NOTICE OF ACCEPTANCE (NOA)

Lawson Industries, Inc.
8501 NW 90 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 “3200” Outswing Aluminum Casement Window – L.M.I.

APPROVAL DOCUMENT: Drawing No. L3200-0801, titled “Series: 3200 Outswing Impact Casement Window”, sheets 1 through 7 of 7, dated 07/27/08, with revision F dated 08/10/20, prepared by manufacturer, signed and sealed by Thomas J. Sotos, 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 Resistant

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 No. 19-0227.06 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 Manuel Perez, P.E.
NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

1. EVIDENCE SUBMITTED UNDER PREVIOUS NOA’s
A. DRAWINGS
1. Manufacturer’s die drawings and sections.
   (Submitted under NOA No. 08-1020.08)
2. Drawing No. L3200-0801, titled “Series: 3200 Outswing Impact Casement Window”, sheets 1 through 7 of 7, dated 07/27/08, with revision E dated 12/07/18, prepared by manufacturer, signed and sealed by Thomas J. Sotos, P.E.
   (Submitted under NOA No. 19-0227.06)

B. TESTS
1. 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) 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, and TAS 202-94
   along with marked-up drawings and installation diagram of a series 3200 outswing aluminum casement window, prepared by Fenestration Testing Laboratory, Inc., Test Report No. FTL-10570, dated 02/08/19, signed and sealed by Idalmis Ortega, P.E.
   (Submitted under NOA No. 19-0227.06)
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, per FBC 2411.3.2.1, and TAS 202-94
   along with marked-up drawings and installation diagram of a series 3200 outswing aluminum casement window, X configuration, w/5/16” ann. Lami glass w/PVB laminate by DuPont, Test Reports No. HETI-08-2099A, HETI-08-2102A, HETI-08-2097A, HETI-08-2103A and HETI-08-2131A, all dated 07/10/08, signed and sealed by Candido F. Font, P.E.
   (Submitted under NOA No. 08-1020.08)
3. Test reports on:
   1) Large Missile Impact Test per FBC, TAS 201-94
   2) Cyclic Wind Pressure Loading per FBC, TAS 203-94
   along with marked-up drawings and installation diagram of a series 3200 outswing aluminum casement window, X configuration, w/5/16” ann. Lami glass w/PVB laminate by DuPont, Test Report No.’s HETI-08-2099B, HETI-08-2100, HETI-08-2101, HETI-08-2102B, HETI-08-2097B, HETI-08-2103B, HETI-08-2104, HETI-08-2105, HETI-08-2106, HETI-08-2125, and HETI-08-2131B, all dated 07/10/08, signed and sealed by Candido F. Font, P.E.
   (Submitted under NOA No. 08-1020.08)
NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

I. EVIDENCE SUBMITTED UNDER PREVIOUS NOA’s (CONTINUED)

C. CALCULATIONS
1. Anchor verification calculations and structural analysis, complying with FBC 6th Edition (2017), dated 03/01/19, prepared by manufacturer, signed and sealed by Thomas J. Sotos, P.E.
   *(Submitted under NOA No. 19-0227.06)*

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. for their “SentryGlas® (Clear and White) Glass Interlayers” dated 12/28/17, expiring on 07/04/23.
2. Notice of Acceptance No. 17-1114.14 issued to Kuraray America, Inc. for their “Trosifol® UltraClear, Clear and Color PVB Glass Interlayers” dated 01/18/18, expiring on 07/08/19.
3. Notice of Acceptance No. 17-0712.05 issued to Eastman Chemical Company (MA) for their “Saflex Clear and Color Glass Interlayers” dated 09/07/17, expiring on 05/21/21.

F. STATEMENTS
1. Statement letter of conformance to FBC 6th Edition (2017) and “No financial interest” dated March 8, 2019, prepared by the manufacturer, signed and sealed by Thomas J. Sotos, P.E.
   *(Submitted under NOA No. 19-0227.06)*
2. Statement letter of no financial interest with the laboratory, dated March 8, 2019, prepared by the manufacturer, signed and sealed by Thomas J. Sotos, P.E.
   *(Submitted under NOA No. 19-0227.06)*
3. Testing Proposal issued by the Product Control Section, dated December 12, 2018, signed by Manuel Perez, P.E.
   *(Submitted under NOA No. 19-0227.06)*
4. Laboratory compliance letter for Test Reports No.’s HETI-08-2099A, HETI-08-2102A, HETI-08-2097A, HETI-08-2103A, HETI-08-2131A, HETI-08-2099B, HETI-08-2100, HETI-08-2101, HETI-08-2102A, HETI-08-2102B, HETI-08-2097B, HETI-08-2103B, HETI-08-2104, HETI-08-2105, HETI-08-2106, HETI-08-2125 and HETI-08-2131B, all dated 07/10/08, all issued by Hurricane Engineering & Testing, Inc., signed and sealed by Candido F. Font, P.E.
   *(Submitted under NOA No. 08-1020.08)*

