



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 "7300 (Fin-Frame)" Aluminum Fixed Window- L.M.I.

APPROVAL DOCUMENT: Drawing No. CWS-1247 Rev A (former L4300-6300-1201) titled "Series-7300 Picture Window (Fin Frame) Impact", sheets 1 through 5 of 5, dated 12/18/2023 and last revised on SEP 25, 2025, 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

LIMITATIONS: 1. See sheet 1 for max. window height & width, inscribed envelope. See sheet 3 for Design Pressure charts Vs Sizes and glass types.

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. 23-1010.01 (Lawson Industries, Inc.) 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 **Ishaq I. Chanda, P.E.**



NOA No. 25-0929.07

Expiration Date: July 19, 2027

Approval Date: October 30, 2025

Page 1

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

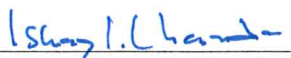
1. EVIDENCE SUBMITTED UNDER PREVIOUS NOA's

A. DRAWINGS

1. Manufacturer's die drawings and sections.
(Submitted under NOA No. 12-0416.10)
2. Drawing No **L4300-6300-1201**, titled "Series-4300-6300 Fin Frame Impact Fixed Window", sheets 1 through 5 of 5, dated 02/21/12, with revision **D** dated 07/31/20, prepared by manufacturer, and signed and sealed by Thomas J. Sotos, P.E.
(Submitted under NOA No. 20-0813.09)

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 arch and a rectangular fin-frame fixed window, prepared by Hurricane Engineering & Testing, Inc., Test Reports No.: **HETI-12-4011**, dated 03/14/12 and **HETI-11-3362**, dated 03/14/12; all signed and sealed by Candido F. Font, P.E.
(Submitted under NOA No. 12-0416.10)
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
along with marked-up drawings and installation diagram of a circular arch fin-frame fixed window, prepared by Hurricane Engineering & Testing, Inc., Test Report No. **HETI-08-2026**, dated 10/23/08, signed and sealed by Candido F. Font, P.E.
(Submitted under NOA No. 12-0416.10)
3. Test reports on: 1) Uniform Static Air Pressure Test, Loading per FBC, TAS 202-94
along with marked-up drawings and installation diagram of a rectangular, fin-frame fixed window, prepared by Hurricane Engineering & Testing, Inc., Test Reports No. **HETI-07-4379**, dated 10/23/08 and **HETI-08-2218A**, dated 11/18/08, all signed and sealed by Candido F. Font, P.E.
(Submitted under NOA No. 12-0416.10)
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 a rectangular-, a circular arch- and an elliptical arch fin-frame fixed window, prepared by Hurricane Engineering & Testing, Inc., Test Reports No.: **HETI-09-2540**, dated 09/04/09; **HETI-09-2538**, dated 09/04/09; **HETI-09-2539**, dated 09/04/09; **HETI-09-2536**, dated 09/04/09, **HETI-08-2027**, dated 10/23/08; **HETI-08-2029**, dated 10/23/08; **HETI-09-2030**, dated 10/23/08 and **HETI-08-2218B**, dated 11/18/08; all signed and sealed by Candido F. Font, P.E.
(Submitted under NOA No. 12-0416.10)


Ishaq I. Chanda, P.E.
Product Control Unit Supervisor
NOA No. 25-0929.07
Expiration Date: July 19, 2027
Approval Date: October 30, 2025

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

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

C. CALCULATIONS

1. Anchor verification calculations and structural analysis, complying **FBC 5th Edition (2014)**, dated 09/02/14, prepared by manufacturer, signed and sealed by Thomas J. Sotos, P.E.
(Submitted under NOA No.14-0908.17)
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. **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.
2. 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.

F. STATEMENTS

1. Statement letter of conformance, complying with **FBC 7th Edition (2020)**, dated April 27, 2022, issued by the manufacturer, signed and sealed by Thomas J. Sotos, P.E.
(Submitted under NOA No. 22-0509.03)
2. Proposal No. **07-2527** issued by Product Control, dated 03/29/07, signed by Manuel Perez, P.E.
(Submitted under NOA No. 12-0416.10)
3. Laboratory compliance letter for Test Reports No. **HETI-08-2026**, dated 10/23/08, **HETI-08-2026**, dated 10/23/08, **HETI-09-2539**, dated 09/04/09, **HETI-07-4379**, dated 10/23/08, **HETI-08-2218A**, dated 11/18/08, **HETI-09-540**, dated 09/04/09, **HETI-09-2538**, dated 09/04/09, **HETI-09-2536**, dated 09/04/09, **HETI-08-2027**, dated 10/23/08, **HETI-08-2029**, dated 10/23/08, **HETI-08-2030**, dated 10/23/08 and **HETI-08-2218B**, dated 11/18/08, all issued by Hurricane Engineering & Testing, Inc., signed and sealed by Candido F. Font, P.E.
(Submitted under NOA No. 12-0416.10)
4. Laboratory compliance letter for Test Reports No. **HETI-12-4011**, dated 03/14/12 and **HETI-11-3362**, dated 03/14/12, both issued by Hurricane Engineering & Testing, Inc., signed and sealed by Rafael Droz-Seda, P.E.
(Submitted under NOA No. 12-0416.10)

Ishaq I. Chanda

Ishaq I. Chanda, P.E.
Product Control Unit Supervisor
NOA No. 25-0929.07
Expiration Date: July 19, 2027
Approval Date: October 30, 2025

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

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

G. OTHERS

1. Notice of Acceptance No. **20-0813.09**, issued to Lawson Industries, Inc. for their Series "4300/ 6300 Fin Frame" Aluminum Fixed Window – L.M.I., approved on 10/22/20 and expiring on 07/19/22.

