

# NATIONAL

CUSTOM HOLLOW METAL DOORS & FRAMES

The difference is quality.



## The National Difference "THE DIFFERENCE IS QUALITY"

### Quality is at the core of our business

Each DefendDoor Stainless Steel Door and Frame is built with quality, integrity, and value in mind.

NCHM is an industry leader that adheres to a code of business ethics and moral values while manufacturing our stainless steel products to a higher standard. Simply put, our customers desire the quality that national puts in our DefendDoor doors and frames.

At NCHM we see our task as more than just delivering top-quality stainless steel products; we strive to understand our client's projects and deliver solutions tailored to their unique needs.

Our team works to build solid relationships with our distributors before the project begins. Everyone involved is clear when pen hits the paper the exact needs and expectations of the project.

We maintain those relationships through clear communication well after the final payment has been received. To us service comes before, during, and after the sale making NCHM a vital part of our client's project and sales process.

NCHM strives to deliver each project correct and on time for our distributor partners to shine in the eyes of their customer. Correct and on time may seem like too much to ask for in today's complex marketplace, but to us it's the National Difference.

DEFENDDOOR

### COMMONLY FOUND IN

EDUCATION

FOOD AND DRUG

HEALTHCARE

LABORATORY AND RESEARCH

UTILITY AND PUBLIC SAFETY

INTERNATIONAL AND DOMESTIC

GOVERNMENT

RESORTS AND STADIUMS



#### Max Size Frame

12'0" x 12'0" (NR)  
16, 14, 12 GA

#### Max Size Door

5'0" x 12'0" (NR)  
16, 14, 12 GA

#### Available Finishes

2B #4, and #6  
type 304 or  
316 steel



WE OFFER BOTH HOT RUSH & QUIK SHIP SERVICES

CALL US TODAY FOR AVAILABILITY



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## FIRE RATED FRAMES

Fire Rated Frames	Min Rating	Label	GA	Max Width	Max Height	Type	Construction	Min Throat	Min Face
Singles	(20)(45)(90) (180) Min	UL	16,14,12	48"	120"	SR, DR	Weld/KD	2"	1 1/4"
Pairs	(20)(45)(90) (180) Min	UL	16,14,12	96"	120"	SR, DR	KD	2"	2"
Transom/ Sidelight Single	(90) Min	UL	16,14,12	48"	108"	DR	KD	4"	2"
Transom/ Sidelight Pair	(90) Min	UL	16,14,12	96"	108"	SR, DR	Weld/KD	4"	2"
Adjustable Frame	(90) Min	WH	16,14	48"	96"	DR	Weld	3 3/4"	2"
Dutch & Communi- cating	(20)(45)(90) (180) Min	UL	16,14,12	48"	120"	SR, DR	Weld/KD	2"	1 1/4"
DBI egres	(90) Min KD	WH	16,14,12	96"	120"	DE, LL	KD	5"	2"
DBI egres	(180) Min Weld	UL	16,14,12	96"	96"	DE	Weld	4"	2"
4 sided Frame 1 lite	(90) Min	UL	16,14,12	59 1/2"	59 1/2"	SR, DR	Weld/KD	3 1/2"	1 1/4"

### LEGEND

<b>Poly</b>	Polystyrene	<b>UL</b>	Underwriters Laboratory	<b>DR</b>	Double Rabbet
<b>2 lb. Fiber</b>	Fiberglass Insulation	<b>SR</b>	Single Rabbet	"	All measurements are done in inches
<b>HC</b>	Honeycomb	<b>NR</b>	Non-Rated	<b>DE</b>	Double Egres
<b>LL</b>	Lead Lined	<b>WH</b>	Warnock Hersey/Intertek		

Max Width and Height inside Dimensions

**Why DefendDoor Stainless Steel you might think? Here are a few reasons why to consider it on your next project.**

- A. Boasts faster lead times and stronger gauges of steel up to 12 ga. needed in industrial settings.
- B. Preferred clearly in most dairy, cheese, and processed meat plants that require the highest level of antimicrobial resistant surface available to prevent the growth and spread of bacteria such as Listeria.
- C. Greater flexibility in Fire Rated Openings from 20 Minutes to 3 Hours, maintaining appearance and performance over time.
- D. Allows for increased flexibility in frame profiles, window systems, door sizes, and exact size precision within a 1/16".
- E. Offered in Ballistic Level 3 and STC Assemblies as an alternate to Galvanneal A-60.

## FIRE RATED DOORS

Fire Rated Doors	Min Rating	Label	GA	Max Width	Max Height	Core Type	Thickness	Glass kit and Louver Cut Size
Singles	(180) Min	UL	18,16	48"	96"	HC, SS	1 3/4"	*Door cut out can be any size if the kit and glass meet the fire rating requirements of the door.
Singles	(20)(45)(90) (180) Min	WH	18,16	48"	96"	HC, LL, 2lb. Fiber	1 3/4"	
Singles	(180) Min	UL	18,16	40"	96"	HC	1 3/4"	*Louver cut outs can be any size as long as the louver meets the fire requirements of the door.
Singles	(20)(45)(90) Min	WH	18,16	48"	96"	Poly, LL, HC, LL, 2lb. Fiber	1 3/4"	
Pairs	(20)(45)(90) Min	WH	18,16	84"	86"	HC, LL, 2lb. Fiber	1 3/4"	
Dutch Door	(45)(90) (180) Min	UL	18,16	42"	45"	SS	1 3/4"	

### NCHM Non-Rated DefendDoor Stainless Steel Doors

- **Custom Sizes**
  - 5'0" x 12'0" Single NR
  - 10'0" x 12'0" Pair NR
  - 1 3/8" Thick Doors NR
  - 2 1/4" Thick Doors NR
- **Custom Lite Cut Outs**
  - Hexagon NR
- **Custom Shapes**
  - Arch Top or Monorail NR

Need a quote?

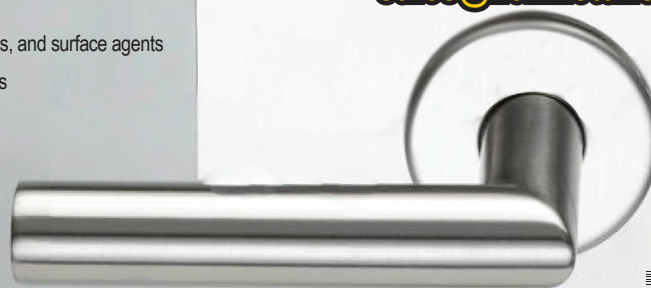
[sales@nchmetal.com](mailto:sales@nchmetal.com)



National Association of Architectural Metal Manufacturers

## Benefits not found in other materials

1. Resistant to the most aggressive cleaners, disinfectants, and surface agents
2. Resists oxidation without the addition of special finishes
3. Well suited for even the most corrosive environments
4. Requires no painting, only occasionally wiping clean with water to keep its shine
5. Outlasts both Galvanneal and Aluminum in durability and longevity



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DEFEND DOOR