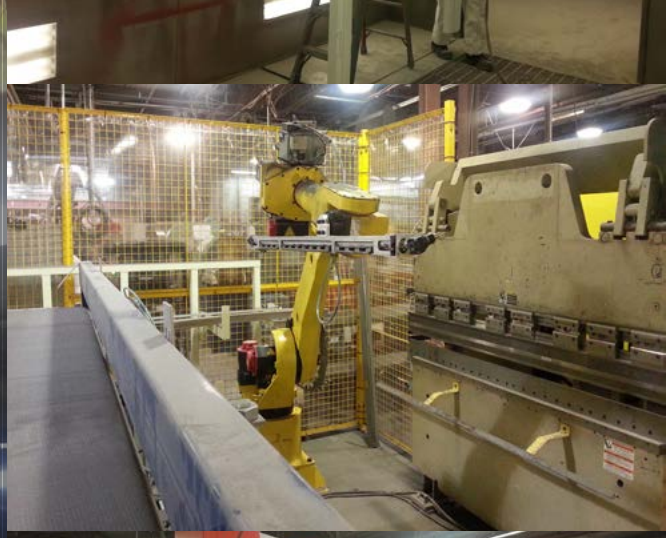
DESIGN AND MANUFACTURING OF STEEL DOORS AND FRAMES

delafontaine.com

DE LA FONTAINE

Imagine. We realize.

“BEHIND EACH OF OUR DOORS, THERE IS AN ORIGINAL IDEA, THE LATEST TECHNOLOGY, AND A TEAM THAT IS READY TO COMBINE THE STRENGTH OF STEEL WITH THE POWER OF DESIGN.”



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OUR AFFILIATIONS AND ACCREDITATIONS

- Door & Hardware Institute (DHI)
- Construction Specification Institute (CSI)
- National Association of Architectural Metal Manufacturers (NAAMM)
- ISO 9001: 2008
- ITS Warnock Hersey + British Standards
- AIA Provider

Corporate Member Door and Hardware Institute · NAAMM National Association of Architectural Metal Manufacturers MEMBER · NSF Enregistré ISO 9001 · Intertek · Continuing Education AIA · CSI Building Knowledge Improving Project Delivery

DE LA FONTAINE INDUSTRIES OFFERS A COMPLETE LINE OF HIGH QUALITY HOLLOW METAL DOORS AND FRAMES

BUILT WITH GALVANNEALED STEEL OR STAINLESS STEEL. OUR COMPANY EXPERTISE AND REPUTATION FOR RELIABILITY IS BASED ON MORE THAN 45 YEARS OF EXPERIENCE IN THE DOOR INDUSTRY.

Contact Information

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(questions related to a technical aspect of the product or project)
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DE LA FONTAINE
OUR FAMILY. YOUR SUCCESS.

1960 | 1970 | 1980

1968
Incorporation of DE LA FONTAINE in Sherbrooke (Quebec, Canada) by **Gérald de La Fontaine**. A visionary, he is the first in the Eastern Townships market to offer interior doors with pre-assembled frames.

1973
The company moves to its current location on Brodeur Street, occupying 12,000 square feet.

1976
DE LA FONTAINE expands in Quebec thanks to several partnerships.

1982
The second generation arrives on the scene as **Robert de La Fontaine succeeds his father.**

1986
The company expands its operations in the US: René Bouchard, previously responsible for sales, opens the first US warehouse in Hartford, CT.

1989
Mass production of the first steel door begins.

HISTORICAL TIMELINE

OUR MISSION

To exceed our clients' expectations by delivering the most innovative and high-performance solutions in the field of architectural openings.

OUR VISION

It is through persistent innovation and out-performance that we have grown and will continue to grow. All our organizational and team efforts unite to achieve a single goal: to be recognized worldwide as the most trusted reference for architectural openings.

OUR VALUES

CLIENT-FOCUSED
PERFORMANCE
INNOVATION
COMPETENCE
QUALITY
TEAM SPIRIT

1990

1993

Steel is adopted for all door and frame production.

1995

Increased development in the US market is driven by a partnership with Smoot Associates, Inc.

1998

The "Toyota" management model and added-value production principles are adopted.

1999

The company is well established in the US Northeast. **France**, **Richard** and **Anie de La Fontaine** have all joined their brother Robert in investing in the family business.

2000

2007

Expansion of the Sherbrooke facility to accommodate a new prefinishing line. The factory now occupies 60,000 square feet.

2009

Market launch of a line of prefinished products with flexible designs that combine performance and esthetics while maintaining fire-resistance standards.

2010

2010

Transformation of the Woburn, MA warehouse into a flexible factory.

2011

International development: the company's reputation gains notoriety in new markets (Middle East, Latin America, etc.).

2012

The third generation joins the company: the arrival of **Gabriel de La Fontaine** and **Ghyslain Dubois** brings new dreams, new ideas and new energy.

2013

Major investments in the Sherbrooke facility in order to support current and future growth at DE LA FONTAINE.

2014

Launch of Microsoft Dynamics AX 2012 integrated management software.

QUALITY PRODUCTS, RELIABLE SERVICE, AND 2-WEEK DELIVERY*: THIS IS THE COMBINATION THAT MAKES US A TRUE PARTNER.

DE LA FONTAINE industries offers a complete line of high quality hollow metal doors and frames built with galvannealed steel or stainless steel. These are available as standard products as well as more complex or custom-designed products. You choose the options that suit your project, as each product is made to order according to YOUR NEEDS.

LEADTIME/SERVICE

WITHIN 2 WEEKS*:

Custom or standard galvannealed hollow metal doors, frames (including split frames) and sidelites, including continuously welded products, primed or not.

WITHIN 4 WEEKS*:

Prefinished powder-coated hollow metal doors, frames and sidelites.

WITHIN 4 WEEKS*:

Stainless steel, lead-lined, and acoustical products, including continuously welded products.

* Larger or more complex projects may require additional time. For more details, please call our customer service.

QUALITY ASSURANCE

- More than 45 years of experience as a manufacturer in the industry.
- Quality products manufactured with state-of-the-art equipment.
- Meeting or exceeding industry standards.
- Our Sherbrooke facility is ISO 9001: 2008 certified.

MATERIAL

Our products are made with galvannealed steel with a coating of a zinc-iron alloy. This alloy offers better corrosion resistance than primed cold-rolled steel and requires less surface preparation for painting than hot-dipped galvanized steel (G60-G90).

For interior openings, DE LA FONTAINE offers the A40 (ZF 120) designation; for exterior applications or wet areas, the A60 (ZF 180) designation is available.

DE LA FONTAINE also offers stainless steel 304 and 316, finish no.4 (satin finish) for environments in the presence of corrosive products or for wet areas.

STEEL COMPLIANCE

ASTM A653/A653M

Our galvannealed steel complies with ASTM A653/A653M (Standard Specification for Steel Sheet, Zinc-Coated (Galvanised) or Zinc-Iron Alloy Coated (Galvannealed) by the Hot Dip Process).

ASTM A240/A240M

Our stainless steel complies with ASTM A240/A240M (Standard Specification for Chromium and Chromium Nickel Stainless Steel Plate, Sheet and Strip for Pressure Vessels and for General Applications).