2. EVIDENCE SUBMITTED Under previous approval

A. DRAWINGS

1. Drawing No **L4300-6300-1201**, titled "Series-4300-6300 Fin Frame Impact Fixed Window", sheets 1 through 5 of 5, dated 02/21/12, with revision **E** dated 09/29/23, prepared by manufacturer, and 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 Reports No. **HETI-23-8048** and **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)



Ishaq I. Chanda, P.E.
Product Control Unit Supervisor
NOA No. 25-0929.07
Expiration Date: July 19, 2027
Approval Date: October 30, 2025

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

2. EVIDENCE SUBMITTED under previous submittal (CONTINUED)

E. MATERIAL CERTIFICATIONS

1. 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.
2. 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.

F. STATEMENTS

1. Statement letter of conformance, complying with **FBC 8th 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 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. **22-0509.03**, issued to Lawson Industries, Inc. for their Series “4300/ 6300 (Fin Frame)” Aluminum Fixed Window – L.M.I., approved on 06/02/22 and expiring on 07/19/27.

Ishaq I. Chanda

Ishaq I. Chanda, P.E.
Product Control Unit Supervisor
NOA No. 25-0929.07
Expiration Date: July 19, 2027
Approval Date: October 30, 2025

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

3. NEW EVIDENCE SUBMITTED

A. DRAWINGS

1. Drawing No. **CWS-1247 Rev A** (former **L4300-6300-1201**) titled "Series-7300 Picture Window (Fin Frame) Impact", sheets 1 through 5 of 5, dated 12/18/2023 and last revised on SEP 25, 2025, prepared by manufacturer, 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. **24-0205.08** issued to **Kuraray America, Inc.** for their "**Trosifol® Ultraclear, Clear and Color PVB Glass Interlayers**", expiring on 07/08/29.
2. 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.

F. STATEMENTS

1. Statement letter of conformance, complying with FBC 8th Edition (2023), No financial interest to the lab and the DWG is the same as NOA# **23-1010.01** 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.



Ishaq I. Chanda, P.E.
Product Control Unit Supervisor
NOA No. 25-0929.07
Expiration Date: July 19, 2027
Approval Date: October 30, 2025

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

F. STATEMENTS (continue):

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

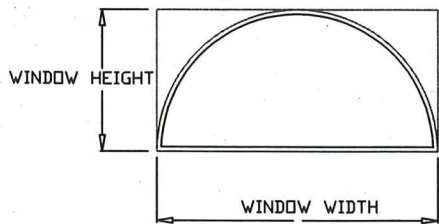
1. This NOA **revises & renews NOA No. 23-1010.01 (Lawson Industries Inc.)**, expiring 07/19/27.
2. Bill of Sales dated Nov. 28, 2023, between CWS-SF, LLC (Buyer) and Lawson Industries, Inc. (seller), signed by Nicolas Cross (president CWS) and Harold Bailly (President Lawson industries).
3. Meeting summary dated May 15, 2025, and June 24, 2025, issued by RER, Product Control Section.
4. The NOA # **23-1010.01**, issued to Lawson Industries Inc. for series “**4300/6300** (Fin Frame) Aluminum Fixed Window-LMI, expiring 07/19/2027. (**This NOA to be rescinded**).
5. NOA #**24-0116.10**, issued to Custom windows System Inc., for the series “7300 (fin frame) Aluminum Fixed Window-LMI, expiring 07/19/2027. (**This Private label NOA with Lawson Industries Inc., to be rescinded**)

Ishaq I. Chanda

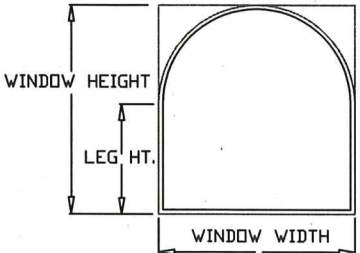
Ishaq I. Chanda, P.E.
Product Control Unit Supervisor
NOA No. 25-0929.07
Expiration Date: July 19, 2027
Approval Date: October 30, 2025

IMPACT PICTURE WINDOW - FIN FRAME

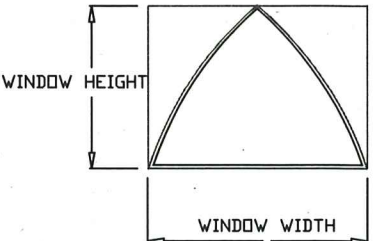
APPROVED WINDOW ELEVATIONS (L.M.IMPACT)



