

**Concept Frames Incorporated**  
*Custom Hollow Metal Doors and Frames*

**"Where concept becomes reality"**





## Concept is...

Responsiveness

## The Reality is...

Rapid turn around on quotes and orders, with lead times as quick as one day.

## Concept is...

Flexibility

## The Reality is...

Custom metal doors and frames manufactured for a broad range of aesthetic and functional purposes used in commercial and industrial applications.



## Concept is...

Dependability

## The Reality is...

Quality hollow metal manufactured to design and schedule requirements.





# CONCEPT FRAMES INCORPORATED

“Where concept becomes reality”

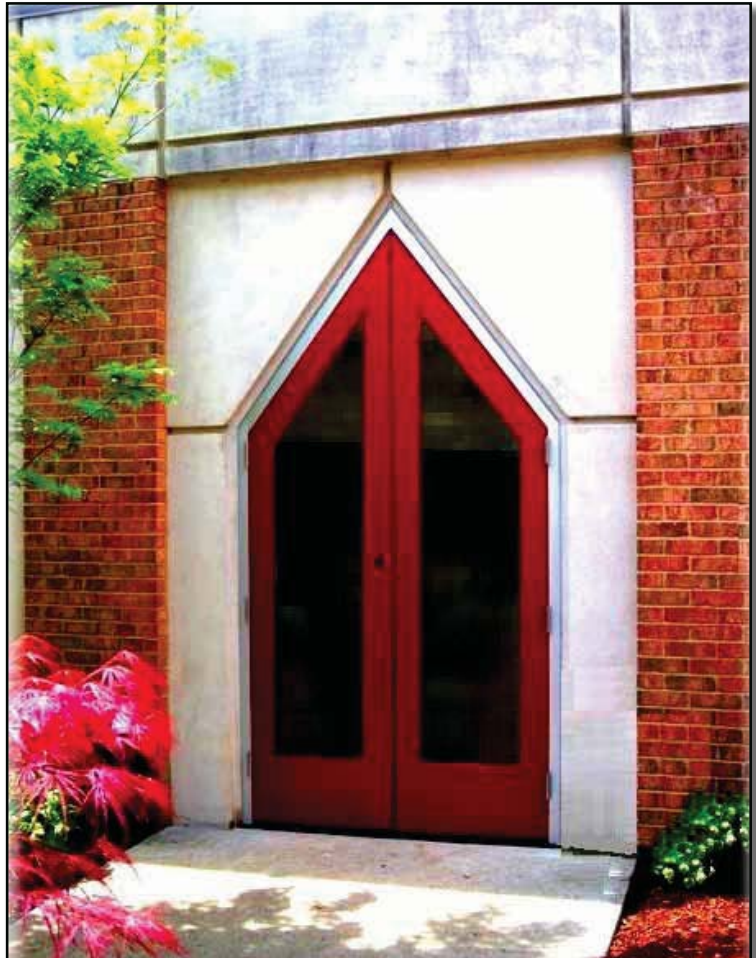
Concept Frames has been turning concept into reality since 1982, specializing in custom designs and quick shipments. We have proven time and again that we provide hollow metal doors and frames the way you need it, when you need it. Let our engineering and manufacturing expertise work for you.

The process begins with your quote request. We assist with any design issues and supply you with a quote and realistic lead time for shipment.

Upon receipt of your order, our design staff gathers all essential information to ensure order fulfillment. Your order is monitored from the initial stage to final inspection. Order tracking, change orders and any delivery adjustments are extremely manageable.

Each order is manufactured to demanding quality standards and packaged in custom built crates designed to protect from damage during shipment.

Concept Frames strives to meet your needs and exceed your expectations. Our dedication to service shows in all we do. For more than twenty five years, Concept Frames, Inc. has combined quality, effort, and experience to become a leading manufacturer of custom hollow metal doors and frames.



