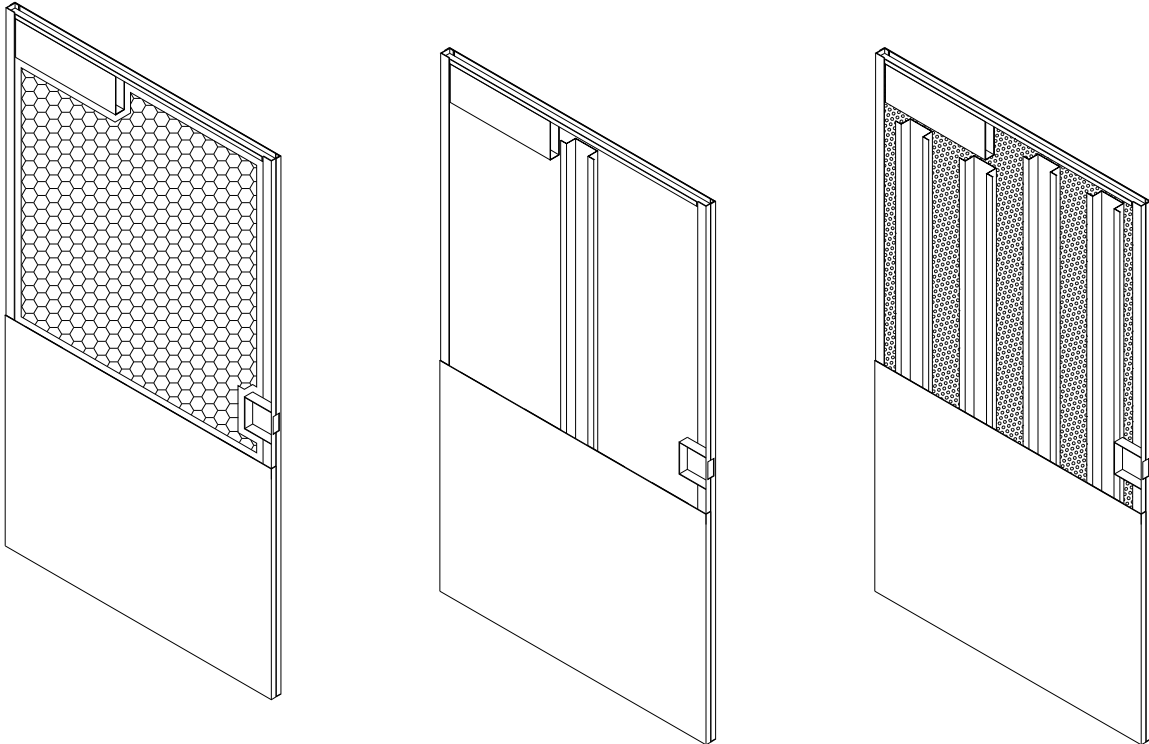




# HOLLOW METAL DOORS



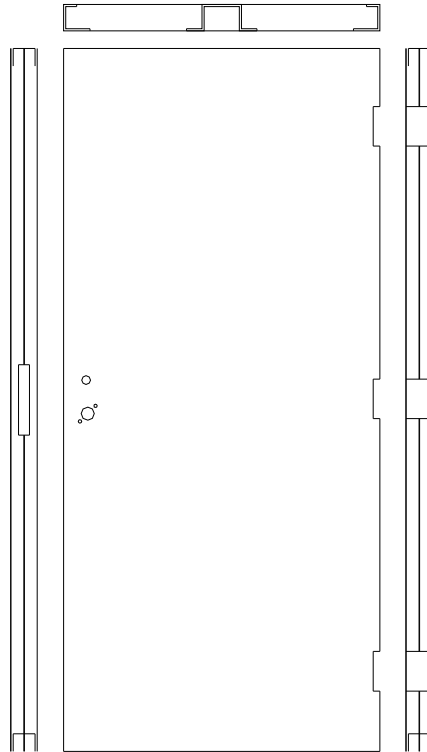
MegaMet Industries, manufactures high quality Steel Doors with your standard specifications or your custom hardware locations and preps. MegaMet produces “Flush Doors” covering most sizes, and shapes including radius work, custom patterns, “UL” fire ratings, multiple core types, Stainless Steel, Lead Lined, Bullet and Pressure resistant, including Wind Storm Assemblies. **All door types are made with our unique 14 Gauge continuous channel, for a stronger, longer lasting commercial door.**





