

Hurricane resistant openings - Approvals

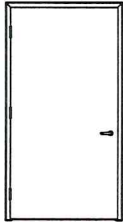
Approvals

Inland regions

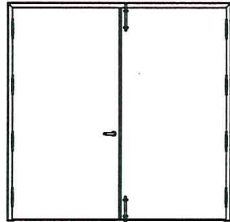
Tested in accordance with ASTM E-330

Flush doors

Locking applications



Single Door

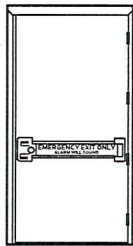


Double Door

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®		Falcon			
	Mechanical	Electronic				
Cylindrical (Bored)	ND, AL, A, S	5100	T, B, X, Z, S, H	FL10356-R4	+/- 50 PSF	L, B, CE, SL, T
Mortise	L9000, L9400	5500	T, B, X, Z, S, H	FL10356-R4	+/- 50 PSF	L, B, CE, SL, T

Exit alarm applications



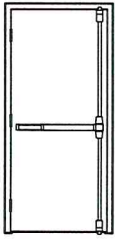
Single Door Only

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

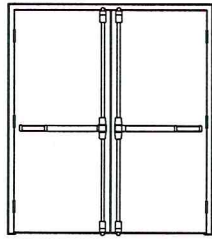
Exit type	Exit series		Florida approval	Design pressure	Door series
	Von Duprin®	Monarch			
Alarm	2670 GUARD-X Alarm Lock	No	FL10356-R4	+ 55 PSF /- 40 PSF	L, B, CE, SL, T

Hurricane resistant openings • Approvals

Exit device applications



Single Door



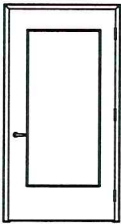
Double Door

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	

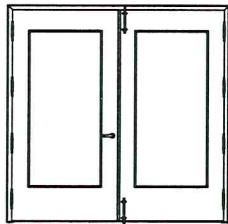
Exit type	Exit series			Florida approval	Design pressure	Door series
	Von Duprin®	Monarch	Falcon			
RIM	33A, 55, 88	17-R, 18-R, 19-R, XX-R	No	FL10356-R4	+/- 50 PSF	L, B, CE, SL, T
	22, 99/98	No			+50/-40 PSF	
SVR	2227, 3327A, 3527A, 8827, 8827, 9927	No	No	FL10356-R4	+50/-40 PSF	L, B, CE, SL, T
	No	17-V, 18-V, 19-V, XX-V	24-V, 25-V	+/- 50 PSF		
CVR	3347A, 3547A, 9447, 9847, 9947	No	No	FL10356-R4	+/- 50 PSF	L, B, CE, SL, T
	No	17-C, 18-C, 19-C, XX-C	24-C, 25-C		+/- 60 PSF	
	5547	No	No			
3 POINT	9957	No	No	FL10356-R4	+50/-40 PSF	L, B, CE, SL, T
	No	17-TPL, XX-TPL			+/- 50 PSF	
Mortise Single Door Only	8875, 9475, 9575, 9875, 9975	No	No	FL10356-R4	+ 50/ -45 PSF	L, B, CE, SL, T
	No	17M, 18M, XX-M	24-M, 25-M	+/- 50 PSF		

Doors with glass lights

Locking applications



Single Door



Double Door

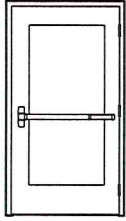
Maximum Door Size	Singles	4' 0" x 8' 0"
	Pairs	8' 0" x 8' 0"
Door Design	FG, FG2, FG3, G,V, N, N3, N4, LNL glass designs only	
Hardware Application	Active	Cylindrical or Mortise locks
	Inactive	IVES® Surface or Flush Bolts
Approved Glass	Refer to the appropriate Florida Approval for glass and glazing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

Lock type	Lock series		Florida approval	Design pressure	Door series	
	Schlage®					
	Mechanical	Electronic				
Cylindrical (Bored)	ND, AL, A, S	No	T, B, X, Z, S, H	FL10356-R4	+50 / -40 PSF	L, B, CE, SL, T
Mortise	L9000/9400 LV9000/9400	No	M	FL10356-R4	+50 / -40 PSF	L, B, CE, SL, T

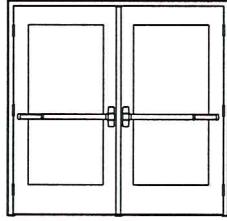
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Tornado
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Performance
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Exit device applications