STEEL GAUGES

For quality purpose, our steel gauges exceed industry standard NAAMM/HMMA 803 (steel tables).

FIRE RATING

The basic requirements and limitations regarding DE LA FONTAINE fire doors and frames are defined by the National Fire Protection Association, NFPA 80 (Standard for Fire Doors and Other Opening Protectives).

Our products also comply with the following standards:

- **UL 10C** (Standard Positive Pressure Fire Tests of Door Assemblies)
- **NFPA 252** (Standard Methods of Fire Tests of Door Assemblies)
- **NFPA 257** (Standard on Fire Test of Window and Glass Block Assemblies)
- **BS-476-22 British Standard** (Fire Resistance Test to Building Material – Non loadbearing elements)

Because the DE LA FONTAINE team is dedicated to innovation and new product development, we purchased our own testing facility. Once product development is complete, we perform a final test at Intertek Testing Services (ITS/Warnock Hersey) to receive their approval and obtain listing, labeling, and follow-up services for the fire-rated products we manufacture[1].

[1] For additional information on fire-rated doors and frames manufactured by DE LA FONTAINE, visit our website or contact your sales representative or our customer service team.

PRIMER AND PAINT

Our galvannealed steel is suitable for immediate painting, although we also offer water-borne primed products and factory prefinished products using a durable powder-coating process.

PRIMER

- Our primer improves protection against humidity and corrosion and can be covered with any type of coating.
- Water-borne, it complies with current environmental standards due to its low VOC content.

> **Our primer exceeds ANSI standard A250.10 (Test Procedures and Acceptance Criteria for Factory Applied Finish Painted on Steel Surfaces for Steel Doors and Frames).**

PAINT

- Powder-coated paint is available for many of our products. Our standard color palette includes several colors and can be complemented by custom colors as needed. Please consult our "Paint" technical data sheet on our website for more information.
- Powder-coated paint:
  - Offers durability and a quality finish
  - Reduces coordination on jobsite
  - Does not contain any solvents or VOCs (volatile organic compounds)

> **Exceeds ANSI standard A250.3 (Test Procedures and Acceptance Criteria for Factory Applied Finish Painted on Steel Surfaces for Steel Doors and Frames).**

ECOLOGICAL RESPONSIBILITY

DE LA FONTAINE has adopted ecological principles aimed to consume less, pollute little and recycle more. Here are some examples of our commitments:

- LEED-NC version 3.0 MR Credit 4.1 Certification (Leadership in Energy and Environmental Design)
- 100% recycling of steel waste
- Recycling of production waste
- Recycling of wood transport pallets

RECYCLED CONTENT

The total recycled content of our **galvannealed steel** is approximately 89.7%.

This includes:

- A total post-consumer content of 50.6%
- A total post-industrial content of 33.3%
- The remaining 5.8% is comprised of home scrap.

The total recycled content of our **stainless steel** is over 85%. However, the mill makes no distinction as to the origin of the scrap.

HC SERIES
HONEYCOMB CORE

KEY FEATURES

- 1” (25.4 mm) hexagonal cell Kraft paper core
- Excellent crushing strength
- 1 3/4” door thickness only
- Edge seam options:
  - Lock seam (PA) 20-, 18- or 16-gauge
  - Lock seam and putty filled (PAF) 20-, 18- or 16-gauge
  - Continuously welded seamless edge (CW) 18-, 16- and 14-gauge

Performance

- PA18: 500,000 cycles per ANSI A250.4
- CW18: 1,000,000 cycles per ANSI A250.4
- STC36 (operable rating with appropriate gasketing)

Fire Ratings

- Available up to 3 hours.
  Please consult our chart on our website for size limitations.

STANDARD FEATURES

- A40 galvannealed material
- 16-gauge top and bottom welded inverted channel
- Both edges beveled 1/8” in 2”

OPTIONS

- A60 or G90 material
- Flush or sealed top and bottom welded channel
- Primer for A40 and A60
- Factory prefinishing – powder coat only

HARDWARE REINFORCEMENTS

- Hinges: 10-gauge high-frequency (optional: 7-gauge plate)
- Closer: 16-gauge (optional: 14-gauge, 12-gauge)
- Locks: 12-gauge

PS SERIES
POLYSTYRENE CORE

KEY FEATURES

- Interior and exterior usage
- Expanded polystyrene core
- 1 3/4" door thickness standard (available 1 3/8" to 2 1/4")
- Edge seam options:
  - Lock seam (PA) 20-, 18- or 16-gauge
  - Lock seam and putty filled (PAF) 20-, 18- or 16-gauge
  - Continuously welded seamless edge (CW) 18-, 16-, 14- and 12-gauge
- R-Factor (metric values in parentheses)
  - ASTM C518: R7.03 (R1.24)
  - ASTM C1363: R2.44 (R0.43)
  - NFRC 102: R2.63 (R0.46)

Performance

- PA18: 1,000,000 cycles per ANSI A250.4
- CW16: 6,000,000 cycles per ANSI A250.4

Fire Ratings

- Available up to 1-1/2 hours.
  Please consult our chart on our website for size limitations.

STANDARD FEATURES

- A40 galvannealed material
- 16-gauge top and bottom welded inverted channel

OPTIONS

- A60 or G90 material
- Flush or sealed top and bottom welded channel
- Primer for A40 and A60
- Factory prefinishing **not available**

HARDWARE REINFORCEMENTS

- Hinges: 10-gauge high-frequency (optional: 7-gauge plate)
- Closer: 16-gauge (optional: 14-gauge, 12-gauge)
- Locks: 12-gauge

PU SERIES
POLYURETHANE CORE

KEY FEATURES

- Mostly exterior usage
- Polyisocyanurate (polyurethane) core
- 1 3/4" door thickness only
- Edge seam options:
  - Lock seam (PA) 20-, 18- or 16-gauge
  - Lock seam and putty filled (PAF) 20-, 18- or 16-gauge
  - Continuously welded seamless edge (CW) 18-, 16-, 14- and 12-gauge
- R-Factor (metric values in parentheses)
  - ASTM C518: R10.2 (R1.8)
  - ASTM C1363: R2.63 (R0.46)
  - NFRC 102: R2.8 (R0.49)

Fire Ratings

Available up to 1-1/2 hours.
Please consult our chart on our website for size limitations.

STANDARD FEATURES

- A40 galvannealed material
- 16-gauge top and bottom welded inverted channel

OPTIONS

- A60 or G90 material
- Flush or sealed top and bottom welded channel
- Primer for A40 and A60
- Factory prefinishing – powder coat only

HARDWARE REINFORCEMENTS

- Hinges: 10-gauge high-frequency (optional: 7-gauge plate)
- Closer: 16-gauge (optional: 14-gauge, 12-gauge)
- Locks: 12-gauge

ST SERIES
STEEL STIFFENED CORE

KEY FEATURES

- Increased durability and security
- Interior and exterior usage
- Bonded 18-gauge steel stiffeners 6" o.c. with industrial adhesive
- Voids between stiffeners filled with:
  - Polystyrene, all door thickness available
  - Polyurethane, 1-3/4" door thickness only
  - Mineral wool, 1-3/4" door thickness only
- Edge seam options:
  - Lock seam (PA) 18- or 16-gauge
  - Lock seam and putty filled (PAF) 18- or 16-gauge
  - Continuously welded seamless edge (CW) 18-, 16-, 14- and 12-gauge
- R-Factor (metric values in parentheses)
  - STY: ASTM C1363: R1.54 (R0.27)
  - URE: ASTM C1363: R1.7 (R0.29)
  - MW: ASTM C1363: R1.8 (R0.32)

Performance

- Polystyrene: Windstorm Class 1, 70 PSF, 350 ft-lbs.
  See Windstorm-resistant openings section p.33 for more details.

