Schlage Lock Company, LLC  
6810 Hillsdale Court  
Indianapolis, IN 46250

SCOPE:
This NOA is being issued under the applicable rules and regulations governing the use of construction materials. The documentation submitted has been reviewed and accepted by Miami-Dade County RER - Product Control Section to be used in Miami Dade County and other areas where allowed by the Authority Having Jurisdiction (AHJ). This NOA shall not be valid after the expiration date stated below. The Miami-Dade County Product Control Section (In Miami Dade County) and/or the AHJ (in areas other than Miami Dade County) reserve the right to have this product or material tested for quality assurance purposes. If this product or material fails to perform in the accepted manner, the manufacturer will incur the expense of such testing and the AHJ may immediately revoke, modify, or suspend the use of such product or material within their jurisdiction. RER reserves the right to revoke this acceptance, if it is determined by Miami-Dade County Product Control Section that this product or material fails to meet the requirements of the applicable building code.

This product is approved as described herein, and has been designed to comply with the Florida Building Code, including the High Velocity Hurricane Zone.

DESCRIPTION: SteelCraft H Series Single & Double Flush Outswing Commercial Steel Door w/ SVR (Surface Vertical Rod) Panic Exit Devices - LMI

APPROVAL DOCUMENT: Drawing No. Drawing No “3580-1” Rev J, titled “Steelcraft H-series Single and Double Flush Doors”, sheets 1 through 15 of 15, prepared by the manufacturer, dated 03-13-09 and last revised on 07/12/2018, signed and sealed by Hermes F. Norero, P.E., bearing the Miami-Dade County Product Control Revision stamp with the Notice of Acceptance number and expiration date by the Miami-Dade County Product Control Section.

MISSILE IMPACT RATING: Large and Small Missile Impact

Limitations:
1. See Door Sizes, Design Pressures and Water infiltration (Threshold types) limitations in sheet 1 & water resistance threshold components in sheets 7 thru 11 of the DWG. Lower Design Pressure VS size, threshold (water infiltration rated & non-water rated) and installation shall control the entire assembly.
2. See sheets 5 & 6 for door installed up to +/- 75 PSF and sheets 14 & 15 for door installed up to = +/- 150 PSF.
3. Use of Ives Viewers (model U696/U698) is limited to +/- 75 PSF.
4. Electrical/Electronic functions and Fire ratings are not part of this approval, such functions to be reviewed and approved by AHJ.

LABELING: Each unit shall bear a permanent label with the manufacturer's name or logo, Cincinnati, Ohio and Series and following statement: "Miami-Dade County Product Control Approved", unless otherwise noted herein.

RENEWAL of this NOA shall be considered after a renewal application has been filed and there has been no change in the applicable building code negatively affecting the performance of this product.

TERMINATION of this NOA will occur after the expiration date or if there has been a revision or change in the materials, use, and/or manufacture of the product or process. Misuse of this NOA as an endorsement of any product, for sales, advertising or any other purposes shall automatically terminate this NOA. Failure to comply with any section of this NOA shall be cause for termination and removal of NOA.

ADVERTISEMENT: The NOA number preceded by the words Miami-Dade County, Florida, and followed by the expiration date may be displayed in advertising literature. If any portion of the NOA is displayed, then it shall be done in its entirety.

INSPECTION: A copy of this entire NOA shall be provided to the user by the manufacturer or its distributors and shall be available for inspection at the job site at the request of the Building Official.

This NOA revises & replaces NOA #17-1206.03 and consists of this page 1 and evidence pages E-1, E-2, E-3, E-4 and E-5, as well as approval document mentioned above.