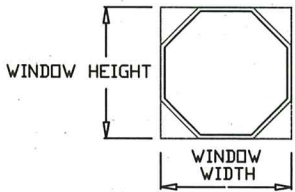
HALF-ROUND TYPICAL ELEVATION



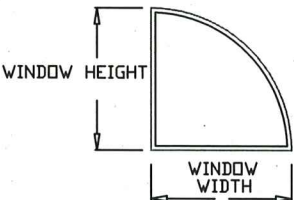
ARCHED PICTURE WINDOW



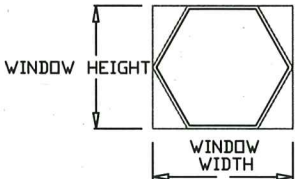
QUARTER-ROUND ELEVATION



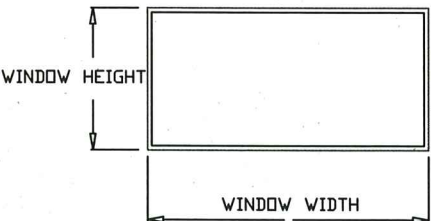
OCTAGON TYPICAL ELEVATION



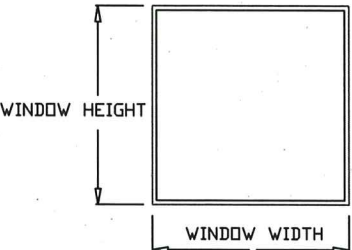
QUARTER-ROUND ELEVATION



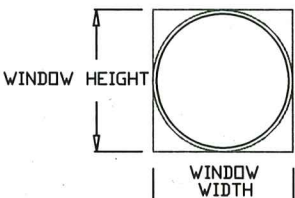
HEXAGON TYPICAL ELEVATION



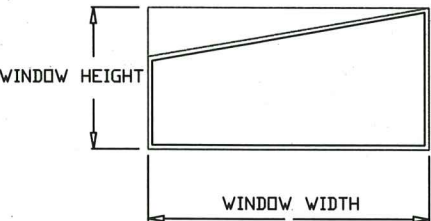
RECTANGULAR TYPICAL ELEVATION



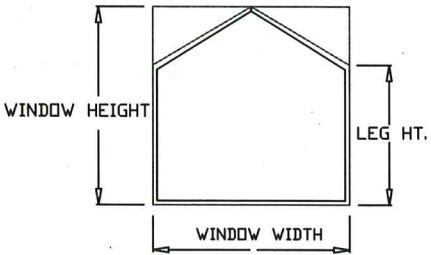
SQUARE PICTURE WINDOW ELEVATION



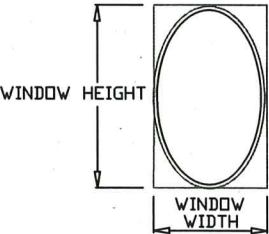
FULL ROUND TYPICAL ELEVATION



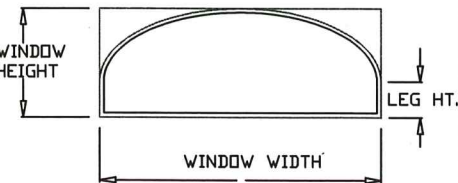
RECTANGULAR TYPICAL ELEVATION



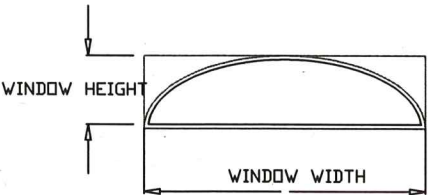
SQUARE PICTURE WINDOW ELEVATION



OVAL TYPICAL ELEVATION



LEGGED EYE BROW ELEVATION



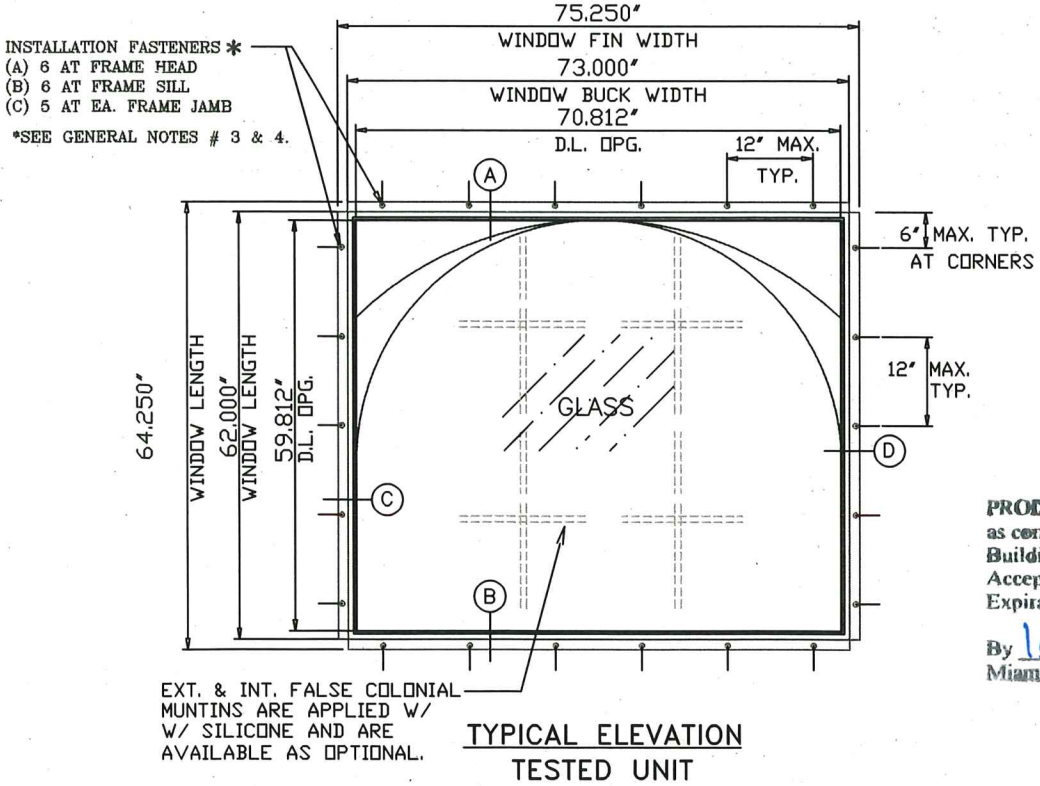
"ELLIPTICAL" TYPICAL ELEVATION

ALLOWABLE LOADS FOR ALTERNATE SHAPES AS SHOWN, CAN BE VERIFIED BY INSCRIBING PICTURE WINDOW SHAPE WITHIN A SQUARE OR RECTANGLE, AS SHOWN IN DOTTED LINES AND OBTAINING ALLOWABLE LOADS FROM THOSE SHAPES. PROVIDED PERIMETER FASTENERS ARE AS DESCRIBED HEREIN FOR SIZE AND SPACING.

