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

APPROVAL DOCUMENT: Drawing No RDF-D07 Rev N-1, titled “Republic H series Double Flush outswing”, sheets 1 through 17 of 17, 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 sheets 1 & 2 for Design Pressures, Sizes and Hardware. See sheets 5, 6, 7 and 8 for door sizes VS threshold types, brand and water infiltration limitations. Lower design Pressure shall control the entire assembly.
2. New Von Duprin HH9954 mullion must meet min thickness & strength as listed in sheet 16. See Hollow mullion in sheet 15. Drop-in or expansion mullion anchor assembly must be from the anchor manufacturer (No substitution parts permitted).
3. Use of Ives viewers (model U696/U698) is limited to max. +/-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, 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 #17-0426.04 (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.
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 IRF-D07 Rev K, titled “Steelcraft H series Double Flush outswing”, sheets 1 through 13 of 13, 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 #15-0930.05 /#13-1217.17/#12-0305.13/ #10-0209.06/#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.

   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.

   2. 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.

   3. 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.


Ishaq I. Chanda, P.E.
Product Control Unit Examiner
NOA No. 19-0327.04
Expiration Date: May 05, 2023
Approval Date: April 25, 2019
NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

C. CALCULATIONS: (submitted under file #15-0930.05)
   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 # 10-0209.07)
   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 Elliot 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 ASTM E84 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 ASTME-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 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 02, 2010, prepared, signed and sealed by Gordon Thomas, P.E.

Ishfaq I. Chanda, P.E.
Product Control Unit Examiner
NOA No. 19-0327.04
Expiration Date: May 05, 2023
Approval Date: April 25, 2019

E-2
NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

F. STATEMENTS (continue):

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/ marked-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 renews NOA #15-0930.05, 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 (s) associated with this files are NOA #10-0209.07, 07-0829.04, 02-0712.01, 02-0712.03, 03-0908.03, 04-0203.03, 04-0303.03 and 05-0103.01.

2. Evidence submitted under file # 17-0426.04.

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 04/24/18, 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 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.
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. None.

F. STATEMENTS: (items # 4 thru 6, submitted under file # 17-1026.24)
   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.
   4. Ingersoll–Rand press release, dated 12/10/12, integrating the brands of Ingersoll–Rand and Schlage among others.
   5. 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. Statement letter dated Nov. 26, 2013 issued by Ingersoll-Rand for name change, signed by Jim Donlan, Compliance Engineer.
   8. 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.
   10. 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
   1. This NOA revises & renews NOA #17-0326.04, 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.
   3. Consolidation Test proposal # 06-2468, dated 04/27/07 approved by BCCO.
   5. Allegion’s (Schlage/ Former Ingersoll-Rand) future updated HH9954 Von-Duprin Mullion catalog.

Ishaq I. Chanda, P.E.
Product Control Unit Examiner
NOA No. 19-0327.04
Expiration Date: May 05, 2023
Approval Date: April 25, 2019
NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED


A. DRAWINGS
   1. Drawing No RDF-D07 Rev N-1, titled “Republic H series Double Flush outswing”, sheets 1 through 17 of 17, 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 #17-0426.04)
   1. None.

C. CALCULATIONS (submitted under PLA NOA #17-0426.04)
   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 #17-0426.04, expiring 05/05/2023.

Ishaq I. Chanda, P.E.
Product Control Unit Examiner
NOA No. 19-0327.04
Expiration Date: May 05, 2023
Approval Date: April 25, 2019
COMPLIANCE STATEMENT:
1. THESE PRODUCTS HAVE BEEN TESTED TO HVHZ PROTOCOLS TAS 201, 202 & 203-04
AND COMPLY WITH THE 2017 (6TH ED.) FLORIDA BUILDING CODE.

