



DEPARTMENT OF REGULATORY AND ECONOMIC RESOURCES (RER)  
BOARD AND CODE ADMINISTRATION DIVISION

## NOTICE OF ACCEPTANCE (NOA)

MIAMI-DADE COUNTY  
PRODUCT CONTROL SECTION

11805 SW 26 Street, Room 208  
Miami, Florida 33175-2474  
T (786) 315-2590 F (786) 315-2599  
[www.miamidade.gov/building](http://www.miamidade.gov/building)

**Custom Window Systems, Inc.**  
1900 SW 44<sup>th</sup> Avenue  
Ocala, FL 34474

### 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 "7100 (Flange Frame)" Aluminum Single Hung Window – L.M.I.

**APPROVAL DOCUMENT:** Drawing No. CW-1249 Rev A (former L7700-0901), titled "Series-7100 Single Hung Flange Frame Impact Window", sheets 1 through 5 of 5, dated 12/18/23 and last revised on SEP 25, 2025, prepared by manufacturer, and 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 & renews** NOA No. 23-1010.03 (Lawson Industries Inc.) and consists of this page 1 and evidence pages E-1, E-2, E-3, E-4, E-5, E-6 and E-7, as well as approval document mentioned above.

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



NOA No. 25-0929.03  
Expiration Date: December 27, 2031  
Approval Date: October 23, 2025  
Page 1

**NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED**

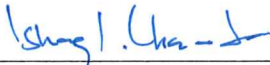
**1. EVIDENCE SUBMITTED UNDER PREVIOUS NOA's**

**A. DRAWINGS**

1. Manufacturer's die drawings and sections.  
*(Submitted under NOA No. 09-0706.09)*
2. Drawing No. **L7700-0901**, titled "Series-7700 Single Hung Flange Frame Impact Window", sheets 1 through 5 of 5, dated 05/27/09, with revision **F** dated 07/01/22, prepared by manufacturer, signed and sealed by Thomas J. Sotos, P.E.  
*(Submitted under NOA No. 22-0719.01)*

**B. TESTS**

1. Test reports on: 1) Uniform Static Air Pressure Test, Loading per FBC TAS 202-94  
2) Large Missile Impact Test per FBC, TAS 201-94  
3) Cyclic Wind Pressure Loading per FBC, TAS 203-94  
along with marked-up drawings and installation diagram of 3 specimens of a series 7700 impact single hung window, O/X configuration, prepared by QAI Laboratories, Test Report No. **QAI-13092**, dated 06/10/22, signed and sealed by Idalmis Ortega, P.E.  
*(Submitted under NOA No. 22-0719.01)*
2. Test reports on: 1) Uniform Static Air Pressure Test, Loading per FBC TAS 202-94  
2) Large Missile Impact Test per FBC, TAS 201-94  
3) Cyclic Wind Pressure Loading per FBC, TAS 203-94  
along with marked-up drawings and installation diagram of an aluminum single hung window, prepared by Hurricane Engineering & Testing, Inc., Test Reports No. **HETI-09-2530A** and **HETI-09-2530B**, dated 03/02/09, signed and sealed by Candido F. Font, P.E.  
*(Submitted under NOA No. 09-0706.09)*
3. Test reports on: 1) Uniform Static Air Pressure Test, Loading per FBC TAS 202-94  
2) Large Missile Impact Test per FBC, TAS 201-94  
3) Cyclic Wind Pressure Loading per FBC, TAS 203-94  
along with marked-up drawings and installation diagram of an aluminum single hung window, prepared by Hurricane Engineering & Testing, Inc., Test Reports No. **HETI-08-2003C**, **HETI-08-2004A**, **HETI-08-2060A & B**, **HETI-08-2061A & B**, **HETI-08-2062A & B**, **HETI-08-2063A & B**, **HETI-08-2064A & B**, dated 03/15/08, signed and sealed by Candido F. Font, P.E.  
*(Submitted under NOA No. 08-0825.17)*



Ishaq I. Chanda, P.E.

Product Control Unit Supervisor

NOA No. 25-0923.03

Expiration Date: December 27, 2031

Approval Date: October 23, 2025

**NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED**

**1. EVIDENCE SUBMITTED UNDER PREVIOUS NOA's (CONTINUED)**

**B. TESTS (CONTINUED)**

4. 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, TAS 202-94  
along with marked-up drawings and installation diagram of an aluminum single hung window, prepared by Fenestration Testing Laboratory, Inc., Test Reports No. **FTL-2987** and **FTL-2986**, dated 04/03/01 and 03/27/01 respectively, both signed and sealed by Luis Antonio Figueredo, P.E.  
*(Submitted under NOA No. 01-1009.01)*

**C. CALCULATIONS**

1. Anchor verification calculations and structural analysis, complying with FBC 7<sup>th</sup> Edition (2020), dated 05/28/09, revised on 01/18/10 and updated on 07/12/22, prepared by manufacturer, signed and sealed by Thomas J. Sotos, P.E.  
*(Submitted under NOA No. 22-0719.01)*
2. Glazing complies with **ASTM E1300-09**

**D. QUALITY ASSURANCE**

1. Miami-Dade Department of Regulatory and Economic Resources (RER).

**E. MATERIAL CERTIFICATIONS**

1. Notice of Acceptance No. **20-0915.19** issued to **Kuraray America, Inc.** for their "**SentryGlas® (Clear and White) Glass Interlayers**" dated 11/19/20, expiring on 07/04/23.
2. Notice of Acceptance No. **20-0915.22** issued to **Kuraray America, Inc.** for their "**Trosifol® Ultraclear, Clear and Color PVB Glass Interlayers**" dated 11/19/20, expiring on 07/08/24.
3. Notice of Acceptance No. **21-0216.01** issued to **Eastman Chemical Company (MA)** for their "**Saflex PVB Interlayers - Clear and Colored for Glass**" dated 04/29/21, expiring on 05/21/26.
4. Notice of Acceptance No. **20-0622.03** issued to **Eastman Chemical Company (MA)** for their "**Saflex Storm - Saflex and Saflex HP Composite Glass Interlayers with PET Core**" dated 08/06/20, expiring on 12/11/23.