## DOOR TYPES

### POLYSTYRENE CORE



#### Insulating Polystyrene Core

Your choice of door skin gauges and your choice of steel types:

18ga, 16ga, 14ga, 12ga or 10ga with CRS, A60, G90, or Stainless Steel # 304 or # 316

1-3/8", 1-3/4" or Custom Thickness, UL's Fire Rated Labels

Min. Sound Transmission (STC) ~ 30

Min. Thermal "R" Factor ~ 5.5

Min. "U" Factor ~ 0.2

Square or Beveled Edge choices:

Hair Line Seam, Continuously Welded or Filled Smooth Seamless Edges

Solid Core, Single Rib, or Multiple Ribbed, Core Constructions

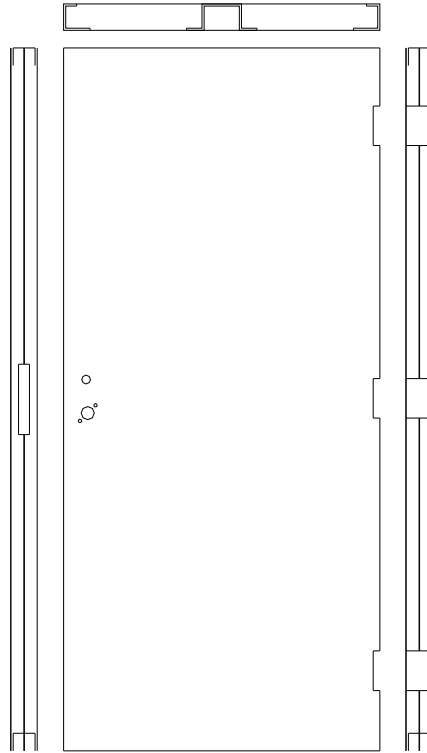


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## POLYURETHANE CORE



### Insulating Urethane Core

Your choice of door skin gauges and your choice of steel types:

18ga, 16ga, 14ga, 12ga or 10ga with CRS, A60, G90, or Stainless Steel # 304 or # 316

1-3/8", 1-3/4" or Custom Thickness, UL's Fire Rated Labels

Min. Sound Transmission (STC) ~ 29

Min. Thermal "R" Factor ~ 13

Min. "U" Factor ~ 0.075

Square or Beveled Edge choices:

Hair Line Seam, Continuously Welded or Filled Smooth Seamless Edges

Solid Core, Single Rib, or Multiple Ribbed, Core Constructions

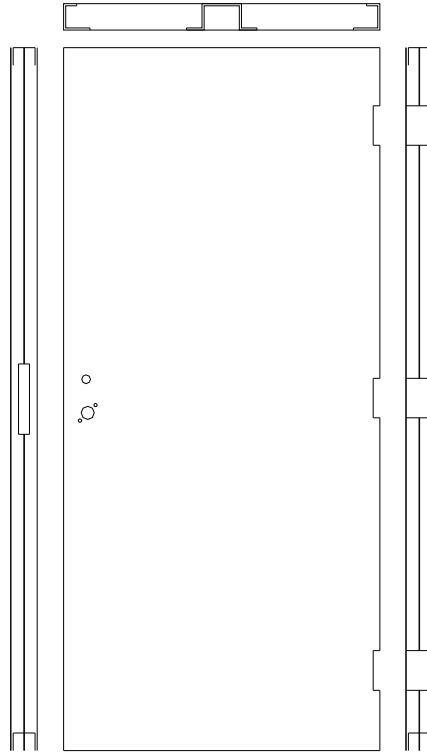


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## HONEY-COMB CORE



### Honey-Comb Core

Your choice of door skin gauges and your choice of steel types:

18ga, 16ga, 14ga, 12ga or 10ga with CRS, A60, G90, or Stainless Steel # 304 or # 316

1-3/8", 1-3/4" or Custom Thickness, UL's Fire Rated Labels

Min. Sound Transmission (STC) ~ 31

Min. Thermal "R" Factor ~ 2.0

Min. "U" Factor ~ 0.41

Square or Beveled Edges choices:

