



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

Custom Window Systems, Inc.
1900 SW 44th 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 (Fin Frame)" Aluminum Single Hung Window – L.M.I.

APPROVAL DOCUMENT: Drawing No. CWS-1213, titled "Series-7100 Single Hung Fin Frame Impact Window", sheets 1 through 4 of 4, dated 12/18/23, prepared by manufacturer, and signed and sealed by Thomas J. Sotos, P.E., on 12/18/23 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 #23-0907.04 and consists of this page 1 and evidence pages E-1, E-2, E-3, E-4, E-5 and E-6, as well as approval document mentioned above.

The submitted documentation was reviewed by **Helmy A. Makar, P.E., M.S.**



Helmy A. Makar
02/01/2024

NOA No. 24-0116.06
Expiration Date: 11/06/2028
Approval Date: 02/01/2024

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. 08-0527.18)
2. Drawing No **L7800-0801**, titled "Series-7800 Single Hung Fin Frame Impact Window", sheets 1 through 4 of 4, dated 03/31/08, with revision **D** dated 11/01/17, prepared by manufacturer, signed and sealed by Thomas J. Sotos, P.E.
(Submitted under NOA No. 17-1212.18)

B. TESTS

1. 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 an aluminum single hung fin window, prepared by Hurricane Engineering & Testing, Inc., Test Report No. **HETI-08-2083**, dated 03/14/08, signed and sealed by Candido F. Font, P.E.
(Submitted under NOA No. 08-0527.18)
2. 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 an aluminum single hung fin window, prepared by Hurricane Engineering & Testing, Inc., Test Report No. **HETI-08-2084**, dated 03/14/08, signed and sealed by Candido F. Font, P.E.
(Submitted under NOA No. 08-0527.18)
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 an aluminum single hung fin window, prepared by Hurricane Engineering & Testing, Inc., Test Report No. **HETI-08-2015**, dated 01/15/08, signed and sealed by Candido F. Font, P.E.
(Submitted under NOA No. 08-0527.18)
4. 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 an aluminum single hung fin window, prepared by Hurricane Engineering & Testing, Inc., Test Report No. **HETI-08-2016**, dated 01/15/08, signed and sealed by Candido F. Font, P.E.
(Submitted under NOA No. 08-0527.18)



Helmy A. Makar, P.E., M.S.
Product Control Section Supervisor
NOA No. 24-0116.06
Expiration Date: 11/06/2028
Approval Date: 02/01/2024

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

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

B. TESTS (CONTINUED)

5. 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 an aluminum single hung
fin window, prepared by Hurricane Engineering & Testing, Inc., Test Report No.
HETI-07-4324, dated 01/15/08, signed and sealed by Candido F. Font, P.E.
(Submitted under NOA No. 08-0527.18)
6. 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 an aluminum single hung
fin window, prepared by Hurricane Engineering & Testing, Inc., Test Report No.
HETI-07-4325, dated 01/15/08, signed and sealed by Candido F. Font, P.E.
(Submitted under NOA No. 08-0527.18)

C. CALCULATIONS

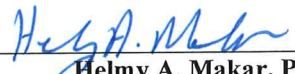
1. Anchor verification calculations and structural analysis, complying with FBC, dated
05/16/08 and 07/07/08, prepared by manufacturer, signed and sealed by Thomas J.
Sotos, P.E.
(Submitted under NOA No.12-0127.13)
2. Glazing complies with **ASTM E1300-04/09**

D. QUALITY ASSURANCE

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

E. MATERIAL CERTIFICATIONS

1. 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.
2. 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.