Fire Ratings

Available up to 1-1/2 hours for polystyrene and mineral wool. Please consult our chart on our website for size limitations.

STANDARD FEATURES

- A40 galvannealed material
- 16-gauge top and bottom welded inverted channel

OPTIONS

- A60 galvannealed material
- Flush or sealed top and bottom welded channel
- Laser welded stiffeners
- Primer for A40 and A60
- Factory prefinishing – powder coat only

HARDWARE REINFORCEMENTS

- Hinges: 10-gauge high-frequency (optional: 7-gauge plate)
- Closer: 16-gauge (optional: 14-gauge, 12-gauge)
- Locks: 12-gauge

TR SERIES
TEMPERATURE RISE CORE

KEY FEATURES

- Reinforced fire protection for building occupants
- Mostly for doors in the path of egress
- Two core types available:
  - Solid mineral slab
  - Steel stiffened with mineral wool
- 1 3/4" door thickness only on mineral slab
- 1 3/4" and 2" door thickness on steel stiffened
- Edge seam options:
  - Lock seam (PA) 18- or 16-gauge
  - Lock seam and putty filled (PAF) 18- or 16-gauge
  - Continuously welded seamless edge (CW) 18-, 16-, 14- and 12-gauge
- R-Factor (metric values in parentheses)
  - ASTM C518: R3.9 (R0.69)

Performance (Mineral Slab)

- 250°F in 30 minutes, up to 1-1/2 hours fire rating
- 450°F in 60 minutes, up to 3 hours fire rating
- 450°F in 30 minutes, up to 1-1/2 hours fire rating

Performance (Steel Stiffened with Mineral Wool)

450°F in 30 minutes, up to 1-1/2 hours fire rating

Fire Ratings

Please consult our chart on our website for size limitations.

STANDARD FEATURES

- A40 galvannealed material
- 16-gauge flush and welded top and bottom cap (standard for mineral slab)
- 16-gauge top and bottom welded inverted channel (standard for steel stiffened)

OPTIONS

- A60 or G90 material
- Primer for A40 and A60
- Factory prefinishing – powder coat only

HARDWARE REINFORCEMENTS

- Hinges: 10-gauge high-frequency (optional: 7-gauge plate)
- Closer: 16-gauge (optional: 14-gauge, 12-gauge)
- Locks: 12-gauge

STC SERIES
ACOUSTICAL CORE

KEY FEATURES

- Ensures both quiet and privacy
- Steel stiffened with mineral wool
- Opening size up to 4’0” x 8’0”
- Pairs of doors have not been tested, calculated rating only
- Edge seam options:
  - Lock seam (PA) 16-gauge
  - Lock seam and putty filled (PAF) 16-gauge

Performance

- Complies with ASTM E90 and ASTM E413
- Door slab achieved STC rating of 52
- Operable door, frame and gasketing achieved STC rating of 47. Assembly includes a 14-gauge cased open frame.

STANDARD FEATURES

- A40 galvannealed material
- 16-gauge flush and welded top and bottom cap

OPTIONS

- A60 or G90 material
- Primer for A40 and A60
- Factory prefinishing – powder coat only

HARDWARE REINFORCEMENTS

- Hinges: 14-gauge full surface continuous hinge (optional: 7-gauge plate)
- Closer: 16-gauge (optional: 14-gauge, 12-gauge)
- Locks: 12-gauge

Included hardware (with STC47 assembly only)

- Full surface continuous geared hinge
- Adjustable perimeter sound seal
- Rabbeted threshold
- Automatic surface door bottom
- Security astragals (for pairs only)

LL SERIES
LEAD LINED CORE

KEY FEATURES

- For use in environments where radiation is present
- Expanded polystyrene core with 98% pure lead sheet available in three different thicknesses:
  - 1/32”
  - 1/16”
  - 1/8” (16-, 14- and 12-gauge door only)
- Door thickness from 1 3/4” up to 2 1/4”
- Edge seam options:
  - Lock seam (PA) 18- or 16-gauge
  - Lock seam and putty filled (PAF) 18- or 16-gauge
  - Continuously welded seamless edge (CW) 18-, 16-, 14- and 12-gauge

Complies with:

- ASTM B29: Standard Specification for Refined Lead
- Federal Specification QQ-L-201 “C” Category
- CSA HP2 type 2 lead

STANDARD FEATURES

- A40 galvannealed material
- 16-gauge flush and welded top and bottom cap

OPTIONS

- A60 or G90 material
- Primer for A40 and A60
- Factory prefinishing **not available**

HARDWARE REINFORCEMENTS

- Hanging: We strongly recommend the use of pivot set.
- Closer: 16-gauge (optional: 14-gauge, 12-gauge)
- Locks: 12-gauge

NOTE: DE LA FONTAINE WILL NOT DETERMINE THE NECESSARY LEAD THICKNESS.

DOOR **OPTIONS:** DOOR SEAMS

Seamless, lock seam on edge construction.

- The seam is filled with industrial adhesive then putty-filled and ground smooth (PAF).
- Achieves 1,000,000 cycles as per ANSI A250.4.

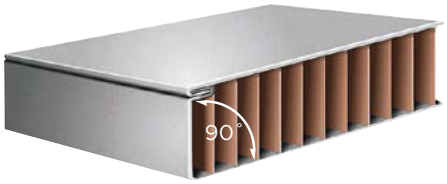
Standard, lock seam on edge construction.

- Reinforced welded corners (PA).
- Achieves 1,000,000 cycles as per ANSI A250.4.

Seamless, continuously welded, internally reinforced stiles, 18-gauge (0.044"/1.1 mm) or 16-gauge (0.056"/1.4 mm).

- **Fully welded** centered seam, (CW).
- Achieves 6,000,000 cycles as per ANSI A250.4.

DOOR **OPTIONS:** DOOR EDGES



Square edge door, 90-degree angle to the door face.

- Standard on strike edge of inactive door and hinge edge of door with continuous hinge.

Beveled edge door, 87-degree angle to the door face (1/8" (3.2 mm) in 2" (50.8 mm)).

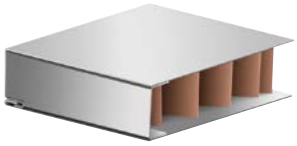
- Standard on active door.

Segmented radius edge for double acting door.

- The seam is filled with industrial adhesive then putty-filled and ground smooth.
- Available in PA series only.

DOOR OPTIONS: TOP AND BOTTOM CHANNELS

Standard, inverted steel channels, projection welded, 16-gauge (0.056”/1.4 mm) or 14-gauge (0.071”/1.8 mm).



Flush steel channels, projection welded, 16-gauge (0.056”/1.4 mm) or 14-gauge (0.071”/1.8 mm), not sealed.

