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 glazed Outswing Commercial Steel Door w/wo Panic Exit-LMI

**Approval Document:** Drawing No IRGS07 Rev M, titled "Steelcraft H series Single outswing glazed", sheets 1 through 16 of 16, prepared by the manufacturer, dated 05-20-07 and last revised on 03/08/18, signed and sealed by Hernes 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 sheets 1 & 2 for door sizes VS Design Pressure (DP), Hardware & DLO (Day light Opening). See sheets 5 and 6 for door sizes VS threshold types, brand and water infiltration limitations. Lower design Pressure shall control.
3. 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 preceding 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 & renews NOA #17-0320.05 and consists of this page 1 and evidence pages E-1, E-2, E-3 and E-4, as well as approval document mentioned above.

The submitted documentation was reviewed by Ishaq I. Chanda, P.E.
1. Evidence submitted under previous approvals

A. DRAWINGS
1. Manufacturer's parts and sections drawings (Submitted under file as below).
2. Drawing No IRGS07 Rev L, titled “Steelcraft H series Single outswing glazed”, sheets 1 through 15 of 15, prepared by the manufacturer, dated 05-20-07 and last revised on 08/10/15, signed and sealed by Thomas Gordon, P.E.

B. TESTS (Submitted under files #15-0826.22 #13-1217.14/#12-0305.16/#10-0209.09/#07-0829.06)
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.
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
   1) Uniform Static Air Pressure Test, Loading per FBC TAS 202-94.
   2) Water Resistance Test per FBC TAS 202-94
   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) 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 flush outswing steel doors, marked by National Certified Testing Lab, Test Reports No. NCTL-210- 3580-2, dated March 25, 2009, signed and sealed by Gerry Ferrara, P. E.

Ishaq I. Chanda, P.E.
Product Control Examiner
NOA No. 17-0426.01
Expiration Date: May 05, 2023
Approval Date: March 22, 2018

E - 1
NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

B. TESTS (continue)
5. Test report on (submitted under file # 07-0829.06)
   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

Note: Test report CTLA-1035W has been revised by an addendum letter dated Feb 20, 2009, signed and sealed by Ramesh Patel, P.E.
Along with manufacturer's parts and section drawings of glazed outswing double steel doors, marked by Certified Testing Lab, Test Reports No(s). NCTL-210-3232-1 dated 02/24/06 and NCTL-210-3357-1 dated Dec 28, 2006, signed and sealed by Gerard J. Ferrara, P.E.

C. CALCULATIONS: (Submitted under file # 15-0826.22)
1. Anchor verification calculation complying w/ FBC 2014(5th Edition) dated 08/10/15, prepared, signed & sealed by Thomas Gordon., P.E.
2. Hinge Load Evaluation report dtd 01/04/04, prepared, signed & sealed by Thomas Gordon, P.E.
   (Submitted under file # 10-0209.09)

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

E. MATERIAL CERTIFICATIONS (submitted under files #12-0305.16/# 10-0209.09)
2. Notice of Acceptance No. 11-0624.02 issued to E.I. DuPont DeNemours & Co., Inc. for their “DuPont Sentry Glass® interlayer”, expiring on 01/14/17.
5. Test Report No. 12-11177, Nov 29, 2012, issued by Commercial Testing Co. for “Surface Flame spread & Smoke density Characteristics of Building material” per ASTME84-12 for “Elofoam P200”, issued to Elliott Co. of Indianapolis Inc.

Ishiq I. Chanda, P.E.
Product Control Examiner
NOA No. 17-0426.01
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E. MATERIAL CERTIFICATIONS (continue)
6. Test Report No. 16206-122543 (1015P200(3)), dated November 29, 2004 for “Surface Burning Characteristics of Bldg material” per ASTME84 and self-Ignition per ASTM1929D for “Polyisocyanurate” issued by Omega Point Laboratories, Inc. to Elliot Co., Indianapolis, IN.
7. Tensile test report # CTLA-776W (0194H), dt 02/25/02 prepared by CTL, Architectural Division, sheet samples, tested per ASTM E8, signed & sealed by Ramesh Patel, P.E.
8. Tensile Test report No: A103W1-Test 1, 2 & 3 dated 23 APR 03 per ASTM-E8 for steel face sheet, prepared by Certified Testing laboratory, signed and sealed by Ramesh Patel, P.E.
9. Test Report No. 3094867SAT-001, April 13, 2006, issued by Intertek for “Surface Burning Characteristics of Building material” per ASTME84 and self-Ignition per ASTM1929D for “EPS”, issued to Falcon Foam, a Div of Atlas Roofing, re-named as “ATLAS EPS”.

