H16 and H14 Series flush doors

About the product

The H16 and H14 Series doors have been specifically designed and tested to meet the performance-based provisions of the Florida Building Code (FBC) while providing architects, designers and building owners with the broadest choices for their specific applications.

Specifiable options include glass lights, transom and sidelights, louvers, exit hardware, cylindrical or mortise single point locks, as well as a variety of door core and edge construction options.

All H Series doors have been tested to protocols TAS 201, 202 and 203, indicating their ability to withstand the missile impact, structural load and cyclic wind pressure tests prescribed by the Codes.

Approvals, design pressure ratings and hardware configurations

Design Pressure Ratings are based on ongoing testing for door, frame and hardware configurations. Applications are limited to the configurations tested.

For up to date online Approvals and instructions to access, go to http://us.allegion.com/en/home/products/categories/doors-and-frames/steelcraft-h.html. Go to Approvals.

The *Authority Having Jurisdiction* is the final authority in issues related to the installation and use of any building products.

Features and benefits

Steelcraft's H Series doors offer the following standard unique features, which enhance long term performance and durability:

1. **A-60 Galvannealed steel** face sheets
2. **Core Systems** that enhance structural integrity:
   - **Honeycomb** (Standard): 1" (25 mm) cell kraft honeycomb configuration that increases structural integrity while reducing overall weight
   - **Polystyrene** (optional): enhanced thermal performance
   - **Polyurethane** (optional): extreme thermal performance
   - **Mineral Board** (optional): rigid, temperature rise control
   - **Steel Stiffened** (optional): welded hat section stiffeners
3. **Full Height, Epoxy Filled Mechanical Interlock Edges** provide structural support and stability the full height of the door edges. Available edge options:
   - **Visible Edge Seam (standard)**: full height, epoxy filled mechanical Interlocked edges
   - **Filled Edge Seam (optional add to standard):** seam filled with structural adhesive and dressed smooth. Includes tack welds above and below edge cutouts for hinges, locks, etc.
   - **Welded Edge Seam (optional add to standard):** intermittently welded using 1" long welds, then seam filled with structural adhesive and dressed smooth. Option available on L18, L16 and L14 doors.
4. **Full Height Lock Side Reinforcement Channel** ensures structural stability and locking hardware functionality under extreme pressure conditions.
5. **Universal Hinge Preparations** (patented) allow for easy field conversion from standard weight .134" (3.3 mm) hinges to heavy weight .180" (4.7 mm) hinges.
6. **14 Gauge [0.067" (1.7 mm)]** Top and Bottom Channels provide stability and protection for the top and bottom edges from abuse.
7. **⅜" undercut** is standard on all H Series doors, to accommodate hurricane code requirements.
8. **Beveled Hinge and Lock Edges** allow for tighter installation tolerances, ensure easier operation and eliminate binding and sticking.
9. **Recessed Dezigner™ Glass Trim** provides a clean, neat and flush finish with the door surface.
10. **Screwed-in top caps** provide additional weather protection to exclude water and debris from exterior outswing doors.
11. **Factory Applied Baked-On Rust Inhibiting Primer** paint in accordance with ANSI A250.10-2011.

Specification compliance

1. Door construction for Steelcraft H Series full flush doors meets the requirements of ANSI A250.8-2017 (SDI 100).
2. Hardware preparations and reinforcements are in accordance with ANSI A250.6-2003 (R2009). Locations are in accordance with ANSI/DHI A115.
3. Florida Building Code test protocols TAS 201, TAS 202 & TAS 203.

Florida building code label

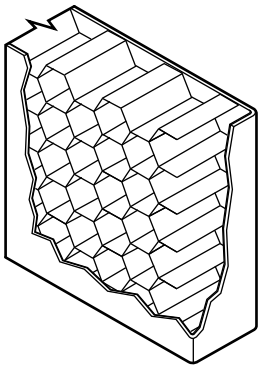
A Florida Building Code Label is applied to all H Series doors. An optional Miami-Dade County label is also available.

Fire ratings

Steelcraft H Series doors meet fire rating requirements. They are listed for installations requiring compliance to both neutral pressure testing UL-10B and positive pressure standard UL-10C.

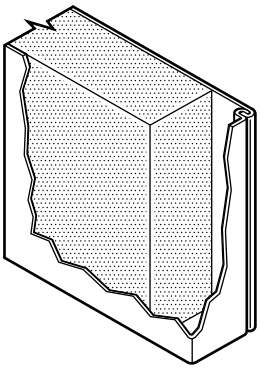
Cores

Rigid Honeycomb Core



Standard H Series Core

- 1" (25 mm) cell, 99 pound Kraft honeycomb
- Honeycomb surfaces sanded for maximum adhesion
- Impregnated with phenolic resin (resists mildew and vermin)
- Laminated to both face sheets with contact adhesive
- Assembled door is run through high pressure pinch rollers, achieving ultimate bond



Optional Polystyrene Core

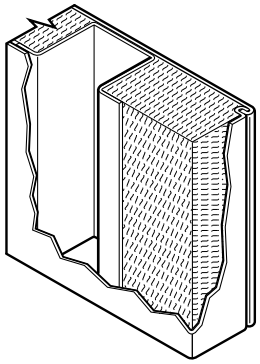
- 1 pound (453.6g) per ft^3 density slab
- Laminated to both face sheets with contact adhesive
- Labeled applications

Optional Polyurethane Core

- 1.8 pound (816.5g) per ft^3 density slab
- Laminated to both face sheets with contact adhesive
- Non-Labeled applications