**Ishaq I. Chanda, P.E.**

**Product Control Unit Supervisor**

**NOA No. 25-0923.03**

**Expiration Date: December 27, 2031**

**Approval Date: October 23, 2025**

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

**1. EVIDENCE SUBMITTED UNDER PREVIOUS NOA's**  
**F. STATEMENTS**

1. Statement letter of conformance, complying with **FBC 7<sup>th</sup> Edition (2020)**, dated July 12, 2022, issued by the manufacturer, signed and sealed by Thomas J. Sotos, P.E.  
*(Submitted under NOA No. 22-0719.01)*
2. Statement letter of no financial interest, dated July 12, 2022, issued by the manufacturer, signed and sealed by Thomas J. Sotos, P.E.  
*(Submitted under NOA No. 22-0719.01)*
3. Proposal No. **22-0505** issued by the Product Control Section, dated May 12, 2022, signed by Manuel Perez, P.E.  
*(Submitted under NOA No. 22-0719.01)*
4. Laboratory compliance letter for Test Report No. **HETI-09-2530A & B**, issued by Hurricane Engineering & Testing, Inc., dated 03/02/09, signed and sealed by Candido F. Font, P.E.  
*(Submitted under NOA No. 09-0706.09)*
5. Laboratory compliance letter for Test Reports No. **HETI-08-2003C, HETI-08-2004A, HETI-08-2060A & B, HETI-08-2061A & B, HETI-08-2062A & B, HETI-08-2063A & B, HETI-08-2064A & B**, issued by Hurricane Engineering & Testing, Inc., dated 03/15/08, signed and sealed by Candido F. Font, P.E.  
*(Submitted under NOA No. 08-0825.17)*
6. Laboratory compliance letter for Test Reports No. **FTL-2987** and **FTL-2986**, issued by Fenestration Testing Laboratory, Inc., dated 04/03/01 and 03/27/01, signed and sealed by Luis Antonio Figueredo, P.E.  
*(Submitted under NOA No. 01-0406.08)*

**G. OTHERS**

1. Notice of Acceptance No. **20-0813.07**, issued to Lawson Industries, Inc. for their Series "SH-7700 (Flange Frame)" Aluminum Single Hung Window – L.M.I., approved on 12/17/20 and expiring on 12/27/26.



Ishaq I. Chanda, P.E.

Product Control Unit Supervisor

NOA No. 25-0923.03

Expiration Date: December 27, 2031

Approval Date: October 23, 2025

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

**2. EVIDENCE SUBMITTED under previous approval(CONTINUED)**

**A. DRAWINGS**

1. Drawing No. **L7700-0901**, titled "Series-7700 Single Hung Flange Frame Impact Window", sheets 1 through 5 of 5, dated 05/27/09, with revision **G** dated 09/22/23, prepared by manufacturer, 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  
2) Large Missile Impact Test per FBC, TAS 201-94  
3) Cyclic Wind Pressure Loading per FBC, TAS 203-94  
along with marked-up drawings and installation diagram of a series SH-7700 aluminum single hung window, prepared by Hurricane Engineering & Testing, Inc., Test Report No. **HETI-23-8049**, dated 07/24/23, signed and sealed by Ram N. Tewari, P.E.

**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. **22-1116.01** issued to **Kuraray America, Inc.** for their "**SentryGlas® (Clear and White) Glass Interlayers**" dated 12/15/22, expiring on 07/04/28.
2. Notice of Acceptance No. **20-0915.22** issued to **Kuraray America, Inc.** for their "**Trosifol® Ultraclear, Clear and Color PVB Glass Interlayers**" dated 11/19/20, expiring on 07/08/24.
3. Notice of Acceptance No. **21-0216.01** issued to **Eastman Chemical Company (MA)** for their "**Saflex PVB Interlayers - Clear and Colored for Glass**" dated 04/29/21, expiring on 05/21/26.
4. Notice of Acceptance No. **22-1130.05** issued to **Eastman Chemical Company (MA)** for their "**Saflex Storm - Saflex and Saflex HP Composite Glass Interlayers with PET Core**" dated 01/26/23, expiring on 12/11/28.



Ishaq I. Chanda, P.E.

Product Control Unit Supervisor

NOA No. 25-0923.03

Expiration Date: December 27, 2031

Approval Date: October 23, 2025

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

2. **EVIDENCE SUBMITTED previous approval(CONTINUED)**

F. **STATEMENTS**

1. Statement letter of conformance, complying with **FBC 8<sup>th</sup> Edition (2023)**, dated October 4, 2023, issued by the manufacturer, signed and sealed by Thomas J. Sotos, P.E.
2. Statement letter of no financial interest, dated October 4, 2023, issued by the manufacturer, signed and sealed by Thomas J. Sotos, P.E.
3. Proposal No. **23-0461R** issued by the Product Control Section, dated June 13, 2023 and revised on June 16, 2023, signed by Manuel Perez, P.E.

G. **OTHERS**

1. Notice of Acceptance No. **22-0719.01**, issued to Lawson Industries, Inc. for their Series "SH-7700 (Flange Frame)" Aluminum Single Hung Window – L.M.I., approved on 08/11/22 and expiring on 12/27/26.



Ishaq I. Chanda, P.E.

Product Control Unit Supervisor

NOA No. 25-0923.03

Expiration Date: December 27, 2031

Approval Date: October 23, 2025

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

**3. NEW EVIDENCE SUBMITTED**

**A. DRAWINGS**

1. Drawing No. **CW-1249 Rev A** (former **L7700-0901**), titled "Series-7100 Single Hung Flange Frame Impact Window", sheets 1 through 5 of 5, dated 12/18/23 and last revised on SEP 25, 2025, prepared by manufacturer, and signed and sealed by Thomas J. Sotos, P.E.

**B. TESTS** (Submitted under previous approval)

1. None.

**C. CALCULATIONS** (Submitted under previous approval)

1. None.

**D. QUALITY ASSURANCE**

1. Miami-Dade Department of Regulatory and Economic Resources (RER).

**E. MATERIAL CERTIFICATIONS**

1. Notice of Acceptance No. **22-1116.01** issued to **Kuraray America, Inc.** for their "**SentryGlas® (Clear and White) Glass Interlayers**" expiring on 07/04/28.
2. Notice of Acceptance No. **24-0205.08** issued to **Kuraray America, Inc.** for their "**Trosifol® Ultraclear, Clear and Color PVB Glass Interlayers**", expiring on 07/08/29.
3. Notice of Acceptance No. **21-0216.01** issued to **Eastman Chemical Company (MA)** for their "**Saflex PVB Interlayers - Clear and Colored for Glass**", expiring on 05/21/26.
4. Notice of Acceptance No. **22-1130.05** issued to **Eastman Chemical Company (MA)** for their "**Saflex Storm - Saflex and Saflex HP Composite Glass Interlayers with PET Core**", expiring on 12/11/28.



Ishaq I. Chanda, P.E.