NOTES:
1. INTERIOR VIEWS ARE SHOWN FOR ALL ELEVATIONS (OUTSWING DOORS)
2. SEE TABLE 1 ON SHEET 2 FOR HARDWARE APPLICATIONS AND LIMITATIONS
3. SEE SHEETS 5 & 6 FOR HINGE REQUIREMENTS
4. SEE SHEETS 4 & 5 FOR ANCHORING TYPES AND LIMITATIONS AND SHEETS 15 & 16 FOR MULLION INSTALLATION
5. SEE SHEET 3, TABLE 3.1 AND SHEET 6 TABLES 3.2 & 3.3 FOR WATER RATED THRESHOLDS AND WEATHERSTRIPPING INSTALLATION AND LIMITATIONS
6. SEE SHEET 7, TABLE 4.1 AND SHEET 8 TABLE 4.2 FOR NON WATERTIGHT RATED THRESHOLDS AND WEATHERSTRIPPING INSTALLATION AND LIMITATIONS.
7. SEE SHEETS 1, 5, & 6 FOR BILL INSTALLATION INFORMATION
8. ALL CONFIGURATIONS MEET LARGE AND SMALL MISSILE IMPACT REQUIREMENTS - LARGE MISSILE IMPACT AT 30 F/S
<table>
<thead>
<tr>
<th>Door Configuration</th>
<th>Maximum Design Pressure, PSF</th>
<th>Maximum Door Opening Size, in.</th>
<th>Hardware Family</th>
<th>Model/Series</th>
<th>Strike Models</th>
<th>Brand</th>
<th>Comments</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>75</td>
<td>75</td>
<td>Mortise Lock</td>
<td>L/LV9400AD/CO MD</td>
<td>10-072</td>
<td>Schlage</td>
<td>Function with deadbolt, 3/4&quot; min. throw latch &amp; T&quot; min throw deadbolt</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td>MA</td>
<td>ANSI</td>
<td>Falcon</td>
<td></td>
</tr>
<tr>
<td>1A</td>
<td>60</td>
<td>60</td>
<td>Mortise Lock</td>
<td>L/LV8000AD/CO MS</td>
<td>10-072</td>
<td>Schlage</td>
<td>Function without deadbolt, 3/4&quot; min. throw latch</td>
</tr>
<tr>
<td>2</td>
<td>55</td>
<td>55</td>
<td>Cylindrical Lock</td>
<td>AL</td>
<td>10-025</td>
<td>Schlage</td>
<td>1/2&quot; throw latch</td>
</tr>
<tr>
<td>3</td>
<td>65</td>
<td>65</td>
<td>Cylindrical Lock</td>
<td>DN/DA/CO CYL</td>
<td>10-025</td>
<td>Schlage</td>
<td>1/2&quot; throw latch</td>
</tr>
<tr>
<td>4</td>
<td>75</td>
<td>75</td>
<td>Cylindrical Lock</td>
<td>DN/DA/CO CYL</td>
<td>10-025</td>
<td>Schlage</td>
<td>3/4&quot; throw latch</td>
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<td>5</td>
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<td>90</td>
<td>Rim Exit Device</td>
<td>XP 99/99(F)</td>
<td>909/954</td>
<td>Von Duprin</td>
<td>for pairs use HH6654 mullion by Von Duprin</td>
</tr>
<tr>
<td></td>
<td>SEE NOTE 4</td>
<td>SEE NOTE 4</td>
<td></td>
<td>98/96(F)</td>
<td>98/96(F)</td>
<td>Von Duprin</td>
<td></td>
</tr>
<tr>
<td>6</td>
<td>70</td>
<td>70</td>
<td>Rim Exit Device</td>
<td>88-F</td>
<td>299/499(F)</td>
<td>Von Duprin</td>
<td>for pairs use HH6654 mullion by Von Duprin</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td>98/96(F)</td>
<td>299/499(F)</td>
<td>Von Duprin</td>
<td></td>
</tr>
<tr>
<td>7</td>
<td>70</td>
<td>70</td>
<td>Surface Vertical Rod Exit Device</td>
<td>99/9927(F)</td>
<td>299/499(Top, 304L/248L Bottom)</td>
<td>Von Duprin</td>
<td></td>
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<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td>(F)25-V</td>
<td>3788 Top, 2130 Bottom</td>
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<td></td>
<td></td>
<td></td>
<td>Concealed Vertical Rod Exit Device</td>
<td>98/9847-F</td>
<td>338 Top, 305A/304L Bottom</td>
<td>Von Duprin</td>
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<td></td>
<td></td>
<td></td>
<td></td>
<td>F-25-C</td>
<td>4188 Top, 2130 Bottom</td>
<td>Falcon</td>
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</tr>
<tr>
<td>9</td>
<td>70</td>
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<td>Three-Point Latching Device</td>
<td>99/9957(F)</td>
<td>299/499(Top, 304L/248L Bottom)</td>
<td>Von Duprin</td>
<td>for pairs use HH6654 mullion by Von Duprin</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td>99/9957(F)</td>
<td>299/499(Top, 304L/248L Bottom)</td>
<td>Von Duplin</td>
<td>See note #2</td>
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<tr>
<td>10</td>
<td>70</td>
<td>70</td>
<td>Rim Exit Device</td>
<td>(F)25-R</td>
<td>299/499(F)</td>
<td>Falcon</td>
<td>for pairs use HH6654 mullion by Von Duprin</td>
</tr>
</tbody>
</table>