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 (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 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 & 4), AND FOR USE WITH DOUBLE GLAZE LAMINATED INSULATED GLASS TYPES TABULATED HEREIN (SEE SHEET #3 & 4).
- 6.) WINDOWS WITH GLASS TYPES "E, F, G, OR H" INSTALLED ABOVE 30ft. IN THE HVHZ, THE I.G. EXTERIOR LITE SHALL BE TEMPERED TO COMPLY WITH THE SMALL MISSILE IMPACT RESISTANCE REQUIREMENTS (FBC Chapter 24 Section 2411.3.3.7).
- 7.) FOR OPTIONAL FRAME INSTALLATION DETAILS SEE SHEETS 2 & 5.
- 8.) EXT. & INT. FALSE COLONIAL MUNTINS ARE OPTIONAL & ARE APPLIED W/ SILICONE
- 9.) WOOD BUCKS IN CONTACT WITH CONCRETE MUST BE PRESSURE TREATED AND ANCHORED (BY OTHERS), PRIOR TO WINDOW INSTALLATION.
- 10.) APPROVAL APPLIES TO SINGLE UNITS, SIDE BY SIDE OR TOP STACKED MULLED UNITS.
- 11.) MULLING FIXED WINDOWS WITH OTHER TYPES OF MIAMI-DADE COUNTY APPROVED PRODUCTS 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.
- 12.) SEE SHEET # 5 FOR MULLION/METAL ATTACHMENT DETAILS & OPTIONS.

WINDOWS ARE L.M. IMPACT
DADE COUNTY APPROVED
SHUTTERS NOT REQUIRED



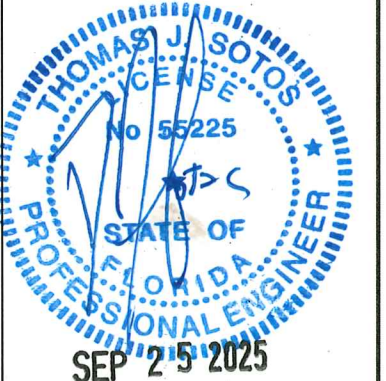
PRODUCT REVISED
as complying with the Florida
Building Code
Acceptance No 25-0929-07
Expiration Date 7/19/2027
By *Johnny L. Chaves*
Miami Dade Product Control



