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 Series H16-4 FL 8080 Double Outswing Commercial Steel Louvered Doors-LMI

APPROVAL DOCUMENT: Drawing No RD 882W-2 Rev I-1, titled “Republic H16-4 FL 8080 Double Doors (outswing)”, sheets 1 through 12 of 12, prepared by the manufacturer, dated 08-12-02 and last revised on 03/20/2019, 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 Missile Impact Resistant

Limitations:
1. See Design Pressure in sheet 1. Air infiltration, Water resistance and Fire ratings are not part of this approval.
2. See sheets 5 and 6 for installation, sheet 8 for threshold, sheet 9 for lock and sheet 10 for hinges options.
3. Door opening is limited to max. 98”x98” for double doors and max. 48”x96”H for single doors.
4. Electrical/Electronic function is 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 revises NOA #17-1206.02 (PLA) and consists of this page 1 and evidence pages E-1, E-2, E-3, E-4 & E-5, as well as approval document mentioned above.

The submitted documentation was reviewed by Ishaq I. Chanda, P.E.
NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

1. Evidence submitted in previous files

A. DRAWINGS
1. Manufacturer's parts and sections drawings (Submitted under files listed below).
2. Drawing No 882W-2 Rev H, titled "Steelcraft H16-4 FL 8080 Double Doors (outswing)", sheets 1 through 12 of 12, prepared by the manufacturer, dated 08-12-02 and last revised on 09/07/15, signed and sealed by Thomas Gordon, signed and sealed by Thomas Gordon, P.E.

B. TESTS (Submitted under files #13-1205.06/ 13-1007.06/ #12-0305.09)
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 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. (#14-0827.04)
2. Test report on 1) Air Infiltration Test, per TAS 202-94(Not conducted)
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 FBC, TAS 202-94

Along with manufacturer's parts and section drawings of double outswing Louvered steel doors w/Anemostat Louver (PLSL) and National Guard Louver (L-VRSG-2) kit, marked by Element Material TechnologyInc., Test Reports No. ESP01330P-2 dated April 16, 2013 and Single steel louvered door w/ Air Louver (1500-A), Test Reports No. ESP01330P-1 dated April 16, 2013, both signed & sealed by Ramesh Patel, P.E.

Note: The above test reports have an addendum letter, issued by test lab, dated July 11, 2014, signed and sealed by Ramesh Patel, P.E.
3. Test report on
1) Air Infiltration Test, per TAS 202-94(Not conducted)
2) Water Resistance Test per FBC TAS 202-94(Not conducted)
3) 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 marked-up drawings and installation diagram of a louvered commercial steel door system w/Air Louver, Inc.-1500A steel louver, National Guard Products L-VRSG-2 Air Louver steel louver blades,an Anemostat PLSL fixed blades louver insert, all prepared by Certified Testing Laboratories, Test Reports No. CTLA-882W-2, dated August 29, 2002 and CTLA-1107W-2, dated September 5, 2003 for Anemostat FDL-UL-SGI fusible link louver insert , both signed and sealed by Ramesh Patel, P.E.(submitted under NOA # 08-0908.20/#03-0327.02)
4. Reference test reports CTLA 776W-1 and CTLA 1035W-2 for anchor qualifications.

Ishaq I. Chanda, P.E.
Product Control Unit Supervisor
NOA No. 19-0327.08
Expiration Date: November 13, 2023
Approval Date: May 02, 2019
Republic Doors and Frames, Inc.

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

C. CALCULATIONS:
1. Anchor verification calculation and analysis dated 09/26/15, prepared, signed & sealed by Thomas Gordon, P.E.
2. Hinge Load Evaluation report dated 01/04/04, prepared, signed & sealed by Thomas Gordon, P.E. (submitted under #09-0929.04)

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

E. MATERIAL CERTIFICATIONS (#14-0827.04/#13-1205.06/#11-0921.12)
1. Tensile test report # CTLA-0244W, dated 04/12/13 prepared by CTL Architectural Division, steel sheet samples, tested per ASTM E8, signed & sealed by Ramesh Patel, P.E.
2. 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”.
3. Tensile Test report No. A103W1-Test 1, 2 & 3 dated 23 APR 03 per ASTME-8 for steel face sheet, prepared by Certified Testing laboratory, signed and sealed by Ramesh Patel, P.E.
4. Test Report No. 16206-122543 (1015P200(3)), dated November 29, 2004 for “Surface Burning Characteristics of Building material” per ASTME84 and self-Ignition per ASTM1929D for “Polyisocyanurate” issued by Omega Point Lab, Inc. to Elliot Company, Indianapolis, IN.
5. Material Safety Data Sheet for “Pyrophoric core PSL P250-C60” manufactured by Pyrophobic System LTD, Canada.