Product Control Unit Supervisor

NOA No. 25-0923.03

Expiration Date: December 27, 2031

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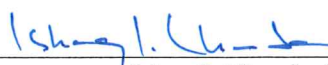
**NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED**

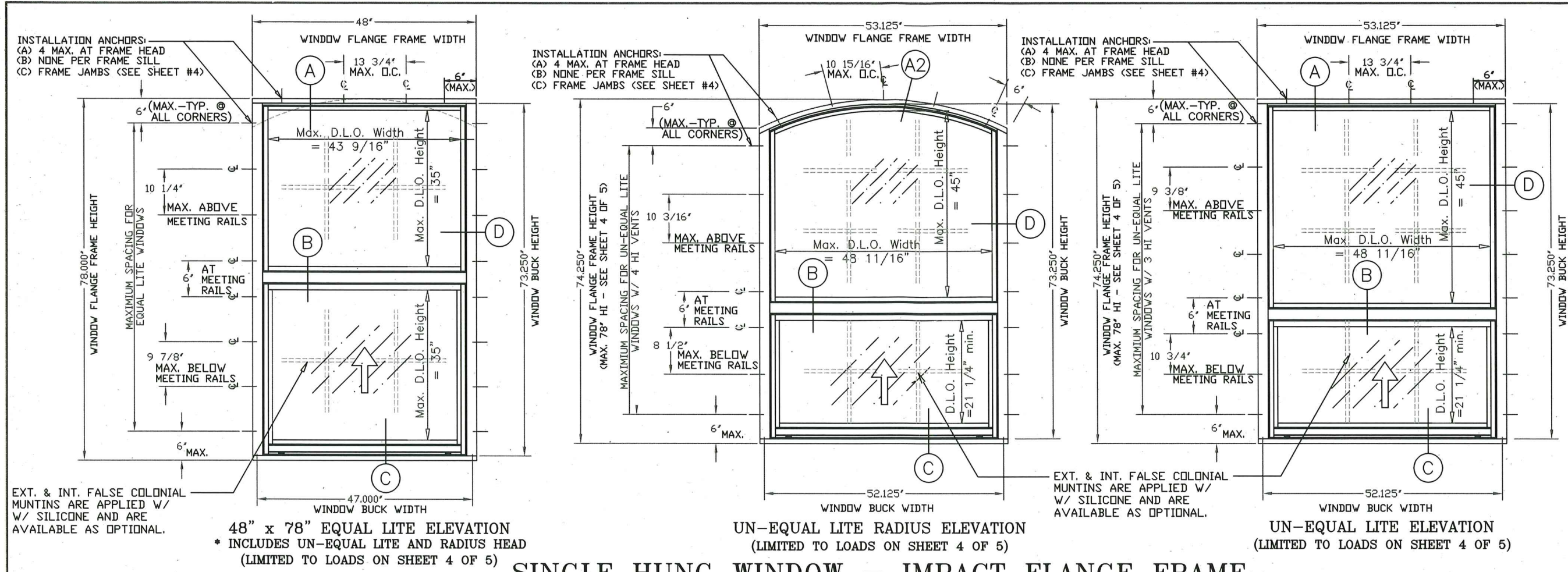
**F. STATEMENTS**

1. Statement letter of conformance, complying with FBC 8<sup>th</sup> Edition (2023), No financial interest to the lab and the DWG is the same as NOA# **23-1010.03** dated SEP 25, 2025, signed and sealed by Thomas J. Sotos, P.E.
2. Statement letter dated June 25, 2025, issued by Custom Window Systems, Inc. (CWS) that they have legally purchased all assets of (18) listed NOA(s) from Lawson Industries, Inc. and requesting that new corresponding NOA(s) be issued to CWS name. Also, CWS request that (18) listed Private label Agreement NOA(s) between Lawson Industries Inc. and Custom Window System are to be rescinded, signed by Kevin Pine, Vice President CWS.
3. Statement letter dated June 5, 2025, confirming that Custom Window System, Inc. is a wholly owned subsidiary of Pella corporation, signed by Chantel Kramme, Secretary Pella Corp.
4. Statement letter dated June 10, 25 issued by Lawson Industries LLC, that they have legally sold all assets of existing NOA(s) listed in this letter, know how, equipment/machinery and given up all the rights and request to rescind these NOA(s), signed by Harold Bailey, President Lawson Industry, LLC.

**G. OTHERS**

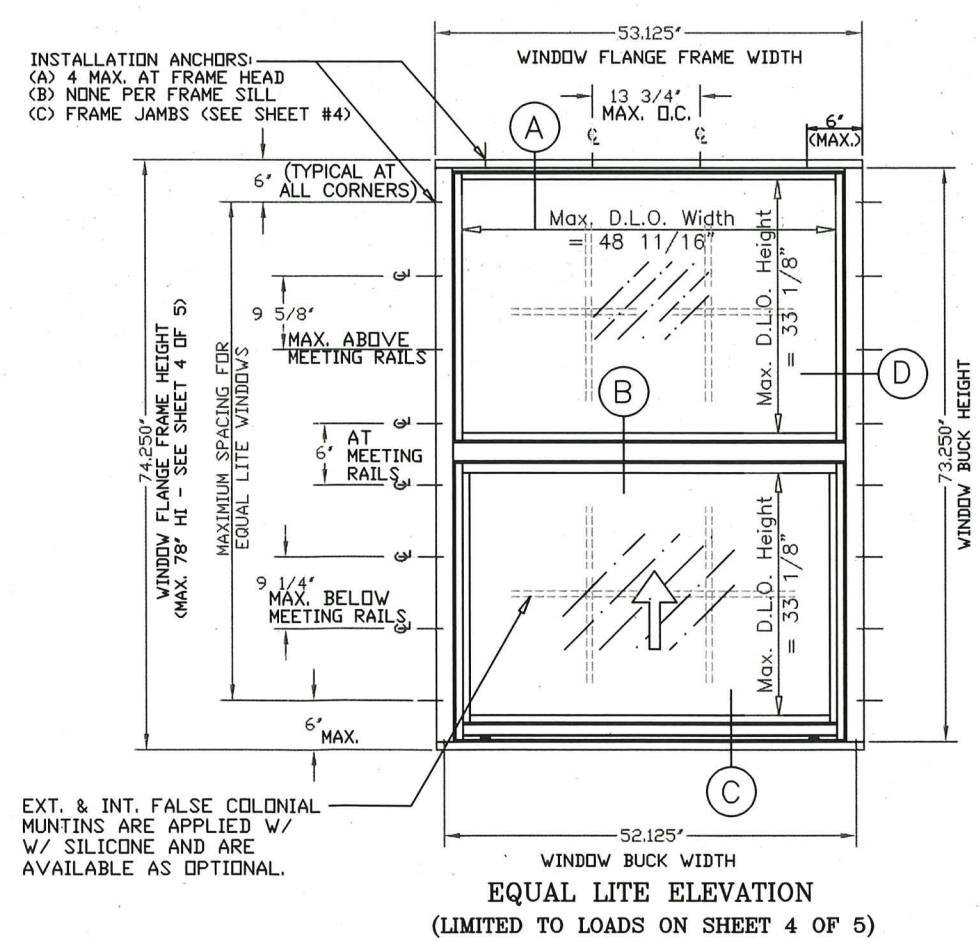
1. This NOA **revises & renews NOA No. 23-1010.03 (Lawson Industries Inc.)**, expiring 12/27/31.
2. Bill of Sales dated Nov. 28, 2023, between CWS-SF, LLC (Buyer) and Lawson Industries, Inc. (seller), signed by Nicolas Cross (president CWS) and Harold Bailly (president Lawson industries).
3. Meeting summary dated May 15, 2025, and June 24, 2025, issued by RER, Product Control Section.
4. The NOA # **23-1010.03**, issued to Lawson Industries Inc. for series "**SH-7700** (Flanged Frame) Aluminum Single Hung Window-LMI, expiring 12/27/2026. (**This NOA to be rescinded**).
5. NOA #**24-0116.05**, issued to Custom windows System Inc., for the series "7100 (flange frame) Aluminum Single Hung Window-LMI, expiring 12/27/2026. (**This Private label NOA with Lawson Industries Inc., to be rescinded**)