Hair Line Seam, Continuously Welded or Filled Smooth Seamless Edges

Solid Core, Single Rib, or Multiple Ribbed, Core Constructions

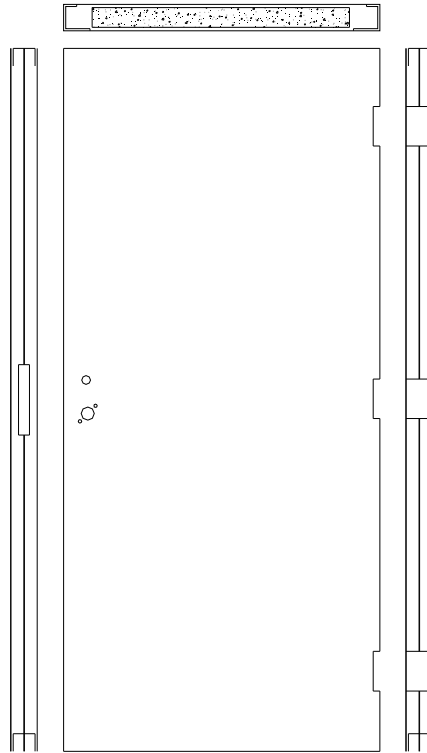


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## TEMPERATURE RISE CORE



### Mineral Core

Your choice of door skin gauges and your choice of steel types:

18ga, 16ga, 14ga, 12ga or 10ga with CRS, A60, G90, or Stainless Steel # 304 or # 316

1-3/8", 1-3/4" or Custom Thickness, UL's Fire Rated Labels

Temperature Rise Rating Labeled

Min. Sound Transmission (STC) ~ 32

Min. Thermal "R" Factor ~ 4.0

Min. "U" Factor ~ 0.28

Square or Beveled Edge choices:

Hair Line Seam, Continuously Welded or Filled Smooth Seamless Edges

Solid Core only for rated openings, Single Rib, or Multiple Ribbed, Core Constructions

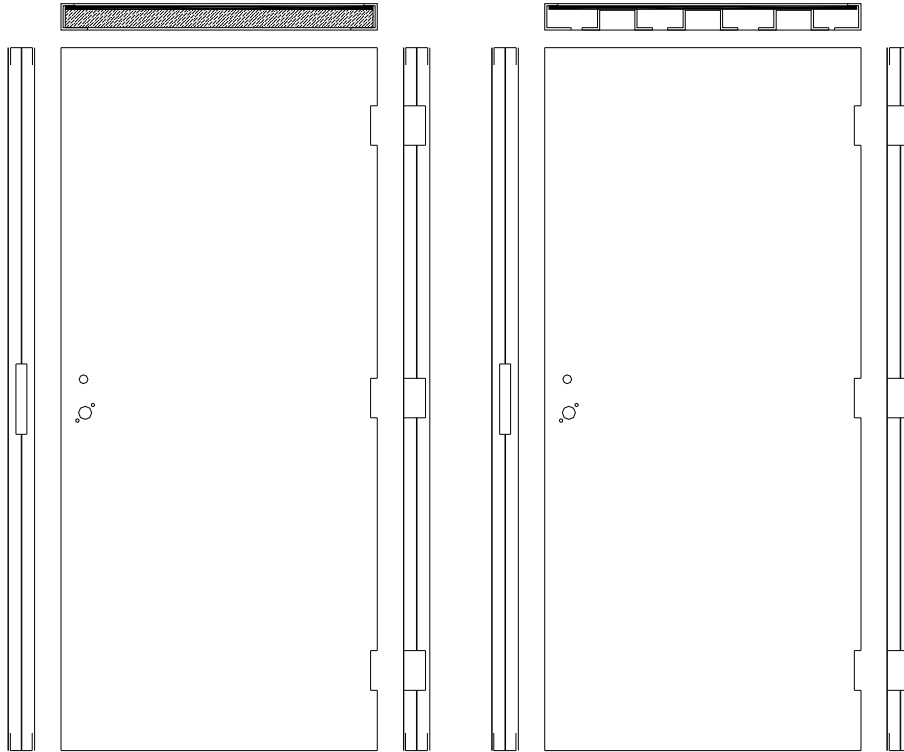


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## LEAD LINED DOORS



1/16" or 1/8" Lead Lined or thicker with your choice of core types  
Your choice of door skin gauges and your choice of steel types:  
18ga, 16ga, 14ga, 12ga or 10ga with CRS, A60, G90, or Stainless Steel # 304 or # 316

