	Recommended Standard Details for Dutch Doors
SDI-111-C	Recommended Louver Details for Standard Steel Doors
SDI-111-D	Recommended Door, Frame and Hardware Schedule for Standard Steel Doors and Frames
SDI-111-E	Recommended Weatherstripping for Standard Steel Doors and Frames
SDI-111-F	Recommended Existing Wall Anchors for Standard Steel Doors and Frames
SDI-111-G	Recommended Standard Preparation for Double Type (Interconnected) Locks on Standard Steel Doors and Frames
SDI-111-H	High Frequency Hinge Preparations for Frames
SDI-112	Zinc-Coated (Galvanized/Galvannealed) Standard Steel Doors and Frames
SDI-113	Standard Practice for Determining the Steady State Thermal Transmittance of Steel Door and Frame Assemblies
SDI-117	Manufacturing Tolerances Standard Steel Doors and Frames
SDI-118	Basic Fire Door Requirements
SDI-122	Installation and Troubleshooting Guide for Standard Steel Doors and Frames
SDI-124	Maintenance of Standard Steel Doors and Frames
SDI-127	Series - Industry Alerts (A through J)
SDI-127-A	End Closure
SDI-127-B	Door Edge Cutouts
SDI-127-C	Frame Cutout Limits
SDI-127-D	Electric Strikes in Stud Walls
SDI-127-E	Prime Painted Materials Alert
SDI-127-F	Butted Frames Rough Opening Sizes
SDI-127-G	Environmental Considerations Relating to Factory Painted Steel Doors and Frames
SDI-127-H	Water Penetration
SDI-127-I	Grouting Frames in Drywall
SDI-127-J	Bituminous Back-Coating of Frames
SDI-128	Guidelines for Acoustical Performance of Standard Steel Doors and Frames
SDI-129	Hinge and Strike Spacing
SDI-130	Electrified Hinge Preparations
SDI-131	Accelerated Physical Endurance Test Procedure for Steel Doors, Frames and Frame Anchors
UBC 7-2	Fire Tests of Door Assemblies
UBC 7-4	Fire Tests of Window Assemblies



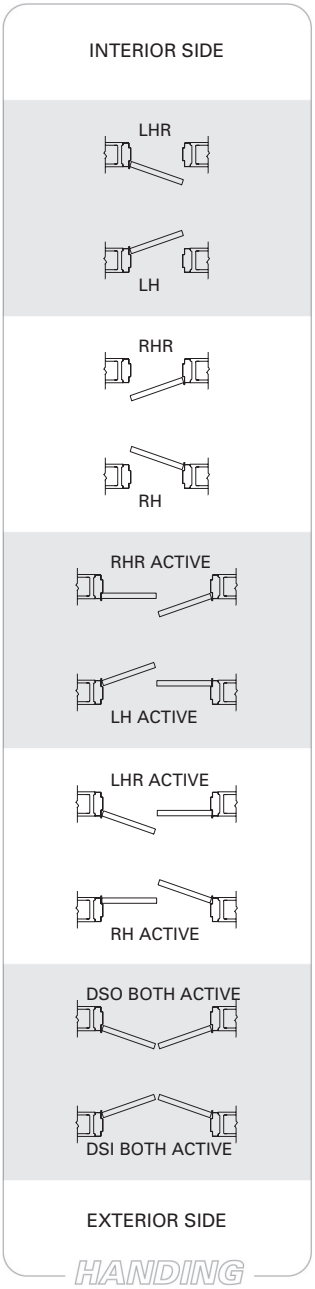


DOOR & FRAME HARDWARE LOCATIONS





DUTCH DOOR HINGE LOCATIONS



HANDING

DOOR AND FRAME HARDWARE COMPARISON CHART

4-1/2" Hinge & Strike Comparison (1 3/4" Door)