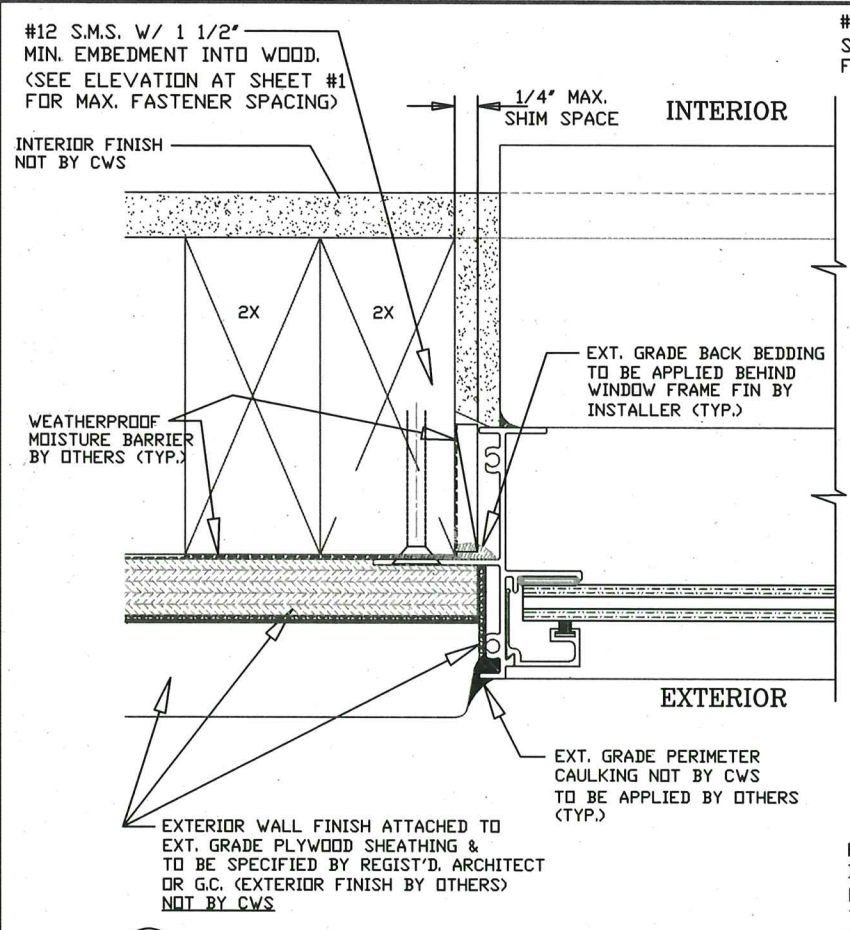
1900 SW 44TH AVE.
OCALA, FLORIDA 34474
WWW.CWS.CC

7300 ALUMINUM
PICTURE WINDOW -
IMPACT FIN FRAME

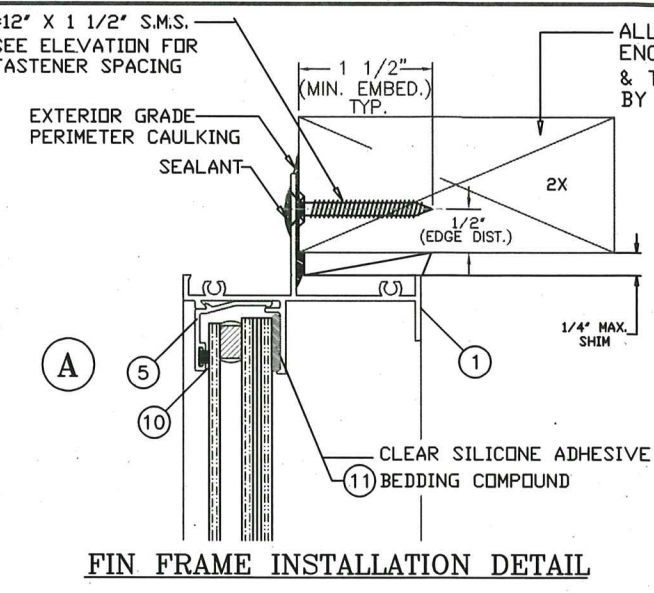
NO.	DESCRIPTION	BY	DATE
A	Revises NDA # 23-1010.01	NE	09/05/25