1-3/8", 1-3/4" or Custom Thickness, UL's Fire Rated Labels  
Min. Sound Transmission (STC) ~ --- (Polystyrene)  
Min. Thermal "R" Factor ~ --- (Polystyrene)  
Min. "U" Factor ~ ---

Square or Beveled Edge choices:  
Hair Line Seam, Continuously Welded or Filled Smooth Seamless Edges

Solid Core, Single Rib, or Multiple Ribbed, Core Constructions

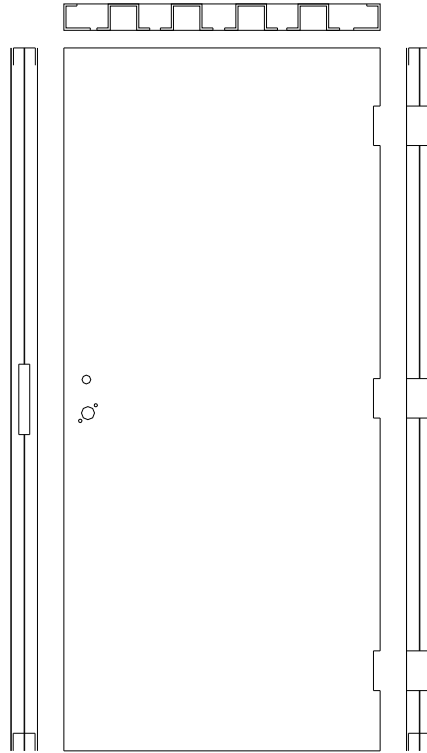


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## BULLET RESISTANT LEVEL III



16ga or 14ga Stiffeners  
14ga, 12ga & 10ga CRS, A60 or G90 Galv. Construction  
14ga Inner Shield or Custom Inner Layer

1-3/8", 1-3/4" or Custom Thickness  
UL's Fire Rated File# BP8003  
Meets UL 752 requirements  
.44 Magnum Revolvers

Square or Beveled Edge choices:  
Hair Line Seam, Continuously Welded or Filled Smooth Seamless Edges

To Use with our 12ga Frames  
Must use Certified Bullet Resistant Glass for Lights

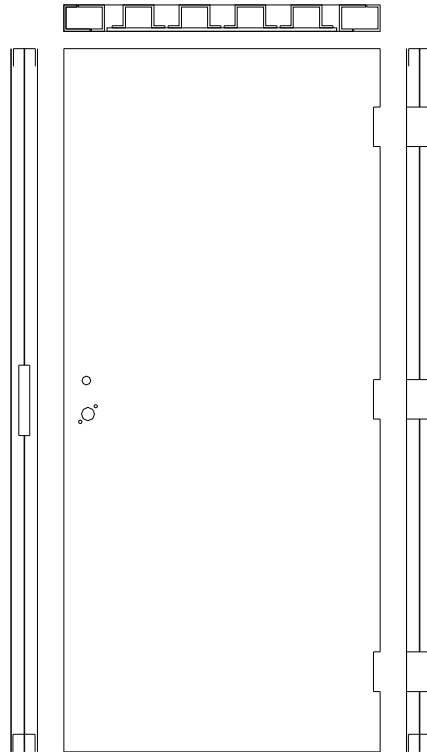


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## PRESSURE RATED / HURRICANE WIND LOADS



1. Door Assemblies are designed to resist exterior blast pressures, minimum, SDI A250.8, physical performance Level A, Model 2, with welded edges.
2. Door Assemblies have successfully passed 1.0 "PSI" of Static Pressure Loading in accordance with ASTM E-330. This pressure was surpassed in both seating and unseating configurations, these seating pressures, have also passed the "Out-swing" requirements of, UFC 4-010-01. Large Missile Impact level "D" was met as well.
3. We are certified under positive pressure testing UBC 7-2 and ISO 3008, as well as, IBC 2003, NFPA 80, HMMA 861 and we meet or exceed SDI 100 manufacturing requirements such as Cycle and Twist protocols.
4. The following table shows the constructions specifications and the criteria disciplines' for our Hollow Metal Doors and Frames tested for Hurricane Wind Loads which carry the "Approved Status" on the Florida Building Commissions' web site, <http://www.floridabuilding.org>. Door Assemblies described are posted in FL-9067.1.

