NOTICE OF ACCEPTANCE (NOA)

ASSA ABLOY Entrance System, Inc.
1900 Airport Road
Monroe, NC 28110

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: ASSA ABLOY Series “SL-500 Resilience” Aluminum Automatic Sliding Glass Door (So-Sx-Sx-So or So-Sx (rev)) w/ Full Breakout-LMI

APPROVAL DOCUMENT: Drawing No. 1017858, titled “Series SL-500 Resilience R104 Sliding Door System”, sheets 1, 2, 3, 4, 4B, 5, 5B through 12 of 12, dated 12/13/17 and last revised on 02/04/19, prepared by Turner Engineering & consulting Inc, signed and sealed by Lucas A. Turner, P.E., bearing the Miami-Dade County Product Control Approval stamp with the Notice of Acceptance number and approval date by the Miami-Dade County Product Control Section.

MISSILE IMPACT RATING: Large and Small Impact Resistant

Limitations:
1. Max panel widths not to exceed per sheet 4 (So-Sx-Sx-So) and sheet 5 (So-Sx).
2. Not approved where water infiltration is required.
3. Manufacturing facility as noted above, private labeling is not part of this approval.
4. See installation in various substrates in sheets 7 and 8. Item #101 is an optional Surface Applied (False Muntin).

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”, 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 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 consists of this page 1 and evidence pages E-1, as well as approval document mentioned above.

The submitted documentation was reviewed by Ishaq I. Chanda, P.E.

MIA MI-DADE COUNTY
APPROVED

NOA No. 18-0424.02
Expiration Date: February 07, 2024
Approval Date: February 07, 2019
Page 1
NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

A. DRAWINGS
1. Manufacturer's die drawings and sections
2. Drawing No. 1017858, titled “Series SL-500 Resilience R104 Sliding Door System”, sheets 1, 2, 3, 4, 4B, 5, 5B through 12 of 12, dated 12/13/17 and last revised on 02/04/19, prepared by Turner Engineering & consulting Inc, signed and sealed by Lucas A. Turner, P.E.

B. TESTS
1. Test reports on:
   1) Air Infiltration Test, per FBC, TAS 202-94 (0.79 cfm/ft² @ 1.57 PSF)
   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 installation diagram of an aluminum automatic sliding glass doors, prepared by Intertek, Test Report No. H7232.05-550-18-R2, dated 02/09/18 and revised on 01/16/19, signed and sealed by Vinu Abraham, P.E.

C. CALCULATIONS
1. Anchor verification calculations dated 04/17/18 and last revised with supplement on 01/25/19, prepared by Turner engineering & consulting Inc, signed and sealed by Lucas A. Turner, P.E.
2. Engineering Analysis dated 01/19/2019 for Panel with VS DLO (narrow, medium and wide stiles), prepared by Turner engineering & consulting Inc, signed and sealed by Lucas A. Turner, P.E.
3. Glazing complies w/ ASTM-E1300-02, -04 & -09.

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 “Sentry Glass® Interlayer”, expiring on 07/04/23.

F. STATEMENTS
3. Lab compliance as part of the above referenced test report.

G. OTHER
1. Test proposal # 16-1647, dated Feb 19, 2017, approved by RER.

Ishaq L. Chanda, P.E.
Product Control Unit Supervisor
NOA No. 18-0424.02
Expiration Date: February 07, 2024
Approval Date: February 07, 2019
GENERAL NOTES:

1. The product shown herein is constructed from aluminum frames with steel reinforcement. It has been tested to TAS102/2003-04 and ASTM E 283, and meets the requirements of the Florida Building Code, 8th Edition (2017), including the high velocity hurricane zone. This product is not tested or rated for water infiltration resistance and is intended for installation only in locations where water infiltration is not required or where overhang length exceeds the overhang height in accordance with FBC 1708.5.1.

2. This product is large missile impact level D resistant and does not require the use of impact protective devices (shutters) in windborne debris regions.

3. The design pressures indicated in this drawing are as limited by ASTM E-1300 glass tables, and tested water, structural, and cyclic pressures.

4. This document addresses product anchorage to achieve the indicated design pressures at the indicated sizes. In the configuration shown in the elevations, install products with 1/4" maximum shim gap, minimum edge distance and embedment, and with fastener type as shown in the details and as indicated in Table 1. For additional product construction details see InterTek Report HT232.02-550-18-R2.

5. Approved glazing is as shown on the details, this sheet.

6. The 0.433 allowable stress increase factor (short-term increase factor) has not been used in the anchor analysis for this system. The 1.5 Cf factor was used in the analysis of anchorage into wood substrate.