Flush and sealed steel channels, projection welded, 16-gauge (0.056”/1.4 mm) or 14-gauge (0.071”/1.8 mm).

Fully continuously welded centered seam. Flush internal steel channels, 16-gauge (0.056”/1.4 mm) or 14-gauge (0.071”/1.8 mm).

PVC top cap (snap-in).

DOOR OPTIONS: STANDARD DOOR HARDWARE REINFORCEMENTS

High frequency hinge reinforcement, 10-gauge (0.129”/3.3 mm) or 7-gauge (0.167”/4.2 mm) flat hinge reinforcement.

Cylindrical lock reinforcement, 12-gauge (0.105”/2.7 mm) lock front, 18-gauge (0.044”/1.1 mm) spacer.

Mortise lock reinforcement, 12-gauge (0.105”/2.7 mm) lock front, 16-gauge (0.056”/1.4 mm) box.

Flush bolt reinforcement, 12-gauge (0.105”/2.7 mm) tabs.

Standard ANSI 4 7/8” (123.8 mm) strike reinforcement, 16-gauge (0.056”/1.4 mm).

NOTE: HARDWARE REINFORCEMENTS ARE PROJECTION WELDED. PLEASE CONTACT YOUR LOCAL REPRESENTATIVE FOR ADDITIONAL DETAILS ON HARDWARE REINFORCEMENT.

DOOR **OPTIONS:** VISION KITS AND LOUVERS

Standard two-part sandwich-type louver, inverted "Y" blades, welded corners, 50% free-flow area, 18-gauge (0.044"/1.1 mm). Available in CRS, A40, A60 material and fire rated.

Standard two-part sandwich-type vision kit, welded corner sections, 18-gauge (0.044"/1.1 mm). Available for 1/4" (6.3 mm) to 1" (25.4 mm) thick glass (N series).

Two-part sandwich-type vision kit with muntins, 18-gauge (0.044"/1.1 mm). Only available non-rated and for 1/4" (6.3 mm) and 1/2" (12.7 mm) thick glass.

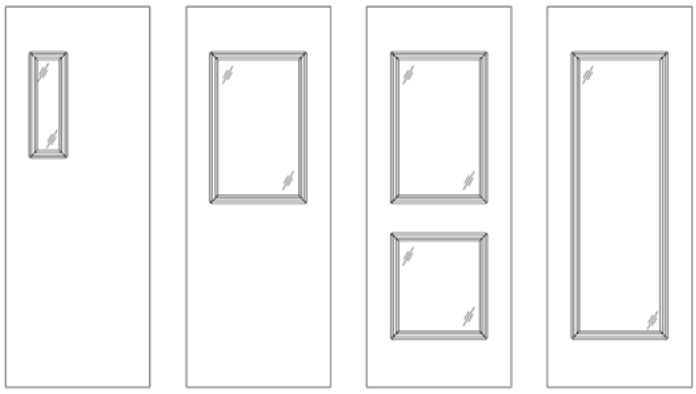
DLF flush vision kit, 16-gauge (0.056"/1.4 mm). Spot welded, available for 1/4" (6.3 mm) to 1" (25.4 mm) thick glass (P series).

DLF flush seamless vision kit, 16-gauge (0.056"/1.4 mm). Spot welded, available for 1/4" (6.3 mm) to 1" (25.4 mm) thick glass (O series).

TYPICAL DOOR ELEVATIONS

Multiple sizes and combinations available with different door series or door models. Please consult factory for additional information.

We recommend keeping 7" (178 mm) stiles and 8" (203 mm) top rail to avoid any hardware conflicts.



NL:
Narrow lite

HG:
Half glass

2G:
Double half glass

FG:
Full glass

EMB - DOOR MODELS
PRE-EMBOSSED

For classic elegance and an economical solution, choose from our pre-embossed panel doors.

AVAILABLE IN THE FOLLOWING DOOR SERIES:

- Honeycomb
- Polystyrene

KEY FEATURES

- 18-gauge
- A40 galvanneal steel only
- Fire ratings available up to 3 hours. Please consult our chart for limitations.
- Exceeds the American National Standards Institute ANSI A250.4 standard
- Factory powder coat prefinishing available

Please consult our Technical Data Book for panel size limitations.

1PNL 2PNL 2PNLA 2PNLAE 4PNL 6PNL

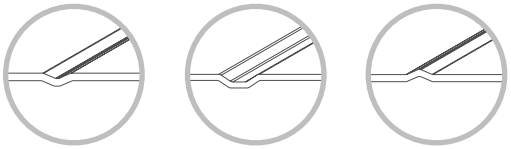
CED - DOOR MODELS
CUSTOM EMBOSSED

This line brings together the strength of steel with the flexibility of the latest technology in order to personalize the design of doors. For a contemporary look, draw the lines, curves and panels yourself to enrich the perspectives of your project with a unique touch.

AVAILABLE IN ALL OF OUR DOOR SERIES

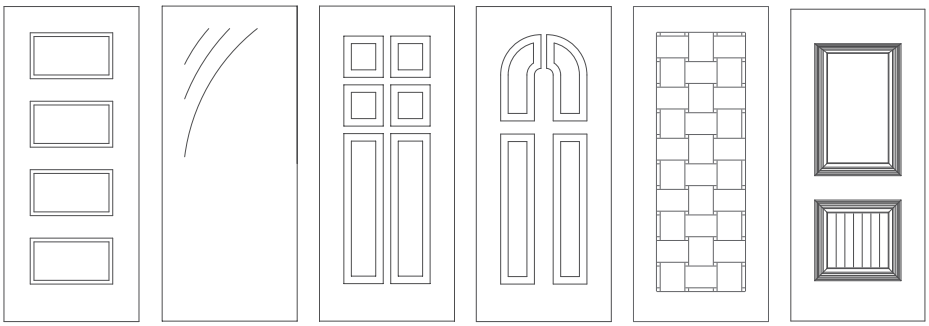
- 18- or 16-gauge
- A40, A60 galvannealed steel or 304 and 316 stainless steel no. 4 satin finish
- Fire ratings available up to 3 hours. Please consult our chart for limitations.
- Exceeds the American National Standards Institute ANSI A250.4 standard
- Factory powder coat prefinishing available for galvannealed steel only

EMBOSSING GROOVE STYLES AVAILABLE



V MODEL | U MODEL | INVERTED V MODEL

Most popular models



CED | CED105 | CED106 | CED109 | CED111 | 2PNL WITH CED

RDP - DOOR MODELS
RECESSED PANELS

Decide on the number of panels to embed as well as their size, add a wood or aluminum molding to accent the relief and choose the prefinishing color. You will have a unique door—a steel door which respects the most demanding of performance standards and is resistant to fire, and a designer door which will harmoniously integrate into your project.

