National Custom Hollow Metal Doors & Frames

Built right the first time. Every time.

National Custom Hollow Metal Doors & Frames

offers an extensive range of custom-crafted CR-A60 galvanneal, 304 and 316, stainless steel, and lead-lined metal doors and frames to accommodate your project planning and expedite your building schedule. Whether destined for heavy-duty industrial environments, hospitals and laboratories, restaurants or storefronts, our doors are expertly crafted to precise tolerances and exact specifications out of materials specifically chosen to ensure superior durability, appearance and ease of operation.

Labeled Door Types

Our extensive door product line includes certified labeled products manufactured in strict accordance with the specifications and procedures as determined by Underwriters Laboratories or Warnock Hersey International testing and inspecting services. Certified labeled doors meet every requirement for fire protection and are labeled accordingly:

A Label = 3 Hours
B Label = 1-1/2" Hours
C Label = 3/4 Hour
20 Minute Label
Sever Windstorm Hurricane Labeled

Louver

Door Series Max. Size Label Available
DST-6 4'0" x 8'0" B, C, 20 min
Fuse link louver required. Maximum louver size: 24" x 24". Glass lites or fire exit hardware is not approved.

Double Egress Doors and Frames

Door Series Max. Size Label Available
E-16 8’0" x 8’0" A, B, C, 20 min
E-16 8’0" x 10’0" B, C, 20 min
Frame gauge: 16 and 14. Jamb depth: 5" min. - 16" max. Vertical rod exit devices required on each leaf. Welded-on astragal required. 100 square inches of exposed glass permitted per leaf.

Stainless Doors – DEFENDDoor

Door Series Max. Size Label Available
DP/HP Single 3’4" x 8’0" A, B, C, 20 min
DP/HP Single 4’0" x 8’0" B, C, 20 min
DP/HP Pair 8’0" x 8’0" B, C, 20 min
DEFENDDoor is a national brand of stainless doors and frames manufactured by NCHM, right here in the U.S.A. Each unit is custom manufactured to achieve a flawless appearance and deliver outstanding performance and lasting value.

Frame Types

NCHM produces a variety of frames to meet every application, allowing maximum design flexibility without compromising strength and structural integrity.

Stainless Steel

High-performance stainless steel frames are available as standard and custom openings, borrowed lites, side lites and transom frames. Stainless hollow metal frames are formed of 16 gauge or 14 gauge, Type 304 or 316 stainless, No. 3, 4 or 2b mill-finish stainless steel.

Knock Down (KD)

“Easy” describes our KD frame assembly process. A unique interlocking mitered corner joint creates a quick, clean connection in seconds. Simply insert jambs into the header and bend tabs over to secure the assembly.

Frame Series Type Gauge Steel
S, D Double Rabbet 16, 14, 12
C Case Opening 16, 14, 12
SR, DR Single Rabbet 16, 14, 12
E Double Egress 16, 14, 12
UL, WHI and Certified labels are available. Lead lining of frames is available where required.

 Tested and true

NCHM proudly offers CR-A60 galvanneal, DEFENDDoor – stainless steel and TRUSTSHIELD – lead-lined doors and frames, constructed to conform to Commercial Standard. They are fabricated from premium-quality CR-A60 galvanneal steel in accordance with ASTM A525, or stainless steel in accordance with ASTM A240. Galvanneal and stainless steel doors and frames, have vigorous hurricane, impact, and fire rated codes certifications and standards. (StormPro™ Vision Kits by Anemostat® are optional.)

Size, shape and short lead times are never an issue

With precision engineering, rigorous testing and time-honored workmanship we’ll turn your ideas and designs into doors and frames of superb quality.
**Stainless Spats**
Stainless steel spats facilitate easy cleaning of the door frame and provide a protective layer from corrosive chemicals or other elements that can harm typical galvanneal or cold-rolled steel frames. Stainless spats are available from 4" up to the full frame height.

**Labeled Three-Sided Frames**

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<td>8'0&quot; x 10'0&quot;</td>
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<td>S-Sq.</td>
<td>5'0&quot; x 12'0&quot;</td>
<td>B, C, 20 min</td>
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<td>S-PAIRS</td>
<td>10'0&quot; x 12'0&quot;</td>
<td>B, C, 20 min</td>
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<td>D-16-Sq.</td>
<td>4'0&quot; x 9'0&quot;</td>
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**Drywall**
Our unique Surlock Drywall Corner Connection makes frame installation fast and neat. Frame can be installed after dry walling is complete in as little as four minutes.

**Stainless Frames – DEFENDDOOR**
NCHM’s DEFENDDOOR stainless hollow metal frames are available as standard and custom openings, borrowed lights, side lights and transom frames.

**Also Available:**
- Transom panel frames without bar
- Transom frames with bar and metal panel
- Transom frames with bar and glazing bead
- Multiple opening frames with transom panel or lites and/or side panels or lites
- 90 minutes borrowed lite frames
- 90 minutes without hose stream borrowed lites
- 90 minutes without hose stream side-lite frames
- Labeled frames for

**Pocket Door**
Pocket door frames create an elegant, clean-line design for walls and floor areas with space-saving requirements. A variety of sizes can be custom-crafted to meet your design specifications.

**Arched Doors and Frames**
Classically styled and powerfully built, NCHM’s arched doors and frames are superbly crafted for enduring beauty and performance. Choices include products made from stretch-formed, premium-quality cold-rolled A60 galvanneal steel or stainless steel. Removable glass stops to match the curvature of frame are factory pre-fit for the glass thickness required in all areas where glass is to be field-installed. Factory pre-fit arched doors are also available to match curvature of frame.

**Stainless Spats**
Stainless steel spats facilitate easy cleaning of the door frame and provide a protective layer from corrosive chemicals or other elements that can harm typical galvanneal or cold-rolled steel frames. Stainless spats are available from 4" up to the full frame height.