	A	B	C	D	E	F	G	H	J	K	L	M
AMWELD	6′-8″	C4=39-9/16″ MB=39-3/16″	9-5/8″	2 @ 29-15/16″	9-5/8″ (7-3/8″)	5/16″	3/16″	1/16″	1/8″	40-5/16″	10-3/8″	9-3/4″
	6′-10″		7-5/8″	2 @ 31-15/16″							8-3/8″	
	7′-0″		9-5/8″	2 @ 31-15/16″							10-3/8″	
	7′-2″		11-5/8″	2 @ 31-15/16″							12-3/8″	
	7′-4″		9-5/8″	2 @ 33-15/16″							10-3/8″	
	7′-6″		11-5/8″	2 @ 33-15/16″							12-3/8″	
	7′-8″		9-11/16″	3 @ 23-15/16″							10-7/16″	
	7′-10″		7-9/16″	3 @ 25-5/16″							8-5/16″	
	8′-0″		9-9/16″	3 @ 25-5/16″							10-5/16″	
BENCHMARK	6′-8″	C4=39-9/16″ MB=39-3/16″	11-1/2″	2 @ 30-1/4″	7-1/8″ (4-7/8″)	11/32″	1/4″	1/8″	3/32″	40-5/16″	12-1/4″	7-1/4″
	6′-10″		13-1/2″	2 @ 30-1/4″							14-1/4″	
	7′-0″		11-1/2″	2 @ 32-1/4″							12-1/4″	
	7′-2″		13-1/2″	2 @ 32-1/4″							14-1/4″	
	7′-4″		11-1/2″	2 @ 34-1/4″							12-1/4″	
	7′-6″		13-1/2″	2 @ 34-1/4″							14-1/4″	
	7′-8″		7-1/2″	3 @ 25-1/2″							8-1/4″	
	7′-10″		9-1/2″	3 @ 25-1/2″							10-1/4″	
	8′-0″		11-1/2″	3 @ 25-1/2″							12-1/4″	
CECO	6′-8″	C4=41-1/16″ MB=40-11/16″	8-1/4″	2 @ 31″	8-7/8″ (6-5/8″)	5/16″	1/4″	1/8″	1/16″	41-13/16″	9″	9″
	6′-10″			2 @ 32″								
	7′-0″			2 @ 33″								
	7′-2″			2 @ 34″								
	7′-4″			2 @ 35″								
	7′-6″			2 @ 36″								
	7′-8″			3 @ 24-21/32″								
	7′-10″			3 @ 25-21/64″								
	8′-0″			3 @ 26″								
COPCO	6′-8″	C4=39-9/16″ MB=39-3/16″	9-5/8″	2 @ 29-15/16″	9-5/8″ (7-3/8″)	5/16″	7/32″	1/32″	3/32″	40-5/16″	10-3/8″	9-3/4″
	6′-10″			2 @ 30-15/16″								
	7′-0″			2 @ 31-15/16″								
	7′-2″			2 @ 32-15/16″								
	7′-4″			2 @ 33-15/16″								
	7′-6″			2 @ 34-15/16″								
	7′-8″			3 @ 23-19/64″								
	7′-10″			3 @ 24-19/64″								
	8′-0″			3 @ 25-19/64″								
CURRIES	6′-8″	C4=39-1/4″ MB=38-7/8″	11-1/2″	2 @ 30-1/4″	7-1/8″ (4-7/8″)	5/16″	1/4″	1/8″	1/16″	40″	12-1/4″	7-1/4″
	6′-10″			2 @ 31-1/4″								
	7′-0″			2 @ 32-1/4″								
	7′-2″			2 @ 33-1/4″								
	7′-4″			2 @ 34-1/4″								
	7′-6″			2 @ 35-1/4″								
	7′-8″			3 @ 24-1/8″								
	7′-10″			3 @ 24-7/8″								
	8′-0″			3 @ 25-1/2″								
DEANSTEEL	6′-8″	C4=39-9/16″ MB=39-3/16″	11-1/2″	2 @ 30-1/4″	7-1/8″ (4-7/8″)	5/16″	1/4″	1/8″	1/16″	40-5/16″	12-1/4″	7-1/4″
	6′-10″			2 @ 31-1/4″								
	7′-0″			2 @ 32-1/4″								
	7′-2″			2 @ 33-1/4″								
	7′-4″			2 @ 34-1/4″								
	7′-6″			2 @ 35-1/4″								
	7′-8″			24-1/8″, 24-1/4″, 24-1/8″								
	7′-10″			24-7/8″, 24-3/4″, 24-7/8″								
	8′-0″			3 @ 25-1/2″								
KEWANEE	6′-8″	C4=39-9/16″ MB=39-3/16″	9-1/2″	2 @ 30-1/16″	9-1/2″ (7-1/4″)	3/8″	1/4″	1/16″	1/8″	40-5/16″	10-1/4″	9-5/8″