The submitted documentation was reviewed by Ishaq I. Chanda, P.E.
Schlage Lock Company, LLC

NOTICE OF ACCEPTANCE:  EVIDENCE SUBMITTED

1. Evidence submitted under previous approvals

A. DRAWINGS
   1. Drawing No. “3580-1” Rev H, titled “Steelcraft H-Series Single and Double Flush Outswing Commercial Steel Doors with Vertical Rod Exit Device”, sheets 1 through 10 of 10, prepared by the manufacturer, dated 03-13-09 and last revised on 09/29/15, signed and sealed by Hermes F. Norero, P.E.

B. TESTS
   1. None.

C. CALCULATIONS
   1. Anchor verification calculation and analysis dated 11/08/17 and revised on 02/12/18, prepared, signed & sealed by Hermes F. Norero, P.E.

D. QUALITY ASSURANCE
   1. Miami Dade Department of Regulatory and Economic Resources (RER).

E. MATERIAL CERTIFICATIONS
   1. None.

F. STATEMENTS
   2. Letter indicating Change of Engineer of Record indicating that the successor engineer is assuming full professional and legal responsibility for all engineering documents pertaining to this NOA, dated 10/09/17, signed and sealed by Thomas Gordon, P.E.

G. OTHER
   1. This NOA revises NOA #15-0930.03, expiring on 05/05/20
   2. Evidence submitted under previous approvals

A. DRAWINGS
   1. Manufacturer's parts and sections drawings (Submitted under file as below).
   2. Drawing No. Drawing No “3580-1” Rev G, titled “Steelcraft H-series Single and Double Flush Doors”, sheets 1 through 8 of 8, prepared by the manufacturer, dated 03-13-09 and last revised on 09/29/15, signed and sealed by Thomas Gordon, P.E.

B. TESTS (Submitted under files #13-1217.18/#12-0305.12/ #10-0209.06/#09-0528.06)
   1. Test report on
      1) Air Infiltration Test, per TAS 202-94
      2) Uniform Static Air Pressure Test, Loading per TAS 202-94
      3) Large Missile Impact Test per FBC, TAS 201-94
      4) Cyclic Wind Pressure Loading per FBC, TAS 203-94
      5) Forced Entry Test, per PA 202-94

Along with manufacturer's parts and section drawings of Single outswing steel doors w/ Stainless steel continuous Hinges & modified Hat stiffeners, marked by Certified Testing Lab, Test Reports No(s). CTLA-3045W dated February 16, 2015, signed and sealed by Ramesh Patel, P.E.

Ishaaq I. Chanda, P.E.
Product Control Examiner
NOA No. 18-0510.05
Expiration Date: May 05, 2020
Approval Date: September 13, 2018

E-1
NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

B. TESTS (Continue)
   2. Test report on
      1) Air Infiltration Test, per TAS 202-94
      2) Uniform Static Air Pressure Test, Loading per TAS 202-94
      3) Large Missile Impact Test per FBC, TAS 201-94
      4) Cyclic Wind Pressure Loading per FBC, TAS 203-94
      5) Forced Entry Test, per PA 202-94

Along with manufacturer's parts and section drawings of double outswing steel doors w/CVC panic exit and Peep hole, marked by Element Material Technology, Test Reports No(s). ESP011623P dated May 14, 2013, signed and sealed by Jason Sheen, P.E.

3. Test reports on
   1) Uniform Static Air Pressure Test, Loading per FBC TAS 202-94.
   2) Water Resistance Test per FBC TAS 202-94 (See limitations in sheet 1)

Along with marked-up drawings and installation diagram of double steel commercial doors, prepared by National Certified Testing Laboratories Inc., Test Report No. NCTL-210-03-0514-11, dated August 31, 2004, NCTL 210-03-3511-1 dated 04/09/08 and NCTL 210-03-3549-1 dated 08/26/08, all signed and sealed by Gerry Ferrara, P.E.

Note: Test report No(s): NCTL210-3549-1 and NCTL-210-3511-1 have been revised by an addendum letter, issued by Lab, dated Feb. 04, 2009, signed & sealed by Gerard J. Ferrara, P.E.