7. The opening substrate materials (framing, masonry, bucks) and attachment of bucks to the substrate are by others and shall be verified by the architect or engineer of record or as approved by the authority having jurisdiction (AHJ). Bucking, openings, & bucking fasteners must be properly designed and installed by others in accordance with the FBC to transfer superimposed loads to the structure. With solid concrete or grout-filled masonry openings, wood bucks are optional.

8. Dissimilar materials that come into contact shall be coated or otherwise protected to prevent galvanic reactions. Wood bucks, if used, shall be pressure treated with either a treatment or coating compatible with this product.

9. All anchors used shall be of a material or have a coating compatible with the pressure treated wood bucks and all other window materials.

10. All hardware & fasteners shall be in accordance with these drawings, or as approved, signed, and sealed by a Florida registered professional engineer on a site-specific basis.

11. Sealing and flashing strategies for overall water infiltration resistance of the installed product shall be the responsibility of others and are to be reviewed by the building official having responsibility and are not addressed by this document.

12. For additional installation requirements see General Anchor Notes, Sheet 7.
NOTE: See Sheet 5 for Single Slide Sill Anchor Locations

LH FBO (2 Panels Left-Hand Full Breakout) Shown
DLO Formulas:
- DLO Width Narrow Stile = Panel Width - 6-3/4"
- DLO Width Medium Stile = Panel Width - 10-1/2"
- DLO Width Wide Stile = Panel Width - 12-1/2"
- DLO Height 4" Bottom Rail = O.A. Height - 21-7/8"
- DLO Height 7" Bottom Rail = O.A. Height - 24-7/8"
- DLO Height 10" Bottom Rail = O.A. Height - 27-7/8"

*Optional

ACTIVE JAMB

Jamb Anchor Cluster, See Note 5, Sheet 7

NOTE: See Sheet 5 for Single Slide Sill Anchor Locations

Installation Fasteners, Typical at Head and Jamb: See Table 1, Sheet 7
TABLE 1: INSTALLATION ANCHOR REQUIREMENTS TABLE

<table>
<thead>
<tr>
<th>SUBSTRATE TYPE</th>
<th>ANCHOR TYPE</th>
<th>MINIMUM EMBEDMENT</th>
<th>MINIMUM EDGE DISTANCE</th>
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<tr>
<td>AT OPERABLE AND SIDELITE T-HRESHOLD THROUGH-FRAME LOCATIONS ONLY:</td>
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<td></td>
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<tr>
<td>CONCRETE (2,55 KSI MIN)</td>
<td>3/16&quot; ELCO ULTRACON</td>
<td>1 3/4&quot;</td>
<td>1&quot;</td>
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<tr>
<td>2X MIN. SOUTHERN PINE WOOD (G=0.55)</td>
<td>#10 GRADE 5 WOOD SCREW</td>
<td>1-3/8&quot;</td>
<td>1&quot;</td>
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<tr>
<td>AT ALL HEADJAMB LOCATIONS AND SILL PINLOCK STRIKES/PLATES:</td>
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<td></td>
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<tr>
<td>CONCRETE (2.85 KSI MIN)</td>
<td>1/4&quot; ELCO ULTRACON</td>
<td>1 3/4&quot;</td>
<td>2 1/2&quot;</td>
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<tr>
<td>HOLLOW OR GROUT-FILLED CMU (ASTM C90) (APPLICABLE AT JAMBSTORY ONLY)</td>
<td>1/4&quot; ELCO ULTRACON</td>
<td>1 1/4&quot;</td>
<td>2 1/2&quot;</td>
</tr>
<tr>
<td>2X MIN. SOUTHERN PINE WOOD (G=0.55)</td>
<td>#10 GRADE 5 WOOD SCREW</td>
<td>1-3/8&quot;</td>
<td>1&quot;</td>
</tr>
<tr>
<td>16 GAUGE (0.060&quot;) MIN. STEEL STUD, 33KSI YIELD MIN., OR 1/8&quot; ALUM. 6063-T5 MIN.</td>
<td>1/4&quot;X14 HILTI KWIK-FLEX OR ITW TEKS SELF-DRILLING SCREW</td>
<td>FULL PLUS 3 THREADS</td>
<td>2 1/2&quot;</td>
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</tbody>
</table>

NOTE: ANCHORS ARE FLATHEAD AT ALL PLATE/STRIKE LOCATIONS AND ROUND/PAN/HEX-WASHER HEAD ELSEWHERE.

