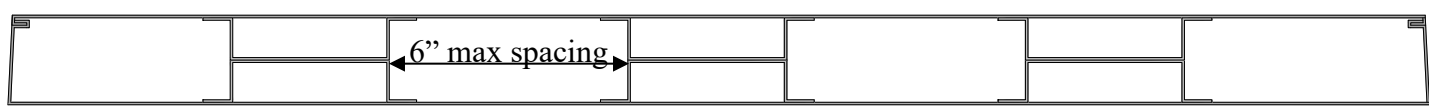


<b>Gauge</b>	16 A60, 14 A60
<b>Hinge Reinforcements</b>	7 gauge
<b>Closer Reinforcement</b>	Standard
<b>Flush metal top cap</b>	Standard or seamless
<b>Thickness</b>	1 3/4" standard; Custom thickness available
<b>Edge Seam</b>	Visible (standard) or seamless
<b>Steel Stiffeners</b>	22 gauge; 4" wide; welded at each end and to faces of door
<b>Details</b>	Space between steel stiffeners filled with fiberglass insulation for sound deadening

<b>Fire Rating</b>				
<b>Door Type</b>	<b>Max Width</b>	<b>Max height</b>	<b>Minimum Thickness</b>	<b>Max Rating</b>
Single Swing	4'-0" (48")	10'-0" (120")	1 11/16"	180 min.
Standard Pair	8'-0" (96")	10'-0" (120")	1 11/16"	180 min.
Double Egress	8'-0" (96")	10'-0" (120")	1 11/16"	180 min.
Oversized Single & Pair	5'-0" (60") leaves	12'-0" (144")	1 3/4" to 2" only	90 min.

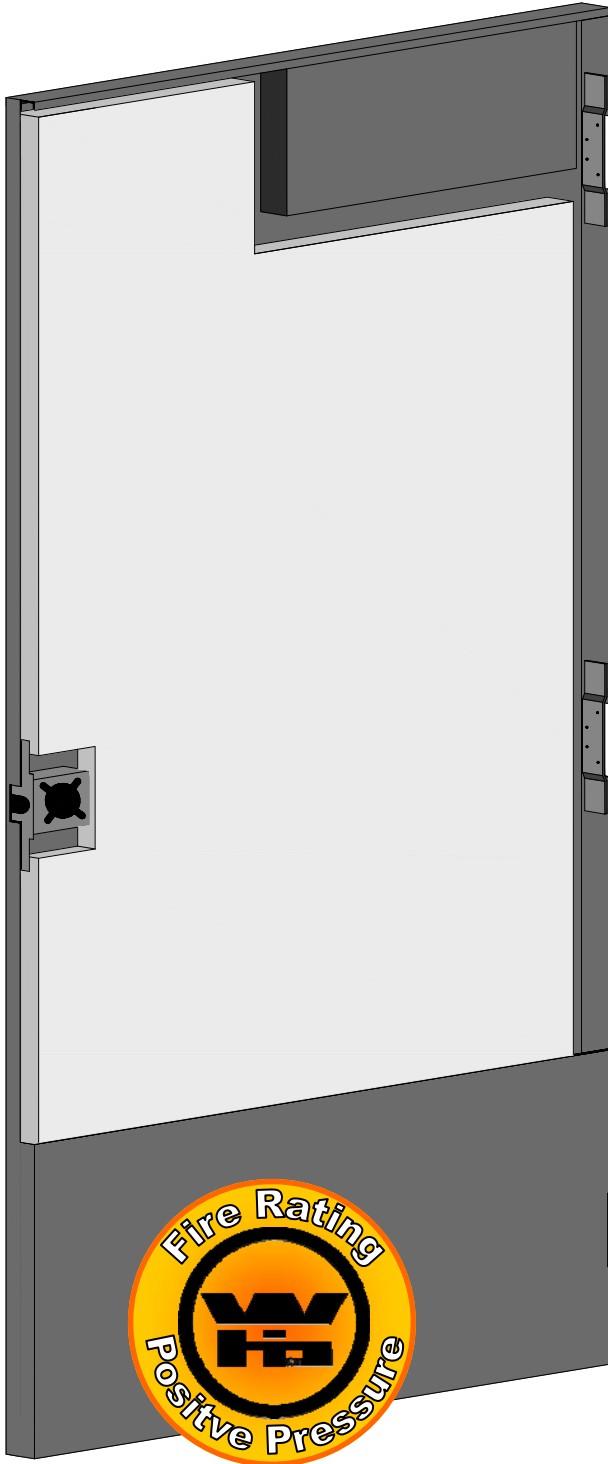
*\* Astragals are required on all pairs*