Helmy A. Makar, P.E., M.S.
Product Control Section Supervisor
NOA No. 24-0116.06
Expiration Date: 11/06/2028
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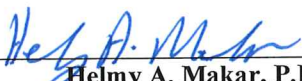
NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

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

1. Statement letter of conformance, complying with **FBC 6th Edition (2017)** and of no financial interest, issued by manufacturer, dated January 22, 2018, signed and sealed by Thomas J. Sotos, P.E.
(Submitted under NOA No. 17-1212.18)
2. Statement letter dated 01/22/18 of the editorial drawing changes issued by Lawson Industries, Inc., signed by Nelson Erazo, Senior Design Engineer.
(Submitted under NOA No. 17-1212.18)
3. Department of State Certification of **LAWSON INDUSTRIES, INC.** as a for profit corporation, active and organized under the laws of the State of Florida, dated 04/11/14 and filed at the Secretary of State.
(Submitted under NOA No. 14-0908.09)
4. Notification of Successor Engineer for manufacturer's NOA document per **Section 61G15-27.001** of the **Florida Administrative Code**, notifying original engineer that the successor engineer is assuming full professional and legal responsibility for all engineering documents pertaining to the NOA No. **08-0527.18**, dated 02/27/09, signed and sealed by Thomas J. Sotos, P.E.
(Submitted under NOA No. 12-0127.13)
5. Laboratory compliance letter for Test Reports No. **HETI-08-2083, HETI-08-2084, HETI-08-2015, HETI-08-2016, HETI-07-4324** and **HETI-07-4325**, all issued by Hurricane Engineering & Testing, Inc., dated from 01/15/08 through 03/14/08, signed and sealed by Candido F. Font, P.E.
(Submitted under NOA No. 08-0527.18)
6. Proposal No. **07-2527** issued by the Product Control, dated 03/29/07, signed by Manuel Perez, P.E.
(Submitted under NOA No. 08-0527.18)

G. OTHERS

1. Notice of Acceptance No. **17-1212.18**, issued to Lawson Industries, Inc. for their Series "SH-7800 (Fin Frame)" Aluminum Single Hung Window – L.M.I., approved on 02/08/18 and expiring on 11/06/18.



Helmy A. Makar, P.E., M.S.
Product Control Section Supervisor
NOA No. 24-0116.06
Expiration Date: 11/06/2028
Approval Date: 02/01/2024

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

2. EVIDENCE SUBMITTED under previous approval

A. DRAWINGS

1. Drawing No **L7800-0801**, titled "Series-7800 Single Hung Fin Frame Impact Window", sheets 1 through 4 of 4, dated 03/31/08, with revision **E** dated 07/31/20, 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

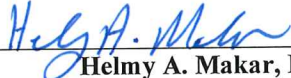
1. Notice of Acceptance No. **19-0305.02** issued to **Kuraray America, Inc.** for their "**Trosifol® Ultraclear, Clear and Color PVB Glass Interlayers**" dated 05/09/19, expiring on 07/08/24.
2. Notice of Acceptance No. **20-0622.01** issued to **Eastman Chemical Company (MA)** for their "**Saflex PVB Clear and Color Glass Interlayers**" dated 08/06/20, expiring on 05/21/21.

F. STATEMENTS

1. Statement letter of conformance, complying with **FBC 7th Edition (2020)**, dated August 03, 2020, issued by the manufacturer, signed and sealed by Thomas J. Sotos, P.E.

G. OTHERS

1. Notice of Acceptance No. **18-0911.07**, issued to Lawson Industries, Inc. for their Series "SH-7800 (Fin Frame)" Aluminum Single Hung Window – L.M.I., approved on 10/11/18 and expiring on 11/06/23.



Helmy A. Makar, P.E., M.S.
Product Control Section Supervisor
NOA No. 24-0116.06
Expiration Date: 11/06/2028
Approval Date: 02/01/2024

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

4. EVIDENCE SUBMITTED UNDER PREVIOUS NOA #23-0907.04

A. DRAWINGS

1. Drawing No. **L7800-0801**, Rev F titled "Series-7800 Single Hung Fin Frame Impact Window", sheets 1 through 4 of 4, dated 03/31/08 and last revised on SEP 06, 2023, prepared by manufacturer, and signed and sealed by Thomas J. Sotos, P.E.