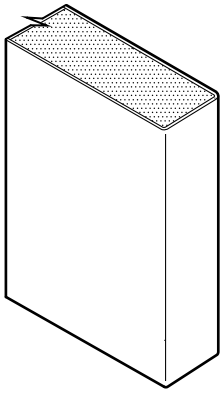
Optional Mineral Fiber Board Core

- TH Series 250ºF (121ºC) or 450ºF (232ºC) Temperature Rise Hurricane door



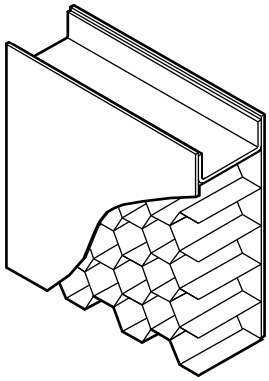
Optional Steel Stiffened Core

- Stiffeners welded to inside of face sheets
  - Located 6" (152.4 mm) on center
  - Weld spacing 6" (152 mm) maximum along the full height of each stiffener
- Areas between stiffeners filled with 1 pound (453.6g) per ft3 density fiberglass batt



STANDARD Edge Construction

- Beveled hinge & lock edges
- Full height mechanical interlock with epoxy adhesive
- Visible edge seam standard
- Seamless edge optional



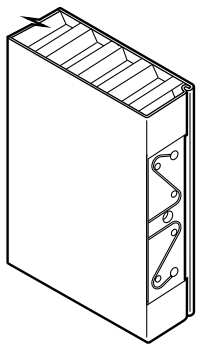
STANDARD Rigid 14 gauge End Channel Construction

- 14 gauge inverted galvannealed top & bottom channels
- Projection welded to both face sheets
- For optional caps, see "Weather seals" on page 81

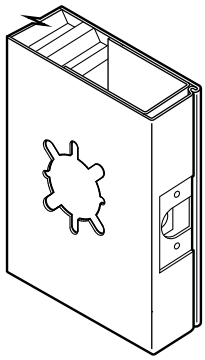
Door Application and Usage

Series	Steel Thickness	Opening	Usage Frequency	
H16	16 Ga (1.3 mm)	Exterior: Galvannealed Steel	Extra Heavy Duty	Extra Heavy Commercial & Institutional applications with potential of very high use
H14	14 Ga (1.7 mm)	Exterior: Galvannealed Steel	Maximum Duty	Extra Heavy Commercial & Institutional applications with extremely high use

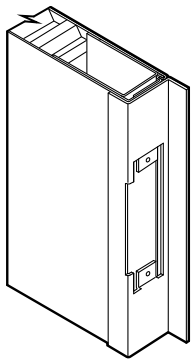
Standard hardware preparations



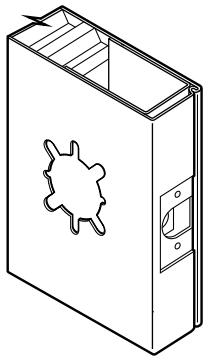
Universal mortise hinge prep



6IL lock preparation



Inactive leaf: ASA strike preparation



Optional 14 gauge closer reinforcement

Standard: mortised and reinforced for

- Patented Universal hinge preparations allow for easy field conversion from standard 4 ½" (114 mm) x .134" (3.3 mm) standard weight hinges to 4 ½" (114 mm) x .180" (4.7 mm) heavy weight hinges. Optional hinge preparation for 5" (127 mm) x .146" (3.7 mm) standard weight hinges or for 5" (127 mm) x .190" (4.8 mm) heavy weight hinges is also available.
- The cylindrical 161, 61L and mortise 86 lock preps are the most commonly used active leaf preparations. The 4 ⅞" (124 mm) strike prep is the most commonly used inactive leaf preparation.
- Optional reinforcements for surface closers are available.

Product Selection

Door Sizes and ANSI A250.8 Conversions

Steelcraft product selection for H Series doors has been matched to SDI designations for Level and Model. Recommended minimum frame gauge also applies to the frequency of operation of the opening.

Series	ANSI A250.8 - SDI 100			Edge Construction	Maximum Sizes		Recommended Gauge of Frame
	Level	Model	Description		Single	Pair	
Level 3 - Extra Heavy Duty Commercial & Institutional							
H16	3	1	Full Flush	Visible	4' 0" x 8' 0" 1219 mm x 2438 mm	8' 0" x 8' 0" 2438 mm x 2438 mm	14 Gauge [0.067" (1.7 mm)] 16 Gauge [0.053" (1.3 mm)]
HF16		2	Seamless	Filled			
HW16				Welded			
Level 4 - Maximum Duty Commercial & Institutional							
H14	4	1	Full Flush	Visible	4' 0" x 8' 0" 1219 mm x 2438 mm	8' 0" x 8' 0" 2438 mm x 2438 mm	12 Gauge [0.093" (2.3 mm)] 14 Gauge [0.067" (1.7 mm)]
HF14		2	Seamless	Filled			
HW14				Welded			

Code Compliance

- Florida Building Code test protocols TAS 201, TAS 202 & TAS 203.
  - A mylar Florida Building Code label is included as standard
  - Optional mylar Miami-Dade County label

Door edge construction

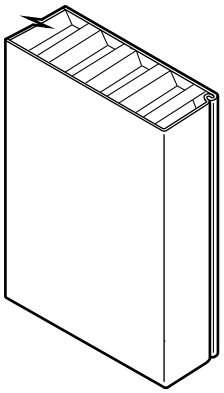
Optional Edge Seams available in the L Series doors:

- **H:** Standard feature includes visible edge seams with full height interlocked edges.
- **HF:** The mechanical edge seam is filled and dressed smooth prior to applying the factory primer.
- **HW:** The mechanical edge seam is welded and dressed smooth prior to applying the factory primer.