4. Test report on
   1) Air Infiltration Test, per TAS 202-94
   2) Water Resistance Test per FBC TAS 202-94(Not conducted)
   3) Uniform Static Air Pressure Test, Loading per TAS 202-94
   4) Large Missile Impact Test per FBC, TAS 201-94
   5) Cyclic Wind Pressure Loading per FBC, TAS 203-94
   6) Forced Entry Test, per PA 202-94

Along with manufacturer's parts and section drawings of double flush outswing steel doors, marked by National Certified Testing Lab, Test Reports No. NCTL-210-3580-2, dated March 25, 2009 and NCTL-210-3357-1, both signed and sealed by Gerry Ferrara, P.E.

5. Test reports on: 1) Air Infiltration Test, per FBC, TAS 202-94(Not conducted)
                    2) Uniform Static Air Pressure Test, Loading per FBC TAS 202-94
                    3) Water Resistance Test, per FBC, TAS 202-94(Not conducted)
                    4) Large Missile Impact Test per FBC, TAS 201-94
                    5) Cyclic Wind Pressure Loading per FBC, TAS 203-94
                    6) Forced Entry Test, per FBC 2411 3.2.1, TAS 202-94

Along with manufacturer's parts and section drawings of Flush out swing double steel doors, marked by Certified Testing Lab, Test Reports No(s). NCTL-210-3580-1 dated 03/25/09, signed and sealed by Gerard J. Ferrara, P.E. (Submitted under file # 09-0528.06)


Ishq I. Chanda, P.E.
Product Control Examiner
NOA No. 18-0510.05
Expiration Date: May 05, 2020
Approval Date: September 13, 2018

E-2
Schlage Lock Company, LLC

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

C. CALCULATIONS:
2. Hinge Load Evaluation report dtd 01/04/04, prepared, signed & sealed by Thomas Gordon, P.E.

D. QUALITY ASSURANCE BY
1. Miami Dade Department of Regulatory and Economic Resources (RER).

E. MATERIAL CERTIFICATIONS (items 6 thru 8, submitted under file # 09-0528.06)
4. Test Report No. 16206-122543 (1015P200(3)), dated November 29, 2004 for “Surface Burning Characteristics of Bldg. material” per ASTM E84 and self-Ignition per ASTM1929D for “Polyisocyanurate” issued by Omega Point Laboratories, Inc. to Elliott Co., Indianapolis, IN.
5. Tensile test report # CTLA-776W (0194H), dtd 02/25/02 prepared by CTL, Architectural Division, sheet samples, tested per ASTM E8, signed & sealed by Ramesh Patel, P.E.
6. Test Report No. 3094867SAT-001, April 13, 2006, issued by Intertek for “Surface Burning Characteristics of Building material” per ASTM84 and self-Ignition per ASTM1929D for “EPS”, issued to Falcon Foam, a Div. of Atlas Roofing, re-named as “ATLAS EPS”.
7. Tensile Test report No. A103W1-Test 1, 2 & 3 dated 23 APR 03 per ASTM-8 for steel face sheet, prepared by Certified Testing laboratory, signed and sealed by Ramesh Patel, P.E.
8. Test Report No. 3094867SAT-001, April 13, 2006, issued by Intertek for “Surface Burning Characteristics of Building material” per ASTM84 and self-Ignition per ASTM1929D for “EPS”, issued to Falcon Foam, a Div. of Atlas Roofing, re-named as “ATLAS EPS”.