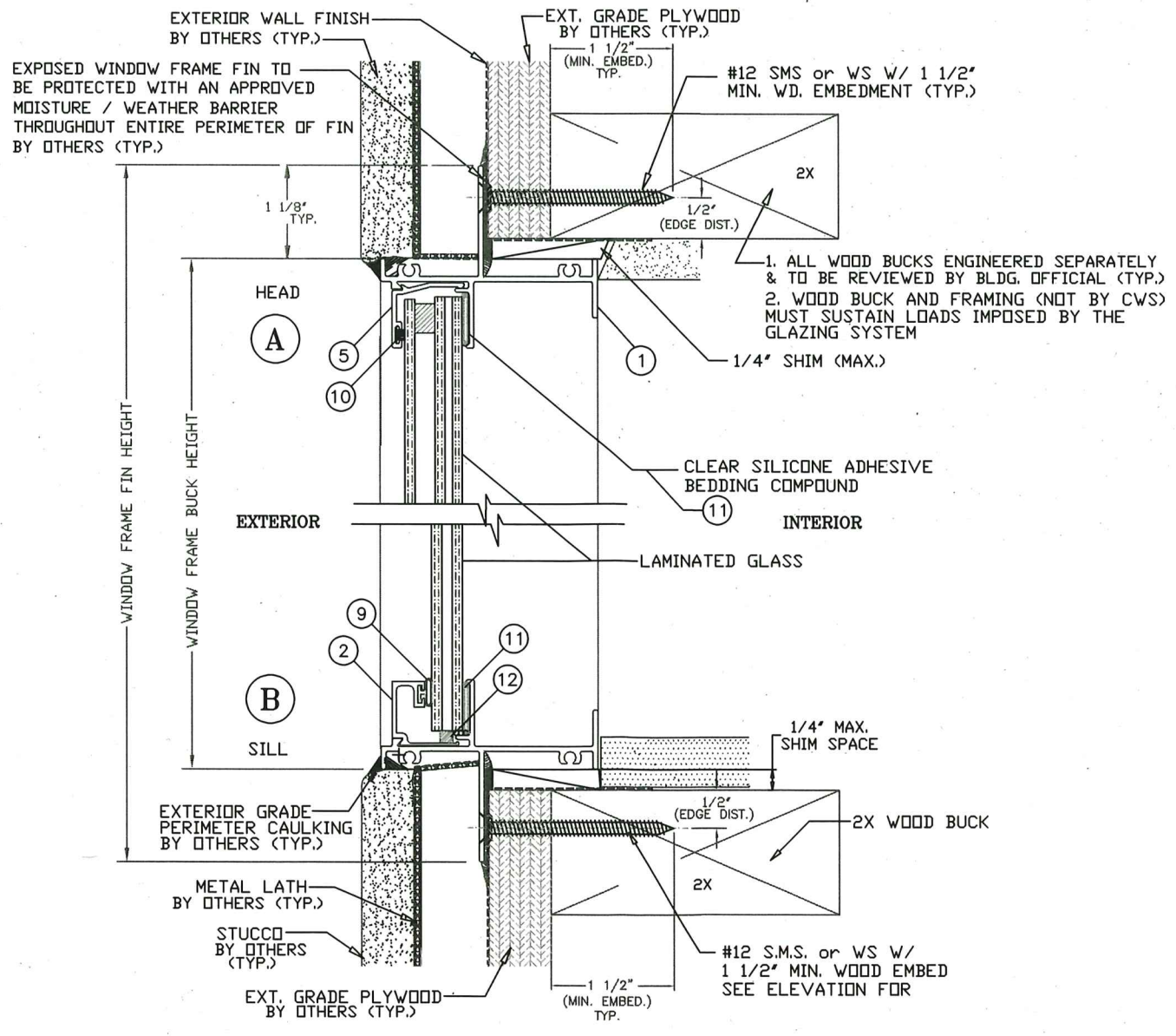
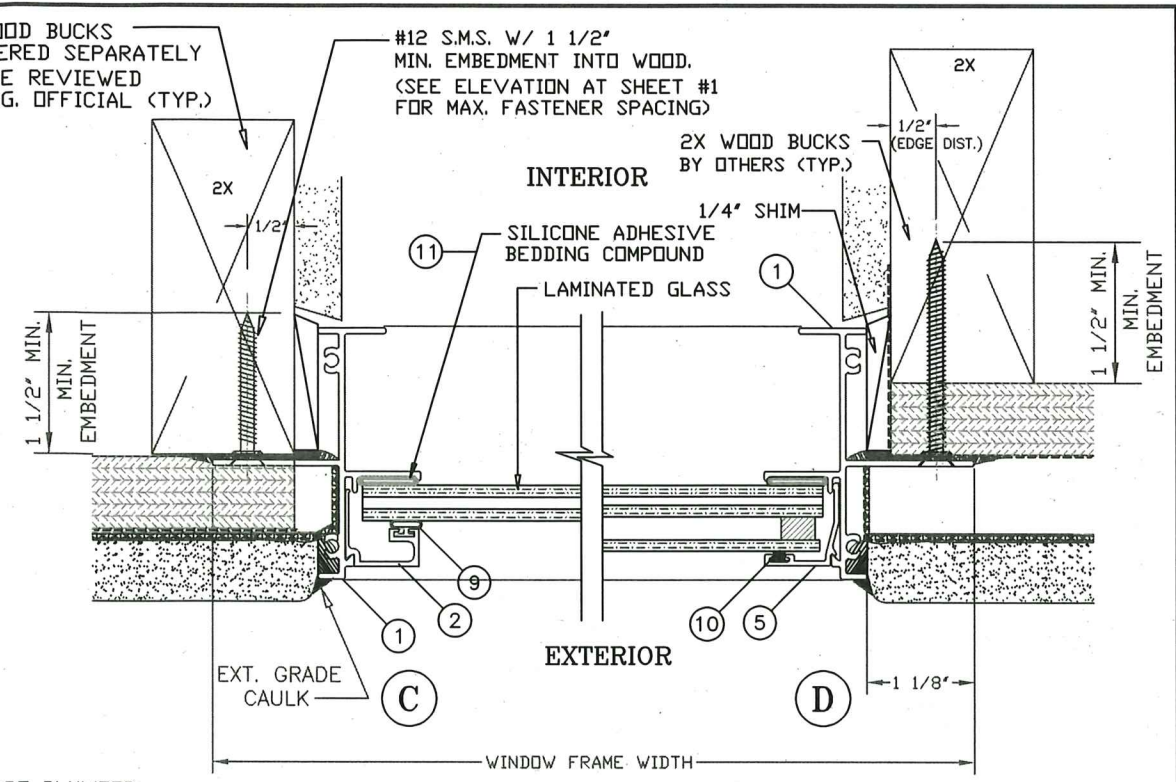
DATE	SEP 25 2025
THOMAS J. SOTOS, P.E. FL P.E. LIC. # 55225	
SHEET DESCRIPTION: APPROVED ELEVATIONS, CONFIGURATIONS AND GENERAL NOTES	
DRAWN BY: N. Erazo	DATE: 12/18/2023
REV. BY: N. Erazo	DATE: 09/05/2025
DWG #: CWS-1247	REV #: A
SCALE: ---	SHEET 1 OF 5