Standard visible edge seam

H Series Visible Seam Features

- Full height mechanical interlock
- Interlock filled with epoxy adhesive
- Visible edge seam



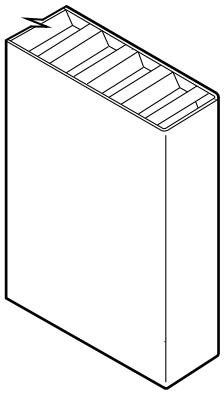
Optional seamless edge

HF Series Seam Filled Features

- Standard Visible Edge Seam is tack welded above and below edge cutouts for hinges, locks, etc.
- Edge Seam is then filled with structural adhesive and dressed smooth
- No visible edge seam

HW Series Seam Welded Features

- Standard Visible Edge Seam is intermittently welded using 1" long welds
- Edge Seam is then filled with structural adhesive and dressed smooth
- No visible edge seam

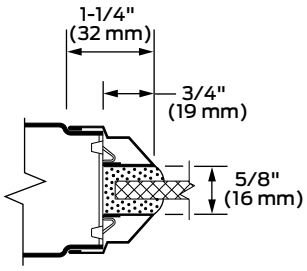


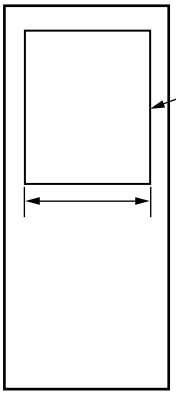
Glass light options

(Refer to the Lights section for further details and options)

Dezigner® Trim

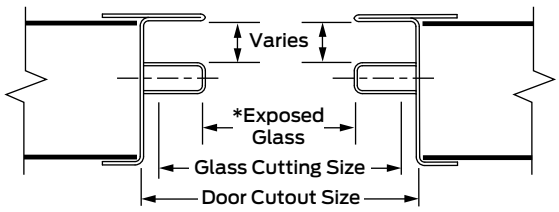
- Standard for ½" Thick Glass
- Optional for ¼" Thick Glass





Note: Glazing type and thickness vary per job requirements.

Typical Optional Overlapping Steel Trim for Glass Over ¼" to ⅝" or ¾" to 1" Thick



Divider Muntins Are Not Available

Note:

1. Glazing material and methods of glazing are subject to approval by applicable authorities and may change without notice. Refer to the applicable product approvals.
2. Doors used in elevations must use ½" or 9/16" glass only per NOA.

HE16 Series embossed doors

About the product

The HE16 Series embossed panel doors have been specifically designed and tested to meet the performance-based provisions of the Florida Building Code (FBC) while providing architects, designers and building owners with the broadest choices for their specific applications.

Specifiable options to meet application, specification and performance requirements include mechanical and electrical hardware preparations for exit hardware, cylindrical or mortise single point locks and double locks. No glass lights are allowable.

All HE16 Series doors have been tested to protocols TAS 201, 202 and 203, indicating their ability to withstand the missile impact, structural load and cyclic wind pressure tests prescribed by the Codes.

Design pressure ratings and hardware configurations

Design Pressure Ratings are based on ongoing testing for door, frame and hardware configurations. Applications are limited to the configurations tested. For up to date online Approvals and instructions to access, go to http://us.allegion.com/en/home/products/categories/doors-and-frames/steelcraft-h.html. Go to Approvals.

The *Authority Having Jurisdiction* is the final authority in issues related to the installation and use of any building products.

Features and benefits

Steelcraft's HE16 Series doors offer the following standard unique features, which enhance long term performance and durability:

1. **A-40 Galvannealed Steel** face sheets.
2. **Polystyrene Core (Standard)**: enhances the structural integrity of the door with enhanced thermal capabilities
3. **Full Height, Epoxy Filled Mechanical Interlock Edges** provide structural support and stability the full height of the door edges. Available edge options:
   - **Visible Edge Seam (standard)**: full height, epoxy filled mechanical Interlocked edges
   - **Filled Edge Seam (optional add to standard):** seam filled with structural adhesive and dressed smooth. Includes tack welds above and below edge cutouts for hinges, locks, etc.
   - **Welded Edge Seam (optional add to standard):** intermittently welded using 1" long welds, then seam filled with structural adhesive and dressed smooth. Option available on L18, L16 and L14 doors.
4. **Full Height Lock Side Reinforcement Channel** ensures structural stability and locking hardware functionality under extreme pressure conditions.
5. **Universal Hinge Preparations** (patented) allow for easy field conversion from standard weight .134" (3.3 mm) hinges to heavy weight .180" (54.7 mm) hinges.
6. **14 Gauge [0.067" (1.7 mm)] Inverted Top and Bottom Channels** provide stability and protection for the top and bottom edges from abuse.
7. **⅜" undercut** is standard on all H Series doors, to accommodate hurricane code requirements.
8. **Beveled Hinge and Lock Edges** allow for tighter installation tolerances, ensure easier operation and eliminate binding and sticking.
9. **Screwed-in top caps** provide additional weather protection to exclude water and debris from exterior outswing doors.
10. **Factory Applied Baked-On Rust Inhibiting Primer** paint in accordance with ANSI A250.10-2011.

Specification compliance

1. Door construction for Steelcraft HE16 Series embossed panel doors meets the requirements of ANSI A250.8-2017 (SDI 100).
2. Hardware preparations and reinforcements are in accordance with ANSI A250.6-2003 (R2009). Locations are in accordance with ANSI/DHI A115.
3. Door construction for the HE16 Series embossed panel doors meets ANSI A117.1-1998 (ADA) requirements for minimum 10" (254 mm) bottom rail height measured from the floor.
4. Florida Building Code test protocols TAS 201, TAS 202 & TAS 203.

