Republic Doors and Frames, Inc.
155 Republic Dr.
Mckenzie, TN 38201

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: Republic H Series Double glazed Outswing Commercial Steel Door w/wo Panic Exit-LMI

APPROVAL DOCUMENT: Drawing No RDGD07 Rev L-1, titled “Republic H series Double outswing glazed”, sheets 1 through 20 of 20, prepared by the manufacturer, dated 05-20-07 and last revised on 03/20/19, 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 Design Pressures, Sizes, Hardware, DLO (Day light Opening) limitations in sheets 1, 2, 10 & 12, See sheets 5, 6, 7 & 8 for door sizes VS threshold types, brand and water Rating limitations. Lower design Pressure shall control the entire assembly.
2. New Von Duprin HH9954 mullion must meet min thk. & strength as listed in sheet 13. See Hollow mullion in sheet 9. Drop-in or expansion mullion anchor assembly must be from the anchor manufacturer (No substitution parts permitted).
3. See limitations of DLO (vision) for elevation configurations 3A (V-vision) and 3B (N3, N4 & N5) in sheet 10.
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, city, state 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 revision NOA #17-0426.03 (PLA) 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.

NOA No. 19-0327.03
Expiration Date: May 05, 2023
Approval Date: April 18, 2019
Page 1
NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

1. Evidence submitted under previous approvals

A. DRAWINGS
1. Manufacturer's parts and sections drawings (Submitted under file as below).
2. Drawing No IRGD07 Rev K, titled "Steercraft H series Double outswing glazed", sheets 1 through 17 of 17, prepared by the manufacturer, dated 05-20-07 and last revised on 08/30/15, signed and sealed by Thomas Gordon, P.E.

B. TESTS (Submitted under files #15-0930.04/#13-1217.15/#12-0305.15/ #10-0209.08/#07-0829.03)
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 on
   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.

Ishag L. Chanda, P.E.
Product Control Unit Supervisor
NOA No. 19-0327.03
Expiration Date: May 05, 2023
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NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

B. TESTS (continue)
   5. Test report on (Submitted under file # 07-0829.03)
      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 #15-0930.04)
   1. Anchor verification calculations per FBC 2014 (5th Edition) dated 08/30/15, 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.

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

E. MATERIAL CERTIFICATIONS (items 6 thru 9, submitted under file # 10-0209.09)
   6. Test Report No. 16206-125243 (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 Elliot Co., Indianapolis, IN.
   7. 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.

[Signature]
Ishaq I. Chanda, P.E.
Product Control Unit Supervisor
NOA No. 19-0327.03
Expiry Date: May 05, 2023
Approval Date: April 18, 2019

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NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

E. MATERIAL CERTIFICATIONS (continue)
8. Tensile Test report No. A103W1-Test 1, 2 & 3 dated 23 APR 03 per ASTM E-8 for steel face sheet, prepared, signed by Certified Testing laboratory and issued 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 ASTM E84 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 items submitted under files referenced above.
1. Letter of conformance to FBC 2014 (5th Edition), dated 08/30/15, 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 FEB 03, 2010, prepared, signed and sealed by Gordon Thomas, P.E.
7. Laboratory Compliance statement issued as part of the above test reports.
8. Addendum letters dated Feb 20, 2009 for test reports Test report CTLA-1035W, issued by Certified Testing lab, signed and sealed by Ramesh Patel, P.E.
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 #15-0930.04, 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.
5. Previously consolidates NOA #1(s) associated with this files are #13-1217.15, #10-0209.08, 07-0829.05, 03-0908.03, 04-0303.03, 05-0325.02, 08-0508.07 and 08-0715.03.

2. Evidence submitted under file #17-0426.03.
A. DRAWINGS
1. Drawing No IRF-D07 Rev N, titled “Steelcraft H series Double Flush outswing”, sheets 1 through 17 of 17, prepared by the manufacturer, dated 05-20-07 and last revised on 04/25/18, signed and sealed by Hermes F. Norero, P.E.

Ishaq E. Chanda, P.E.
Product Control Unit Supervisor
NOA No. 19-0327.03
Expiration Date: May 05, 2023
Approval Date: April 18, 2019
Republic Doors and Frames, Inc.

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

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 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.

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.

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.

2. Additional verification test NCTL-210-3549-1 for VonDuprin HH9954 mullion per TAS 202, 201 & 203, issued by National Certified Testing, signed & sealed by Gerry Ferrara, P.E.