**CONCEPT FRAMES IS A  
MEMBER OF :**

**Hollow Metal Manufacturers  
Association**

A Division of the  
**National Association of  
Architectural Metal  
Manufacturers**

and the

**Door and Hardware Institute**



# Hollow Metal Frames

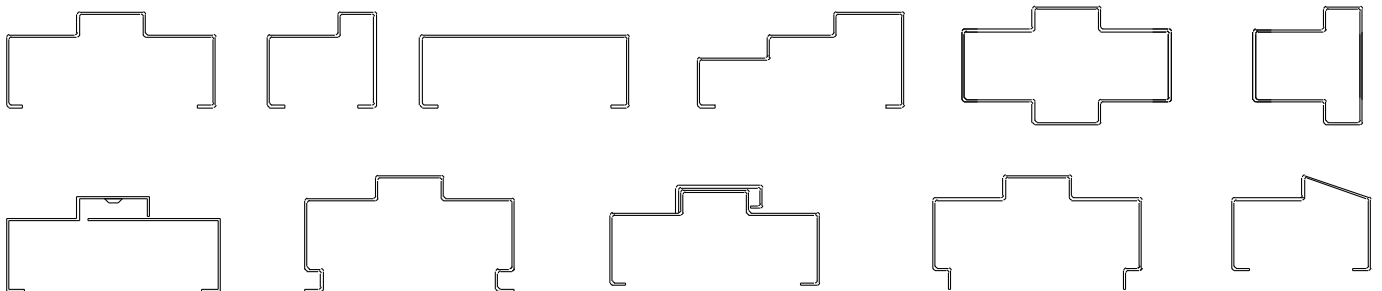


## Types of Frames

- Door Frames
- Borrowed Light Frames
- Sidelight Frames
- Transom Frames
- Double Egress Frames
- Radius Frames
- Kerfed Frames
- Pocket Door Frames
- Stainless Steel Frames
- Lead Lined Frames

## Frame Features

- Knock down or welded construction
- Manufactured from 16; 14 or 12 gauge zinc flash coat steel;  
A60 galvanneal available
- 7 gauge hinge reinforcements
- 16 gauge strike reinforcements
- Variety of profiles available





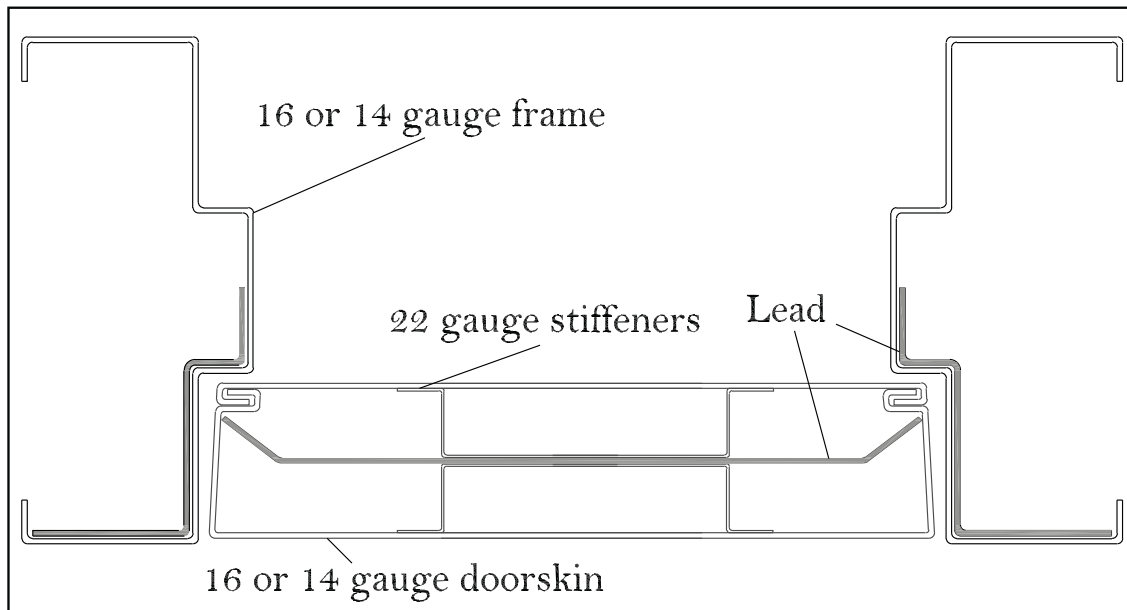
## Specialty Hollow Metal

# STAINLESS STEEL DOORS AND FRAMES



- 16 gauge #304 or #316 stainless steel with #3 or #4 finish
- Sidelights and borrowed lights available
- Door widths up to 3'7"; heights up to 10'0"; Larger frame sizes available
- Door cores are 1.0 lb/ft<sup>3</sup> density polystyrene on non rated doors; fire rated doors have honeycomb core
- All doors beveled edge with visible hemmed seam