Note: The revision consists of addition of addition of Quanex: Super/ Duraseal spacers.

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
along with marked-up drawings and installation diagram of an aluminum horizontal sliding window, prepared by Hurricane Engineering & Testing, Inc., Test Report No. **HETI-23-0849**, 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. **19-0305.02** issued to **Kuraray America, Inc.** for their "**Trosifol® Ultraclear, Clear and Color PVB Glass Interlayers**", expiring on 07/08/24.
2. Notice of Acceptance No. **23-0713.18** issued to **Eastman Chemical Company (MA)** for their "**Saflex PVB Clear and Color Glass Interlayers**", expiring on 05/21/26.

F. STATEMENTS

1. Statement letter of conformance, complying with **FBC 8th Edition (2023)**, dated 09/26/23, issued by the manufacturer, signed and sealed by Thomas J. Sotos, P.E.

G. OTHERS

1. This NOA **revises & renews** NOA No. **20-0813.08**, updates to FBC 2023, expiring 11/06/28.
2. RER Test proposal **#23-0461R** dated 06/16/23, signed by Manny Perez, P.E.



Helmy A. Makar, P.E., M.S.
Product Control Section Supervisor
NOA No. 24-0116.06
Expiration Date: 11/06/2028
Approval Date: 02/01/2024

Custom Window Systems, Inc.

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

5. NEW EVIDENCE SUBMITTED

A. DRAWINGS

1. Drawing No. **CWS-1213**, titled "Series-7100 Single Hung Fin Frame Impact Window", sheets 1 through 4 of 4, dated 12/18/23, prepared by manufacturer, and signed and sealed by Thomas J. Sotos, P.E., on 12/18/23.

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. None.

F. STATEMENTS

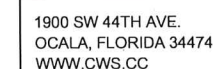
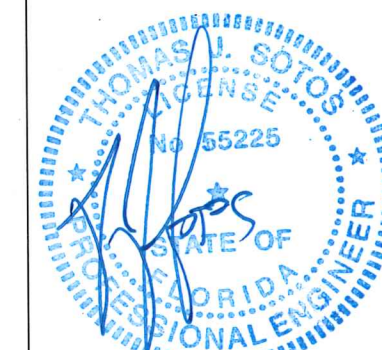
1. Statement letter of conformance, complying with **FBC 8th Edition (2023)**, dated 12/18, 2023, issued by the manufacturer, signed and sealed by Thomas J. Sotos, P.E.
2. Statement letter of no financial interest, dated December 18, 2023, issued by the manufacturer, signed and sealed by Thomas J. Sotos, P.E.
3. Private Labeling Agreement document in conformance to Product Control guidelines dated 01/11/24, signed by Kevin E. Pine, Vice President.

G. OTHERS

1. Notice of Acceptance No. **23-0907.04**, issued to Lawson Industries, Inc. for their Series "SH-7800 (Fin Frame)" Aluminum Single Hung Window – L.M.I., approved on 10/05/23 and expiring on 11/06/28.



Helmy A. Makar, P.E., M.S.
Product Control Section Supervisor
NOA No. 24-0116.06
Expiration Date: 11/06/2028
Approval Date: 02/01/2024

[illegible]