  
\_\_\_\_\_  
Ishaq I. Chanda, P.E.  
Product Control Unit Supervisor  
NOA No. 25-0923.03  
Expiration Date: December 27, 2031  
Approval Date: October 23, 2025



**General Notes:**

- 1.) THIS WINDOW SYSTEM IS DESIGNED AND TESTED TO COMPLY WITH THE REQUIREMENTS OF THE FLORIDA BUILDING CODE (2023-8th Edition) INCLUDING HIGH VELOCITY HURRICANE ZONE VELOCITY (HVHZ) AND ASTM 1300-16. THIS PRODUCT IS LARGE MISSILE IMPACT RESISTANT. (SHUTTERS NOT REQUIRED)
- 2.) WOOD BUCKS SHALL BE INSTALLED AND ANCHORED SO THAT THE BUILDING RESISTS THE SUPERIMPOSED LOADS IN ACCORDANCE WITH THE REQUIREMENTS OF THE F.B.C. & TO BE REVIEWED BY BUILDING OFFICIAL.
- 3.) ANCHORS SHOWN ABOVE ARE AS PER TEST UNITS. ANCHORS ON ALL WINDOW SIZES ARE NOT TO EXCEED THESE MAXIMUM SPACINGS ON CENTER (O.C.) AND AS TABULATED ON SHEET 4.
- 4.) ANCHOR CONDITIONS NOT DESCRIBED IN THESE DRAWING'S ARE TO BE ENGINEERED ON A SITE SPECIFIC BASIS, UNDER SEPARATE APPROVAL AND TO BE REVIEWED BY BUILDING OFFICIAL.
- 5.) WINDOWS ARE QUALIFIED FOR USE WITH SINGLE GLAZE LAMINATED GLASS TYPES TABULATED HEREIN (SEE SHEET #3), AND FOR USE WITH DOUBLE GLAZE LAMINATED INSULATED GLASS TYPES TABULATED HEREIN (SEE SHEET #3).
- 6.) SEE SHEET 3 FOR LOCK DETAILS & OPTIONS.
- 7.) SEE SHEET 4 FOR DESIGN PRESSURES AND GLASS TYPES.
- 8.) FOR OPTIONAL FRAME INSTALLATION DETAILS SEE SHEET 3.
- 9.) EXT. & INT. FALSE COLONIAL MUNTINS ARE OPTIONAL & AND ARE APPLIED W/ SILICONE
- 10.) WOOD BUCKS IN CONTACT WITH CONCRETE MUST BE PRESSURE TREATED AND ANCHORED (BY OTHERS), PRIOR TO WINDOW INSTALLATION. (SEE SHEET #2 FOR DETAIL & NOTES) WOOD BUCKS TO BE ANCHORED IN COMPLIANCE WITH THE FBC CHAPTER 24, SECTION 11.3.3.3.
- 11.) APPROVAL APPLIES TO SINGLE UNITS OR SIDE BY SIDE MULLED UNITS.
- 12.) MULLING SINGLE HUNG WINDOWS WITH OTHER TYPES OF MIAMI-DADE COUNTY APPROVED WINDOWS USING A MIAMI-DADE COUNTY APPROVED MULLION IN BETWEEN ARE ACCEPTABLE BUT THE LOWER DESIGN PRESSURE FROM THE WINDOWS OR MULLION APPROVAL WILL APPLY TO THE ENTIRE MULLED SYSTEM.
- 13.) SEE SHEET # 3 FOR MULLION/METAL ATTACHMENT DETAILS & OPTIONS.
- 14.) ALL METAL/STEEL IN CONTACT WITH ALUMINUM OR OTHER DISSIMILAR MATERIALS TO BE PAINTED OR PLATED AND SHALL MEET THE FLORIDA BLDG. CODE.



PRODUCT REVISED  
as complying with the Florida  
Building Code  
Acceptance No 25-0929.03  
Expiration Date 12/27/2031  
By Ishay I. L...  
Miami Dade Product Control

1900 SW 44TH AVE.  
OCALA, FLORIDA 34474  
WWW.CWS.CC

**7100 ALUMINUM  
SINGLE HUNG - IMPACT  
FLANGE FRAME**

| REVISIONS |                          | DATE:    |
|-----------|--------------------------|----------|
| NO.       | DESCRIPTION:             | BY:      |
| A         | Revises NDA # 23-1010.03 | NE.      |
|           |                          | 09/05/25 |

DATE: SEP 25 2025

**THOMAS J. SOTOS, P.E.**  
FL P.E. LIC. # 55225

**SHEET DESCRIPTION:**  
APPROVED ELEVATIONS,  
CONFIGURATIONS AND  
NOTES

|           |            |
|-----------|------------|
| DRAWN BY: | DATE:      |
| N. Erazo  | 12/18/2023 |
| REV. BY:  | DATE:      |
| N. Erazo  | 09/05/2025 |
| DWG #:    | REV #:     |
| CWS-1249  | A          |
| SCALE:    | SHEET      |
| ---       | 1 OF 5     |

1/4" TAPCON W/ 1 1/4" MIN. EMBEDMENT INTO CONC. (SEE ELEVATION AT SHEET #1 FOR MAX. FASTENER SPACING)

ALL WOOD BUCKS ENGINEERED SEPARATELY & TO BE REVIEWED BY BLDG. OFFICIAL (TYP.)  
P.T. WOOD BUCK NOT BY CWS MUST SUSTAIN IMPOSED LOADS

#14 S.M.S. W/ 1 1/4" MIN. EMBEDMENT INTO WOOD. (SEE ELEVATION AT SHEET #1 FOR MAX. FASTENER SPACING)

SILICONE ADHESIVE BEDDING COMPOUND

LAMINATED GLASS

P.T. WOOD BUCKS

1/4" TAPCON W/ 1 1/4" MIN. EMBEDMENT INTO CONC. (SEE ELEVATION AT SHEET #1 FOR MAX. FASTENER SPACING)

1 1/4" MIN. EMBEDMENT

EXT. GRADE CAULK

INTERIOR

EXTERIOR

EXTERIOR GRADE PERIMETER CAULKING

WINDOW FRAME WIDTH

1 1/8" MIN. EDGE DISTANCE

EXTERIOR GRADE PERIMETER CAULKING

SILICONE ADHESIVE BEDDING COMPOUND

LAMINATED GLASS

H.D. MEETING RAIL W/ +80.0 & -92.0 DP SEE DETAIL AT SHEET 5 OF 5.

