Lawson Industries, Inc.
8501 NW 90th Street
Medley, FL 33166

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: Series “SGD-9000 Dry Glazed” 8’0” Alum Sliding Glass Door w/ Reinforcement – N. I.

APPROVAL DOCUMENT: Drawing No. L9000-0903 Rev C, titled “Series SGD-9000 Aluminum Sliding Glass Door (N.I.) Heavy Steel Reinforcement”, sheets 01 through 08 of 08, prepared by manufacturer, dated 06/04/09 and last revised on Nov 21, 2017, signed and sealed by Thomas J. Sotos, P. E., bearing the Miami-Dade County Product Control Section Revision stamp with the Notice of Acceptance number and Expiration date by the Miami-Dade County Product Control Section.

MISSILE IMPACT RATING: None: Approved Hurricane Protection Devices Complying w/ FBC, as applicable, are required.

Limitations:
1. See design Pressure chart VS door sizes, glass types and Sill height, in sheets 2. See full length required reinforcements in sheets 4, 6 and 7.
2. Applicable door egress requirement to be reviewed by Building official.
3. See pocket installation in sheet 5. Pocket wall is not part of this approval and to be reviewed by AHJ.

LABELING: Each unit shall bear a permanent label with the manufacturer's name or logo, city, state, 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 #17-0608.07 and consists of this page 1 and evidence pages E-1, E-2 and E-3, as well as approval document mentioned above.

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

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

1. Evidence submitted in previous files

A. DRAWINGS
1. Manufacturer's die drawings and sections.
   (Submitted under NOA's No.'s 99–0517.02 and 09–0706.08)
2. Drawing No. L9000–0903, titled "Series SGD–9000 Aluminum Sliding Glass Door (NJ) Heavy Steel Reinforcement", sheets 01 through 08 of 08, prepared by manufacturer, dated 06/04/09, with the latest revision "B", dated 12/19/14, signed and sealed by Thomas J. Sotos, P. E.

B. TESTS
1. Test reports on: 1) Uniform Static Air Pressure Test, Loading per FBC TAS 202–94 along with marked-up drawings and installation diagram of an Aluminum Sliding Glass Door, prepared by Hurricane Engineering & Testing, Inc., Test Reports No.'s HETI–09–2544 and HETI–09–2511, dated 05/21/09, both signed and sealed by Candido F. Font, P. E.
   (Submitted under NOA No. 09–0706.08)
2. Test reports on: 1) Air Infiltration Test, per FBC, TAS 202–94
   2) Uniform Static Air Pressure Test, Loading per FBC TAS 202–94
   3) Water Resistance Test, per FBC, TAS 202–94
   4) Forced Entry Test, Type “C” sliding door, Grade 10, per FBC 2411.3.2.1, TAS 202–94 and per ASTM F 842–04 along with marked-up drawings and installation diagram of an Aluminum Sliding Glass Door, prepared by Fenestration Testing Laboratory, Inc., Test Reports No.'s FTL–2027, FTL–2028, FTL–2029 and FTL–2030, dated 01/04/99, all signed and sealed by Gilbert Diamond, P. E.
   (Submitted under NOA No. 99–0517.02)

C. CALCULATIONS
1. Anchor verification calculations and structural analysis, complying with FBC, prepared by Lawson Industries, Inc., dated 04/28/15, signed and sealed by Thomas J. Sotos, P. E.
   (Submitted under previous NOA No. 14–0908.05)
2. Glazing complies with ASTM E1300–04/09

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

Ishaq I. Chanda, P. E.
Product Control Examiner
NOA No. 17-1212.08
Expiration Date: August 26, 2022
Approval Date: January 25, 2018

E – 1
NOTICE OF ACCEPTANCE:  EVIDENCE SUBMITTED

E. MATERIAL CERTIFICATIONS
1. Technical data sheet of flexible vinyl compound FPVC 7267–75 (White) & FPVC 7200–75 (Black), published by Team Plastics, Inc./ Bayshore Vinyl Compounds, Inc. a division of Mexichem SAB de CV, LLC.

F. STATEMENTS
1. Statement letter of conformance to and complying with FBC 5th Edition (2014), issued by manufacturer, dated 05/24/17, signed and sealed by Thomas J. Sotos, P. E.
2. Statement letter of no financial interest dated 06/22/09, signed and sealed by Thomas J. Sotos, P. E.
   (Submitted under NOA No. 09-0706.08)
   (Submitted under NOA No. 09-0706.08)
4. Proposal No. 08–0591, issued by Product Control, dated 07/15/08, signed by Renzo Narciso.
   (Submitted under NOA No. 09-0706.08)
   (Submitted under NOA No. 99–0517.02)
6. Proposal issued by Product Control, dated 04/14/98, signed by Jaime D. Gascon, P. E.
   (Submitted under NOA No. 99–0517.04)

G. OTHERS

A. DRAWINGS
1. Drawing No. L9000–0903 Rev C, titled “Series SGD–9000 Aluminum Sliding Glass Door (N.I.) Heavy Steel Reinforcement”, sheets 01 through 08 of 08, prepared by manufacturer, dated 06/04/09 and last revised on Nov 21, 2017, signed and sealed by Thomas J. Sotos, P. E.
   Note: This revision consist of editorial changes of FBC 17 (6th Edition) code compliance.