DATE **DEC 18 2023**

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:
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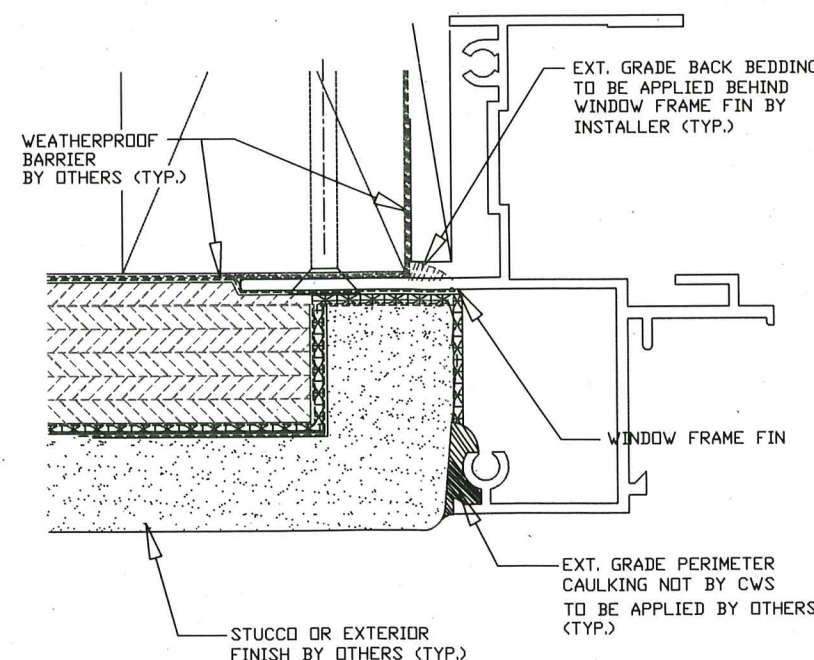
DWG #:	REV #:
CWS-1213	

SCALE:	SHEET 1 OF 4
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General Notes:

- 1.) THIS WINDOW SYSTEM IS DESIGNED AND TESTED TO COMPLY WITH THE REQUIREMENTS OF THE FLORIDA BUILDING CODE (2020-7th Edition & 2023-8th Edition) INCLUDING HIGH VELOCITY HURRICANE ZONE (HVHZ) AND ASTM 1300-09. THIS PRODUCT IS IMPACT RESISTANT.
- 2.) 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.
- 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.).
- 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).
- 6.) WINDOWS ARE QUALIFIED FOR USE WITH DOUBLE GLAZE LAMINATED INSULATED GLASS TYPES TABULATED HEREIN (SEE SHEET #3).
- 7.) SEE SHEET 3 FOR LOCK DETAILS & OPTIONS.
- 8.) SEE SHEET 3 FOR GLAZING DETAILS & OPTIONS AND DESIGN PRESSURES.
- 9.) WOOD OPENING SHALL BE PROTECTED WITH AN APPROVED MOISTURE RESISTANT WEATHERBARRIER (BY OTHERS), PRIOR TO WINDOW INSTALLATION. (SEE SHEET #1 FOR DETAIL)
- 10.) MATERIALS: INCLUDING BUT NOT LIMITED TO STEEL SCREWS, THAT COME INTO CONTACT WITH OTHER DISSIMILAR MATERIALS SHALL MEET THE REQUIREMENTS OF FLORIDA BUILDING CODE.
- 11.) EXT. & INT. FALSE COLONIAL MUNTINS ARE OPTIONAL & AND ARE APPLIED W/ SILICONE