3. Additional Reference test report No.CT-1A-1107W for strap anchor qualification.

C. CALCULATIONS:
1. Anchor verification calculation complying w/ FBC 2017(6th Edition) dated 04/04/2017 and last revised on 04/09/2018, prepared by Building Drops, signed & sealed by Hermes F. Norero., P.E.

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

E. MATERIAL CERTIFICATIONS:
1. Notice of Acceptance No. 17-0808.02 issued to Kuraray America, Inc. (Former E.I. DuPont DE Nemours & Co., Inc. for the “Sentry Glass® (Clear and White) Glass Interlayers”, expiring on 07/04/23.


F. STATEMENTS:
1. Letter statement dated April 03, 2018, issued by Allegion for future catalog update and inclusive of the upgrading of Von Duprin HH 9954 mullion, signed by Jim Donlan, Compliance Engineer.


3. Letter of adoption of another Engineer’s work per FLA rule 61G15-27, dated 03/14/2017, prepared by Building Drops, Inc., signed and sealed by Hermes F. Norero, P.E.

G. OTHER
1. This NOA revives & renews NOA #17-0320.07, expiring on 05/05/23.

2. Test proposals #14-0251, #14-0252-R, 14-0253, #14-0254-R1, #14-1086 and #12-0797R approved by RER. Consolidation Test proposal # 06-2468, dated 04/27/07 approved by BCCO.


4. Allegion’s (Schlage/ Former Ingersoll-Rand) future updated HH9954 Von-Duprin Mullion catalog.

Ishaq I. Chanda, P.E.
Product Control Unit Supervisor
NOA No. 19-0327.03
Expiration Date: May 05, 2023
Approval Date: April 18, 2019

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NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED


A. DRAWINGS
   1. Drawing No RDGD07 Rev L-1, titled “Republic H series Double outswing glazed”, sheets 1 through 20 of 20, prepared by the manufacturer, dated 05-20-07 and last revised on 03/20/19, signed and sealed by Hermes F. Norero, P.E.

B. TESTS (submitted under PLA NOA #17-0426.03)
   1. None.

C. CALCULATIONS (submitted under PLA NOA #17-0426.03)
   1. None.

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

E. MATERIAL CERTIFICATIONS
   1. Notice of Acceptance No. 17-0808.02 issued to Kuraray America, Inc. (former E.I. DuPont DeNemours & Co., Inc.) for the “Kuraray Sentry Glass @ Interlayer”, expiring on 07/4/23.

F. STATEMENTS
   2. Private label agreement dated 02-27-2019 between Schlage Lock Company, LLC (MFG) and Republic Doors and Frames, Inc.(FL), signed by Earl Delph, Manager and Donald Dunaway, Leader on behalf of the respective companies.

G. OTHER
   1. This NOA revises PLA NOA #17-0426.03, expiring 05/05/2023.

Ishaq I. Chanda, P.E.
Product Control Unit Supervisor
NOA No. 19-0327.03
Expiration Date: May 05, 2023
Approval Date: April 18, 2019
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<th>Maximum Design Pressure, PSF</th>
<th>Maximum Door Opening Size, in.</th>
<th>Maximum Exposed Glass Size, in.</th>
<th>Locking Hardware Description</th>
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**NOTES:**
1. SEE SHEETS 12, 13, 14 & 15 FOR LOCKING HARDWARE. FOR DOOR CONFIGURATIONS 10 & 11 INACTIVE LEAF REQUIRES IVE'S SB360 SURFACE BOLT TOP AND BOTTOM.
2. DOOR CONFIGURATIONS 3A & 3B ARE RATED FOR MAXIMUM DESIGN PRESSURE UP TO 75 PSF WITH ZERO INTL THRESHOLD 12A WHEN WATER INFILTRATION REQUIREMENT IS NEED. SEE SHEET 5.
3. DOOR CONFIGURATIONS 7 & 8 ARE FOR USE ON TWO DOORS WITH FIXED HOLLOW METAL MULLION.
4. * DLO - DAYLIGHT OPENING, SAME AS EXPOSED GLASS OR FINISHED OPENING. SEE SHEETS 10 & 11 FOR GLAZING TYPES, DETAILS AND LIMITATIONS.
TABLE 4.2 PERIMETER SEAL HARDWARE - NGP THRESHOLD