Florida building code label

A Florida Building Code Label is applied to all H Series doors. An optional Miami-Dade County label is also available.

Fire ratings

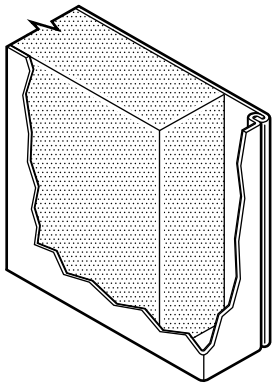
Steelcraft HE16 Series doors meet fire rating requirements.

They are listed for installations requiring compliance to both neutral pressure testing UL-10B and positive pressure standard UL-10C.

Cores

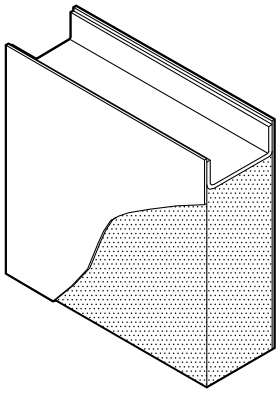
Insulated Core

- 1 pound (453.6 g) per ft³ density slab
- Preferred for extreme temperature variations
- Laminated to both face sheets with contact adhesive
- Assembled door is run through high pressure pinch rollers achieving ultimate bond



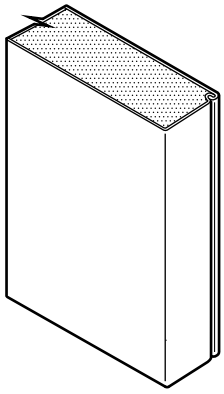
Standard Rigid 14 gauge End Channel Construction

- 14 gauge inverted galvannealed top & bottom channels
- Projection welded to both face sheets
- For optional caps, see ""Weather seals" on page 151



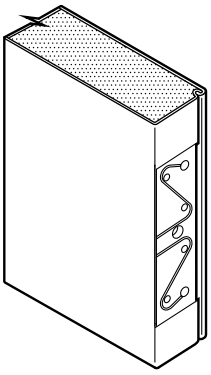
Standard Edge Construction

- Beveled hinge & lock edges
- Full height mechanical interlock with epoxy adhesive
- Visible edge seam standard
- Seamless edge optional

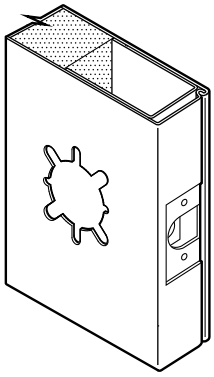


Door Application and Usage				
Series	**Steel Thickness**	**Opening**	**Usage Frequency**	
HE16	16 Ga (1.3 mm)	Exterior - Galvannealed Steel	Extra Heavy Duty	Extra Heavy Commercial & Institutional applications with potential of very high use

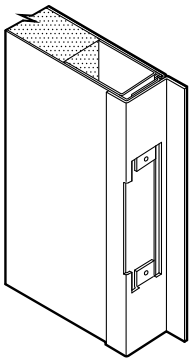
Standard hardware preparations



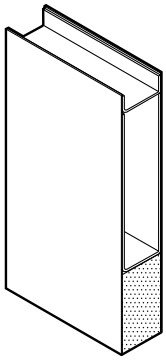
Standard Mortise Hinge Prep 4 ½" x .134" or 4 ½" x .180"



61L Lock Preparation



Inactive Leaf: ASA Strike Preparation and Astragal



Optional 14 Gauge [0.067" (1.7 mm)] Closer Reinforcement

Standard: mortised and reinforced for

- Patented Universal hinge preparations allow for easy field conversion from standard 4 ½" (114 mm) x .134" (3.3 mm) standard weight hinges to 4 ½" (114 mm) x .180" (4.7 mm) heavy weight hinges. Optional hinge preparation for 5" (127 mm) x .146" (3.7 mm) standard weight hinges or for 5" (127 mm) x .190" (4.8 mm) heavy weight hinges is also available.
- The cylindrical 161, 61L and mortise 86 lock preps are the most commonly used active leaf preparations. The 4 ⅞" (124 mm) strike prep is the most commonly used inactive leaf preparation.
- Optional reinforcements for surface closers are available.

SDI Conversion Chart

Steelcraft product selection for HE Series doors has been matched to SDI designations for Level and Model. Recommended minimum frame gauge also applies to the frequency of operation of the opening.

Code Compliance

- Florida Building Code test protocols TAS 201, TAS 202 & TAS 203.
  - A mylar Florida Building Code label is included as standard
  - Optional mylar Miami-Dade County label

Product Selection

Door Sizes and ANSI A250.8 Conversions

Series	ANSI A250.8 - SDI 100			Edge Construction	Maximum Sizes		Recommended Gauge of Frame
	Level	Model	Description		Single	Pair	
Level 3 - Extra Heavy Duty Commercial & Institutional							
HE16	3	1	Full Flush	Visible	3'0" x 8'0"	6'0" x 8'0"	14 Gauge [0.067" (1.7 mm)]
HEF16		2	Seamless	Filled	914 mm x 2438 mm	1829 mm x 2438 mm	16 Gauge [0.053" (1.3 mm)]

Door edge construction (H, HF, HE, HEF)

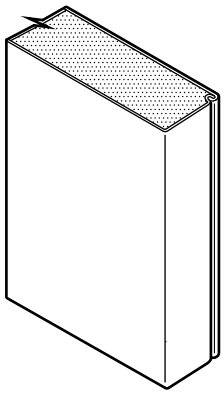
Optional Edge Seams available in the HE Series doors:

- **HE**: Standard feature includes visible edge seams with full height interlocked edges.
- **HEF**: the mechanical edge seam is filled and finished prior to applying the factory primer.