EXTERIOR

INTERIOR

MEETING RAILS

1" MIN. EDGE DISTANCE

#14 S.M.S. W/ 1 1/4" MIN. EMBEDMENT INTO WOOD. (SEE ELEVATION AT SHEET #1 FOR MAX. FASTENER SPACING)

1" MIN. EDGE DISTANCE

EXT. GRADE CAULK

EXT. GRADE CAULK

### WINDOW INSTALLATION NOTES:

1. THE WINDOW FRAME FLANGE TO BE BACK-BEDDED W/ AN EXT. GRADE CAULK THROUGHOUT THE ENTIRE PERIMETER OF FLANGE BY WINDOW INSTALLER (TYP.)
2. THE EXPOSED EXT. PERIMETER OF THE WINDOW FRAME TO BE SEALED W/ AN APPROVED EXTERIOR GRADE CAULK BY OTHERS (TYP.)

\* WHEN THE GAP BETWEEN THE WINDOW FRAME AND THE BUCK OR MASONRY IS LESS THAN 1/8", SHIMS ARE NOT REQUIRED.

### ANCHORS NOTE:

ANCHORS TO BE #12 SMS OR WD. SCREWS INTO WOOD, OR 1/4" TAPCONS or APPROVED CONC. FASTENERS INTO CONC., WITH A MINIMUM OF 1 1/4" PENETRATION INTO WOOD OR CONC. (REFER TO LOAD TABLES AT SHEET 4 OF 5 FOR QUANTITIES REQUIRED)

EXTERIOR GRADE PERIMETER CAULKING

EXT. GRADE CAULK

1/4" MAX. SHIM TYP

SILL ANCHOR CLIP

#14 X 1 3/4" S.M.S. SEE ELEVATION FOR FASTENER SPACING

3/16" MAX. SHIM

NOTE: 6" LONG CLIP (\* 1X ANCHOR) ON EQUAL LITE WINDOWS WITH GLASS TYPE #8 - SEE SHEET 4 OF 5.  
(\* ALL ANCHORS AT SILL SHALL MATCH THE ANCHORS SPACING AT FRAME HEAD)

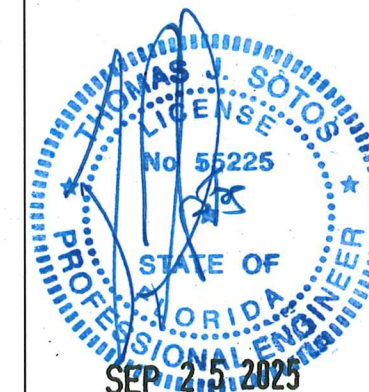
PRODUCT REVISED as complying with the Florida Building Code  
Acceptance No. 25-0929-03  
Expiration Date 12/27/31  
By *Ishtay I. Chank*  
Miami Dade Product Control



1900 SW 44TH AVE.  
OCALA, FLORIDA 34474  
WWW.CWS.CC

## 7100 ALUMINUM SINGLE HUNG - IMPACT FLANGE FRAME

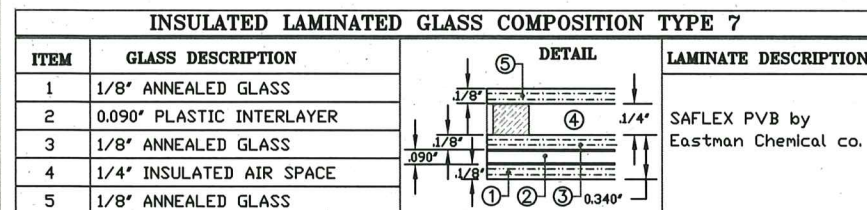
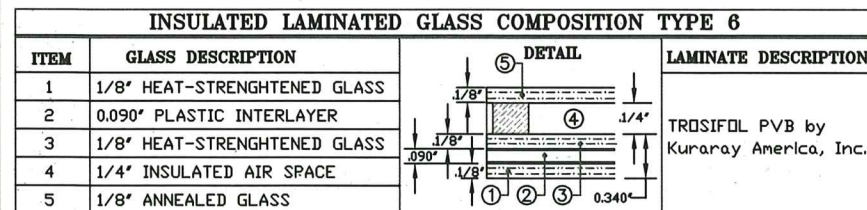
| NO. | DESCRIPTION              | BY | DATE     |
|-----|--------------------------|----|----------|
| A   | Revises NDA # 23-1010.03 | NE | 09/05/25 |



DATE  
THOMAS J. SOTOS, P.E.  
FL P.E. LIC. # 55225

SHEET DESCRIPTION:  
WINDOW VERTICAL AND  
HORIZONTAL CROSS SECTION,  
DETAILS & NOTES

|           |            |
|-----------|------------|
| DRAWN BY: | DATE:      |
| N. Erazo  | 12/18/2023 |
| REV. BY:  | DATE:      |
| N. Erazo  | 09/05/2025 |
| DWG #:    | REV #:     |
| CWS-1249  | A          |
| SCALE:    | SHEET      |
| ---       | 2 OF 5     |



33 **Insulated Spacer Types & Options**

33 a) "TrueSeal" Swiggle Seal

33 b) "Quanex" SuperSpacer w/ Isomelt M

33 c) "Quanex" Duraseal

- 1) SEE SHEET 4 OF 5 FOR DESIGN LOADS LOAD CAPACITY TABLES.
- 2) WINDOWS WITH GLASS TYPES "6 & 7" INSTALLED ABOVE 30ft IN THE HVHZ, THE I.G. IN THE EXTERIOR LITE SHALL BE TEMPERED TO COMPLY WITH THE SMALL MISSILE IMPACT RESISTANCE REQUIREMENTS (FBC-2023, Chapter 24 Section 2411.3.3.7).

ALUMINUM MULLION

SEE MULLION APPROVALS FOR  
MULLION TYPE, SIZE AND MAX.  
DESIGN PRESSURE LIMITATIONS.  
(ALUM. 0.078" MIN. THICK)