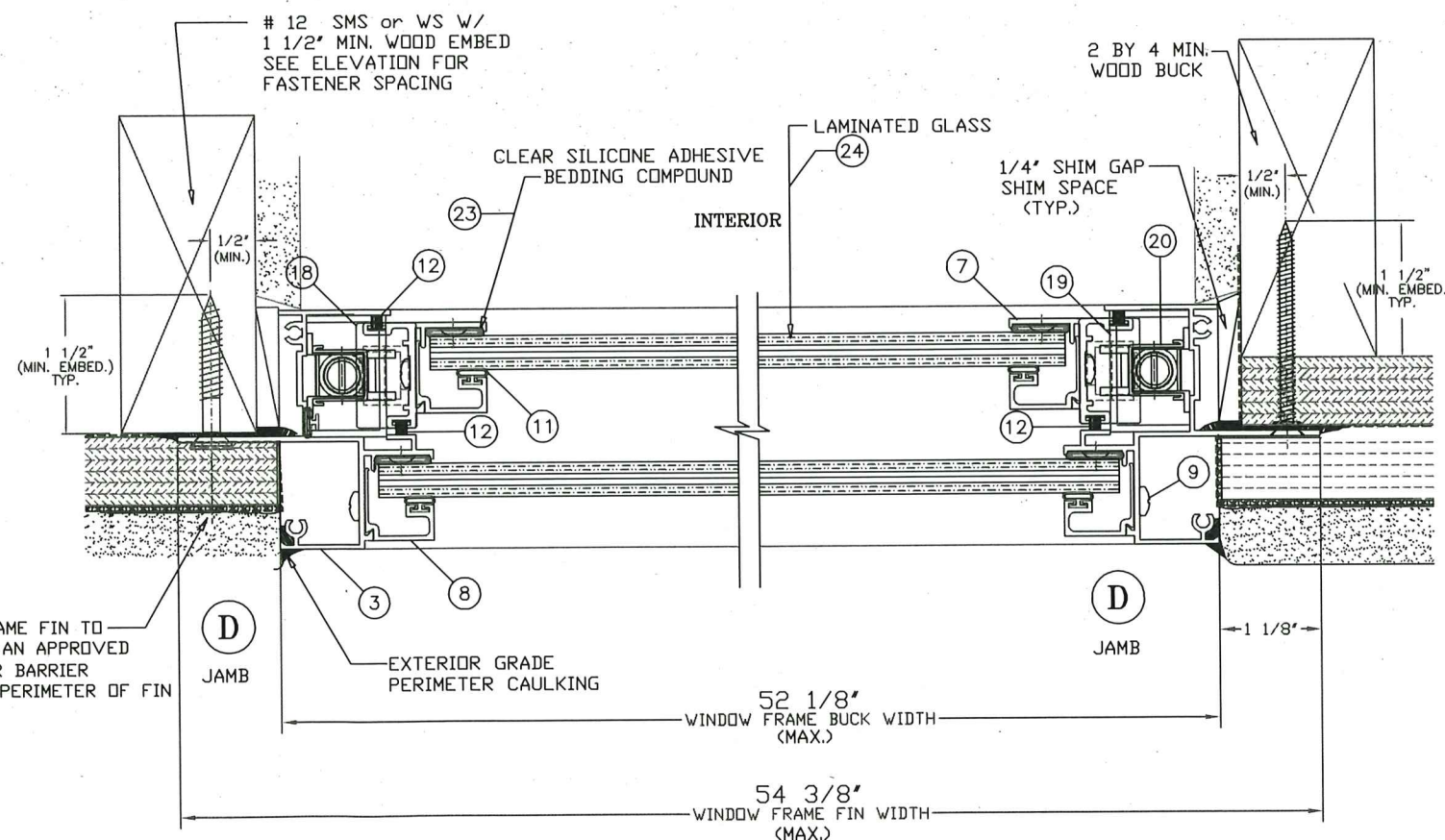
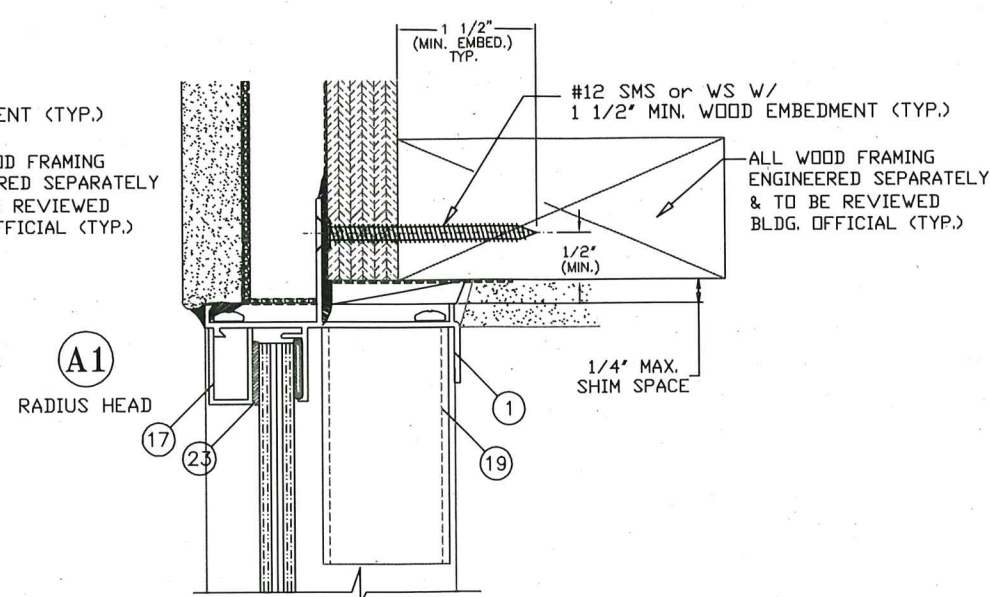