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NGP 950 THRESHOLD GASKETING SYSTEM REQUIREMENTS WHEN WATER INfiltrATION IS NOT REQUIRED - MAXIMUM DESIGN PRESSURE 80 PSF FOR MAXIMUM DOOR SIZE OF 4'0" X 8'0" (SEE ELEVATIONS SHEET 1)

FOR CONFIGURATIONS: 1, 2, 3A, 3B, 6 & 8 (SEE ELEVATIONS SHEET 1)

FOR CONFIGURATIONS: 4 & 5 (SEE ELEVATIONS SHEET 1)

FOR CONFIGURATIONS: 7 & 9 (SEE ELEVATIONS SHEET 1)

FOR CONFIGURATIONS: 10 & 11 (SEE ELEVATIONS SHEET 1)

NOTES:
1. SLOT LOCATIONS MAY VARY WITH DIFFERENT DOOR WIDTH.
2. DOOR SWEEP RIGID SECTION IS MADE OF PRO-FAX IPS-159 POLYPROPYLENE HOMOPOLYMER.
3. DOOR SWEEP FLEXIBLE SECTION IS MADE OF SANTROFLEX 810-73.
4. FAS-DOOR SEAL SWEEP (15), DOOR SEAL (14A), AND THRESHOLD (12B) AS APPLICABLE, ARE REQUIRED FOR ALL INSTALLATIONS.
5. SEAL ALL JOINTS WHERE FRAME WETS WALL WITH BUTYL RUBBER OR 100% SILICONE CAULK.
6. INSTALL THRESHOLD INTO BEAD OF BUTYL, RUBBER OR 100% SILICONE CAULK FULL LENGTH OF SILL.

REV SIONS

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EXIT HARDWARE OPTIONS:
F-25-C & (F)25-V SERIES - FUNCTIONS AE, DM, LM, LS, KOR, ED, EL, EA, FSA, FSE, HWEA
TRIMS: ALL APPLICABLE TRIMS AVAILABLE.

NOTE: ELECTRICAL FUNCTIONS/INSTALLATION AND FIRE RATINGS ARE NOT PART OF THIS APPROVAL AND TO BE REVIEWED AND APPROVED BY BUILDING OFFICIAL.
(A) Expanded Polystyrene Foam by ATLAS EPS
   Density: 1.0 Lbs/ft³

(B) Polyisocyanurate (Polyurethane)
   By ELIOT 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
   Pyrofibric Systems Ltd
   Pyrofibric PSL P250-60 Core
   or
   Marshfield Door Systems
   Calcium Silicate Mineral Core

(F) Expanded Polystyrene Foam
   By ATLAS EPS: Density 1.0 Lbs/ft³
   or
   Polyisocyanurate (Polyurethane)
   By ELIOT CO. OF INDIANAPOLIS, IN
   Density: 2 Lbs/ft³

REVISIONS

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NOTES:
1. Core material shown without cutouts for reinforcements
STEEL BUTT HINGE
IVES 5881/3CB1
STANLEY FBB179/1900
HAGER B81279
4.5" X 4.5" STD. WT. MIN.
.134" MIN. THICKNESS
Fy Min. = 36ksi

CONTINUOUS HINGE
IVES 112HD & 224HD
STANLEY 661HD
SELECT SL11HD
PEMKO FM_HD SERIES
HAGER 780-224HD
ABH A240HD
ALUMINUM 6036-T6 MIN.
.110" MIN. THICKNESS

(15 MIN.) 12-24x3/4" FLAT HEAD UNDERCUT SELF DRILLING SCREW DOOR LEAF
(15 MIN.) 12-24x1-1/2" FLAT HEAD UNDERCUT SELF DRILLING SCREW FRAME LEAF
QUANTITY VARIES PER HINGE LENGTH

10.38" MAX.
ON CENTER TYP.

2.75" MAX.
FROM CORNER TYP.

(18 MIN.) #10-24X1/2" MIN.
MACHINE SCREW OR SELF DRILLING EACH HINGE LEAF
QUANTITY VARIES PER HINGE LENGTH

34.25" MAX.
ANEMOSTAT SO-10 HIGH SECURITY METAL VISION FRAME
SEE SHEET 11 ITEM 19-4
AND GLAZING DETAIL F
AND SHEET 3 ITEM 19-4

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

REVISIONS

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