NOTE: THE LOWER PRESSURES OF SINGLE  
HUNG WINDOW OR MULL SHALL GOVERN

# 12 X 3/4" S.D.S.  
FLAT HEAD, PHILLIPS.  
(SEE ELEVATION AND  
DP TABLES FOR QUANTITY  
AND FASTENER SPACING)

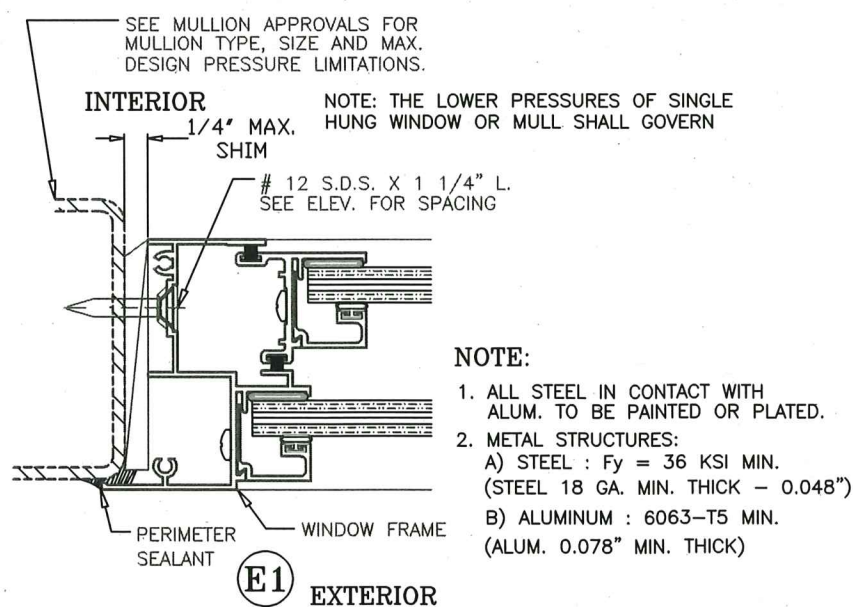
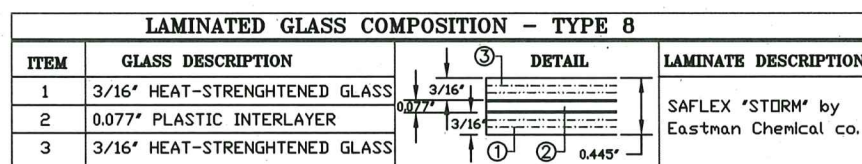
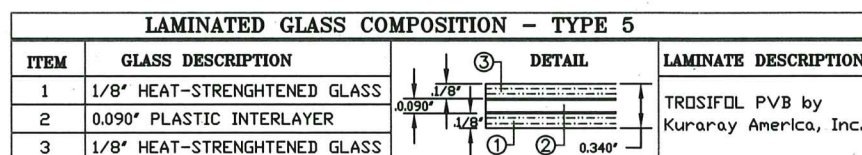
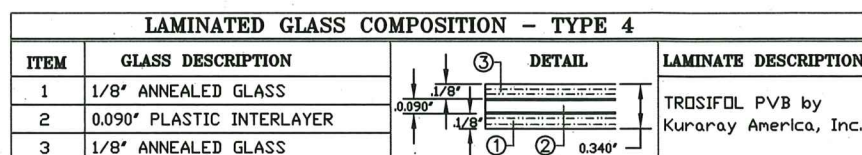
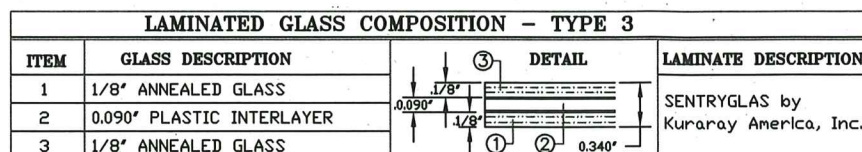
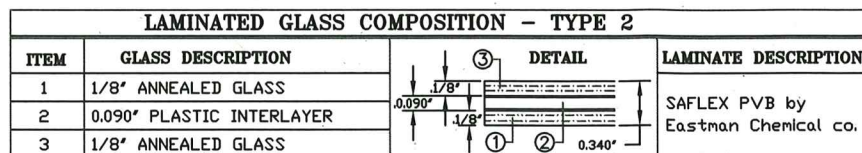
INTERIOR

EXTERIOR

EXTERIOR GRADE  
PERIMETER CAULKING

E2

FRAME MULLING DETAIL



#14 S.M.S. W/ 1 1/4" MIN. EMBEDMENT INTO WOOD.  
(SEE ELEVATION AT SHEET #1 FOR MAX. FASTENER SPACING)

INTERIOR FINISH NOT BY CWS

1/4" MAX. SHIM SPACE

INTERIOR

2X 2X

WEATHERPROOF MOISTURE BARRIER BY OTHERS (TYP.)

1" MIN. EDGE DISTANCE

1 1/4" MIN. EMBEDMENT

EXT. GRADE BACK BEDDING TO BE APPLIED BEHIND WINDOW FRAME FLANGE BY INSTALLER (TYP.)

EXTERIOR

EXT. GRADE PERIMETER CAULKING NOT BY CWS TO BE APPLIED BY OTHERS (TYP.)

(C1) JAMB

STUCCO OVER METAL LATH NAILED TO EXTERIOR GRADE PLYWOOD SHEATHING TO BE SPECIFIED BY ARCHITECT OR G.C. (EXTERIOR FINISH BY OTHERS) NOT BY CWS

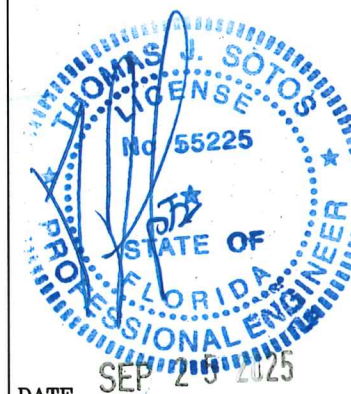
1. BOTH EXTRUDED ALUMINUM AND PLASTIC LIFT HANDLE LOCKS ARE QUALIFIED FOR USE ON ALL WINDOWS.
2. BOTH DIE CAST AND NYLON CAM LOCKS ARE QUALIFIED FOR USE ON ALL WINDOWS.
3. TWO (2) LOCKS ARE REQUIRED PER EACH VENT.



**CWS**

1900 SW 44TH AVE.  
OCALA, FLORIDA 34474  
WWW.CWS.CC

**7100 ALUMINUM  
SINGLE HUNG - IMPACT  
FLANGE FRAME**

[illegible]

DATE SEP 23 2013

**THOMAS J. SOTOS, P.E.**  
**FL P.E. LIC. # 55225**

|                    |
|--------------------|
| SHEET DESCRIPTION: |
|--------------------|

GLAZING DETAILS, LOCK  
OPTIONS, MULLING DETAIL  
& OPTIONAL INSTALLATION  
DETAILS.