Single Door

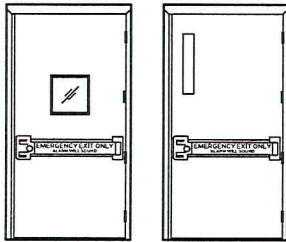


Double Door

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®	Monarch	Falcon			
RIM	33A, 55, 88	17-R, 18-R 19-R, XX-R	No	FL10356-R4	+/- 50 PSF	L, B, CE, SL, T
	22, 99/98	No			+50/-40 PSF	
SVR	2227, 3327A, 3527A, 8827 8827, 9927	No	No	FL10356-R4	+50/-40 PSF	L, B, CE, SL, T
	No	17-V, 18-V, 19-V, XX-V	24-V, 25-V		+/- 50 PSF	
CVR	3347A, 3547A, 9447, 9847, 9947	No	No	FL10356-R4	+/- 50 PSF	L, B, CE, SL, T
	No	17-C, 18-C, 19-C, XX-C	24-C, 25-C		+/- 60 PSF	
	5547	No	No			
3 POINT	9957	No	No	FL10356-R4	+50/-40 PSF	L, B, CE, SL, T
	No	17-TPL, XX-TPL			+/- 50 PSF	
Mortise	8875, 9475, 9575, 9875, 9975	No	No	FL10356-R4	+ 50/-45 PSF	L, B, CE, SL, T
Single Door Only	No	17M, 18M, XX-M	24-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®	Monarch			
Alarm	2670 GUARD-X Alarm Lock	No	FL10356-R4	+ 55 PSF - 40 PSF	L, B, CE, SL, T

Note: See 75 or 191 for online resource links to access the most current approvals.

Hurricane resistant openings • Approvals

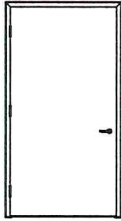
Wind-born debris (coastal) regions

Tested in accordance with Florida Building Code test:

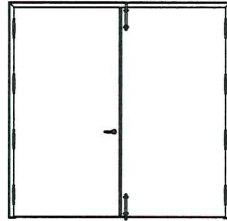
- Protocols (TAS 201, TAS 202 & TAS 203)
- Large missile impact and ASTM E-330 applications

Flush doors

Locking applications



Single Door



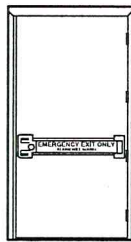
Double Door

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*	5100	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 +/- 65 PSF +/- 55 PSF +/- 75 PSF	H, HE
	ND	No	No				
	AL	No	No				
Mortise	L9400	5500	M				

* requires a ¾" projection latch

Exit alarm applications



Single Door

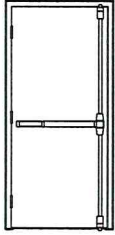
Maximum Door Size	Singles	4' 0" x 8' 0"
	Pairs	not available
Door Design	Flush doors only	
Hardware Application	2670 GUARD-X Alarm Lock	

Exit type	Exit series		Miami-Dade NOA	Florida approval	Design pressure	Door series
	Von Duprin®	Monarch				
Alarm	2670 GUARD-X Alarm Lock	No	17-0320.06 Exp. 05/23/17	FL12400.3	+/- 55 PSF	H, HE

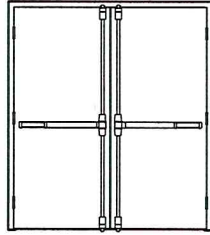
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Exit device applications



Single Door



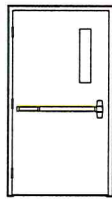
Double Door

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®	Monarch	Falcon				
RIM	99, 98	DL 18-R	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	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	18M	25-M			+/- 70 PSF	
Enhanced Wind-Born Debris (Coastal) Regions							
RIM	XP98/99	No	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	No	Single and Double Door 15-0930.03 Exp. 05/05/20	Single and Double Door FL124022-R3	+/- 150 PSF With Water Infiltration +/- 75 PSF	

Doors with glass lights

Exit alarm applications



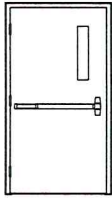
Single Door

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	

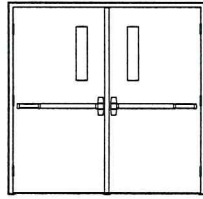
Exit type	Exit series		Miami-Dade NOA	Florida Approval	Design Pressure	Door Series
	Von Duprin®	Monarch				
Alarm	2670 GUARD-X Alarm Lock	No	Single Door 17-0320.05 Exp. 05/23/17	Single Door FL12400.4	+/- 55 PSF	H, HE