Standard visible edge seam

HE Series Visible Seam Features

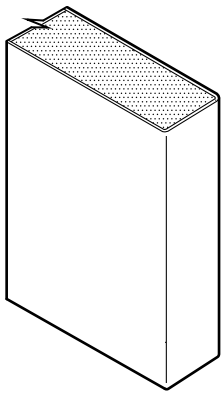
- Full height mechanical interlock
- Interlock filled with epoxy adhesive
- Visible edge seam



Optional seamless edge

HEF Series Seam Filled Features

- Standard Visible Edge Seam is tack welded above and below edge cutouts for hinges, locks, etc.
- Edge Seam is then filled with structural adhesive and dressed smooth
- No visible edge seam

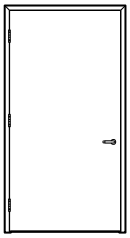


Approvals

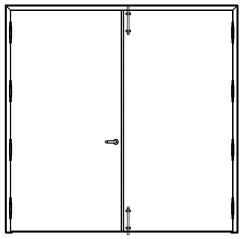
Inland regions
Tested in accordance with ASTM E-330

Flush doors

Locking applications



Single Door

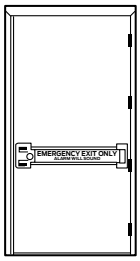


Double Door

Maximum Door Size	Singles	4' 0" x 8' 0"
	Pairs	8' 0" x 8' 0"
Door Design	Flush doors only	
Hardware Application	Active	Cylindrical or Mortise locks
	Inactive	IVES® Surface or Flush Bolts

Lock type	Lock series		Florida approval	Design pressure	Door series
	Schlage® Mechanical	Falcon			
Cylindrical (Bored)	ND, AL, A, S	T, B, X, H	FL10356	+/- 50 PSF	L, B, CE, SL, T
Mortise	L9000, L9400	T, B, X, H	FL10356	+/- 50 PSF	L, B, CE, SL, T

Exit alarm applications

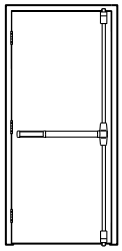


Single Door Only

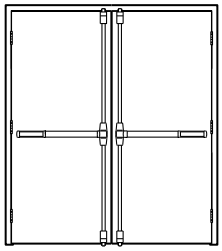
Maximum Door Size	Singles	4' 0" x 8' 0"
	Pairs	not available
Door Design	Flush doors only	
Hardware Application	2670 GUARD-X Alarm Lock	

Exit type	Exit series	Florida approval	Design pressure	Door series
	Von Duprin®			
Alarm	2670 GUARD-X Alarm Lock	FL10356	+ 55 PSF /- 40 PSF	L, B, CE, SL, T

Exit device applications



Single Door



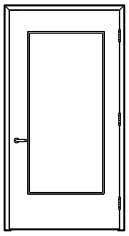
Double Door

Maximum Door Size	Singles	4' 0" x 8' 0"
	Pairs	8' 0" x 8' 0"
Door Design	Flush doors only	
Hardware Application	Exit Device As Noted Below	

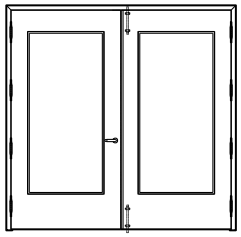
Exit type	Exit series		Florida approval	Design pressure	Door series
	Von Duprin®	Falcon			
RIM	33A, 55, 88	19-R, XX-R	FL10356	+/- 50 PSF	L, B, CE, SL, T
	22, 99/98	No		+50/-40 PSF	
SVR	2227, 3327A, 3527A, 8827, 8827, 9927	No	FL10356	+50/-40 PSF	L, B, CE, SL, T
	No	19-V, XX-V, 24-V, 25-V		+/- 50 PSF	
CVR	3347A, 3547A, 9447, 9847, 9947	No	FL10356	+/- 50 PSF	L, B, CE, SL, T
	No	19-C, XX-C, 24-C, 25-C		+/- 60 PSF	
	5547	No			
3 POINT	9957	No	FL10356	+50/-40 PSF	L, B, CE, SL, T
	No			+/- 50 PSF	
Mortise Single Door Only	8875, 9475, 9575, 9875, 9975	No	FL10356	+ 50/ -45 PSF	L, B, CE, SL, T
	No	XX-M, 25-M		+/- 50 PSF	

Doors with glass lights

Locking applications



Single Door

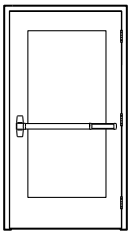


Double Door

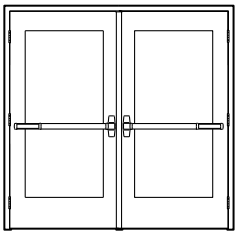
Maximum Door Size	Singles	4' 0" x 8' 0"
	Pairs	8' 0" x 8' 0"
Door Design	FG, FG2, FG3, G,V, N, N3, N4, LNL glass designs only	
Hardware Application	Active	Cylindrical or Mortise locks
	Inactive	IVES® Surface or Flush Bolts
Approved Glass	Refer to the appropriate Florida Approval for glass and glazing types	

Lock type	Lock series			Florida approval	Design pressure	Door series
	Schlage®		Falcon			
	Mechanical	Electronic				
Cylindrical (Bored)	ND, AL, A, S	No	T, B, X, H	FL10356	+50 / -40 PSF	L, B, CE, SL, T
Mortise	L9000/9400 LV9000/9400	No	M	FL10356	+50 / -40 PSF	L, B, CE, SL, T