F. STATEMENTS: Items #1 submitted under #15-0826.22, balanced items submitted under files #12-0305.16/ #10-0209.09
1. Letter of conformance to FBC 2014 and “No financial interest”, dated 08/18/15, 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
6. Statement letter of conformance to FBC 2007 and no financial interest, dated June 08, 2008, prepared, signed and sealed by Gordon Thomas, P.E
7. Laboratory Compliance Statements issued as part of above test reports.
9. 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/ marked-up drawings, signed and sealed by Ramesh Patel, P.E.
10. 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 renews NOA #15-0826.22, expiring on 05/05/18.
2. Request for 1-Year renewal by Schlage Company dated 04/20/17, signed by James Donlan.
3. Test proposals # 14-0252, -0254, #14-1086, #14-0254-R1 and #12-0797R approved by RER.
4. Consolidation Test proposal # 06-2468, dated 04/27/07 approved by BCCO.

Ishaq I. Chanda, P.E.
Product Control Examiner
NOA No. 17-0426.01
Expiration Date: May 05, 2023
Approval Date: March 22, 2018
NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED


A. DRAWINGS
1. Drawing No IRGS07 Rev M, titled “Steelcraft H series Single outswing glazed”, sheets 1 through 16 of 16, prepared by the manufacturer, dated 05-20-07 and last revised on 03/08/18, signed and sealed by Hermes F. Norero, P.E.

B. TESTS
1. Test report on Air Infiltration Test, per TAS 202-94
   2) Uniform Static Air Pressure Test, Loading per TAS 202-94
   3) Forced Entry Test, per PA 202-94

Along with manufacturer's parts and section drawings of doublele outswing steel doors w/ 3-Hinges per leaf, marked by Certified Testing Lab, Test Reports No(s). CTLA-1035W-2 dated February 11, 2013, signed and sealed by Ramesh Patel, P.E.

Along with manufacturer's parts and section drawings of outswing double steel doors, marked by Certified Testing Lab, Test Reports No(s). CTLA 3064-W-7 dated 01/12/16 w/ brass butt Hinges & Zero 568A threshold per TAS 201, TAS 202 & TAS 203, signed and sealed by Ramesh Patel, P.E.

Along with manufacturer's parts and section drawings of outswing double steel doors with GNP weather-shields, marked by National Certified Testing Lab, Test Reports No(s). NCTL-210-35491-1 dated 08/26/08 per TAS 201, TAS 202 & TAS 203, signed and sealed by Gerard J. Ferrara, P.E.

Along with manufacturer's parts and section drawings of outswing Single steel doors w/ GNP 950, marked by Certified Testing Lab, Test Reports No(s). CTLA 3064-W-8, -9, -13, -14 (Falcon-T) & W-15 per TAS 201, TAS 202 & TAS 203, all dated 01/08/16, signed and sealed by Ramesh Patel, P.E.

Along with manufacturer's parts and section drawings of outswing double steel doors, marked by Certified Testing Lab, Test Reports No(s). CTLA 3064-W-10 (Zero 566A), -12 (Zeo566A), and W -14 per TAS 201, TAS 202 & TAS 203, all dated 01/08/16, signed and sealed by Ramesh Patel, P.E.

C. CALCULATIONS
1. Anchor verification calculation complying w/ FBC 2017(6th Edition) dated 04/04/17 and last revised on 02/05/18, prepared by Building Drops, signed & sealed by Hermes F. Norero, P.E.

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

E. MATERIAL CERTIFICATIONS

F. STATEMENTS

2. Statement letter of adopting another Engineer’s work per Florida Rules 61G615-27 dated March 14, 2017, prepared by Building Drops, signed & sealed by Hermes F. Norero, P.E.