F. STATEMENTS: Except items #1, balanced of the items submitted under file #10-0209.09.
1. Letter of conformance to FBC 2014 (5th Edition), dated 09/29/15, prepared, signed and sealed by Gordon Thomas, P.E.
2. Statement letter dated Nov. 26, 2013 issued by Ingersoll-Rand for name change, signed by Jim Donlan, Compliance Engineer.
3. Ingersoll-Rand press release, dated 12/10/12, integrating the brands of Ingersoll-Rand and Schlage among others.
4. Department of State Certification of Reinstatement for SCHLAGE LOCK COMPANY, LLC as a limited liability company, active and organized under the laws of the State of Florida, dated 03/17/06 and filed with the Secretary of State

Ishaq I. Chanda, P.E.
Product Control Examiner
NOA No. 18-0510.05
Expiration Date: May 05, 2020
Approval Date: September 13, 2018
NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

F. STATEMENTS
6. Statement letter of conformance to FBC 2007 and no financial interest, dated 05/4/09, prepared, signed and sealed by Gordon Thomas, P.E.
7. Laboratory Compliance statement issued as part of the above test reports.
8. Addendum letter dated DEC 19, 2011, issued by Certified Testing Lab verifying wire anchors, strength of grout, stud anchor, Strike plate and MA series Mortise Lock, supplemented w/mark-up drawings, signed and sealed by Ramesh Patel, P.E.
9. Letter of certification dated 04/20/10, issued by Ingersoll-Rand for electronic CO lock series mechanical/functional parts same as AD, ND and AD-M series.

G. OTHER
1. This NOA revises & renews NOA #13-1217.18, expiring on 05/05/20.
2. Test proposals # 14-0252, -0254, #14-1086, #14-0254-R1 and #12-0797R approved by RER.
3. Consolidation Test proposal # 06-2468, dated 04/27/07 approved by BCCO.
4. Consolidated reference NOA # 10-0209.06.


A. DRAWINGS
1. Drawing No. Drawing No “3580-1” Rev J, titled “Steelcraft H-series Single and Double Flush Doors”, sheets 1 through 15 of 15, prepared by the manufacturer, dated 03-13-09 and last revised on 07/12/2018, signed and sealed by Hermes F. Norero, P.E.

B. TESTS
1. Additional Test report on
   1) Uniform Static Air Pressure Test, Loading per TAS 202-94
   2) Large Missile Impact Test per FBC, TAS 201-94
   3) Cyclic Wind Pressure Loading per FBC, TAS 203-94
   4) Forced Entry Test, per PA 202-94
Along with manufacturer's parts and section drawings of double outswing steel doors w/CVC panic exit and Peep hole, marked by Element Material Technology, Test Reports No(s). ESP01623P dated May 14, 2013, signed and sealed by Jason Sheen, P.E.
Along with manufacturer's parts and section drawings of double flush outswing steel doors, marked by National Certified Testing Lab, Test Reports No. NCTL-210-3580-2, dated March 25, 2009 and NCTL-210-3357-1, both signed and sealed by Gerry Ferrara, P.E.
2. Along with marked-up drawings and installation diagram of double steel commercial doors, prepared by National Certified Testing Laboratories Inc., Test Report No. NCTL-210-03-0514-11, dated August 31, 2004, NCTL 210-03-3511-1 dated 04/09/08 and NCTL 210-03-3549-1 dated 08/26/08, all signed and sealed by Gerry Ferrara, P.E.
   Note: Test report No(s): NCTL210-3549-1 and NCTL210-3511-1 have been revised by an addendum letter, issued by Lab, dated Feb. 04, 2009, signed & sealed by Gerard J. Ferrara, P.E.

Ishaq L. Chanda, P.E.
Product Control Examiner
NOA No. 18-0510.05
Expiration Date: May 05, 2020
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NOTICE OF ACCEPTANCE:  EVIDENCE SUBMITTED

C.  CALCULATIONS:
1.  None.

D.  QUALITY ASSURANCE BY
1.  Miami Dade Department of Regulatory and Economic Resources (RER).

E.  MATERIAL CERTIFICATIONS:
1.  None.

F.  STATEMENTS:

G.  OTHER
1.  This NOA revises & replaces NOA #17-1206.03, expiring on 05/05/20.

Ishaq I. Chanda, P.E.
Product Control Examiner
NOA No. 18-0510.05
Expiration Date: May 05, 2020
Approval Date: September 13, 2018
### Table 1

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**NOTES:**

1. **ANCHOR REQUIREMENTS:** SEE SHEETS 5, 6, 14 & 15 FOR TYPICAL FRAME LOCK-IN WELDED OR EMA ANCHORS.