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Exit device applications



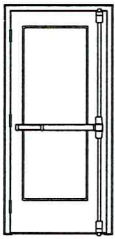
Single Door



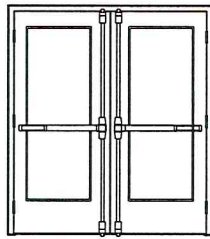
Double Door

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	



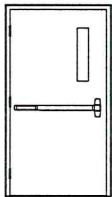
Single Door



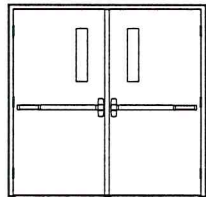
Double Door

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	Single Door FL12400.4	+/- 60 PSF	H, HE
	88-F					
SVR	98/9927(F)	(F)25-V	Double Door 17-0320.07 Exp. 05/23/17	Double Door FL12400.2		
CVR	98/9947(F)	F-25-C				
	3-Point	98/9957(F)	No			



Single Door



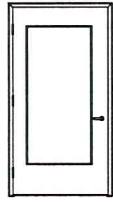
Double Door

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	Single Door FL12400.4	+/- 50 PSF	H, HE
3-Point	98/9927(F)	No	Double Door 17-0320.07 Exp. 05/23/17	Double Door FL12400.2		

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Locking applications



Single Door

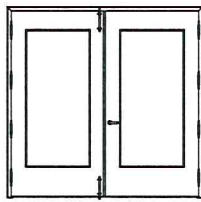
Maximum Door Size	Singles	3' 0" x 7' 0"
Door Design	FG, FG2, FG3, G, V, N, N3, N4, LNL glass designs only	
Hardware Application	Cylindrical or Mortise locks	
Approved Glass	Refer to the appropriate Florida Approval for glass and glazing types	

LOCK TYPE	LOCK Series			Miami-Dade NOA	Florida Approval	Design Pressure	Door Series
	Schlage*		Falcon				
	Mechanical	Electronic					
Cylindrical (Bored)	D/ND/AD	5100, CO	T	Single Door 17-0320.05 Exp. 05/23/17	FL12400.4	+/- 75 PSF	H, HE
Mortise	L9000/9400 LV9000/9400	5500, AD	M				

* requires a 3/4" projection latch



Single Door



Double Door

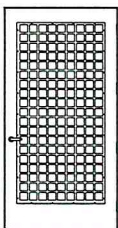
Maximum Door Size	Singles	4' 0" x 8' 0"
	Pairs	8' 0" x 8' 0"
Door Design	FG, FG2, FG3, G, V, N, N3, N4, LNL glass designs only	
Hardware Application	Active	Cylindrical or Mortise locks
	Inactive	IVES® Surface Bolts (360)
Approved Glass	Refer to the appropriate Florida Approval for glass and glazing types	

LOCK TYPE	LOCK Series			Miami-Dade NOA	Florida Approval	Design Pressure	Door Series
	Schlage*		Falcon				
	Mechanical	Electronic					
Cylindrical (Bored)	D/ND/AD	5100, CO	T	Single Door 17-0320.05	Single Door FL12400.4	+/- 75 PSF	H, HE
Mortise	L9000/9400 LV9000/9400	5500, AD	M	Double Door 17-0320.07 Exp. 05/23/17	Double Door FL12400.2		

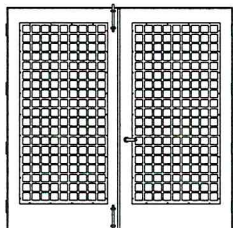
* requires a 3/4" projection latch

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

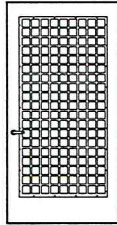
LOCK TYPE	LOCK Series			Miami-Dade NOA	Florida Approval	Design Pressure	Door Series
	Schlage*		Falcon				
	Mechanical	Electronic					
Cylindrical (Bored)	D/ND		T	Single and Double Door 15-0427.03 Exp. 11/13/18	Single and Double Door FL1591-R5	+/- 60 PSF	H, HE
Mortise	L9000/9400 LV9000/9400	No	M				

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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



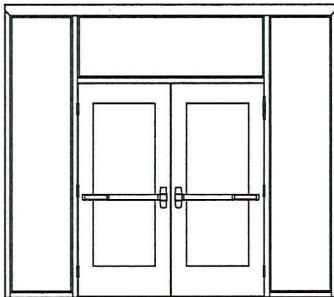
Single Door

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	D100, D200	15-0427.03 Exp. 11/13/18	FL1591-R5	+/- 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-R5	+/- 60 PSF	H, HE
SVR	9927					
CVR	9947-F, 3347F					