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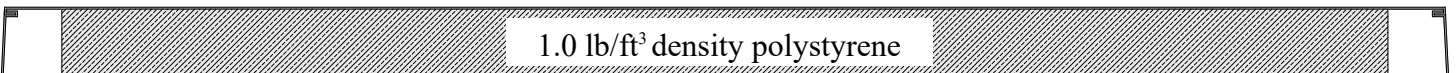
Date: 1-3-2012

## Steel Stiffened Doors



<b>Gauge</b>	18 A60, 16 A60, 14 A60
<b>Hinge Reinforcements</b>	7 gauge
<b>Closer Reinforcement</b>	Standard
<b>Flush metal top cap</b>	Standard or seamless
<b>Thickness</b>	1 3/8", 1 3/4", 2"
<b>Width</b>	3'-6" (42") max
<b>Height</b>	8'-0" (96") max
<b>Edge Seam</b>	Visible (standard) or seamless
<b>Core</b>	1.0 lb/ft <sup>3</sup> density polystyrene core; resistant to moisture, rot, and mildew
<b>Details</b>	Core permanently bonded to door skins by high strength pressure sensitive adhesive

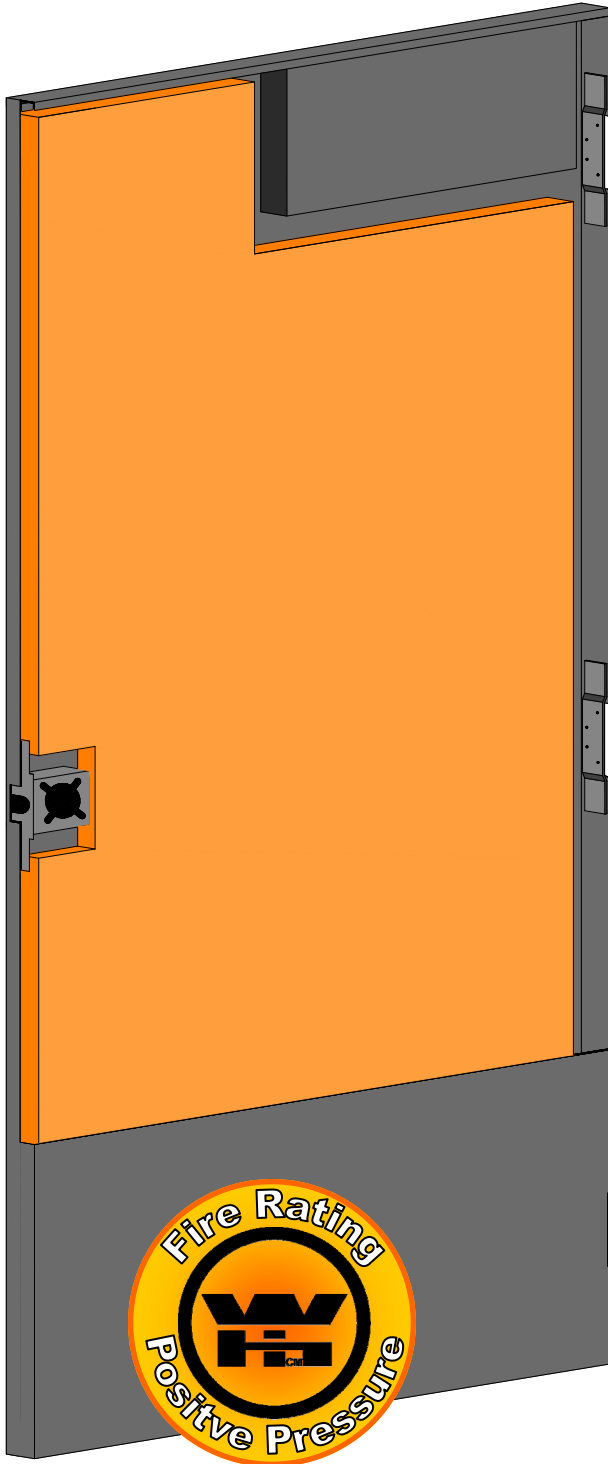
<b>Fire Rating</b>	
<b>Max Rating</b>	90 minute
<b>Max Width</b>	3'-0" (36")
<b>Max Height</b>	7'-0" (84")
<b>Minimum Door Thickness</b>	1 3/4"
<b>Fire Rating Door Type</b>	Single opening only