**NOTES:**
1. FOR DOOR CONFIGURATIONS 1, 1A, 2, 3, & 4, INACTIVE LEAF REQUIRES IVES SB360 SURFACE BOLTS IN TOP AND BOTTOM.
2. DOOR CONFIGURATION 10 IS USING FIXED HOLLOW METAL MULLION BETWEEN TWO DOORS (SEE MULLION DETAIL IN SHEET 15).
3. SEE SHEETS 10 THROUGH 18 FOR LOCKING HARDWARE AND HARDWARE MULLION DETAILS.
4. DOOR CONFIGURATION 5 IS RATED FOR MAXIMUM DESIGN PRESSURE UP TO ±75 PSF WITH ZERO INTL. THRESHOLD 11A OR FOR DOOR OPENINGS UP TO 3'-0" X 7'-0" WITH NGP THRESHOLD 11B AND ±50 PSF FOR DOOR OPENINGS UP TO 4'-0" X 8'-0" WITH NGP THRESHOLD 11B WHEN WATER INfiltrATION REQUIREMENT IS NEEDED. SEE SHEETS 5 & 6.
4.1 DOOR CONFIGURATION 5 IS WATER RATED FOR A MAXIMUM DESIGN PRESSURE UP TO ±75 WITH ZERO INTL. THRESHOLD (11A) OPTIONS AND UP TO ±50 PSF WITH THE NON-WATER RATED NGP 950 THRESHOLD (12B) OPTIONS WHEN WATER INfiltrATION REQUIREMENT IS NOT REQUIRED. SEE SHEET 5.
5. SCHLAGE AL-SERIES CYLINDRICAL LOCK (DOOR CONFIGURATION 2) IS LIMITED TO ±55 PSF MAXIMUM DESIGN PRESSURE.
### Table 3.2 Water Rated Perimeter Seal Hardware - Zero INTL Threshold 566

<table>
<thead>
<tr>
<th>Item Number</th>
<th>Model No.</th>
<th>Description</th>
<th>MFG.</th>
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<tr>
<td>11A</td>
<td>566</td>
<td>Threshold</td>
<td>ZERO INTL</td>
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<tr>
<td>14</td>
<td>FAS-SWEEP</td>
<td>PER MFG.</td>
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<td>15</td>
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<tr>
<td>19A</td>
<td>1855 DOOR SEAL</td>
<td>ZER</td>
<td>ZERO INTL</td>
</tr>
<tr>
<td>21A</td>
<td>139 DOOR SEAL</td>
<td>ZER</td>
<td>ZERO INTL</td>
</tr>
<tr>
<td>21B</td>
<td>32B DOOR SEEP</td>
<td>ZER</td>
<td>ZERO INTL</td>
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<tr>
<td>22A</td>
<td>475 ADJUSTABLE SEAL</td>
<td>ZER</td>
<td>ZERO INTL</td>
</tr>
<tr>
<td>23A</td>
<td>142 RAIN DRIP</td>
<td>ZER</td>
<td>ZERO INTL</td>
</tr>
<tr>
<td>23B</td>
<td>11 RAIN DRIP</td>
<td>ZER</td>
<td>ZERO INTL</td>
</tr>
<tr>
<td>24</td>
<td>DOOR TOP CAP</td>
<td>PER MFG.</td>
<td></td>
</tr>
</tbody>
</table>

Zero INTL 566 threshold gasketing system requirements for water infiltration - maximum design pressure rating 70 psi - (see configuration 10, elevations sheet 1)

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### Table 3.3 Water Rated Perimeter Seal Hardware - NGP Threshold 950