AVAILABLE IN THE FOLLOWING DOOR SERIES:

- Honeycomb
- Polystyrene

KEY FEATURES

- 18-, 16- or 14-gauge
- A40, A60 galvannealed steel
- Fire ratings available up to 3 hours. Please consult our chart for limitations.
- Exceeds the American National Standards Institute ANSI A250.4 standard
- Factory powder coat prefinishing available for galvannealed steel only

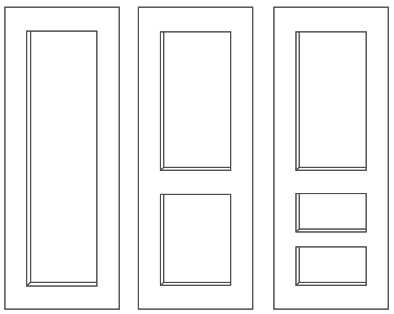
PANEL DESIGNS AVAILABLE

RECESSED PANEL

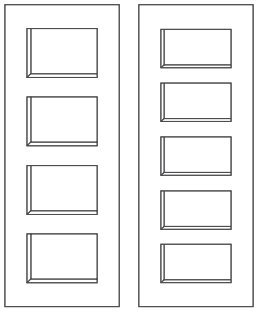
RECESSED PANEL WITH QUARTER ROUND MOLDING

RECESSED PANEL WITH PROFILE MOLDING

Most popular models



RDP 101 RDP 102 RDP 103



RDP 104 RDP 105

INL - DOOR MODELS
INLAYS

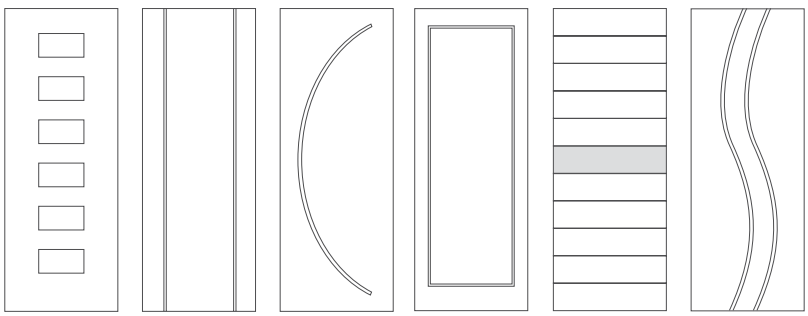
The fruit of many years of research and development, our insertion procedure reinvents inlay by combining steel with other materials applied to the surface: prefinished steel, wood, stainless steel, laminated plastic or brass. It offers exceptional flexibility in terms of design.

AVAILABLE IN ALL OF OUR DOOR SERIES

- 18- or 16-gauge
- A40, A60 galvannealed steel
- Personalized and exclusive design
- Possible combinations of different materials on the surface of the door
- Fire ratings available up to 3 hours. Please consult our chart for limitations.
- Exceeds the American National Standards Institute ANSI A250.4 standard
- Factory powder coat prefinishing available for galvannealed steel only

Inlay:
Prefinished steel, stainless steel, wood, brass, plastic laminate, bronze, metal laminate

Most popular models



INL 101 INL 102 INL 103 INL 104 INL 105 INL 111

SR SERIES
STANDARD FRAME

Designed to be installed in masonry wall conditions.

- Face welded or continuously welded frame assembly.
- Solid three-sided frame application.
- Welded floor anchor and mortar guard on hinge reinforcement are standard on welded frames.
- Available knock-down (KD), but compression anchor must be specified by customer if needed.
- Available for drywall, but we recommend using the DR series.

FIRE RATINGS

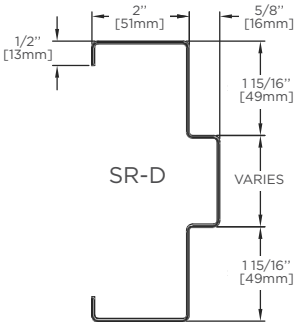
- Up to 3-hour (ITS/WHI) fire label

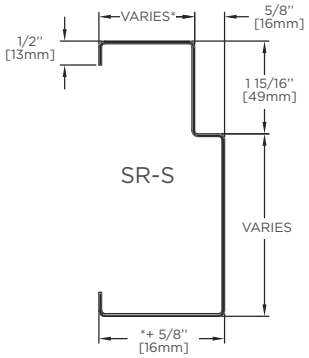
STANDARD FEATURES

- A40 galvannealed steel
- 16-gauge steel

OPTIONS

- A60 and G90 material
- 18-, 16- and 12-gauge
- Primer for A40 and A60





Standard Frame Anchors

DE LA FONTAINE standard anchors are designed for use in almost any job conditions. Custom anchors available.

"T" masonry anchor (TMA) with floor anchor, shipped loose.

Wire masonry anchor (WMA), shipped loose.

Existing wall anchor (EWA) with reinforcement, welded.

Steel stud "Z" bracket anchor (ZBA), welded.

Wood stud anchor (DCA), welded.

Multi-purpose wood or steel stud anchor (SWS), 2-piece, shipped loose.

Standard Frame Hardware Reinforcements

ANSI 4-7/8" strike reinforcement (16-gauge).

Standard (0.134") or heavyweight (0.180") hinge reinforcement (10-gauge).

Regular arm closer reinforcement (12-gauge).

Parallel arm closer reinforcement (12-gauge).

DW SERIES
DRYWALL FRAME

Designed to be installed after the wall is up (slip-on 3-piece frame).

- Three-sided frame for drywall applications.
- KD assembly.
- Compression anchor (leveling screw) on each jamb for plumbness and level.
- Punched and dimpled on frame face for no.6 drywall screw (standard).
- Drywall strap anchors (optional).

FIRE RATINGS

- Up to 3-hour (ITS/WHI) fire label

STANDARD FEATURES

- A40 galvannealed steel
- 16-gauge steel

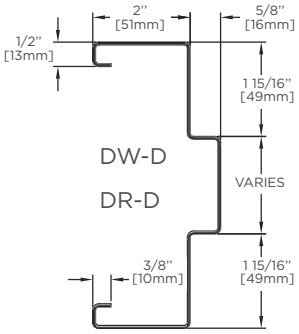
OPTIONS

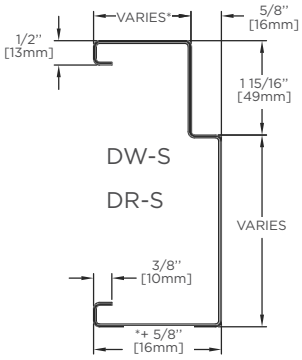
- A60 and G90 material
- 18- and 14-gauge
- Primer for A40 and A60

Screw base anchor (SBA).

Drywall strap anchor (DSA).

Knock-down (KD) assembly with tabs and compression anchor.





DR SERIES
PRE-DRYWALL FRAME

Designed to be installed into metal or wood stud framing before drywall board is installed.

- Face welded or continuously welded drywall three-sided frame.
- 18-gauge welded-in steel stud anchors (standard).
- 16-gauge welded floor anchor (standard).
- Wood stud anchor (optional).
- Multi-purpose anchor (optional), shipped loose.

FIRE RATINGS

- Up to 3-hour (ITS/WHI) fire label

STANDARD FEATURES

- A40 galvannealed steel
- 16-gauge steel

OPTIONS

- A60 and G90 material
- 18- and 14-gauge
- Primer for A40 and A60

LR SERIES
LESS RETURN FRAME

Designed for wood trim nailed on the perimeter (wood trim prep).

- Ideal for historical renovations.
- Warm-feeling, true commercial frame.
- High-end and affordable three-sided frame for drywall applications.
- The ideal application is KD.
- Available in face welded or split frame configuration.
- Wall dimension is critical when ordering this frame.