Manuel Pérez, P.E.
Product Control Examiner
NOA No. 20-0814.07
Expiration Date: March 04, 2024
Approval Date: October 15, 2020

E - 2
Notices of Acceptance:

1. **Evidence Submitted Under Previous NOA’s (Continued)**

   G. **Others**
   1. Notice of Acceptance No. 17-1212.22 issued to Lawson Industries, Inc. for their Series “3200” Outswing Aluminum Casement Window – L.M.I., approved on 02/01/18 and expiring on 03/04/19.

2. **New Evidence Submitted**

   A. **Drawings**
   1. Drawing No. L3200-0801, titled “Series: 3200 Outswing Impact Casement Window”, sheets 1 through 7 of 7, dated 07/27/08, with revision F dated 08/10/20, prepared by manufacturer, signed and sealed by Thomas J. Sotos, P.E.

   B. **Tests**
   1. None

   C. **Calculations**
   1. None.

   D. **Quality Assurance**
   1. Miami-Dade Department of Regulatory and Economic Resources (RER)

   E. **Material Certifications**
   1. Notice of Acceptance No. 18-0725.11 issued to Kuraray America, Inc. for their “Kuraray SentryGlas® Xtra™ (SGX™) Clear Glass Interlayer” dated 05/23/19, expiring on 05/23/24.
   2. Notice of Acceptance No. 19-0305.02 issued to Kuraray America, Inc. for their “Trosifol® Ultraclear, Clear and Color PVB Glass Interlayers” dated 05/09/19, expiring on 07/08/24.
   3. Notice of Acceptance No. 20-0622.01 issued to Eastman Chemical Company (MA) for their “Saflex PVB Clear and Color Glass Interlayers” dated 08/06/20, expiring on 05/21/21.

   F. **Statements**

   G. **Others**
   1. Notice of Acceptance No. 19-0227.06 issued to Lawson Industries, Inc. for their Series “3200” Outswing Aluminum Casement Window – L.M.I., approved on 04/04/19 and expiring on 03/04/24.

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Manuel Pérez, P.E.
Product Control Examiner
NOA No. 20-0814.07
Expiration Date: March 04, 2024
Approval Date: October 15, 2020
General Notes:


2. 1X or 2 X WOOD BUCKS SHALL BE INSTALLED AND ANCHORED SO THAT THE BUILDING RESISTS THE SUPERIMPOSED LOADS IN ACCORDANCE WITH REQUIREMENTS OF F.B.C. & TO BE REVIEWED BY BUILDING OFFICIAL.


4. ANCHOR CONDITIONS NOT DESCRIBED IN THESE DRAWINGS ARE TO BE ENGINEERED ON A SITE SPECIFIC BASIS, UNDER SEPARATE APPROVAL AND TO BE REVIEWED BY BUILDING OFFICIAL.

5. SEE SHEET #4 OF 7 FOR BILL OF MATERIALS AND DETAILS.

6. SEE SHEET #5 & 6 OF 7 FOR GLAZING DETAILS & OPTIONS AND CHARTS FOR MAX. DESIGN Press.

7. WOOD BUCKS IN CONTACT WITH CONCRETE MUST BE PRESSURE TREATED AND ANCHORED PRIOR TO WINDOW INSTALLATION (BY OTHERS). (SEE SHEETS #2 & 3 FOR DETAIL & NOTES)

8. MATERIALS INCLUDING BUT NOT LIMITED TO STEEL SCREWS, THAT COME IN CONTACT WITH OTHER DISMANTLABLE MATERIALS SHALL MEET THE REQUIREMENTS OF FLORIDA BUILDING CODE.

9. EXH. INT. FALSE COLONIAL MUNTINS ARE OPTIONAL & AND ARE APPLIED W/ SILICONE.

10. FRAME SILL ANCHOR CLIPS TO BE MEASURED FROM THE INSIDE EDGE OF THE WINDOW FRAME AND TO BE LOCATED WITHIN ± 1/8" TOLERANCE. TOTL OF ANCHORS REQUIRED AT SILL TO BE THE SAME AS FRAME HEAD.