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Lead Lined –

Lead-lined doors feature a continuous sheet of lead between a panel of high-density polystyrene. The lead sheet extends the full width and height of the door. Lead-lined frames also are available in the same material as doors, and both doors and frames can be labeled up to 1-1/2 hour with maximum thickness of 3/32”.

Steel Stiffened –

Performance-engineered 22-gauge vertical hat-shaped steel stiffeners and facings are spot-welded on 6” or 8” centers to create a rugged door that can stand up strong to everyday impact. An excellent choice for schools, factories, hospitals and other high-traffic applications.

Polystyrene –

With safety and insulating performance in mind, self-extinguishing polystyrene panels are used to fill the door cavity. This high-density layer of insulation provides superior resistance to the transfer of heat and cold, and also serves as a sound-deadening barrier to achieve quiet comfort in your environment.

Honey Comb –

NCHM Honeycomb cores are sourced from “Hexacomb” and are premium quality “Expanded Phenolic Impregnated panels” honeycomb core possessing tremendous compression strength in our doors when the project requires a Honeycomb core for specification or to meet strict fire ratings. Also available in our galvanneal door construction when requested.

Our Expertise... Your Advantage

Customers have questions, and we have more than just textbook answers. Our highly knowledgeable and friendly staff offers the specialized insight only experience can offer. When a customer calls to order a door or frame, we talk about the specific requirements and help them choose the best product for the job. And while we strive to innovate and advance our products, nothing excites us more than giving our customers exactly what they need.
Under the ownership of the Mathews family, our long-standing tradition of excellence continues as the cornerstone of our success. When it comes to choosing the best source for all your custom-built and pre-engineered steel doors and frames, you can depend on NCHM for exceptional quality, service and value.

Choose from a wide variety of standard door designs available in 18, 16, 14, 12 gauge galvanneal steel and type 304 or 316 stainless steel with either polystyrene, honeycomb, or vertical steel stiffened cores. NCHM doors and frames meet or exceed nationally recognized and accepted test standards and criteria. Using independent testing and certification agencies, our products earn consistently high marks for quality and performance.
A higher level of craftsmanship and attention to detail

Superior products and outstanding service. Industry-leading turnaround time for custom orders. The dedication to meet every customer’s needs, every day. At National Custom Hollow Metal Doors & Frames, we give you much more than doors.

Pride in our work and a drive for perfection translate into products of superior form, fit and function—as well as a higher level of consistent quality and cost efficiency.

Let NCHM quote your next project!

800.334.3070
ph: 501.372.3441
fx: 501.375.3070

Wood Stud Clip
ADJ FL Clip
Masonry T
Welded Floor Clip
ADJ Loop Anchor
Channel Stud “Z” Clip
EDC Bolt Spacer
Wire Anchor
Multipurpose Anchor

[Image of custom hollow metal doors and frames with a worker welding]

NATIONAL
CUSTOM HOLLOW METAL DOORS & FRAMES
1234 Main Street
Little Rock, AR 72200
quality components

No Part Goes Unnoticed! Because every facet of our door and frame construction contributes to overall product performance, we incorporate only quality-proven components to finish the job.

Reinforcements – Mortised hardware items are drilled and tapped at the factory. Reinforcements for surface-applied hardware will be drilled and tapped in the field by the contractor.

Corners – Corners can be supplied face-welded and ground smooth, or full-throat back welded. Pharmaceutical grade throat welded for DefendDoor stainless steel.

Weld Types – Frame assemblies are shipped to the jobsite completely welded. Field joints are permitted when the size of the total assembly exceeds shipping limitations, materials limitations, or restricted access for installation.

 Anchors – Frames are furnished with a minimum of six proper anchors of manufacturer’s standard design as required by wall conditions. Frames have sill anchors welded to the bottom of all jambs for attachment to the finished floor.

Section Details of Typical Welded Assemblies

7 Gauge Thick Hinge
Reinforcing Plate

Hospital stop

Start smart. Finish strong.

The confidence that under our watchful eyes and skilled hands every door and frame is built to stand strong, fit with precision, and provide years of excellent service.

The promise that from raw materials through production, our products are rigorously tested and inspected to meet or exceed industry standards for structural integrity and performance.

The trust that our doors and frames are backed by the full faith of our more than four decades of industry expertise.

NCHM is a substantial departure from your ordinary door and frame manufacturer. As a family-owned company, we do things a little differently. From the day you place your order to the day your product is shipped, every employee’s hands and eyes are involved in the production process to make certain your product is in top condition. We will get to know you, your business, and how we can best serve your needs. With a mixture of industry insight and people energy, we will strive not only to satisfy you—but to make you happy.

builtstronger
beautifully built and crated with care

It is our companywide pledge and never-ending ambition to have our products arrive at your jobsite in perfect condition. To that end, doors and frames are meticulously wrapped in impact-absorbing materials and carefully packaged in heavy-duty wooden crates. We take every measure to ensure a smooth and timely arrival. If a problem does occur, rest assured we will do what we can to help make it right.

The difference is quality.

There’s no substitute for experience and hands-on product knowledge. NCHM has assembled a hard-working team through the years. Our people truly make the quality difference.

When you need it now and need it right—

Our standard lead time is Quik Ship. We can turn around orders for any typical galvanneal door or frame in 5 - 10 days, a significant time savings compared to the 6 or 8 weeks lead time required by many larger manufacturers.

We listen. We build. We deliver—fast.

No one delivers faster or build ‘em better—

For those critical times when you are in a bind, we answer the call with unmatched performance power. We will walk your order through our production facility and get it to you in record time.

1701 East 22nd Street, Little Rock, Arkansas 72206