<table>
<thead>
<tr>
<th>Item Number</th>
<th>Model No.</th>
<th>Description</th>
<th>MFG.</th>
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<tbody>
<tr>
<td>11B</td>
<td>950</td>
<td>Threshold</td>
<td>NGP</td>
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<td>14</td>
<td>FAS-SWEEP</td>
<td>PER MFG.</td>
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<tr>
<td>15</td>
<td>END CHANNEL</td>
<td>PER MFG.</td>
<td></td>
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<td>13A</td>
<td>PS974 DOOR SEAL</td>
<td>PER MFG.</td>
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<td>20</td>
<td>200N DOOR SEAL</td>
<td>PER MFG.</td>
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<td>21C</td>
<td>200N DOOR SEAL</td>
<td>NGP</td>
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<td>22B</td>
<td>170N ADJUSTABLE SEAL</td>
<td>NGP</td>
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<tr>
<td>23C</td>
<td>16A RAIN DRIP</td>
<td>PER MFG.</td>
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<tr>
<td>24</td>
<td>DOOR TOP CAP</td>
<td>PER MFG.</td>
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</tbody>
</table>

NGP 950 threshold gasketing system requirements for water infiltration - maximum design pressure rating 70 psi for maximum door size of 3'-6" X 7'-0"

Maximum design pressure +50/70 psi for maximum door size of 4'-0" X 8'-0" (see configuration 10, elevations sheet 1)

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### Diagram

- **For Configuration:**
  - 10 (see elevations sheet 1)

- **For Configuration:**
  - 10 (see elevations sheet 1)
TABLE 4.2 NON WATER RATED PERIMETER SEAL HARDWARE - NGP THRESHOLD

<table>
<thead>
<tr>
<th>ITEM NUMBER</th>
<th>MODEL NO./DESCRIPTION</th>
<th>MFG.</th>
</tr>
</thead>
<tbody>
<tr>
<td>118</td>
<td>950 THRESHOLD NGP</td>
<td></td>
</tr>
<tr>
<td>13A</td>
<td>P9074 DOOR SEAL PER MFG.</td>
<td></td>
</tr>
<tr>
<td>14</td>
<td>FAS-SEAL SWEEP PER MFG.</td>
<td></td>
</tr>
<tr>
<td>15</td>
<td>END CHANNEL PER MFG.</td>
<td></td>
</tr>
<tr>
<td>16B</td>
<td>137 SPLIT ASTRAGAL NGP</td>
<td></td>
</tr>
</tbody>
</table>

**NGP 950 THRESHOLD GASKETING SYSTEM REQUIREMENTS WHEN WATER INFILTRATION IS NOT REQUIRED**

- **MAXIMUM DESIGN PRESSURE 90 PSF FOR MAXIMUM DOOR SIZE OF 4'-0" X 8'-0"**

**EXCEPT CONFIGURATION 10 LIMITED TO MAX 70 PSF** (SEE ELEVATIONS SHEET 1)

**FOR CONFIGURATIONS:**

1. 1A, 2, 3 & 4 (SEE ELEVATIONS SHEET 1)