# LEAD LINED DOORS AND FRAMES



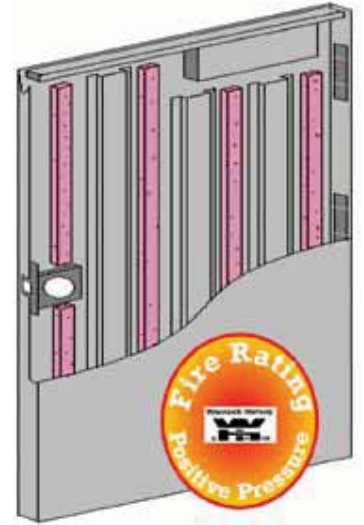
- 16 or 14 gauge material
- Various thicknesses of lead as required
- Sidelights and borrowed lights available
- Available in door widths up to 4'0"; heights up to 10'0"; Larger frame sizes available



# Hollow Metal Doors

## STEEL STIFFENED DOORS

- 16 gauge A60 galvaneal skins (14 and 12 gauge available)
- 22 gauge vertical steel stiffeners
- 7 gauge hinge reinforcements
- Closer reinforcements included on all doors
- Flush 16 gauge metal top cap included on all doors



## POLYSTYRENE DOORS

- 16 gauge skins (A60 galvaneal and 14 gauge available)
- 7 gauge hinge reinforcements
- 1.0 lb/ft<sup>3</sup> density polystyrene core
- Closer reinforcements included on all doors
- Flush 16 gauge metal top cap included on all doors

## TEMPERATURE RISE DOORS

- Temperature rise ratings: 250° and 450° @ 30 minutes
- Evaluated to UBC 7-2 (1997), UL 10C (1998) and NFPA 252
- Sizes: Single: up to 4'0" x 8'0"  
Standard pairs: up to 8'0" x 8'0",  
Double egress pairs: up to 8'0" x 8'0", fire exit hardware
- 1 3/4" thick 16 gauge doors
- Vision lites of 100 square inches are approved to 1 1/2 hour





## Fire Rated Hollow Metal Doors

Door Type	Core/Material	Maximum Width	Maximum Height	Minimum Thickness
Single Swing	Steel Stiffened/ CRS & A60	48"	120"	1.6875"
Standard Pairs	Steel Stiffened/ CRS & A60	96"	120"	1.6875"
Double Egress	Steel Stiffened/ CRS & A60	96"	120"	1.6875"
Single Swing	Polystyrene/ CRS & A60	36"	84"	1.6875"
Single Swing, Standard Pair, Double Egress	Temperature Rise/ Pyrophobic	48"	96"	1.75"
Standard Pairs	Steel Stiffened or Honeycomb/ Stainless Steel	84"	86"	1.6875"
Single Swing	Steel Stiffened or Honeycomb/ Stainless Steel	48"	96"	1.6875"
Oversized Doors Single Swing	Steel Stiffened/ CRS & A60	60"	144"	1.75"
Oversized Doors Standard Pairs	Steel Stiffened/ CRS & A60	120"	144"	1.75"



## Fire Rated Hollow Metal Frames

Frame Type	Rating	Maximum throat	Maximum Opening Width	Maximum Opening Height	Maximum Overall Width	Maximum Overall Height
3 sided frame	3 hour	13"	96"	120"	n/a	n/a
Double Egress	3 hour	12"	96"	96"	n/a	n/a
Multiple openings	90 minute	12.5"	96"	94"	152"	96"
Knockdown with compression anchors	90 minute	3.5"- 8.5"	84"	108"	n/a	n/a
Knockdown with compression anchors	90 minute	3.5"- 8.5"	96"	96"	n/a	n/a
Frame with transom and/or side panel	90 minute	12.5"	96"	96"	144"	136"
Single swing frame with glazed transom	45 minute	12.5"	48"	120"	56"	154"
Frame with glazed transom and/or side lights	45 minute	12.5"	96"	120"	162" 154"	144" 136"
Frame with glazed transom and/or side lights	20 minute-no hose stream	12.5"	96"	120"	158"	139"
Borrowed light	45 minute	12.5"	n/a	n/a	144"	136"
Borrowed light	20 minute-no hose stream	12.5"	n/a	n/a	158"	115"
Angled/Segmented Borrowed light	45 minute	12.5"	162"	144"	n/a	n/a



**Concept Frames Incorporated**  
**P.O. Box 248 • Newton, NC 28658**

**Toll Free: 888.234.9455**  
**Fax: 800.631.9089**  
**Telephone: 828.465.2015**  
**[www.conceptframes.com](http://www.conceptframes.com)**