FIRE RATINGS

- Up to 1-1/2-hour (ITS/WHI) fire label with any type of wood trim installed by contractor

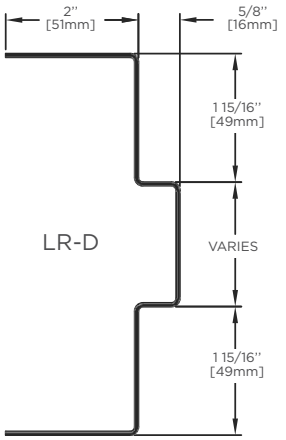
STANDARD FEATURES

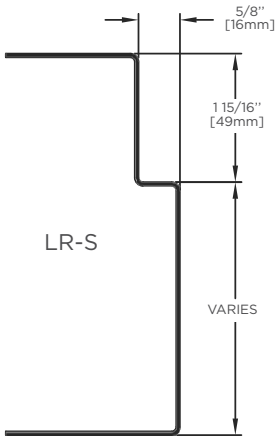
- A40 galvannealed steel
- 16-gauge steel

OPTIONS

- A60 galvannealed steel
- 18- and 14-gauge steel
- Primer for A40 and A60

Wood trim prep.





SF SERIES
SPLIT FRAME

Designed to be installed after the wall is up. With its unique anchoring system, this frame will save time and coordination on the jobsite in addition to offering a solid and strong face welded assembly.

- Solid, strong and secure opening.
- Face-welded commercial 2-piece welded frame, installed after walls are erected.
- State-of-the-art anchoring system for steel or wood stud walls without face screws.
- Powder-coated pre-finishing from the factory recommended.
- Available for three-sided, transom, borrowed lite and sidelite frame configuration.
- Reduces coordination and time spent on the jobsite.

FIRE RATINGS

- Up to 1-1/2-hour (ITS/WHI) fire label

STANDARD FEATURES

- A40 galvannealed steel
- 16-gauge steel

OPTIONS

- A60 galvannealed steel
- 18- and 14-gauge steel
- Primer for A40 and A60

Please consult our website for installation procedure and video.

See page 31 for more details and features.

Split frame wrapping steel stud with drywall.

Split frame anchor (SFA).

RB SERIES
ROUGH BUCK FRAME

Designed for retrofit openings, the rough buck frame will allow for adjustment to compensate for out-of-square masonry openings.

KEY FEATURES

- A unique solution for retrofit applications.
- Solid anchorage of the frame, does not require grouting.
- Less-return finish frame.
- U-channel 12-gauge sub frame butted to the masonry wall.
- Pre-drilled holes for 1/4" (6.4 mm) Tapcon® screws.
- 14-gauge adjustable floor anchor.
- Compression anchors at critical locations for accurate adjustment and tight-fitting miters.

FIRE RATINGS

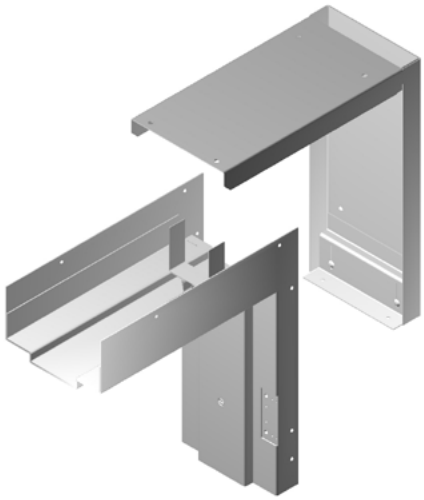
- Up to 1-1/2-hour (ITS/WHI) fire label

STANDARD FEATURES

- A40 galvannealed steel

OPTIONS

- A60 galvannealed steel
- 16-, 14- or 12- gauge steel
- Primer for A40 and A60



RB Series, Rough Buck Frame

FRAME OPTIONS

DOUBLE EGRESS PROFILE

Specialized frame designed for door leaves operating in opposite directions.

- Double egress frame is available in SR, DR and DW series.
- 1-3/8" x 2-5/8" or 2" x 3-1/4" frame face standard profiles.
- Compatible with all of our standard anchors.
- Must be welded for fire rating.

Special profile available for swing clear hinges or pocket pivot hardware.

THERMAL BREAK PROFILE

Specialized frame designed to significantly reduce condensation or frost on the interior of the frame in cold weather conditions.

- PVC thermal break
- A60 steel recommended
- 16- or 14-gauge steel
- Not available in KD frame assembly
- Fire rating not available

TERMINATED (SANITARY) STOP

Specialized frame option designed to prevent the build-up of germs and bacteria at floor level. It allows for easier floor cleaning in health care settings.

- Available in SR and DR series
- Accepts all of our standard anchors
- 16- or 14-gauge steel
- Variable height available for sanitary stops. Must not exceed 6" in fire-rated openings.
- 45- or 90-degree stop

OTHER PROFILES AVAILABLE

Single rabbet profile.

Centered glass profile.

Caulking groove profile.

Radius profile.

Sloped sill profile.

Double stepped ogee profile.

Shadow line profile.

NOTE: MOST OF THESE PROFILES CAN BE FIRE-RATED UP TO 90 MINUTES (POSITIVE PRESSURE UL 10C).

CUSTOM FRAME ELEVATIONS

DE LA FONTAINE has developed a true expertise in the assembly of custom frame elevations, including special profiles, arched frames, curved frames, segmented frames or any other special requirements your project may need.

DE LA FONTAINE is your partner of choice when it comes to custom frame elevation.

MATERIAL

- A40, A60, G90, stainless steel 304 and 316 no.4 (satin finish)
- 16-, 14- and 12-gauge

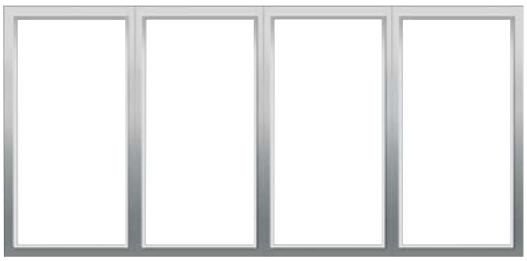
FRAME SERIES

Available in SR, DW, DR and split frame (SF) series

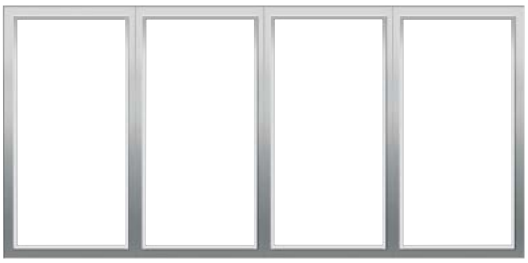
Elevations - Borrowed Lites

SEGMENTED RADIUS BORROWED LITE

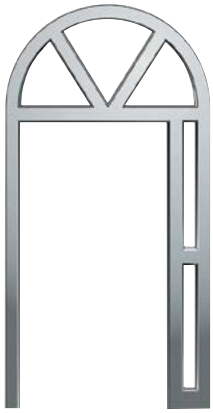
NOTE: FRAMES WITH CORNER POST OR SEGMENTED RADIUS ARE ELIGIBLE FOR FIRE RATING. PLEASE CONSULT OUR CHART FOR LIMITATIONS.