	6′-10″			2 @ 31-1/16″								
	7′-0″			2 @ 32-1/16″								
	7′-2″			2 @ 33-1/16″								
	7′-4″			2 @ 34-1/16″								
	7′-6″			2 @ 35-1/16″								
	7′-8″			24-1/16″, 24″, 24-1/16″								
	7′-10″			24-11/16″, 24-3/4″, 24-11/16″								
	8′-0″			3 @ 25-3/8″								
MESKER	6′-8″	C4=39-9/16″ MB=39-3/16″	11-1/2″	2 @ 30-1/4″	7-1/8″ (4-7/8″)	5/16″	1/4″	1/8″	1/16″	40-5/16″	12-1/4″	7-1/4″
	6′-10″		11-1/2″	2 @ 31-1/4″							12-1/4″	
	7′-0″		11-1/2″	2 @ 32-1/4″							12-1/4″	
	7′-2″		11-1/2″	2 @ 33-1/4″							12-1/4″	
	7′-4″		11-1/2″	2 @ 34-1/4″							12-1/4″	
	7′-6″		11-1/2″	2 @ 35-1/4″							12-1/4″	
	7′-8″		10-1/2″	3 @ 24-1/2″							11-1/4″	
	7′-10″		9-1/2″	3 @ 25-1/2″							10-1/4″	
	8′-0″		11-1/2″	3 @ 25-1/2″							12-1/4″	
PIONEER	6′-8″	C4=37-1/4″ MB=36-7/8″	11-1/2″	2 @ 30-1/4″	7-1/8″ (4-7/8″)	5/16″	7/32″	3/32″	3/32″	38″	12-1/4″	7-1/4″
	6′-10″		11-1/2″	2 @ 31-1/4″							12-1/4″	
	7′-0″		11-1/2″	2 @ 32-1/4″							12-1/4″	
	7′-2″		11-1/2″	2 @ 33-1/4″							12-1/4″	
	7′-4″		11-1/2″	2 @ 34-1/4″							12-1/4″	
	7′-6″		11-1/2″	3 @ 23-1/2″							12-1/4″	
	7′-8″		11-7/16″	3 @ 24-3/16″							12-3/16″	
	7′-10″		11-9/16″	3 @ 24-13/16″							12-5/16″	
	8′-0″		11-1/2″	3 @ 25-1/2″							12-1/4″	
REPUBLIC	6′-8″	C4=39-9/16″ MB=39-3/16″	9-5/8″	2 @ 29-15/16″	9-5/8″ (7-3/8″)	5/16″	1/4″	1/8″	1/16″	40-5/16″	10-3/8″	9-3/4″
	6′-10″		11-1/2″	2 @ 31-1/4″	7-1/8″ (4-7/8″)						12-1/4″	7-1/4″
	7′-0″		11-5/8″	2 @ 29-15/16″	11-5/8″ (9-3/8″)						12-3/8″	11-3/4″
	7′-2″		11-5/8″	2 @ 30-15/16″	11-5/8″ (9-3/8″)						12-3/8″	11-3/4″
	7′-4″		11-1/2″	2 @ 34-1/4″	7-1/8″ (4-7/8″)						12-1/4″	7-1/4″
	7′-6″		11-1/2″	2 @ 35-1/4″	7-1/8″ (4-7/8″)						12-1/4″	7-1/4″
	7′-8″		11-5/8″	3 @ 24-1/8″	7-1/8″ (4-7/8″)						12-3/8″	7-1/4″
	7′-10″		11-3/8″	3 @ 24-7/8″	7-1/8″ (4-7/8″)						12-1/8″	7-1/4″
	8′-0″		11-1/2″	3 @ 25-1/2″	7-1/8″ (4-7/8″)						12-1/4″	7-1/4″
STEELCRAFT	6′-8″	C4=39-9/16″ MB=39-3/16″	9-5/8″	2 @ 29-15/16″	9-5/8″ (7-3/8″)	5/16″	1/4″	1/8″	1/16″	40-5/16″	10-3/8″	9-3/4″
	6′-10″			2 @ 30-15/16″								
	7′-0″			2 @ 31-15/16″								
	7′-2″			2 @ 32-15/16″								
	7′-4″			2 @ 33-15/16″								
	7′-6″			2 @ 34-15/16″								
	7′-8″			3 @ 23-61/64″								
	7′-10″			3 @ 24-5/8″								
	8′-0″			3 @ 25-19/64″								

NOTE 1: Dimension "B" is shown for a standard cylindrical (C4) preparation. Subtract 3/8" from dimension for a standard mortise (MB) preparation.
NOTE 2: Dimension "E" in parenthesis () — is measured from the top of door to top of the 1st hinge.