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Date: 4-30-2014

**Polystyrene Doors**



<b>Gauge</b>	16 A60 only
<b>Hinge Reinforcements</b>	7 gauge
<b>Closer Reinforcement</b>	Standard
<b>Flush metal top cap</b>	Standard or seamless
<b>Thickness</b>	1 3/4" only
<b>Width</b>	4'-0" (48") max per leaves
<b>Height</b>	8'-0" (96") max
<b>Edge Seam</b>	Visible (standard) or seamless
<b>Core</b>	Pyrophobic proprietary core design only
<b>Details</b>	Core permanently bonded to door skins by high strength pressure sensitive adhesive

<b>Fire Rating</b>				
<b>Door Type</b>	<b>Max Width</b>	<b>Max Height</b>	<b>Thickness</b>	<b>Max Rating</b>
Single Swing	4'-0" (48")	8'-0" (96")	1 3/4"	180 min.
Standard Pair*	8'-0" (96")	8'-0" (96")	1 3/4"	180 min.
Double Egress**	8'-0" (96")	8'-0" (96")	1 3/4"	90 min.

\* Astragals are required on all pairs  
 \*\* Astragal and fire exit hardware required on all double egress pairs

**Evaluated to UBC 7-2 (1997),  
 UL 10C (1998) and NFPA 252**

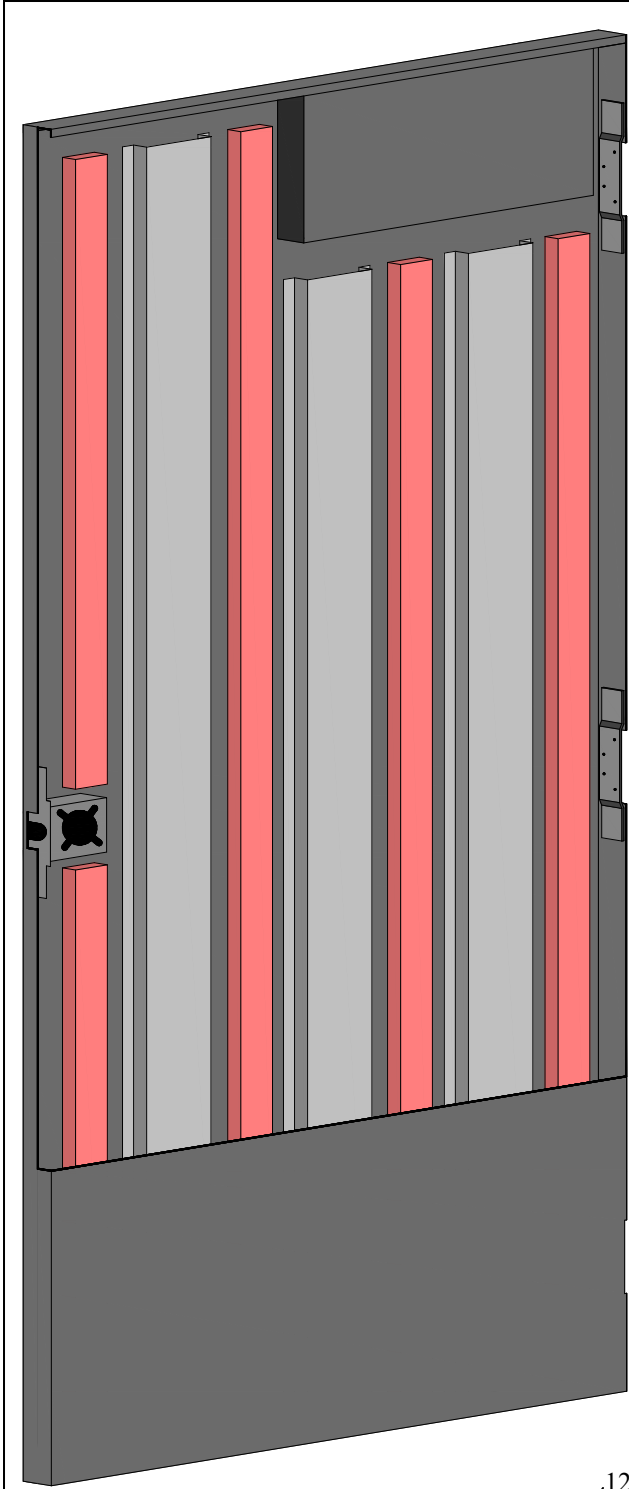
**Vision lites of 100 square inches are  
 approved up to 90 minutes**



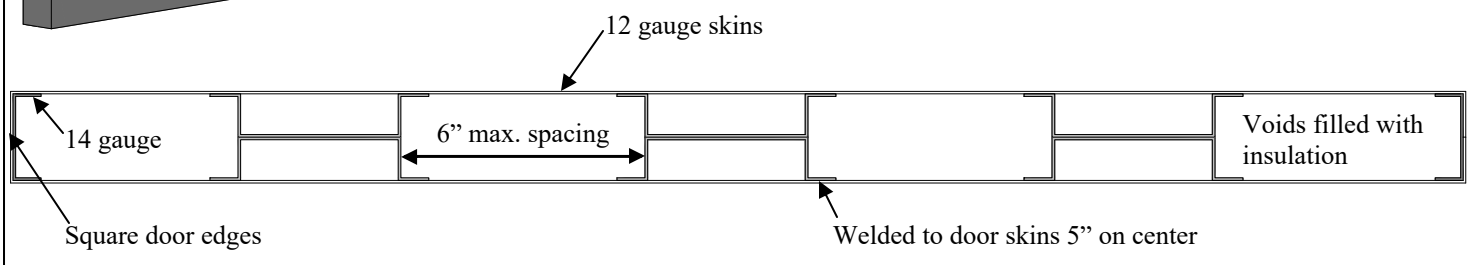
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Date: 1-3-2012

Temperature Rise Doors



<b>Gauge</b>	12 A60 Galvanealed Skins
<b>Hinge Reinforcements</b>	7 gauge
<b>Closer Reinforcement</b>	Standard
<b>Flush metal top cap</b>	Standard or seamless
<b>Thickness</b>	1 3/4" standard; Custom thickness available
<b>Edge Seam</b>	Visible (standard) or seamless
<b>Steel Stiffeners</b>	22 gauge; 4" wide; welded at each end and to faces of door
<b>Details</b>	Space between steel stiffeners filled with fiberglass insulation for sound deadening