Exit device applications



Single Door

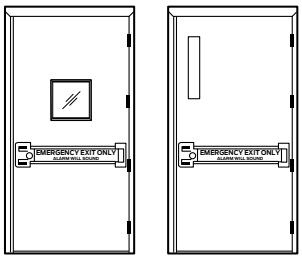


Double Door

Maximum Door Size	Singles	4' 0" x 8' 0"
	Pairs	8' 0" x 8' 0"
Door Design	FG, FG2, FG3, G,V, N, N3, N4, LNL glass designs only	
Hardware Application	RIM Exit Devices as noted below	
Approved Glass	Refer to the appropriate Florida Approval for glass and glazing types	

Exit type	Exit series		Florida approval	Design pressure	Door series
	Von Duprin®	Falcon			
RIM	33A, 55, 88	19-R, XX-R	FL10356	+/- 50 PSF	L, B, CE, SL, T
	22, 99/98	No		+50/-40 PSF	
SVR	2227, 3327A, 3527A, 8827 8827, 9927	No	FL10356	+50/-40 PSF	L, B, CE, SL, T
	No	19-V, XX-V, 24-V, 25-V		+/- 50 PSF	
CVR	3347A, 3547A, 9447, 9847, 9947	No	FL10356	+/- 50 PSF	L, B, CE, SL, T
	No	19-C, XX-C, 24-C, 25-C		+/- 60 PSF	
	5547	No			
3 POINT	9957	No	FL10356	+50/-40 PSF	L, B, CE, SL, T
	No			+/- 50 PSF	
Mortise Single Door Only	8875, 9475, 9575, 9875, 9975	No	FL10356	+ 50/-45 PSF	L, B, CE, SL, T
	No	XX-M, 25-M		+/- 50 PSF	

Exit alarm applications



Single Door Only

Maximum Door Size	Singles	4' 0" x 8' 0"
	Pairs	not available
Door Design	V or N3, N4 and N5 glass designs only	
Hardware Application	2670 GUARD-X Alarm LockV	

EXIT TYPE	EXIT Series	Florida Approval	Design Pressure	Door Series
	Von Duprin®			
Alarm	2670 GUARD-X Alarm Lock	FL10356	+ 55 PSF - 40 PSF	L, B, CE, SL, T

Note: See 81 or 197 for online resource links to access the most current approvals.

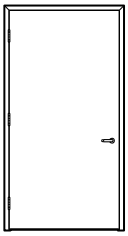
Wind-born debris (coastal) regions

Tested in accordance with Florida Building Code test:

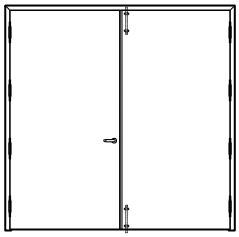
- Protocols (TAS 201, TAS 202 & TAS 203)
- Large missile impact and ASTM E-330 applications

Flush doors

Locking applications



Single Door



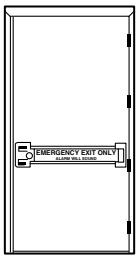
Double Door

Maximum Door Size	Singles	4' 0" x 8' 0"
	Pairs	8' 0" x 8' 0"
Door Design	Flush doors only	
Hardware Application	Active	Cylindrical or Mortise locks
	Inactive	IVES® Surface (360)

Lock type	Lock series			Miami-Dade NOA	Florida approval	Design pressure	Door series
	Schlage*		Falcon				
	Mechanical	Electronic					
Cylindrical (Bored)	ND*	AD/CO	T	Single Door 17-0320.06 Double Door 17-0320.08 Exp. 05/23/17	Single Door FL12400.3 Double Door FL12400.1	+/- 75 PSF	H, HE
	ND	AD/CO	No			+/- 65 PSF	
	AL	No	No			+/- 55 PSF	
Mortise	L9400	AD/CO	M			+/- 75 PSF	

* requires a ¾" projection latch

Exit alarm applications

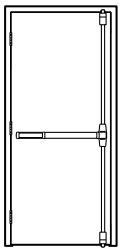


Single Door

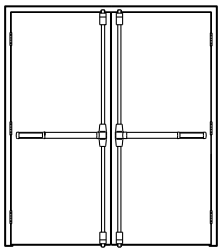
Maximum Door Size	Singles	4' 0" x 8' 0"
	Pairs	not available
Door Design	Flush doors only	
Hardware Application	2670 GUARD-X Alarm Lock	

Exit type	Exit series	Miami-Dade NOA	Florida approval	Design pressure	Door series
	Von Duprin®				
Alarm	2670 GUARD-X Alarm Lock	17-0320.06 Exp. 05/23/17	FL12400.3	+/- 55 PSF	H, HE

Exit device applications



Single Door



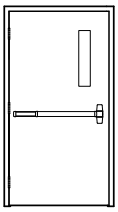
Double Door

Maximum Door Size	Singles	4' 0" x 8' 0"
	Pairs	8' 0" x 8' 0"
Door Design	Flush doors only	
Hardware Application	Exit device as noted below	

Exit type	Exit series		Miami-Dade NOA	Florida Approval	Design Pressure	Door Series
	Von Duprin®	Falcon				
RIM	99, 98	No	Single Door 17-0320.06 Double Door 17-0320.08 Exp. 05/05/2017	Single Door FL12400.3 Double Door FL12400.1	+/- 70 PSF	H, HE
RIM	No	25R			+70 /- 55 PSF	
SVR	9927	25-V			+/- 70 PSF	
CVR	9947-F	25-C			+/- 70 PSF	
3-POINT	9957	No			+/- 70 PSF	
Mortise Single Door Only	8875 & 98/9975	25-M			+/- 70 PSF	
Enhanced Wind-Born Debris (Coastal) Regions						
RIM	XP98/99	No	Single Door 17-0320.06 Double Door 17-0320.08 Exp. 05/23/17	Single Door FL12400.3 Double Door FL12400.1	+/- 100 PSF With Water Infiltration +/- 75 PSF	H, HE
SVR	WS98/9927	No	Single and Double Door 15-0930.03 Exp. 05/05/20	Single and Double Door FL14022	+/- 150 PSF With Water Infiltration +/- 75 PSF	