Ishaq I. Chanda, P. E.
Product Control Examiner
NOA No. 17-1212.08
Expiration Date: August 26, 2022
Approval Date: January 25, 2018

E – 2
Lawson Industries, Inc.

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

B. Test
   1. None

C. CALCULATIONS
   1. None

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

E. MATERIAL CERTIFICATIONS
   1. None.

F. STATEMENTS
   1. Statement letter of conformance to FBC 2017 (6th Edition) and “No financial interest”
      dated 11/17/17, prepared by the manufacturer, signed and sealed by Thomas J. Sotos, P.E.

H. OTHER
   1. This NOA revises # 17-0608.07, expiring 08/26/22.

Ishaq I. Chanda, P. E.
Product Control Examiner
NOA No. 17-1212.08
Expiration Date: August 26, 2022
Approval Date: January 25, 2018
E – 3
NOTES:

SEE SHEET 2 FOR DESIGN LOAD CAPACITY OF DESIRED PANEL SIZE.


WOOD BUCKS BY OTHERS MUST BE ANCHORED PROPERLY TO TRANSFER LOADS TO THE STRUCTURE.

ANCHORS SHALL BE AS LISTED, SPACED AS SHOWN ON DETAILS, ANCHORS ENBEDMENT TO BASE MATERIAL SHALL BE BEYOND WALL DRESSING OR STUCCO.

ANCHORING OR LOADING CONDITIONS NOT SHOWN IN THESE DETAILS ARE NOT PART OF THIS APPROVAL.

SGD–9000 ALUMINUM SLIDING GLASS DOOR

TYPICAL ELEVATION
TESTED UNIT (OXXX)

TYPICAL ELEVATION
TESTED UNIT (OXXX)

NON–IMPACT
HEAVY REINFORCING

DOORS NOT RATED FOR IMPACT.
INSTALLATION OF THIS PRODUCT REQUIRES THE USE OF APPROVED SHUTTERS OR EXTERNAL PROTECTION DEVICES COMPLYING WITH MVHZ REQUIREMENTS.
TYPICAL ANCHORS:
(SEE ELEV. FOR SPACING)
3/4" DA HANCE BY 1" W. BLDG. (FY = 100 KSI, Fy = 125 KSI)
INTO 2 BY 4 WOOD BUCKS OR WOOD STRUCTURE
1-3/8" MIN. PENETRATION INTO WOOD
THRU 1-BY 4 WOOD BUCKS INTO MASONRY OR CONC.
1-1/2" MIN. EMBED INTO MASONRY OR CONC.
DIRECTLY INTO CONCRETE OR MASONRY
1-1/4" MIN. EMBED INTO CONCRETE OR MASONRY

#14 SMS OR SELF DRILLING SCREWS - GRADE 5
INTO METAL STRUCTURES
STEEL: 12 GA. MIN. THICK - 0.105" (FY = 36 KSI MIN.)
ALUMINUM: 1/8" THK. MIN. (6663-T5 MIN.)

#10 SMS - GRADE 5
INTO MAH-DACE COUNTY APPROVED MULLIONS (MIN. THK. = 1/8")
(NO SHIM SPACE)

TYPICAL EDGE DISTANCES
INTO CONCRETE AND MASONRY = 2-1/2" MIN.
INTO WOOD STRUCTURE = 1" MIN. (OR AS SHOWN)
INTO METAL STRUCTURE = 3/4" MIN.

SUBSTRATES:
WOOD BUCK (P.I.) AT HEAD OR JAMB BS = 0.55 MIN.
CONCRETE AT HEAD, SILL OR JAMB F'c = 3000 PSI MIN.
L-50 GROUT / FILLED BLOCK AT JAMBS F'm = 2000 PSI MIN.

SEALANTS:
ALL FRAME AND PANEL JOINT, INSTALLATION SCREWS AND
HEADS OF ANCHOR SCREWS AT SILL TO BE SEALED WITH SEALANT.

WOOD BUCKS AND METAL STRUCTURES NOT BY LAWSON IND.
MUST SUPPORT LOADS IMPOSED BY GLAZING SYSTEM AND
TRANSFER THEM TO THE BUILDING STRUCTURE.

TWO (2) TRACK SECTION
5/8 TEMP. INSULATED GLASS MAY BE USED IN 4X8' PANELS OR SMALLER.

GLASS CAPACITIES ON THIS CHART ARE BASED ON ASTM E1300-98 (60 SEC. WIND).

THIS APPROVES DOORS USING TWO (2) OR THREE (3) TRACK FRAMES WITH ANY NUMBER OF PANELS THAT CONTAIN THE SILEN CONFIGURATIONS SHOWN ON SHEETS 4 AND 6, I.E. XX, OX, XO, XXX, OXX, OXXO, AND THE FOLLOWING POCKET DOOR CONFIGURATIONS:

- XpX, pXX, XXXp, pXXX, XXXXXp, pXXXXp, XXXXXp
- OXXp, pXXXX

**1/4 TEMP. GLAZING DETAIL 5/8 TEMP. INSULATED GLAZING DETAIL**

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* * 6 4 ON 9/8 HIGH DOORS ONLY

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**DESIGN LOAD CAPACITY - PSF**

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**1/4 TEMP. GLASS**

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* 812-204-357 AS REQ'D