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Date: 1-27-2015 By: KX

**12 Gauge Doors**

16 gauge #304 or #316  
stainless steel doors with  
#3/4 Finish

Door widths up to 3'-7";  
heights up to 10'-0"

1.0 lb/ft<sup>3</sup> density  
polystyrene core  
permanently bonded to door  
skins on non fire rated doors

Fire rated doors available  
with polystyrene core

Beveled edge with visible  
hemmed seam

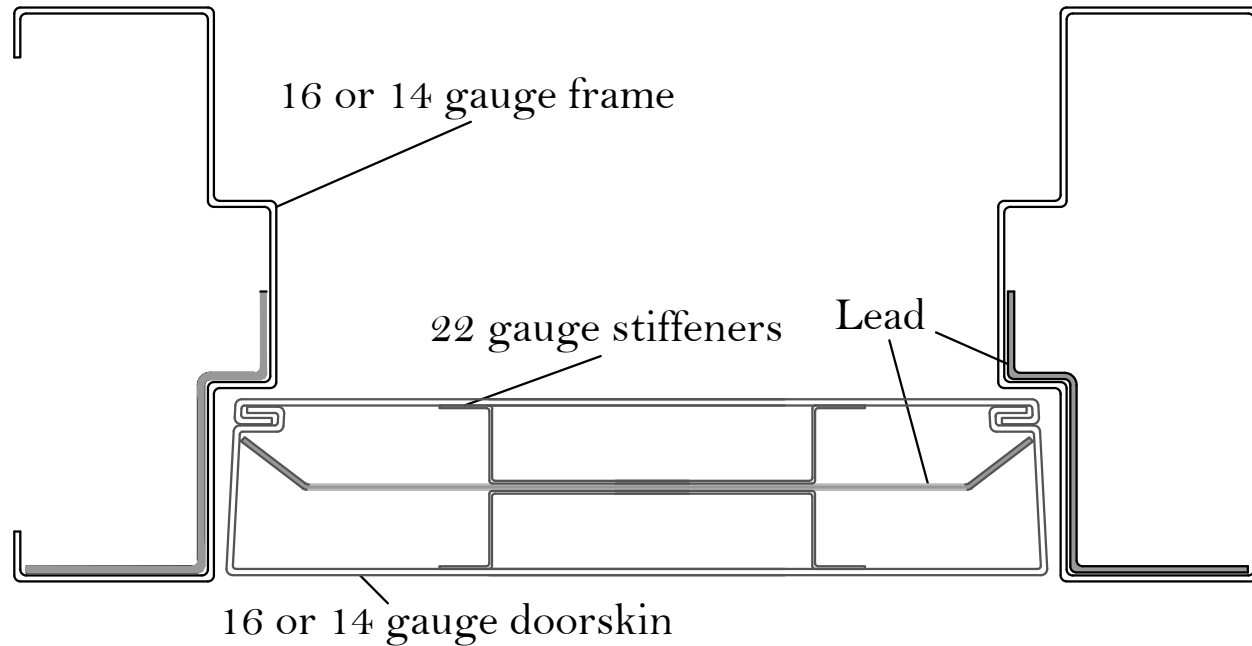
Our stainless steel doors are  
fabricated to your  
specifications, providing  
flexibility for design



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Date: 1-27-2015

Stainless Steel Doors



**Concept Frames lead lined doors and frames:**

- Are fabricated from 16 or 14 gauge
- All doors are steel stiffened ; lead sheet is centered in the door
- Can be fitted with various lead thicknesses
- Are available in door widths up to 4'-0"; heights up to 10'-0";  
Larger frame sizes available.

Our custom doors and frames are fabricated to your specifications, providing flexibility for design requirements. We manufacture lead lined doors and frames to meet your construction demands.

## Concept Frames

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Drawn By: KX

Date: 1-27-2015

Lead Lined Doors and Frames