   - **HINGE JAMB**
   - **ACTIVE INTERIOR**
   - **INACTIVE EXTERIOR**

2. **DOOR SEAL SWEEP ON HEAD JAMB**

   - **ACTIVE INTERIOR**
   - **INACTIVE EXTERIOR**

3. **DOOR SEAL SWEEP ON JAMB**

   - **ACTIVE INTERIOR**
   - **INACTIVE EXTERIOR**

**FOR CONFIGURATIONS:**

4. **7 & 8 (SEE ELEVATIONS SHEET 1)**

   - **HINGE JAMB**
   - **ACTIVE INTERIOR**
   - **INACTIVE EXTERIOR**

5. **FLEXIBLE SILICONE, VINYL OR NEOPRENE**

   - **SEALER (full height)**

6. **1/8" GAP**

7. **2-1/2" GASKET**

8. **49" DOOR HEIGHT**

9. **1-3/8" WOOD STILE**

10. **1-1/2" WOOD STILE**

11. **SPLIT ASTRAGAL**

12. **HINGE JAMB**

13. **ACTIVE INTERIOR**

14. **INACTIVE EXTERIOR**

**FOR CONFIGURATIONS:**

15. **5, 6, 9, & 11 (SEE ELEVATIONS SHEET 1)**

   - **HINGE JAMB**
   - **ACTIVE INTERIOR**
   - **INACTIVE EXTERIOR**

16. **DOOR SEAL SWEEP ON HEAD JAMB**

   - **ACTIVE INTERIOR**
   - **INACTIVE EXTERIOR**

17. **DOOR SEAL SWEEP ON JAMB**

   - **ACTIVE INTERIOR**
   - **INACTIVE EXTERIOR**

**FOR CONFIGURATION:**

18. **10 (SEE ELEVATIONS SHEET 1)**

   - **HINGE JAMB**
   - **ACTIVE INTERIOR**
   - **INACTIVE EXTERIOR**

**NOTES:**

1. SLOT LOCATIONS MAY VARY WITH DIFFERENT DOOR WIDTH.
2. DOOR SWEEP REFERENCE SECTION IS MADE OF PRO-FLEX 170 POLYPROPYLENE HOMOPOLYMER.
3. DOOR SWEEP FLEXIBLE SECTION IS MADE OF SANTOPRENE #101-73.
4. FAS-SEAL DOOR SWEEP (15), DOOR SEAL (14A) AND THRESHOLD (11B) AS APPLICABLE, ARE REQUIRED FOR ALL INSTALLATIONS.
5. SEAL ALL JOINTS WHERE FRAME MEETS WALL WITH BUTYL RUBBER OR 100% SILICONE CAULK.
6. INSTALL THRESHOLD INTO BEAD OF BUTYL RUBBER OR 100% SILICONE CAULK FULL LENGTH OF SILL.
SCHLAGE AL SERIES
CYLINDRICAL LEVER LOCKSET WITH 1/2" THROW LATCH
USED IN CONFIGURATION: 2

MIN. LATCH THROW:
CONFIGURATION 3 = 1/2"
CONFIGURATION 4 = 3/4"

#12-24 MACHINE SCREWS
Fy min=120,000 PSI

SCHLAGE L/LV 9400 SERIES MORTISE LOCKSET
W/ DEADBOLT. USED IN CONFIGURATION: 1

MIN. THROW:
DEADBOLT = 1"
LATCH = 3/4"

#12-24 MACHINE SCREW
Fy min=120,000 PSI

SCHLAGE D/ND-SERIES CYLINDRICAL LEVER LOCKSET,
USED IN CONFIGURATIONS: 3 & 4

MIN. LATCH THROW = 3/4"

#12-24 MS SS
Fy=120,000 PSI

FALCON MA-SERIES MORTISE LOCKSET W/ DEADBOLT
USED IN CONFIGURATION: 1

MIN. THROW:
DEADBOLT = 1"
LATCH = 3/4"

#12-24 MACHINE SCREW
SS Fy=120,000 PSI

FALCON, T-SERIES CYLINDRICAL LEVER LOCKSET
USED IN CONFIGURATION: 4

MIN. LATCH THROW = 3/4"

#12-24 MS SS
Fy=120,000 PSI

SCHLAGE ADICO MS SERIES MORTISE LOCK WITHOUT DEADBOLT
USED IN CONFIGURATION: 1A

MIN. LATCH THROW = 3/4"

#12-24 MS SS
Fy=120,000 PSI

NOTES:
1. ELECTRICAL FUNCTIONS/INSTALLATION AND FIRE RATINGS ARE NOT PART OF THIS APPROVAL AND TO BE REVIEWED AND APPROVED BY BUILDING OFFICIAL.
NOTES:
1. FOR MAXIMUM OPENING SIZE SEE TABLE 1 ON SHEET 2 & FOR MAXIMUM UNIT WIDTH
   SEE SHEET 1.
2. SEE SHEET 4 & 15 FOR ANCHOR INSTALLATION AND SHEETS 3, 4, 5, 6 & 15 FOR SILL
   INSTALLATION DETAILS AND SHEETS 15 & 16 FOR MULLION INSTALLATION.
STEEL BUTT HINGE
IVES 58B1/3CB1
STANLEY FB8179/1900
HAGER BB1279
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

STEEL CONTINUOUS HINGE
IVES 600
.075 (14GA) MIN. THICKNESS
1012 COLD ROLLED STEEL
fy MIN. 45ksi
STAINLESS STEEL CONTINUOUS HINGE
IVES 700, 700CS
HAGER 790–930
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

MULLION EXPANSION ANCHOR NOTES:
ANCHORS SHALL BE INSTALLED IN 3000 PSI CONCRETE (SEE ABOVE FOR SPACING
REQUIREMENTS), ALLOWABLE ANCHOR TYPES ARE:
1/4" POWERS SMART D1+ EXPANSION ANCHORS WITH MIN 1" EMBEDMENT
OR
1/4" HILTI KWIkest 3 EXPANSION BOLTS WITH MIN 1-1/8" EMBEDMENT