G. OTHER
1. This NOA revises NOA # 17-0320.05, expiring 05/05/2023.

2. Test proposals # 14-0253-R dated 10/16/14, #14-0254-R-1 dated 10/16/14 and #14-0255 dated 09/25/14.

Ishaq I. Chanda, P.E.
Product Control Examiner
NOA No. 17-0426.01
Expiration Date: May 05, 2023
Approval Date: March 22, 2018
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<th>Door Configuration</th>
<th>Maximum Design Pressure, PSF</th>
<th>Maximum Door Opening Size, in. (NOTE 3)</th>
<th>Maximum DLO Size. In. (NOTE 5)</th>
<th>Locking Hardware Description</th>
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**NOTES:**
1. SEE SHEETS 10, 11 & 12 FOR LOCKING HARDWARE.
2. DOOR CONFIGURATIONS 9 AND 9A ARE RATED FOR MAXIMUM DESIGN PRESSURE UP TO 475 PSF WITH ZERO INTL. THRESHOLD 12A OR FOR DOOR OPENINGS UP TO 3'-0" X 7'-0" WITH NWP THRESHOLD 12A AND ≥ 50 PSF FOR DOOR OPENINGS UP TO 4'-0" X 8'-0" WITH NWP THRESHOLD 12B WHEN WATER INFILTRATION REQUIREMENT IS NEEDED. SEE SHEET 5
3. DOOR CONFIGURATIONS 9 AND 9A ARE RATED FOR A MAXIMUM DESIGN PRESSURE UP TO 475PSF WITH ZERO INTL. THRESHOLD OPTIONS AND UP TO ±100 PSF WITH NWP THRESHOLD OPTIONS WHEN WATER INFILTRATION REQUIREMENT IS NOT NEEDED. SEE SHEET 6
3. DLO - DAYLIGHT OPENING, SAME AS EXPOSED GLASS. SEE SHEETS 1, 2, 8 & 9 FOR GLAZING TYPES, DETAILS AND LIMITATIONS.
A. Masonry Anchor
- Masonry Anchor (fixed or adjustable)
  - Frame to be filled
  - Masonry blocks 1/4" max.

B. Wood Stud Anchor
- Wood Stud Anchor (Up to 100 PSF)
  - Wood stud walls see note 1.
  - Masonry wall blocks 1/4" max.
  - Wire anchor 4/7.066"
  - Wire Anchor 5.9 X 0.96"

C. Steel Stud Anchor
- Steel Stud Anchor (Up to 100 PSF)
  - #12 SMS max. 6 per anchor
  - Steel stud anchor weld-in or lock-in

D. Existing Masonry Anchor (EMA)
- In concrete or CMU (Up to 100 PSF)
  - Holz or Holz

E. Existing Masonry Anchor (EMA)
- With Lag Bolt into Wood Stud Wall (Up to 100 PSF)
  - #10 max.
  - Concrete masonry side view single outrigger

REVISIONS
- LTR DESCRIPTION DATE APPROVED
  - D Revised DVG YMF 06/30/08
  - E Revised DVG YMF 07/30/09
  - F Revised DVG YMF 08/30/09
  - G Revised DVG YMF 08/05/10
  - H Revised DVG YMF 04/09/10
  - J Revised Name JPD 10/01/13
  - K Revised DVG JPD 06/10/15
  - L Revised DVG JPD 05/05/15
  - M Engineer Change LA 02/12/17

CONCRETE Lintel shown may vary per wall construction

DETAIL TH
- SILL INSTALLATION SIDE VIEW SINGLE OUTRIGGER
- 2" min. embedment

CONCRETE WOOD
- 1/4" x 3/4" tapcon or #4 X 3/4" max.

SILL INSTALLATION SIDE VIEW SINGLE OUTRIGGER
- 1.50" min. embedment
- 2.5" min. edge distance (E.D.) into concrete (3 ksi max.)

SILL INSTALLATION SIDE VIEW SINGLE OUTRIGGER
- 1.25" min. edge distance (E.D.) into concrete (3 ksi max.)