F. STATEMENTS: Except items #1, all the balanced other items submitted under files listed above.
1. Letter of conformance to FBC 2014 (5th Edition), dated 03/18/15, prepared, signed and sealed by Gordon Thomas, P.E.
2. Letter of conformance to FBC 2010, dated 08/03/14, prepared, signed and sealed by Gordon Thomas, P.E.
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
7. Letter of conformance to FBC 2007 & 2010 “No financial interest” dated 09/30/11, signed and sealed by Gordon Thomas, P.E.
8. Laboratory Statement of compliance, part of the above referenced test reports.

Ishaq I. Chanda, P.E.
Product Control Unit Supervisor
NOA No. 19-0327.08
Expiration Date: November 13, 2023
Approval Date: May 02, 2019
NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

F. STATEMENTS (continue):
10. Addendum letter dated Jan 20, 2011, issued by Certified Testing Lab confirming testing of Alum continuous hinges w/ marked-up drawings, signed and sealed by Ramesh Patel, P.E.
11. 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.

G. OTHER (Except items #1, all other items submitted under files listed above)
1. This NOA revises NOA #13-1205.06, expiring on 11/13/18.
2. Test proposals #12-0913-R, #14-1086 and #14-0252-R and Test proposal # 14-1086 dated AUG 29, 2014 approved by RER.
3. Test proposal dated 12/03/09 for continuous hinges & SS strike plate, approved by BCCO.
4. Additional marked-up drawings provided as part of addendum letters by Element Material Technology, Inc
5. Additional marked-up drawings provided as part of addendum letters by Certified Testing laboratory, Inc.
6. Photo of Stainless Steel Strike plate supplied by Ingersoll-Rand.
7. Schlage & Falcon Mortise Locks brochures / catalogs supplied by Ingersoll-Rand.
8. Technical brochures of butt Hinges & continuous Hinges supplied by Ingersoll-Rand.

2. Evidence submitted in previous files #15-0427.03

A. DRAWINGS
1. Drawing No 882W-2 Rev I, titled “Steelcraft H Series Single and Double Louvered Doors”, sheets 1 through 12 of 12, prepared by the manufacturer, dated 08/12/02 and last revised on 10/12/17, signed and sealed by Hermes F. Norero, P.E.

B. TESTS
1. None.

C. CALCULATIONS
1. Anchor verification calculation and analysis dated 10/8/17 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 Hermes F. Norero, P.E.

G. OTHER
1. This NOA revises and renews NOA #15-0427.03, expiring on 11/13/18.

Ishq I. Chanda, P.E.
Product Control Unit Supervisor
NOA No. 19-0327.08
Expiration Date: November 13, 2023
Approval Date: May 02, 2019
NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED


A. DRAWINGS
   1. Drawing No RD 882W-2 Rev I-1, titled "Republic H16-4 FL 8080 Double Doors (outswing)", sheets 1 through 12 of 12, prepared by the manufacturer, dated 08-12-02 and last revised on 03/20/2019, signed and sealed by Hermes F. Norero, P.E.

B. TESTS (submitted under PLA NOA #17-1206.02)
   1. None.

C. CALCULATIONS (submitted under PLA NOA #17-1026.25)
   1. None.

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

E. MATERIAL CERTIFICATIONS
   1. None.

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

G. OTHER
   1. This NOA revises PLA NOA #17-1206.02, expiring 11/13/2023.

Ishaq I. Chanda, P.E.
Product Control Unit Supervisor
NOA No. 19-0327.08
Expiration Date: November 13, 2023
Approval Date: May 02, 2019
### AVAILABLE REPUBLIC DOOR CONFIGURATIONS
(SEE NOTE 1.)