GENERAL ANCHOR NOTES:
1. INSTALL ANCHOR AS INDICATED IN DETAILS ON SHEETS 2 THRU 5 AT EACH LOCATION SHOWN IN THE ELEVATIONS ON SHEETS 2 AND 3.
2. INSTALL SHIMS AT EACH ANCHOR LOCATION WHERE A GAP OF 1/16" OR GREATER EXISTS BETWEEN PRODUCT FRAME AND SUBSTRATE.
3. 1/4"X14.5 SHIMS SHALL BE LOAD-BEARING (PLASTIC OR METALLIC) AND CAPABLE OF TRANSFERRING LOADS TO SUBSTRATE.
4. SPECIFIED ANCHOR EMBEDMENT TO SUBSTRATE SHALL BE BETWEEN WALL FINISH OR STUCCO, BY OTHERS FOR ATTACHMENT TO METAL SUBSTRATES ENSURE FULL THREAD ENGAGEMENT THROUGH METAL WALL WITH MIN. 3 THREADS BEYOND.
5. IN CMU (AT JAMBSTORY ONLY) ENSURE 3 MIN. ON-CENTER SPACING BETWEEN ANY TWO INSTALLATION ANCHORS IN JAMB ANCHOR CLUSTERS (SEE VERTICAL SECTION DETAILS ON SHEETS 2 AND 3), AND 6 MIN. ON-CENTER ELSEWHERE AT CMU JAMBS. FOR ALL OTHER ANCHOR/SUBSTRATE TYPES (SEE TABLE 1) ENSURE 1-1/2 MIN. ON-CENTER SPACING BETWEEN ANY TWO INSTALLATION ANCHORS.
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<th>Description</th>
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<th>Part. no.</th>
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Approved as complying with the Florida Building Code

Date: 2/11/15

No.58201
STATE OF FLORIDA
LICENSEE PROFESSIONAL ENGINEERING
LUCAS A. TURNER, P.L.E., #56501
TURNER ENGINEERING & CONSULTING, INC.
4201 OLD NACHES TRACE
CAMDEN, TN 38320, PH: 901-360-1574

No. 1017858
24/3/19

11 OF 12
123 1/4"x 2-1/4" HWH ELCO Ultracon Conc. Anchor 1703636
122 3/16" HWH ELCO Ultracon Conc. Anchor 1703635
121 1/4"x 3-1/4" PFH ELCO Ultracon Conc. Anchor 1703634
120 1/4"-14 x 2" HWH #3 PT SD 11W TEKS Screw 1703633
119 #14 x 2-1/2" PH Grade 5 Sheetmetal Screw 1703431
118 #10 PH Grade 5 Sheetmetal Screw 1703427
117 #14 x 4" RH Grade 5 Sheetmetal Screw 1703484
116 V2W Sidelite Steel, RH FBO 1016678
115 V2W Active Steel, RH FBO 1016675
114 V1W Active Steel, RH FBO/FSL 1016672
113 V2W Sidelite Steel, LH FBO 1016669
112 V2W Active Steel, LH FBO 1016666
111 V1W Active Steel, LH FBO/FSL 1016663
110 V2M Sidelite Steel, RH FBO 1016666
109 V2M Active Steel, RH FBO 1016674
108 V1M Active Steel, RH FBO/FSL 1016671
107 V2M Sidelite Steel, LH FBO 1016677
106 V2M Active Steel, LH FBO 1016665
105 V1M Active Steel, LH FBO/FSL 1016662
104 Bottom Roller Assembly 1017854
103 Lock Indicator 50-05-161
102 Thumbturn 50-06-106
101 Resilience Crash Bar Kit (Optional) 1017922
100 Resilience Jamb Lock Strike 1017900
99 Adams Rite Assa Abloy MS185GS 2 PT Lock 1703590
98 M6 x 20 Hex Head Screw 93-09-723187
97 M6 x 30 FH Ti Greenwood Screw 1701704
96 M6 Star Washer 14-09-003
95 M8 x 10 BHCS 1703510
94 Jamb Filler US01-0033
93 V2N Sidelite Steel, RH FBO 1016673
92 V2N Active Steel, RH FBO 1016676
91 V1N Active Steel, RH FBO 1016670
90 Pin Guide Track 1014822
89 Resilience Carrier Lock Strike Assembly 1016637
88 M5 x 10 SHCS 1703630
87 M8 x 18 SHCS 1703495
86 M8 x 25mm BHCS 1703430
85 Resilience Shear Block 1016612
84 Lock Plate US04-0984-01

Revisions
Rev Description Date Approved
0 Initial Release 2/2/18 CLW