MANUFACTURING FACILITY
- SOLOBE Lock Company, LLC
  - 6850 Hillside Court
  - Indianapolis, IN 46250

REV
- M

FRAME ANCHOR DETAILS & INSTALLATION CONDITIONS.
NOTES:
1. DOOR CONSTRUCTION
2. NOMINAL DOOR THICKNESS = 1 3/4"
3. ALL GLASS LITE TYPES SHOWN ON THIS SHEET ARE AVAILABLE FOR ALL DOOR CONFIGURATIONS SHOWN ON SHEET 1 AND TABLE 1 SHEET 2 EXCEPT FOR CONFIGURATIONS 9, 9A, 10 AND 10A. SEE NOTE 4.
4. DOOR CONFIGURATION 9 AND 10 AVAILABLE WITH 'Y' VISION LITE AND 9A AND 10A ARE AVAILABLE WITH NS, N4 AND NS TYPE LITES. (SEE TABLE 1 SHEET 2)
5. MAXIMUM GLAZING DLO HEIGHT AND WIDTH AS PER SHEETS 1, 2, AND 8.
6. GLAZING OPENING DLO SIZE WILL CHANGE IN PROPORTION WITH DOOR SIZE (SEE TABLE 1 SHEET 2 FOR LIMITATIONS)
7. DOOR SIZE MAY VARY, SUBJECTED TO COMPLIANCE WITH FLORIDA BUILDING CODE AND PRODUCT AVAILABILITY FROM MANUFACTURER.
8. GLASS LITES NOT LIMITED TO THOSE SHOWN, PROVIDED DIMENSIONS SHOWN ARE MAINTAINED. (SEE TABLE 1 SHEET 2)
9. DOORS WITH MULTIPLE GLASS LITES ARE NOT LIMITED TO THE DESIGNS SHOWN, PROVIDED THE DIMENSIONS SHOWN ARE MAINTAINED. (SEE TABLE 1 SHEET 2 FOR LIMITATIONS)
10. WHEN USING A CONTINUOUS HINGE THE MINIMUM DISTANCE FROM THE EDGE OF THE DOOR TO EXPOSED GLASS IS 6-1/4" AT STILES AND 7-1/2" AT MID RAILS.
11. DLO = DAYLIGHT OPENING (SEE TABLE 1 SHEET 2 FOR LIMITATIONS)
NOTES:
1. FOR MAXIMUM DOOR OPENING, UNIT WIDTH AND GLASS (DLO) SIZE, SEE TABLE 1 ON SHEET 2 AND SHEETS 8 & 9 FOR LIMITATIONS.
2. SEE SHEET 4 FOR ANCHOR INSTALLATION AND SILL INSTALLATION DETAILS.
NOTES:
1. FOR MAXIMUM DOOR OPENING SIZE AND GLASS (DLO) SIZE, SEE TABLE 1 ON SHEET 2 AND SHEETS 8 & 9 FOR LIMITATIONS.
2. SEE SHEET 4 FOR ANCHORS INSTALLATION AND SILL INSTALLATION DETAILS.
NOTES:
1. CORE MATERIAL SHOWN WITHOUT CUTOUTS FOR REINFORCEMENTS
STEEL BUTT HINGE
IVES 5BB/3CB1
STANLEY FBB179/1900
HAGER B81279
4.5" X 4.5" STD. WT. MIN.
.134" MIN. THICKNESS
Fy Min. = 36ksi

CONTINUOUS HINGE
IVES 12HD & 224HD
STANLEY 661HD
SELECT SL11HD
PEMCO FM-HD SERIES
HAGER 780-224HD
ABH A240HD
ALUMINUM 6036-T6 MIN
.110" MIN. THICKNESS

STEEL CONTINUOUS HINGE
IVES 600
.075 (14GA) MIN. THICKNESS
1012 COLD ROLLED STEEL
Fy Min. 45ksi
STAINLESS STEEL CONTINUOUS HINGE
IVES 700, 700CS
HAGER 790-900
MARKAR FM-300 & HG305
ABH A500
.075" (14GA) MIN. THICKNESS
304 STAINLESS STEEL
Fy Min. 31ksi

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 MANUFACTURERS INSTALLATION
   INSTRUCTIONS

15 MIN. 12-24x3/4" FLAT HEAD UNDERCUT SELF DRILLING SCREW DOOR LEAF
(18 MIN.) #10-24 X 1/2" MIN. MACHINE SCREW OR SELF DRILLING EACH HINGE LEAF, QUANTITY VARIES PER HINGE LENGTH
12-24 x 1-3/8" FLAT HEAD UNDERCUT SELF DRILLING SCREW FRAME LEAF
QUANTITY VARIES PER HINGE LENGTH

ANEMOSTAT SG-10 HIGH SECURITY METAL VISION FRAME
SEE SHEET 9 AND GLAZING DETAIL F AND ITEM 18-4
(TABLE 2) SHEET 3

REVISIONS

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