<table>
<thead>
<tr>
<th>REPUBLIC H SERIES DOOR CORE MATERIAL PER SHT.11</th>
<th>MAXIMUM OPENING SIZE</th>
<th>SKIN MATERIAL</th>
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<tbody>
<tr>
<td></td>
<td>WIDTH</td>
<td>HEIGHT</td>
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<tr>
<td>HONEYCOMB POLYSTYRENE POLYURETHANE</td>
<td>8'0&quot;</td>
<td>8'0&quot;</td>
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<tr>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>HONEYCOMB POLYSTYRENE POLYURETHANE</td>
<td>8'0&quot;</td>
<td>8'0&quot;</td>
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</tbody>
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MINIMUM YIELD STRENGTH = 46,000 PSI
MINIMUM TENSILE STRENGTH = 52,000 PSI

### AVAILABLE REPUBLIC FRAME CONFIGURATIONS
(SEE NOTE 2.)

<table>
<thead>
<tr>
<th>REPUBLIC FRAME SERIES</th>
<th>JAMB DEPTH</th>
<th>MAXIMUM OPENING SIZE</th>
<th>MATERIAL</th>
<th>GA./MIN. THK</th>
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<td>HEIGHT</td>
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<tr>
<td>F</td>
<td>5.75&quot; Nom.</td>
<td>8'0&quot;</td>
<td>8'0&quot;</td>
<td>CRS/HRS GALV</td>
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<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
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<td></td>
<td>STAINLESS STEEL</td>
</tr>
<tr>
<td>MU</td>
<td>5.75&quot; Nom.</td>
<td>8'0&quot;</td>
<td>8'0&quot;</td>
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</table>

MINIMUM YIELD STRENGTH = 46,000 PSI
MINIMUM TENSILE STRENGTH = 52,000 PSI

### NOTES:
1. DOOR CONSTRUCTION (SEE TABLE 1 & 3)
2. FRAME CONSTRUCTION (SEE TABLE 2 & 3)
3. FOR MATERIAL SPECIFICATIONS REFERENCE SEE TABLE 3.

### MATERIALS:
- CRS
  - ASTM A366
- HRS
  - ASTM A1011
- GALV: A60 ASTM A653
- STAINLESS STEEL: 304, 316
- ASTM A240

### bend radius

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<tr>
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<td>E</td>
</tr>
<tr>
<td>F</td>
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<td>I-1</td>
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</tbody>
</table>
NOTES:
1. SLOT LOCATIONS MAY VARY WITH DIFFERENT DOOR WIDTH.
2. DOOR SWEEP RIGID SECTION IS MADE OF PRO-FAX #PD-199 POLYPROPYLENE HOMOPOLYMER
3. DOOR SWEEP FLEXIBLE SECTION IS MADE OF SANTOPRENE #101-73 73 DUROMETER - SHORE A SCALE
STEEL BUTT HINGE
4.5" X 4.5" STD. WT. MIN.
IVES 5BB1/3CB1
STANLEY FB8179/1900
HAGER BB1279
.134" MIN. THICKNESS
Fy Min. = 36ksi

CONTINUOUS HINGE
IVES 112HD & 224HD
STANLEY 661HD
SELECT SL11HD
PEMKO FM_HD SERIES
HAGER 789–224HD
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 A–500
.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

#12–24 MACHINE SCREWS

(15 MIN.) 12–24 X 1/4" FLAT HEAD UNDERCUT SELF DRILLING SCREW DOOR LEAF
(15 MIN.) 12–24 X 1–3/8" FLAT HEAD UNDERCUT SELF DRILLING SCREW FRAME LEAF
QUANTITY VARIES PER HINGE LENGTH

(18 MIN.) #10–24X 1/2" MIN. MACHINE SCREW OR SELF DRILLING EACH HINGE LEAF
QUANTITY VARIES PER HINGE LENGTH

REV

NTR AUTOCAD
SH 10 OF 12
NOTES:
1. CORE MATERIAL SHOWN WITHOUT LOUVER CUTOUTS AND REINFORCEMENTS.

(A) EXPANDED POLYSTYRENE FOAM BY ATLAS EPS
DENSITY: 1.0 LBS/FT³

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

(C) HONEYCOMB KRAFT PAPER.

(D) EXPANDED POLYSTYRENE FOAM
BY ATLAS EPS, DENSITY: 1.0 LB/FT³

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