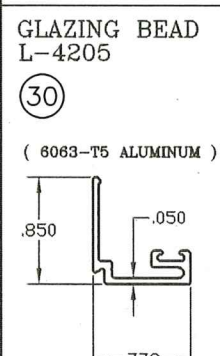
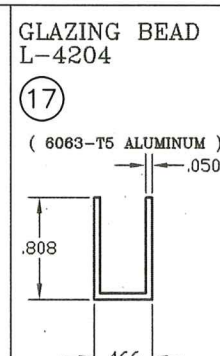
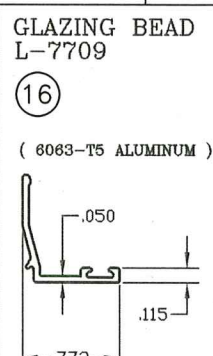
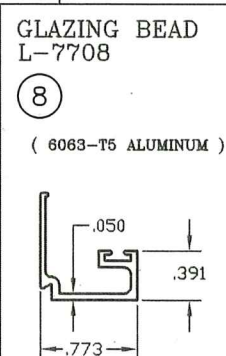
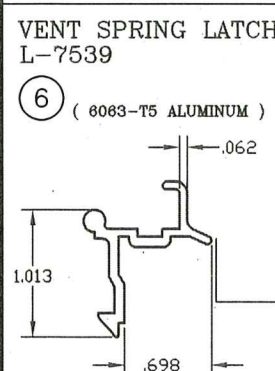
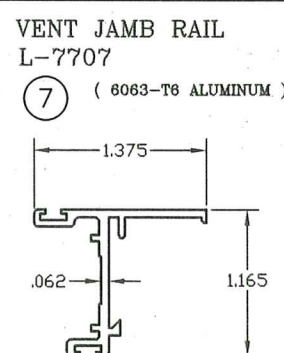
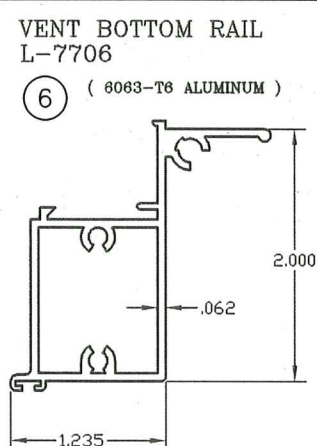
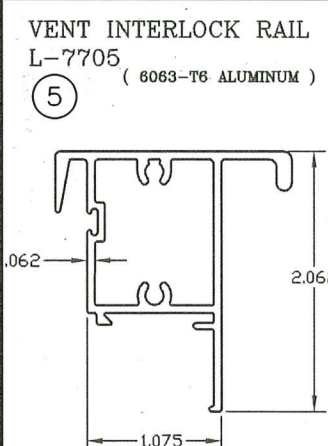
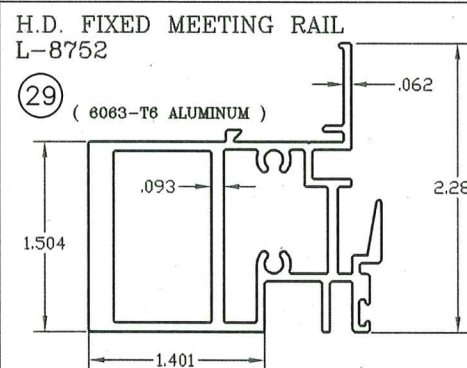
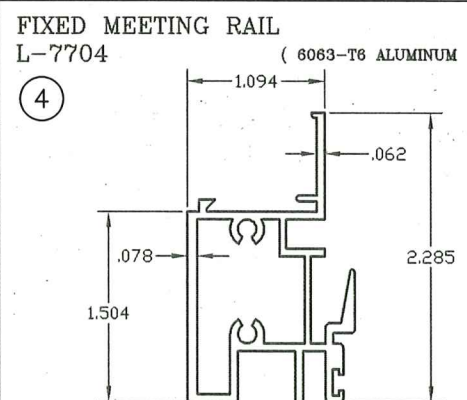
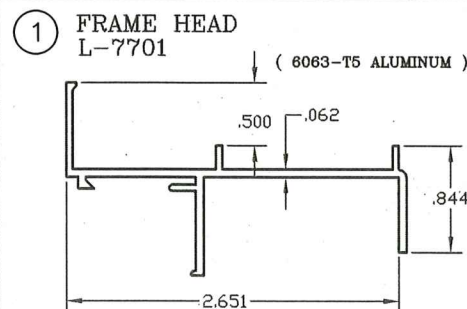
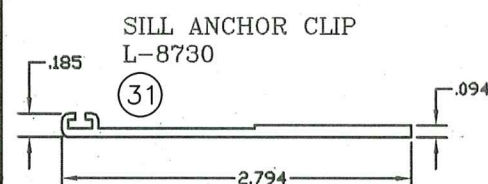
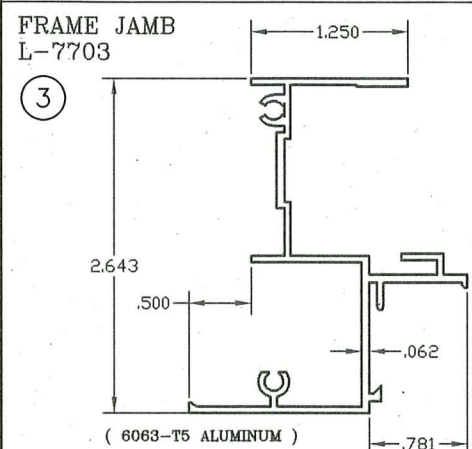
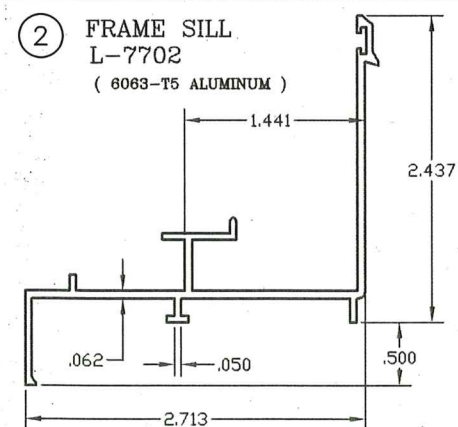
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| DRAWN BY: | DATE:      |
| N. Erazo  | 12/18/2023 |

|          |            |
|----------|------------|
| REV. BY: | DATE:      |
| N. Erazo | 09/05/2025 |

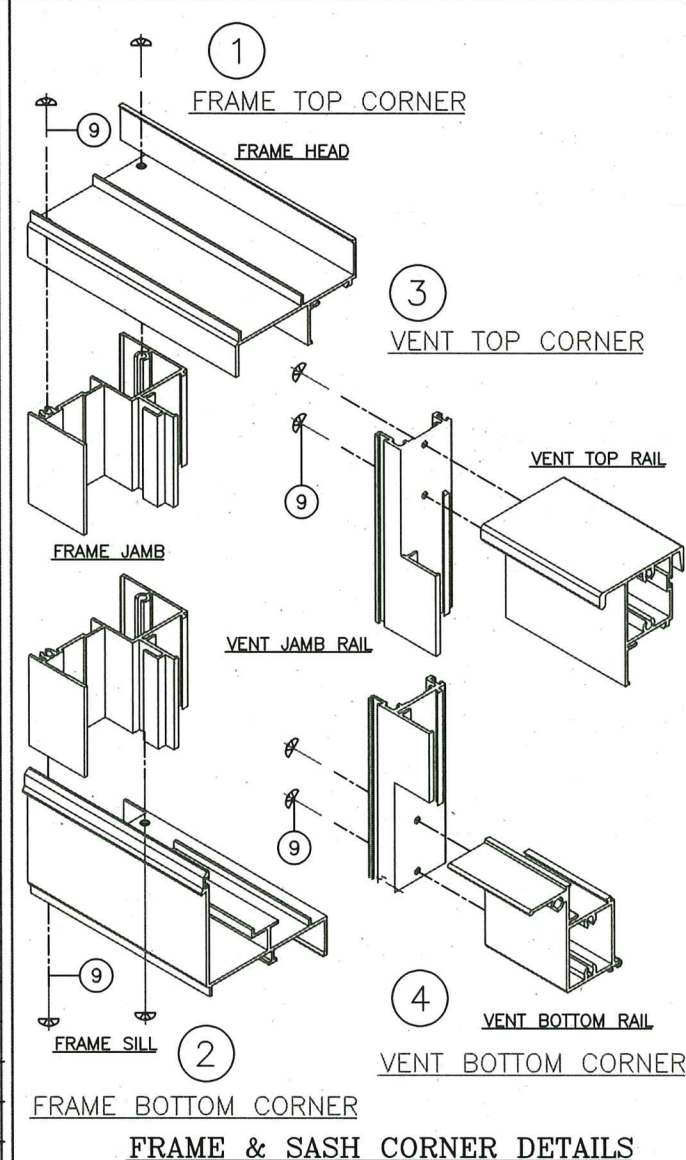
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| DWG #:   | REV #: |
| CWS-1249 | A      |