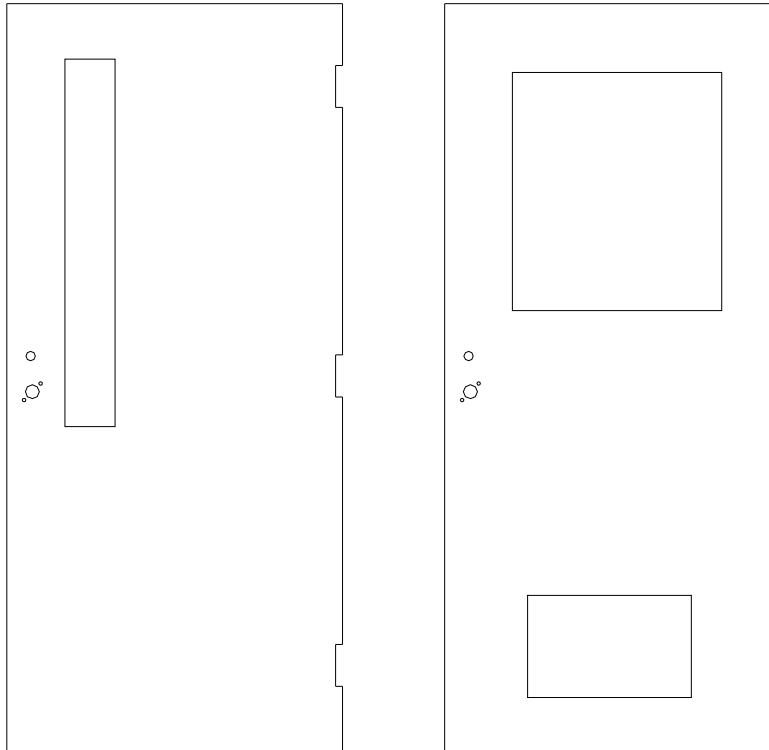
Accepted Engineering Practice 2007, ASTM E1300- 2002, ASTM E1886- 2002, ASTM E1996- 2002, ASTM E330- 2002, TAS 201, 202, & 203-1994, ASTM A250 2002  
Verified By: Wendell W. Haney, P.E. 54158







## LOUVERS & LITES



Your choice of a Low Profile screw mounted Light Kit or our Custom Concealed Molding Flush type Light Kit, or Cut Out only, for Lights and/or Louvers  
Your choice of core types: Polystyrene, Urethane, Honeycomb or Temperature Rise  
Your choice of door skin gauges and your choice of steel types:  
18ga, 16ga, 14ga, 12ga or 10ga with CRS, A60, G90, or Stainless Steel # 304 or # 316

1-3/8", 1-3/4" or Custom Thickness

UL's Fire Rated Labeled

Square or Beveled Edges choices:  
Hair Line Seam, Continuously Welded or Filled Smooth Seamless Edge

Solid Core, Single Rib, or Multiple Ribbed, Core Constructions

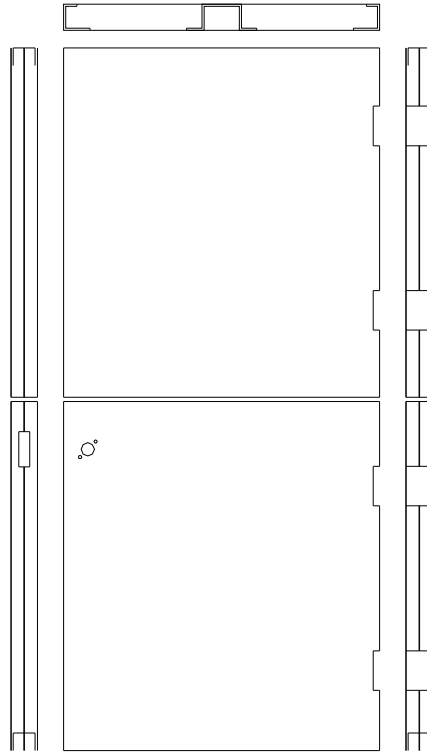


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## DUTCH DOOR



Polystyrene, Urethane, Honeycomb or Temperature Rise Core choices  
Your choice of door skin gauges and your choice of steel types:  
18ga, 16ga, 14ga, 12ga or 10ga with CRS, A60, G90, or Stainless Steel # 304 or # 316