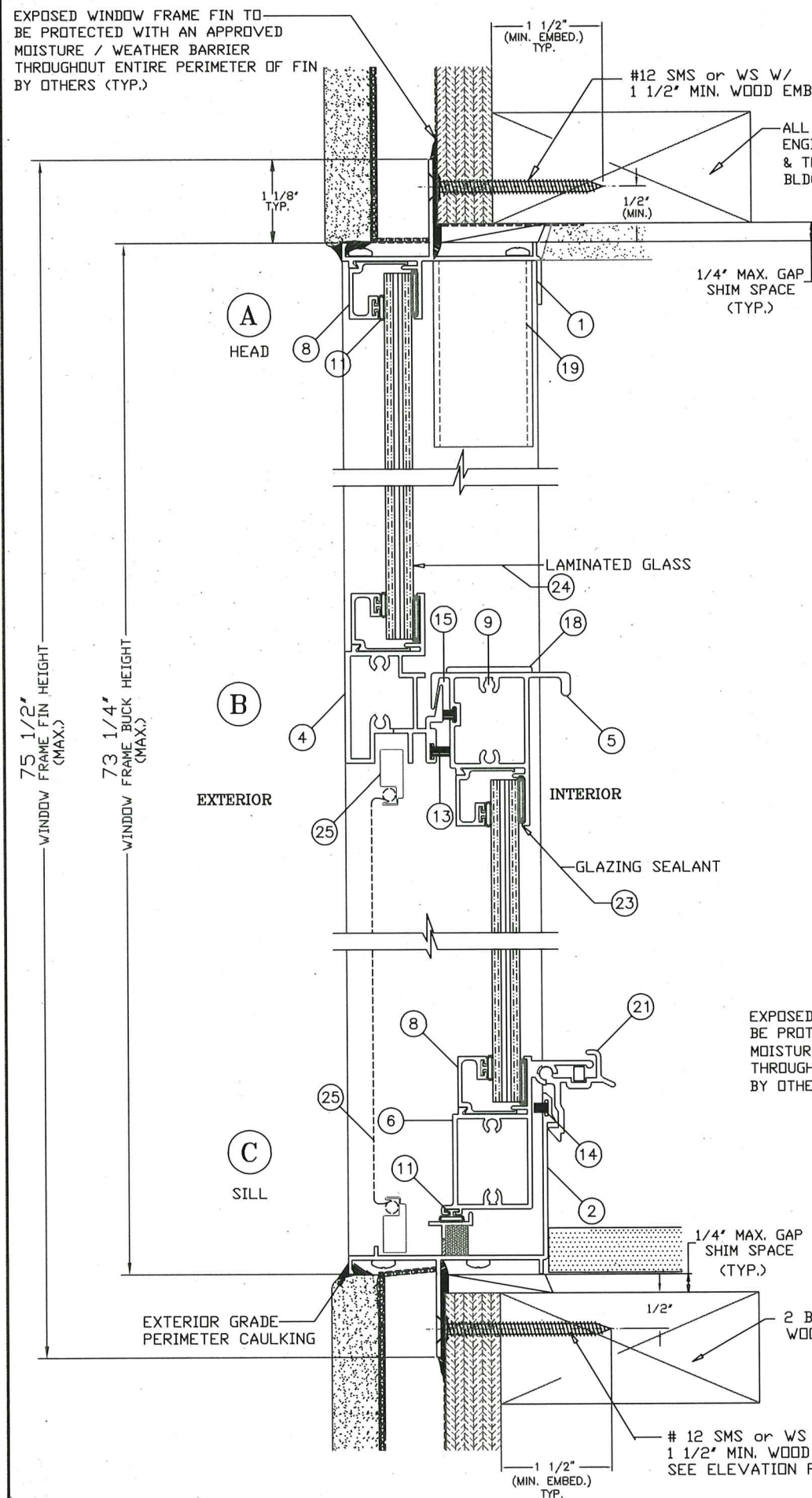
WINDOW INSTALLATION DETAIL