TRUE-RADIUS BORROWED LITE



Elevations - Arched Frame



Elevations - Removable Mullion Details

Head/top of mullion assembly detail. 90-minute fire-rated (positive pressure; UL 10C).

Bottom of mullion/floor-assembly detail. 90-minute fire-rated (positive pressure; UL 10C).

Fixed mullion floor anchor.

DETENTION PRODUCTS SOLUTIONS

DE LA FONTAINE's detention products deliver security, performance and durability. They are ideal for a wide range of applications in correctional centers or other institutions that require a high degree of security.

DOORS

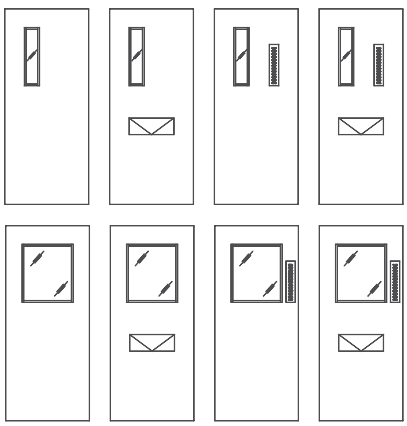
- Galvannealed steel, A40 or A60
- Surface thickness of 16-gauge (1.6 mm) to 12-gauge (2.5 mm)
- Doors of 1-3/4" to 2-1/4"
- 12-gauge reinforced perimeter (14-gauge and 10-gauge also available)
- Welded edges, ground smooth
- Vision kit with welded or screwed glazing bead. Factory installed glass available.
- Integrated acoustic grilles, easy to maintain*
- Heavy duty particle wood or steel stiffened core
- Doors available with powder coating paint, applied in-factory
- Hardware installed in-factory according to project specifications

*** The assembly recommended by DE LA FONTAINE allows for the easy removal and reinstallation of vision kits and the acoustic grille.**

FRAMES AND SIDELITES

- Galvannealed steel, A40 or A60
- Material available in thicknesses from 14-gauge (2 mm) to 3-gauge (6 mm)
- Continuously welded for a durable, heavy duty assembly
- Multiple profiles available
- Vision kits welded or screwed in-factory, with anti-tamper hardware
- Frames and sidelites available with factory-applied powder coating paint

DOOR MODELS



SPLIT FRAME SOLUTIONS

DE LA FONTAINE has combined its expertise, experience and innovation to develop an exclusive welded split frame available in a variety of configurations. Its design features—including a state-of-the-art anchoring system and a 2-piece welded frame—yield an accurate fit with a range of wall conditions andc onstructions. The result: a solid, strong and secure opening.

REDUCES JOBSITE COORDINATION AND TIME.

BENEFITS

Distributors:

- The frame, door and hardware can be assembled before shipping to the jobsite to ensure functionality of the opening.
- Fewer trips to the jobsite.
- Adjustability suitable for retrofit application.

End Users:

- Durable opening with less maintenance.
- Ease of compliance with the annual fire door inspection mandated by NFPA 80, 2010 edition.

Architects:

- Factory powder coated prefinished products.
- No VOCs.

Contractors:

- Installation can start once the walls have been painted.
- Factory prefinishing considerably reduces coordination and time spent on the jobsite.
- One sole responsibility for the complete opening.

Prefinish

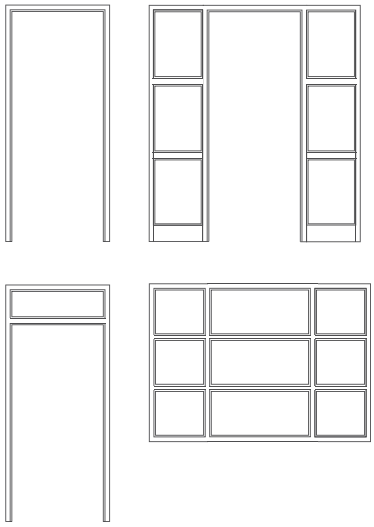
- High quality and durable powder coating that exceeds ANSI A250.3.
- Standard and custom colors available.

Fire Rating

- 90-minute (positive pressure; UL10C). Maximum overall dimensions: 8’2”W x 10’3/4”H (2489 mm x 3067 mm).
- 60-minute (positive pressure; UL10C). Maximum overall dimensions: 10’0”W x 11’5”H (3048 mm x 3480 mm)
- Pair of doors and field splice approved.

Performance

Exceeds American National Standards Institute ANSI A250.4, achieves 3,000,000 cycles.



ENERGY EFFICIENT OPENINGS SOLUTIONS

Experts agree that as design and development continue to trend towards energy-efficient performance, operating costs and carbon footprints will decrease. The outer envelope is the key to an eco-friendly building, and by their nature, windows and doors represent an important part of the equation.

The insulation level of an opening can be expressed relative to 2 different standards:

- **ASTM C518:** Standard Test Method for Steady State Thermal Transmission Properties by Means of the Heat Flow Meter Apparatus.
- **ASTM C1363:** Standard Test Method for Thermal Performance of Building Materials and Envelope Assemblies by Means of a Hot Box Apparatus.

DE LA FONTAINE offers insulating doors that, when combined with a thermal break frame, contribute to a considerable reduction in a building's energy costs.

The thermal break frame is a special profile with a polyvinyl chloride (PVC) seal that inhibits the transfer of heat/cold from the exposed to the non-exposed side of the frame. This seal is also installed in the mullion of elevations and borrowed lites. Mullions can be filled with insulating mineral wool.

Please refer to our individual Door Series or to the technical data sheet on our website for complete information on testing procedures and energy values for DE LA FONTAINE products.

SOUND-DEADENING OPENINGS (STC) SOLUTIONS

Sound-deadening doors and frames are necessary in many commercial buildings, such as auditoriums, offices, hospitals, schools, and multi-housing buildings. They limit the intrusion of noise into a room and ensure both quiet and privacy.

DE LA FONTAINE offers a sound-deadening opening with a maximum STC rating of 47, in compliance with ASTM E90 and ASTM E413.

DE LA FONTAINE provides the following components:

- 14-gauge, SR-CO Frame
- 16-gauge door
- Gasketing installed for STC47 only

SUMMARY OF DE LA FONTAINE STC PRODUCT OFFERING

DOOR SERIES	Non-operable (panel) STC rating	Operable STC rating
STC DOOR SERIES	52	44 to 47
ST DOOR SERIES (MINERAL WOOL)	39	31 to 38*
HC DOOR SERIES	37	30 to 36*

*Operable STC rating may vary depending on the quality of hardware and gasketing installation.

See our technical data sheet for more information.

STAINLESS STEEL DOORS AND FRAMES SOLUTIONS

DE LA FONTAINE also offers stainless steel solutions for damp areas, areas where high hygiene standards are essential, or areas where corrosive products are in use. Stainless steel is also ideal for high-end projects due to its esthetic appeal.

STAINLESS STEEL PRODUCT KEY FEATURES

- Compliant with ASTM A240/A240M
- 304 or 316, no.4 (satin finish)
- All Door Series available except TR Series
- Continuously welded seamless edge available
- All frame series available
- Sanitary welded corner for clean applications available
- Fire-rated up to 90 min (1-1/2 hours)
- All hardware and internal reinforcements made of stainless steel

Please consult your sales representative or our customer service team for more information on limitations and fire-rated stainless steel products.