Doors with glass lights

Exit alarm applications

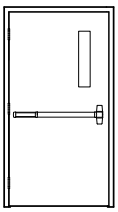


Single Door

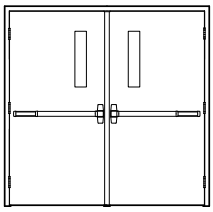
Maximum Door Size	Singles	4' 0" x 8' 0"
Door Design	V, N3, N4, N5 glass designs only	
Hardware Application	2670 Guard-X Alarm Lock	
Approved Glass	Refer to the appropriate Florida Approval for glass and glazing types	

Exit type	Exit series	Miami-Dade NOA	Florida Approval	Design Pressure	Door Series
	Von Duprin®				
Alarm	2670 GUARD-X Alarm Lock	Single Door 17-0320.05 Exp. 05/23/17	Single Door FL12400.4	+/- 55 PSF	H, HE

Exit device applications



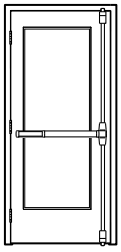
Single Door



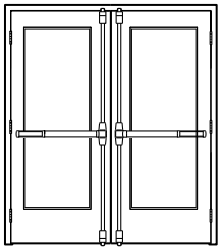
Double Door

Maximum Door Size	Singles	4' 0" x 8' 0"
	Pairs	8' 0" x 8' 0"
Door Design	V, N3, N4, N5 Glass Designs only	
Hardware Application	Exit device as noted below	
Approved Glass	Refer to the appropriate Florida Approval for glass and glazing types	

EXIT TYPE	EXIT Series		Miami-Dade NOA	Florida Approval	Design Pressure	Door Series
	Von Duprin®	Falcon				
RIM	XP98/99(F)	No	Single Door 17-0320.05 Exp. 05/23/17	Single Door FL12400.4	+/- 100 PSF	H, HE
RIM	XP98/99(F)	No	Double Door 17-0320.07 Exp. 05/23/17	Double Door FL12400.2	+/- 90 PSF	H, HE



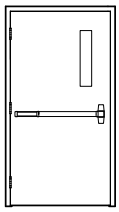
Single Door



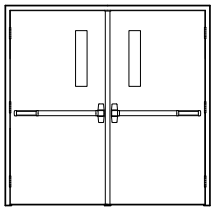
Double Door

Maximum Door Size	Singles	3' 0" x 7' 0"
	Pairs	6' 0" x 7' 0"
Door Design	FG, FG2, FG3, G, V, N, N3, N4, LNL	
Hardware Application	Exit device as noted below	
Approved Glass	Refer to the appropriate Florida Approval for glass and glazing types	

EXIT TYPE	EXIT Series		Miami-Dade NOA	Florida Approval	Design Pressure	Door Series
	Von Duprin®	Falcon				
RIM	98/99(F)	No	Single Door 17-0320.05 Double Door 17-0320.07 Exp. 05/23/17	Single Door FL12400.4 Double Door FL12400.2	+/- 60 PSF	H, HE
	88-F					
SVR	98/9927(F)	(F)25-V				
CVR	98/9947(F)	F-25-C				
	33/3547(F)					
3-Point	98/9957(F)	No				



Single Door



Double Door

Maximum Door Size	Singles	4' 0" x 8' 0"
	Pairs	8' 0" x 8' 0"
Door Design	FG, FG2, FG3, G, V, N, N3, N4, LNL	
Hardware Application	Exit device as noted below	
Approved Glass	Refer to the appropriate Florida Approval for glass and glazing types	

EXIT TYPE	EXIT Series		Miami-Dade NOA	Florida Approval	Design Pressure	Door Series
	Von Duprin®	Falcon				
RIM	98/99(F)	No	Single Door 17-0320.05 Double Door 17-0320.07 Exp. 05/23/17	Single Door FL12400.4 Double Door FL12400.2	+/- 50 PSF	H, HE
3-Point	98/9957(F)	No				

Hurricane resistant openings • Approvals

Locking applications

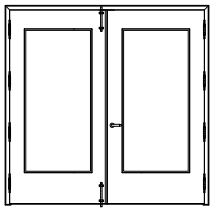
Single Door

Maximum Door Size	Singles	3' 0" x 7' 0"
Door Design	FG, FG2, FG3, G,V, N, N3, N4, LNL glass designs only	
Hardware Application	Cylindrical or Mortise locks	
Approved Glass	Refer to the appropriate Florida Approval for glass and glazing types	

LOCK TYPE	LOCK Series			Miami-Dade NOA	Florida Approval	Design Pressure	Door Series
	Schlage*		Falcon				
	Mechanical	Electronic					
Cylindrical (Bored)	D/ND	AD/CO	T	Single Door 17-0320.05 Exp. 05/23/17	FL12400.4	+/- 75 PSF	H, HE
Mortise	L9000/9400 LV9000/9400	AD/CO	M				

* requires a ¾" projection latch

Single Door



Double Door

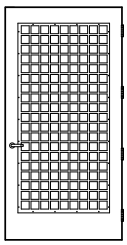
Maximum Door Size	Singles	4' 0" x 8' 0"
	Pairs	8' 0" x 8' 0"
Door Design	FG, FG2, FG3, G, V, N, N3, N4, LNL glass designs only	
Hardware Application	Active	Cylindrical or Mortise locks
	Inactive	IVES® Surface Bolts (360)
Approved Glass	Refer to the appropriate Florida Approval for glass and glazing types	