WINDOW INSTALLATION NOTES:

1. THE WINDOW OPENING MUST BE PROTECTED WITH A CODE APPROVED FELT OR MOISTURE/WEATHER BARRIER, APPROX. 12" WIDE THROUGHOUT ENTIRE PERIMETER OF THE WINDOW MOUNTING FIN. (NOT BY CWS)
2. THE WINDOW FRAME FIN TO BE BACK-BEDDED W/ AN EXT. GRADE CAULK THROUGHOUT THE ENTIRE PERIMETER OF FIN BY WINDOW INSTALLER (TYP.)
3. THE EXPOSED EXT. PERIMETER OF THE WINDOW FRAME TO BE SEALED W/ AN APPROVED EXTERIOR GRADE CAULK BY OTHERS (TYP.)

PRODUCT REVISED
as complying with the Florida
Building Code
Acceptance No. 24-0116.06
Expiration Date 11/06/2028
By [Signature]
Miami Dade Product Control

EXPOSED WINDOW FRAME FIN TO BE PROTECTED WITH AN APPROVED MOISTURE / WEATHER BARRIER THROUGHOUT ENTIRE PERIMETER OF FIN BY OTHERS (TYP.)



EXPOSED WINDOW FRAME FIN TO BE PROTECTED WITH AN APPROVED MOISTURE / WEATHER BARRIER THROUGHOUT ENTIRE PERIMETER OF FIN BY OTHERS (TYP.)

NOTE:
ALL ANCHORS TO BE #12 SMS OR WD. SCREW WITH A MINIMUM OF 1 1/2" PENETRATION INTO WOOD. (REFER TO WINDOW ELEVATIONS ON SHEET 1 FOR MAX. ALLOWABLE ANCHOR SPACING)

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

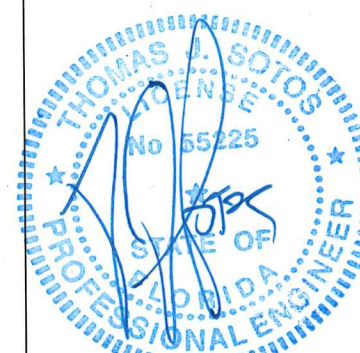
PRODUCT REVISED
as complying with the Florida
Building Code
Acceptance No. 24-0116.06
Expiration Date 11/06/2028
By *H. G. A. Miller*
Miami Date Product Control



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

7100 ALUMINUM SINGLE HUNG - IMPACT FIN FRAME

NO.	DESCRIPTION	BY	DATE



DATE **DEC 18 2023**

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:
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DWG #:	REV #:
CWS-1213	
SCALE:	SHEET
---	2 OF 4