1-3/8", 1-3/4" or Custom Thickness

UL's Fire Rated Labeled

Square or Beveled Edge

Hair Line Seam, Continuously Welded or Filled Smooth Seamless Edge

Solid Core, Single Rib, or Multiple Ribbed, Core Constructions

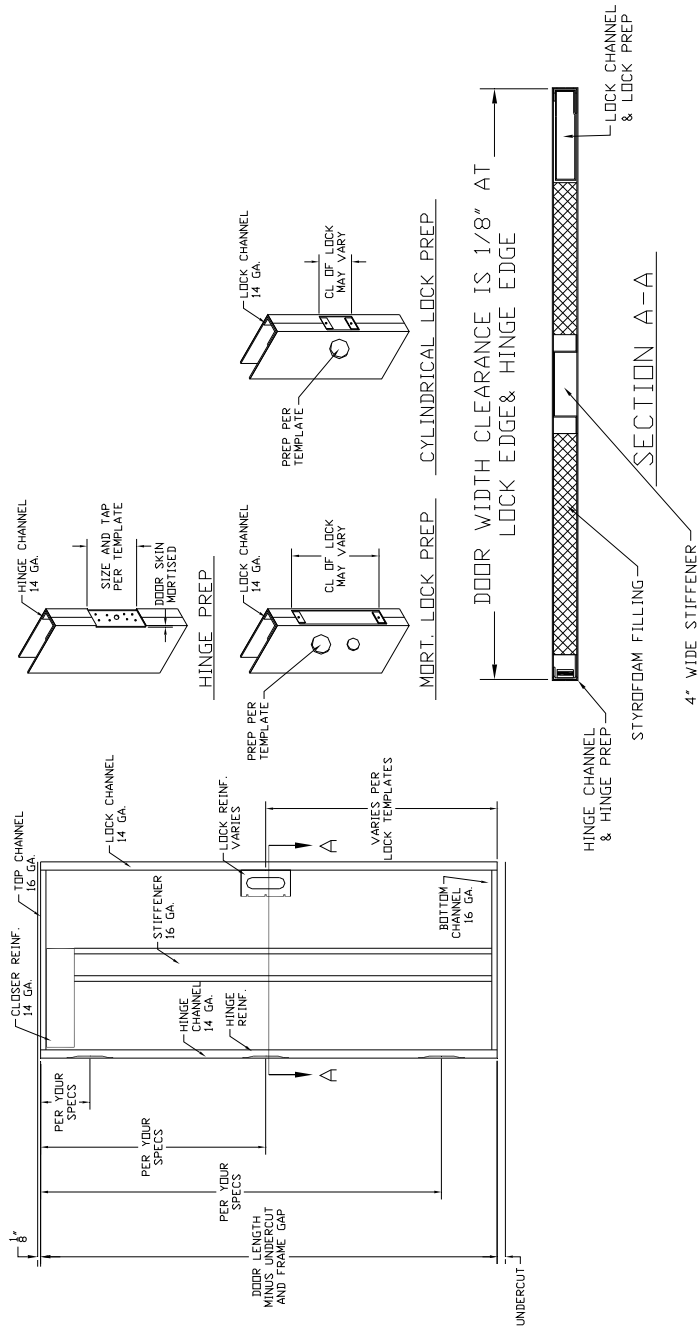


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# DOOR ASSEMBLY DETAILS



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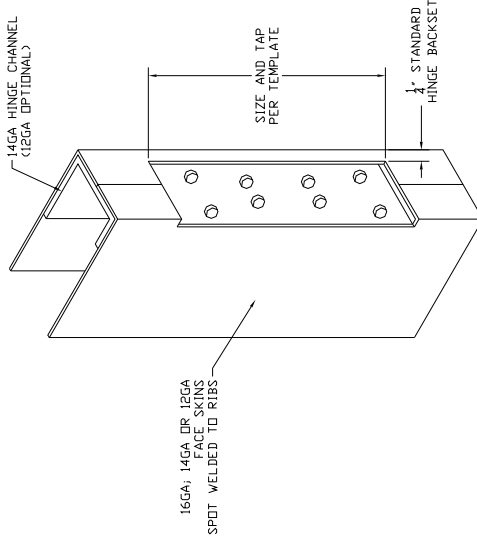
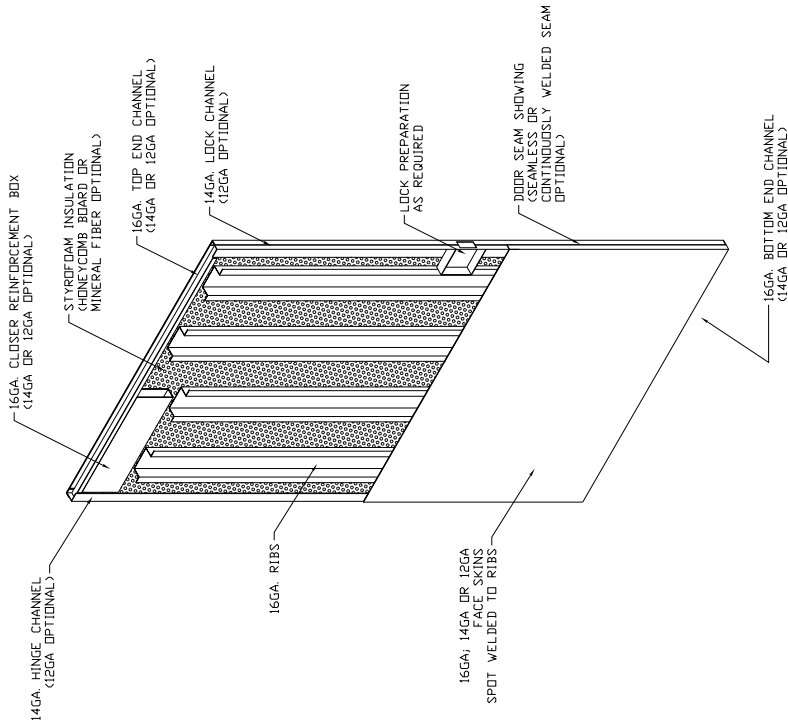
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# STEEL RIBBED DOOR

## RIBBED DOOR

- NOTES:**
- 1.- "D" STYLE RIBBED DOOR
  - 2.- SQUARE EDGE DOORS (BEVEL OPT).
  - 3.- QUANTITY OF BUTTS PER HDWR. SCHED.
  - 4.- HARDWARE LOCATION PER CUSTOMER.
  - 5.- 3/4" UNDERCUT UNLESS SPECIFIED.

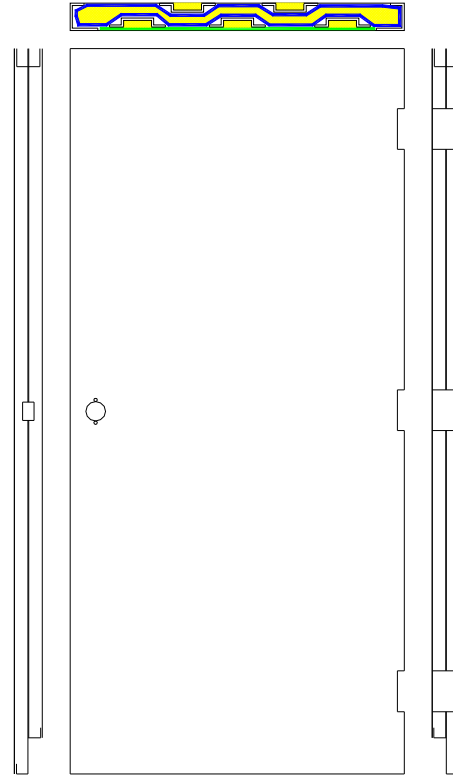


## HINGE REINFORCEMENT





## Mega-Sonic



1. Sound Control Door Assemblies are designed to limit the transmission of sound or objectionable noise, from outside of the room. The two methods of rating are Sound Transmission Class (STC) or Sound Transmission Loss (STL).
2. MegaMet's proprietary assemblies were tested as "Operable" units in accordance with ASTM E-90 and achieved an STC-50, using the rating system established in ASTM E-413. **An extensive variety of door, frame, and gasket combinations were tested in order to maximize choices of performance levels.** The sealed tests were conducted solely to determine the door's performance when not supplied as an assembly.
3. MegaMet's Sound Control Assembly consists of the door, frame, door bottom, threshold, gaskets, and hinges. Locks and closers are by the client. Hardware recommendations are contained in SDI-128 and HMMA 865, "Guide Specifications for Sound Control Hollow Metal Doors and Frames".





4. Our mid-range STC units proudly exceed the 30 to 40 ratings from ANSI S12.60-2002 required by "LEED 2009 For Schools" (IEQ Credit 9) and greatly exceed the minimum recycled content (by weight) of all other LEED 2009 publications.