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| SCALE: | SHEET<br>3 OF 5 |
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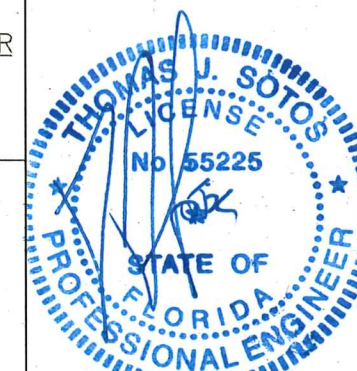


| BILL OF MATERIALS |          |            |                          |                         |
|-------------------|----------|------------|--------------------------|-------------------------|
| ITEM #            | PART #   | REQD.      | DESCRIPTION              | REMARKS                 |
| 1                 | L-7801   | 1          | FLANGE FRAME HEAD        | 6063-T6 ALUMINUM        |
| 2                 | L-7802   | 1          | FLANGE FRAME SILL        | 6063-T6 ALUMINUM        |
| 3                 | L-7803   | 2          | FLANGE FRAME JAMB        | 6063-T6 ALUMINUM        |
| 4                 | L-7704   | 1          | FRAME FIXED MEETING RAIL | 6063-T6 ALUMINUM        |
| 5                 | L-7705   | 1          | VENT MEETING (TOP) RAIL  | 6063-T6 ALUMINUM        |
| 6                 | L-7706   | 1          | VENT BOTTOM (LATCH) RAIL | 6063-T6 ALUMINUM        |
| 7                 | L-7707   | 2          | VENT JAMB (SIDE) RAIL    | 6063-T6 ALUMINUM        |
| 8                 | L-7708   | AS REQ'D.  | GLAZING BEAD ( 5/16" )   | 6063-T5 ALUMINUM        |
| 9                 | FS-006   | AS REQ'D.  | ASSEMBLY SCREWS          | #8 X 1" P.H. PHILLIPS   |
| 10                | FS-040   | AS REQD.   | INSTALLATION SCREWS      | #14 X 1 1/4" F.H./PHIL. |
| 11                | L-7531   | AS REQ'D.  | BULB VINYL WTS'P         | 1/4" DIA. BULB #3033    |
| 12                | PWS-003  | AS REQ'D.  | FIN SEAL WEATHERSTRIP    | .187"x.230"             |
| 13                | PWS-005  | AS REQ'D.  | FIN SEAL WEATHERSTRIP    | .187"x.350"             |
| 14                | PWS-009  | AS REQ'D.  | FIN SEAL WEATHERSTRIP    | .187"x.310"             |
| 15                | *        | 2          | SELF ADHESIVE FOAM PAD   | 1/2" X 1/2" X 2" L.     |
| 16                | L-7709   | AS REQ'D.  | GLAZING BEAD/ INSULATED  | 6063-T5 ALUMINUM        |
| 17                | L-4204   | AS REQ'D.  | GLAZING BEAD - RADIUS    | 6063-T5 ALUMINUM        |
| 18                | L-7723   | 1          | SASH BALANCE CAM/GUIDE   | (2 X VENT)              |
| 19                | L-7725   | 2          | RIGID VINYL SASH STOP    | (2 X FRAME)             |
| 20                | L-7727   | 2          | BLOCK & TACKLE BALANCE   | BSI Balance Systems     |
| 21                | L-7539   | 2          | VENT LIFT LATCH          | 6063-T5 ALUMINUM        |
| 22                | L-7523   | 1X LATCH   | VENT LATCH SPRING        | STAINLESS STEEL         |
| 23                | *        | AS REQ'D.  | GLAZING SILICONE         | SEE GLAZING @ SHT. 3    |
| 24                | *        | 2          | Laminated Glass          | SEE GLAZING DETAILS     |
| 25                | HC-057-1 | 2          | VENT LIFT LATCH          | MOLDED NYLON            |
| 26                | HC-058-1 | 2          | VENT SWEEP LATCH         | MOLDED NYLON            |
| 27                | *        | 2          | FRAME SILL FOAM GASKET   | SELF ADHESIVE           |
| 28                | HC-026-1 | 1          | SCREEN FRAME & MESH      |                         |
| 29                | L-8752   | 1          | H.D. FIXED MEETING RAIL  | 6063-T6 ALUMINUM        |
| 30                | L-4205   | AS REQ'D.  | GLAZING BEAD ( 7/16" )   | 6063-T5 ALUMINUM        |
| 31                | L-8730   | 1 X Anchor | FRAME SILL ANCHOR CLIP   | 6063-T5 ALUMINUM        |
| 32                | L-7730   | 1          | PRODUCT LABEL            |                         |
| 33 a              | Truaseal | AS REQ'D.  | INSULATED Swiggle Spacer | 1/4" Air Space          |
| 33 b              | Quanex   | AS REQ'D.  | INSULATED SuperSpacer    | 1/4" Air Space          |
| 33 c              | Quanex   | AS REQ'D.  | INSULATED Duraseal       | 1/4" Air Space          |
| 34                | SEALANT  | AS REQ'D.  | ACRYL-R JOINT SEALANT    | SM-5504/5591            |
| 35                | *        | AS REQ'D.  | PERIMETER ACRYLIC CAULK  | OSI POLYSEAMSEAL        |



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OCALA, FLORIDA 34474  
WWW.CWS.CC

**7100 ALUMINUM  
SINGLE HUNG - IMPACT  
FLANGE FRAME**

[illegible]

DATE **SEP 25 2025**

THOMAS J. SOTOS, P.E.  
FL P.E. LIC. # 55225

**SHEET DESCRIPTION:**  
**BILL OF MATERIALS, EXTRUSION  
DETAILS & CORNER ASSEMBLY  
DETAILS**

|                           |                         |
|---------------------------|-------------------------|
| DRAWN BY:<br><br>N: Erazo | DATE:<br><br>12/18/2023 |
|---------------------------|-------------------------|

|          |            |
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| REV. BY: | DATE:      |
| N. Erazo | 09/05/2025 |

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| DWG #: | REV #: |
|--------|--------|

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| CWS-1249 | A |
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**PRODUCT REVISION**  
as complying with the Florida  
Building Code  
Acceptance No 25-092903  
Expiration Date 12/31/2003  
By Isaac J. [Signature]  
Miami Dade Product Control