(C1) WOOD FRAME INSTALLATION DETAIL



FIN FRAME INSTALLATION DETAIL



WINDOW INSTALLATION NOTES:

1. THE WINDOW OPENING MUST BE PROTECTED WITH A CODE APPROVED FELT OR MOISTURE/WEATHER BARRIER, APPROX. 12\"
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.)

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

ANCHORS NOTE:

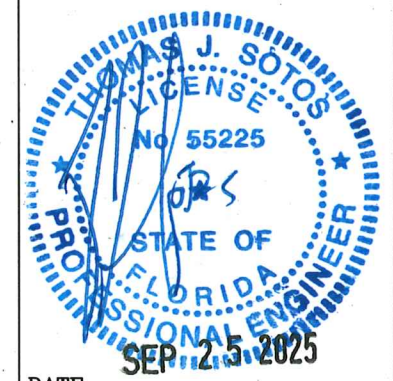
ANCHORS TO BE #12 SMS OR WD. SCREWS INTO WOOD, WITH A MINIMUM OF 1 1/2\"



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

**7300 ALUMINUM
PICTURE WINDOW -
IMPACT FLANGE FRAME**

NO.		DESCRIPTION	BY	DATE
A		Revises NDA # 23-1010.01	NE.	09/05/25



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

SHEET DESCRIPTION:
**VERTICAL AND HORIZONTAL
WINDOW SECTIONS,
GENERAL NOTES**

PRODUCT REVISED
as complying with the Florida
Building Code
Acceptance No. 25-0929.07
Expiration Date 7/19/2027
By Isabel L. Hernandez
Miami Dade Product Control

