

EVALUATION REPORT

Title: Evaluation of Schlage Door Hardware

Report #: S012-003R1

Manufacturer: Schlage Lock Company, LLC
11819 N. Pennsylvania Street
Carmel, IN 46032

Technical Contact Jim Donlan
Compliance Engineer

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Date: December 28, 2013

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I. Introduction/ Scope

This is a revision to the original report dated Feb 14, 2013 to recognize the company name change. The Schlage Lock Company has requested that additional hardware be reviewed in addition to the hardware already approved on Dade County Approval No 12-0305.11. Per the approval, 3 sets of Schlage cylindrical locks were tested and approved for use on 3' x 7' single doors.

II. Reference Material

The following items were used to prepare the evaluation report:

- A. Dade County NOA 12-0305.11, Expiration Date 04/28/15.
- B. IR Dwg # 3357-2, Schlage Lock, 4 sheets, Dated 3/29/10.
- C. IR Dwg# 3300, Schlage Lock, 5 sheets, Dated 12/17/12.
- D. Installation Instructions, Schlage Keypad Deadbolt, Model BE 365
- E. Installation Instructions, Schlage Lever Lock, Model FE599
- F. Installation Instructions, Schlage Deadbolt, Model BE 369

III. Evaluation

A. Product Summary

Model BE 369 – Deadbolt with Keypad

Same latch/ strike plate design as BE 365 which is already NOA approved.

Model FE 599 – Lever Lock with Keypad FE 595

Same latch/ strike plate design as FE 595 and FE 597 which are already NOA approved.

Model BE 468/469 – Deadbolt with Keypad

Same latch/strike plate design as BE 365 which is already NOA approved.

Panel Construction/ Mounting

Steel panel construction is stronger than the fiberglass panel construction which is already NOA approved.

B. Product Comparisons

The following chart shows the door & hardware that were tested & approved by Dade County. All of the doors and frames have been tested to TAS 201-94 (Large Missile Impact), TAS 202-94 (Uniform Static Air Pressure) and TAS 203-94 (Cyclic Wind Pressure). These standards are referenced in Section 1609.1.2 (Wind load, protection of openings) and Section 1714.5.3.1 (Exterior window and door assemblies) of the 2010 Florida Building Code.

Table 1 – Current Dade County Approval & Locks Under Evaluation

NOA 12-0305.11		Evaluation – IR Dwg 3300		
Lock Type	Models	Lock Type	Models	Notes
F Series Cylindrical B Series Deadlock	FA 10/40/51 Fusion	F Series Cylindrical B Series Deadlock	FA 10/40/51 Fusion	Same
F Series Cylindrical w/ BE Series Keypad Deadlock	FA 10/40/51 BE 365/367	F Series Cylindrical w/ BE Series Keypad Deadlock	FA 10/40/51 BE 365/367/369*	Note 1
Cylindrical Lock w/ keypad	FE 575/ 576/578 FE 595/596/597	Cylindrical Lock w/ keypad	FE 575/576/578 FE 595/596/597/599*	Note 2
B Series Deadlock	Fusion	B Series Deadlock	Fusion	
		F Series Cylindrical BE Series Deadlock	FA 10/40/51 BE 468/469	Note 3

Note 1 – Added BE 369, Note 2 – Added FE 599, Note 3 – Added BE 468/469

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Table 2 – Current Dade County Approvals & Locks Under Evaluation

NOA 12-0305.11			Evaluation – IR Dwg 3300			
Option	Description	Pressure	Option	Description	Pressure	Notes
1	3 x 8 Single Steel Door, Outswing	+80/-70	1	3 x 8 Single Steel Door, Outswing	+80/-70	Same
		+55/-70	2	3 x 8, Single Steel Door, Inswing	+55/-70	Note 1
2	3 x 8 Single Fiberglass Door, Inswing	+55/-70	3	3 x 8 Single Fiberglass Door, Inswing	+55/70	Same
3	3 x 8 Single Fiberglass Door, Outswing	+55/-70	4	3 x 8 Single Fiberglass Door, Outswing	+55/-70	Same

Note 1: Added Steel Inswing configuration

C. Conclusion

Comparing the doors and locks under evaluation against the Dade County approved doors and locks, I calculate that the doors, frames and hardware under evaluation will be subjected to a equal load and will perform equal or better than the approved doors and hardware.

The drawings cited above are an explicit part of this evaluation report. The text of this report can not address all design details (fastener size, spacing) but relies upon the illustrations of these drawings.

I conclude that the construction shown comply with the structural requirements of the 2010 Florida Building Code.

IV Limitations of Use

The following information summarizes the limitation of use for the doors/ frames and hardware under evaluation.

1. Elevation Summary

Maximum Door Panel width:	3 ft – 0 in
Maximum Door Panel height:	7 ft – 0 in
Lock Types	Schlage BE 369, FE 599, BE 469
Maximum Wind Pressure	+80/-70 & +55/70 psf
Maximum transom panel glazing size	NA
Door Panel Construction	Refer to IR Dwg 3300
Frame Anchor Types, Size & Spacing	Refer to approved NOAs
Rated for Large missile impact rating (TAS 201)	Yes

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Certification of Independence of Evaluation Entity

I hereby certify that (1) I have no financial interest in Schlage Lock Company, LLC; (2) I am an independent licensed Professional Engineer in the State of Florida and; (3) I comply with the criteria of independence as stated in 9B-72.110 (3), F.A.C. and 9N-3.