Sanitary Welded Frame Assembly

WINDSTORM-RESISTANT OPENINGS SOLUTIONS

Storms and hurricanes are frequent in certain coastal areas, and construction standards demand high-performance products to ensure the safety of building occupants. DE LA FONTAINE offers a durable door that meets the industry's stringent standards, while the distinction of customized embossing allows you to combine performance and design.

WINDSTORM STANDARDS COMPLIANCE

- **ANSI A250.13, ASTM E330-02, ASTM E1886-05, ASTM E1996-09;**
- **Outswinging doors; Pressure: 70 psf; Impact: 350lb-ft; Class 1 door.**

SPECIFICATIONS

- Single door: up to 3'0" x 7'0" (914 mm x 2133 mm)
- Pair of doors: up to 6'0" x 7'0" (1829 mm x 2133 mm)
- Minimum 16-gauge ST Series (Steel Stiffened Core) with polystyrene and continuously welded seamless edge
- Minimum 16-gauge SR Series (Standard Frame) welded and existing wall anchors with tube
- Fire-rated up to 90 min (1-1/2 hours)

See our technical data sheet for more information.

A FEW OF OUR MANY PROJECTS...

1

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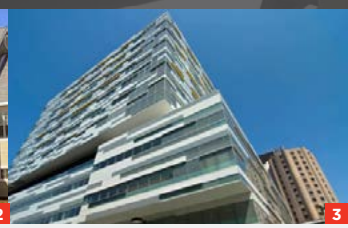

3

APARTMENTS
The Falls at Flint Hill (VA, USA)
The Avalon (NY, USA)

COMMERCIAL AND OFFICE BUILDINGS
The Prudential Center (MA, USA)
The National Research Council (ON, Canada)
The Loudoun Digital Realty (VA, USA)

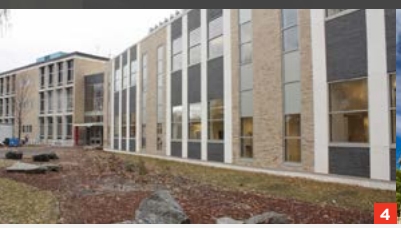
EDUCATION AND CULTURE
Harvard University (MA, USA)
4 Hudson Hall, Plattsburg State University of New York (NY, USA)
7 The Boston Museum of Fine Arts (MA, USA)
The University of Pennsylvania (PA, USA)
The John Adams Building and the Library of Congress (DC, USA)
The Academy for Performing Arts (Hong Kong, China)
Thompson Estates Elementary School (MD, USA)

GOVERNMENT AND SECURITY
The Sorel Prison (QC, Canada)
The Marcy Correctional Center (NY, USA)
The United States Embassy (Bangkok, Thailand)
The Police Headquarters (Hong Kong, China)
The United States Consulate (Naha, Japan)
The Federal Reserve Board (DC, USA)
5 The Illinois State Building (IL, USA)
The Renovated Sections of the Pentagone (DC, USA)
The Columbia County Courthouse (NY, USA)
The Commonwealth of Massachusetts Military Division and Joint Force Headquarters of the Massachusetts National Guard (MA, USA)

HEALTH SECTOR
2 Glendale Nursing Home (NY, USA)
3 The Brigham and Women's Hospital, Carl J. and Ruth Shapiro Cardiovascular Center (MA, USA)
1 The Shriners Hospitals for Children (QC, Canada)
The Massachusetts General Hospital (MA, USA)
The Hospital Maternidad Ciudad de la Salud (Dominican Republic)
The Christiana Care Wilmington Hospital (DE, USA)

You know that DE LA FONTAINE is not just a manufacturer. We are visionaries, inventors and designers. We do not produce doors on an assembly line, but rather create hospital doors that comfort and school doors that protect; office doors that work hard and prison doors that isolate; hotel doors that welcome and residence doors that open up onto life, peace and harmony.

And it is with this approach, one which embraces the world of our clients, that we have gained the confidence of innovative architects, demanding businesses and prestigious institutions all over the world.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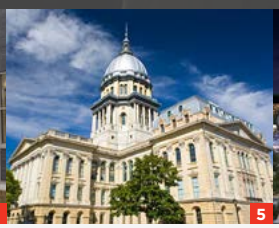
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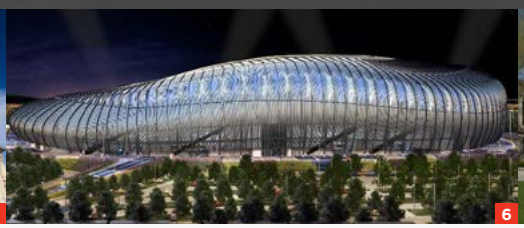
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7

HOTELS AND DORMITORIES

The Southbridge Hotel & Conference Center (MA, USA)
The Antaris Suite Hotel (Mexico)
The Sandy Lane (Barbados)
The Merrimack College Student Residence (MA, USA)
The DoubleTree Hotel (PA, USA)

INDUSTRIAL AND PHARMACEUTICAL

The Niagara Power (ON, Canada)
Bayer (CT, USA)
Merck & Co. (PA, USA)
Cambridge Isotope Laboratories (MA, USA)
Pfizer (MA, USA)

TRANSPORTATION

The Montréal Metro Stations (QC, Canada)
The Pierre Elliott Trudeau Airport (QC, Canada)

SPORT INFRASTRUCTURE

6 The Monterrey Stadium (Mexico)

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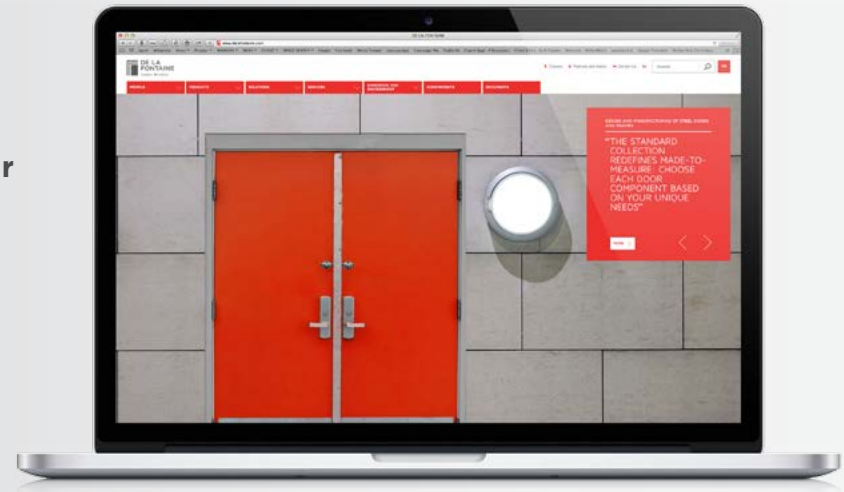
2014

For complete information on our products, visit our website:

DELAFONTAINE.COM



QUALITY PRODUCTS, RELIABLE SERVICE, AND 2-WEEK DELIVERY*:

THIS IS THE COMBINAISON THAT MAKES US A TRUE PARTNER.

*Larger or more complex projects may require additional time.

TELEPHONE

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DE LA FONTAINE
Imagine. We realize.