LOCK TYPE	LOCK Series			Miami-Dade NOA	Florida Approval	Design Pressure	Door Series
	Schlage*		Falcon				
	Mechanical	Electronic					
Cylindrical (Bored)	D/ND	AD/CO	T	Single Door 17-0320.05 Double Door 17-0320.07 Exp. 05/23/17	Single Door FL12400.4 Double Door FL12400.2	+/- 75 PSF	H, HE
Mortise	L9000/9400 LV9000/9400	AD/CO	M				

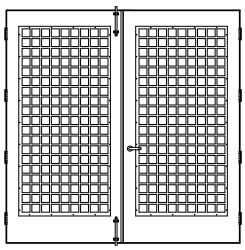
* requires a ¾" projection latch

Doors with louvers

Locking applications



Single Door



Double Door

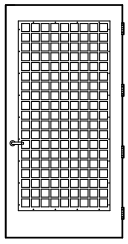
Maximum Door Size	Singles	4' 0" x 8' 0"
	Pairs	8' 0" x 8' 0"
Door Design	Louvered Doors Only	
Hardware Application	Active	Cylindrical or Mortise locks
	Inactive	IVES® Surface or Flush Bolts

LOCK TYPE	LOCK Series			Miami-Dade NOA	Florida Approval	Design Pressure	Door Series
	Schlage*		Falcon				
	Mechanical	Electronic					
Cylindrical (Bored)	D/ND	No	T	Single and Double Door 15-0427.03 Exp. 11/13/18	Single and Double Door FL1591	+/- 60 PSF	H, HE
Mortise	L9000/9400 LV9000/9400		MA				

LOCK TYPE	LOCK Series			Miami-Dade NOA	Florida Approval	Design Pressure	Door Series
	Schlage*		Falcon				
	Mechanical	Electronic					

* Fire louver, max opening is 24" x 24" for ± 60 psf rating.

Deadlocking applications



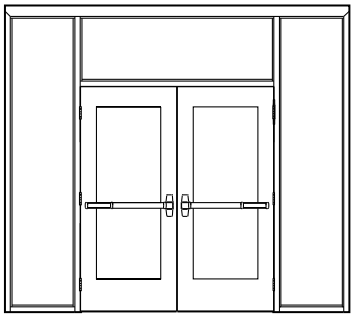
Single Door

Maximum Door Size	Singles	4' 0" x 8' 0"
	Pairs	not available
Door Design	Louvered Doors Only	
Hardware Application	Active	Deadlock

LOCK TYPE	LOCK Series			Miami-Dade NOA	Florida Approval	Design Pressure	Door Series
	Schlage*		Falcon				
	Mechanical	Electronic					
Deadlock	B600, B700, B800	No	D200	15-0427.03 Exp. 11/13/18	FL1591	+/- 60 PSF	H, HE

Transom and side lights

Glass doors: Exit device applications

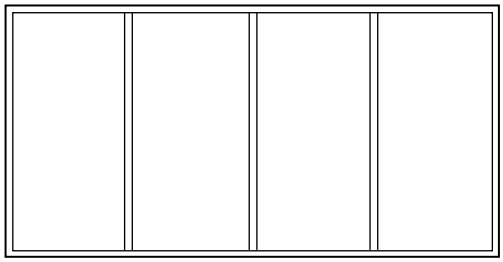


Single or Double Door

Maximum Overall Frame Size	10' 8" x 9' 6"	
Maximum Door Size	Singles	3' 0" x 7' 0"
	Doubles	6' 0" x 7' 0"
Door Design	Glass doors only FG, FG2, FG3	
Hardware Application	Von Duprin® Exit Devices as Noted Below	
Approved Glass	Refer to the appropriate Florida Approval for glass and glazing types	

EXIT TYPE	EXIT Series		Miami-Dade NOA	Florida Approval	Design Pressure	Door Series
	Von Duprin®	Monarch				
RIM	99, 88	No	15-0930.06 Exp. 05/23/17	FL1592	+/- 60 PSF	H, HE
SVR	9927					
CVR	9947-F, 3347F					

Borrowed light elevations



Maximum Door Size	14' 8" x 10' 2"
Door Design	FG, FG2, FG3, G, V, N, N3, N4, LNL glass designs only
Approved Glass	Refer to the appropriate NOA or Florida Approval for glass and glazing types

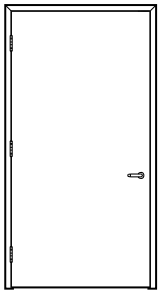
* When max height of 10' 2" is designed the max width can not exceed 9' 8". If width exceeds 9' 8" then height cannot exceed 8' 2".

Miami-Dade NOA	Florida Approval	Design Pressure	Missile Impact
16-1206.06 Exp. 06/30/22	FL4622	+/- 60 PSF	YES

Extreme Exposure: Wind-born debris regions

Flush doors

Locking applications



Single Door

Maximum Door Size	Singles	3' 0" x 7' 0"
	Pairs	not available
Door Design	Flush doors only	
Hardware Application	Mortise locks	

LOCK TYPE	LOCK Series			Miami-Dade NOA	Florida Approval	Design Pressure	Door Series
	Schlage*		Falcon				
	Mechanical	Electronic					
Mortise	L9400	No	M	In-Swing 16-1206.04 Out-Swing 16-1206.05 Exp. 02/24/22	In-Swing and Out-Swing FL-3905	+/- 170 PSF Stainless Steel Strike +/- 120 PSF Standard Strike	H, HE

Note: See 192 or 197 for online resource links to access the most current approvals.