11. SEE SHEET # 4 OF 10 FOR PLANGE PERMITTERS CAULK/ INSTALLATION DETAIL.

12. EXH. INT. FALSE COLONIAL MUNTINS ARE OPTIONAL & ARE APPLIED W/ SILICONE.
## LAWSON SERIES: 3200 CASEMENT WINDOW — BILL OF MATERIALS LIST

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**PRODUCT REVISED as complying with the Florida Building Code**

NOA No.: 20-0914.07

Expiration Date: 01/01/2027

By: Miami-Dade Product Control

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**FRAME PERIMETER CALK DETAIL**

**WOOD FRAME INSTALLATION DETAIL**

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**MULLION ATTACHMENT DETAIL**
**3200 Impact Casement Window**

**Flange Frame Window Glazed with**

**Laminated Glass Types**

- **5/16" Laminated Glass Composition - Type "A"**
  - Item Description: 1/8" annealed glass, 2/8" pVB interlayer, 2/8" pVB interlayer by Kramer, PVB by Eastman Chemical Co., 3/8"/2.25" pVB interlayer by Kramer, PVB by Eastman Chemical Co.

- **5/16" Laminated Glass Composition - Type "B"**
  - Item Description: 1/8" heat-strengthened glass, 2/8" pVB interlayer, 2/8" pVB interlayer by Kramer, PVB by Eastman Chemical Co., 3/8" heat-strengthened glass

- **5/16" Laminated Glass Composition - Type "C"**
  - Item Description: 1/8" heat-strengthened glass, 2/8" pVB interlayer, 2/8" pVB interlayer by Kramer, PVB by Eastman Chemical Co., 3/8" heat-strengthened glass

- **5/16" Laminated Glass Composition - Type "D"**
  - Item Description: 1/8" annealed glass, 2/8" pVB interlayer, 2/8" pVB interlayer by Kramer, PVB by Eastman Chemical Co., 3/8" annealed glass

- **7/16" Laminated Glass Composition - Type "E"**
  - Item Description: 1/8" annealed glass, 2/8" pVB interlayer, 2/8" pVB interlayer by Kramer, PVB by Eastman Chemical Co., 3/8" annealed glass, 4/14" insulated air space, 3/16" annealed glass

**Commodity Sizes**

**Modular Sizes**

**Laminated Glass Types**

- Window sizes with glass types "E" installed above 3501 ft. in the HNZ, the I.G. exterior lite shall be tempered to comply with the small missile impact resistance requirements (FBC-2017, Chapter 24 Section S411.3.5.3).

**Notes:**

- Windows with glass types "E" installed above 3501 ft. in the HNZ, the I.G. exterior lite shall be tempered to comply with the small missile impact resistance requirements (FBC-2017, Chapter 24 Section S411.3.5.3).

**Diagram:**

- Image of laminated glass composition and modular sizes.

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**Product Revised:**

- 20-0841.07
- Expiration Date: 03/04/2024

**By:**

- Thomas J. Soto
- Miami-Dade Product Control
### Laminated Glass Types

**Laminated Glass Composition - Type "A"**

1. **1/8" Annealed Glass**
2. **0.060" PVIR Interlayer** by Solutex Americas Co.
3. **1/8" Annealed Glass**

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**Laminated Glass Composition - Type "B"**

1. **1/8" Heat-Strengthened Glass**
2. **0.060" PVIR Interlayer** by Solutex Americas Co.
3. **1/8" Heat-Strengthened Glass**

**Laminated Glass Composition - Type "C"**

1. **1/8" Heat-Strengthened Glass**
2. **0.060" Interlayer**
3. **1/8" Heat-Strengthened Glass**

**Laminated Glass Composition - Type "D"**

1. **1/8" Heat-Strengthened Glass**
2. **0.060" PVIR Interlayer** by Solutex Americas Co.
3. **3/16" Annealed Glass**

**Laminated Glass Composition - Type "E"**

1. **1/8" Annealed Glass**
2. **0.060" PVIR Interlayer** by Solutex Americas Co.
3. **3/8" Insulated Air Space**
4. **1/4" Insulated Air Space**
5. **1/8" Annealed Glass**

**GLAZING OPTION DETAILS**

**NOTE:** Windows with glass types "E" installed above 30ft. in the I.W.H.E. The I.G. exterior lite shall be tempered to comply with the small missile impact resistance requirements (FSC-2017, Chapter 24 Section 2411.3.5.7).