2. **FRAME WIRE OR T MASONRY, OR FRAME STUD ANCHORS.**

3. **SEE SHEET 6 INSTALLATION REQUIREMENTS ON SHEETS 5, 6, 14 & 15.**

4. **HINGE REQUIREMENTS:**

   - FOR DOOR OPENINGS UP TO 96" HIGH X MIN. (2) HINGE BATTENS.
   - FOR DOOR OPENING OVER 96" HIGH X MIN. (3) HINGE BATTENS.

5. **LOCATION:** 3 7/8" FROM RABBET IN HEAD TO TOP OF TOP HINGE.

6. **MAXIMUM SPACE TO EXCEED 30 1/2" FOR THREE HINGES.**

7. **APPLY CALL OUT TO FULL LENGTH OF STL AND ENTIRE PERIMETER OF FRAME.**

8. **SEE SHEET 6 FOR SECTION AA & BB.**

9. **EXIT HARDWARE OPTIONS:** FUNCTIONS E, LX, LL, E/LL, EL, ELL (SEE NOTE 11)

10. **INSTALL ALL APPLICABLE TRIM AVAILABLE.**

11. **ELECTRICAL INSTALLATION AND FIRE RATING ARE UNDER SEPARATE APPROVAL AND MUST BE REVIEWED BY CORRESPONDING AUTHORITY.**

12. **OPTIONAL POWER TRANSFORMERS, MONITORING SWITCHES, SUPPLEMENTARY MAGNETIC LOCKS MAY BE USED AS ALLOWED BY CODE AND IT DOES NOT EFFECT THE MECHANICAL PROPERTIES OF EXIT DEVICES/AND OR INHERENT EGRESS TO BE ERRED BY CORRESPONDING AUTHORITY.**

13. **WEATHERS TRIPPING WHEN WATER INFECTION IS REQUIRED INSTALL PER SHEETS 7 AND 8**

14. **WHEN WATER INFECTION IS NOT REQUIRED INSTALL PER SHEETS 9, 10 AND 11.**
(A) EXPANDED POLYSTYRENE FOAM BY ATLAS EPS
DENSITY: 1.0 LBS/FT³

(B) POLYISOCYANURATE (POLYURETHANE)
BY ELLIOT CO. OF INDIANAPOLIS, IN.
DENSITY: 2 LBS/FT³

(C) STEEL STIFFENED HAT SHAPED SECTIONS

(D) HONEYCOMB KRAFT PAPER.

(E) TEMPERATURE RISE CORE MINERAL FIBER BOARD
DENSITY: 17±1.5 LBS/FT³
OR MARSHFIELD DOOR SYSTEMS CALCIUM SILICATE MINERAL CORE

(F) EXPANDED POLYSTYRENE FOAM BY ATLAS EPS DENSITY: 1.0 LBS/FT³
OR POLYISOCYANURATE (POLYURETHANE)
BY ELLIOT CO. OF INDIANAPOLIS, IN.
DENSITY: 2 LBS/FT³

NOTES:
1. CORE MATERIAL SHOWN WITHOUT CUTOUTS FOR REINFORCEMENTS

REVISIONS

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CONTINUOUS HINGE NOTES:
1. QUANTITY OF SCREWS VARIES PER HINGE LENGTH, MANUFACTURER AND MODEL NUMBER
2. SCREW SPACING VARIES PER HINGE LENGTH, MANUFACTURER AND MODEL NUMBER
3. INSTALL HINGES PER THE MANUFACTURER'S INSTALLATION INSTRUCTIONS