DRAWN BY:	DATE:
N. Erazo	12/18/2023
REV. BY:	DATE:
N. Erazo	09/05/2025
DWG #:	REV #:
CWS-1247	A
SCALE:	SHEET
---	2 OF 5

DESIGN LOAD CAPACITY - PSF

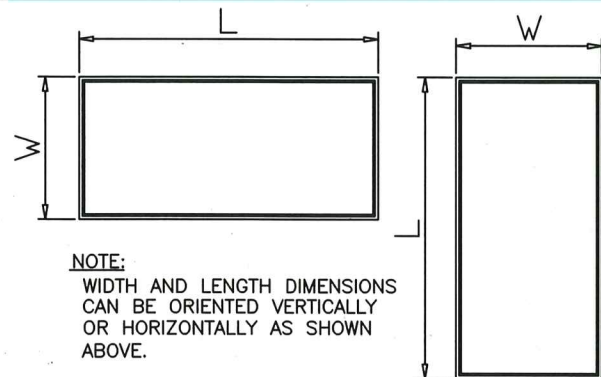
WINDOW BUCK DIMS		GLASS TYPE 'A'		GLASS TYPE 'B'		GLASS TYPE 'D'		GLASS TYPE 'E'		GLASS TYPE 'F'		GLASS TYPE 'G' & 'H'	
WIDTH	LENGTH	EXT. (+)	INT. (-)	EXT. (+)	INT. (-)	EXT. (+)	INT. (-)	EXT. (+)	INT. (-)	EXT. (+)	INT. (-)	EXT. (+)	INT. (-)
18-1/8"	25"	66.00	66.00	66.00	66.00	60.00	60.00	60.00	60.00	57.00	57.00	60.00	60.00
25-1/2"		66.00	66.00	66.00	66.00	60.00	60.00	60.00	60.00	57.00	57.00	60.00	60.00
36"		66.00	66.00	66.00	66.00	60.00	60.00	60.00	60.00	57.00	57.00	60.00	60.00
47"		66.00	66.00	66.00	66.00	60.00	60.00	60.00	60.00	57.00	57.00	60.00	60.00
52-1/8"		66.00	66.00	66.00	66.00	60.00	60.00	60.00	60.00	57.00	57.00	60.00	60.00
62"	37-3/8"	66.00	66.00	66.00	66.00	60.00	60.00	60.00	60.00	57.00	57.00	60.00	60.00
18-1/8"		66.00	66.00	66.00	66.00	60.00	60.00	60.00	60.00	57.00	57.00	60.00	60.00
25-1/2"		66.00	66.00	66.00	66.00	60.00	60.00	60.00	60.00	57.00	57.00	60.00	60.00
36"		66.00	66.00	66.00	66.00	60.00	60.00	60.00	60.00	57.00	57.00	60.00	60.00
47"		66.00	66.00	66.00	66.00	60.00	60.00	60.00	60.00	57.00	57.00	60.00	60.00
52-1/8"	49-5/8"	66.00	66.00	66.00	66.00	60.00	60.00	60.00	60.00	57.00	57.00	60.00	60.00
62"		66.00	66.00	66.00	66.00	60.00	60.00	60.00	60.00	57.00	57.00	60.00	60.00
18-1/8"		66.00	66.00	66.00	66.00	60.00	60.00	60.00	60.00	57.00	57.00	60.00	60.00
25-1/2"		66.00	66.00	66.00	66.00	60.00	60.00	60.00	60.00	57.00	57.00	60.00	60.00
36"		66.00	66.00	66.00	66.00	60.00	60.00	60.00	60.00	57.00	57.00	60.00	60.00
47"	57"	66.00	66.00	66.00	66.00	60.00	60.00	60.00	60.00	57.00	57.00	60.00	60.00
52-1/8"		53.00	53.00	52.00	52.00	60.00	60.00	-	-	57.00	57.00	60.00	60.00
62"		-	-	-	-	60.00	60.00	-	-	-	-	60.00	60.00
18-1/8"		66.00	66.00	66.00	66.00	60.00	60.00	60.00	60.00	57.00	57.00	60.00	60.00
25-1/2"		66.00	66.00	66.00	66.00	60.00	60.00	60.00	60.00	57.00	57.00	60.00	60.00
36"	62"	66.00	66.00	66.00	66.00	60.00	60.00	60.00	60.00	57.00	57.00	60.00	60.00
47"		66.00	66.00	66.00	66.00	60.00	60.00	60.00	60.00	57.00	57.00	60.00	60.00
52-1/8"		53.00	53.00	52.00	52.00	60.00	60.00	-	-	57.00	57.00	60.00	60.00
62"		-	-	-	-	60.00	60.00	-	-	-	-	60.00	60.00
18-1/8"		66.00	66.00	66.00	66.00	60.00	60.00	60.00	60.00	57.00	57.00	60.00	60.00
25-1/2"	73"	66.00	66.00	66.00	66.00	60.00	60.00	60.00	60.00	57.00	57.00	60.00	60.00
36"		66.00	66.00	66.00	66.00	60.00	60.00	60.00	60.00	57.00	57.00	60.00	60.00
47"		57.00	57.00	52.00	52.00	60.00	60.00	-	-	57.00	57.00	60.00	60.00
52-1/8"		-	-	-	-	60.00	60.00	-	-	-	-	60.00	60.00
62"		-	-	-	-	60.00	60.00	-	-	-	-	60.00	60.00
18-1/8"	73-1/4"	66.00	66.00	66.00	66.00	60.00	60.00	60.00	60.00	57.00	57.00	60.00	60.00
25-1/2"		66.00	66.00	66.00	66.00	60.00	60.00	60.00	60.00	57.00	57.00	60.00	60.00
36"		53.00	53.00	52.00	52.00	60.00	60.00	-	-	57.00	57.00	60.00	60.00
47"		-	-	-	-	60.00	60.00	-	-	-	-	60.00	60.00
52-1/8"		-	-	-	-	60.00	60.00	-	-	-	-	60.00	60.00

NOTE:
GLASS CAPACITIES ON THIS SHEET ARE BASED ON
A: ASTM E1300-16

Notes: (*)

- 1.) WINDOWS WITH GLASS TYPES "E, F, G, OR H" INSTALLED ABOVE 30 FT. IN THE HVHZ, THE I.G. EXTERIOR LITE SHALL BE TEMPERED TO COMPLY WITH THE SMALL MISSILE IMPACT RESISTANCE REQUIREMENTS (FBC-Chapter 24 Section 2411.3.3.7).

(*) Tempered glass and Laminated Glass marked and in compliance with Section 2406 Safety Glazing: CPSC 16 CFR Part 1201" or "ANSI Z97.1-2015.



5/16" LAMINATED GLASS COMPOSITION - TYPE A		
ITEM	GLASS DESCRIPTION	DETAIL
1	1/8" ANNEALED GLASS	
2	0.090" TROSIFOL PVB by Kuraray America, Inc.	
3	1/8" ANNEALED GLASS	

5/16" LAMINATED GLASS COMPOSITION - TYPE B		
ITEM	GLASS DESCRIPTION	DETAIL
1	1/8" HEAT-STRENGTHENED GLASS	
2	0.090" TROSIFOL PVB by Kuraray America, Inc.	
3	1/8" HEAT-STRENGTHENED GLASS	

7/16" LAMINATED GLASS COMPOSITION - TYPE D		
ITEM	GLASS DESCRIPTION	DETAIL
1	3/16" HEAT-STRENGTHENED GLASS	
2	0.090" TROSIFOL PVB by Kuraray America, Inc.	
3	3/16" HEAT-STRENGTHENED GLASS	

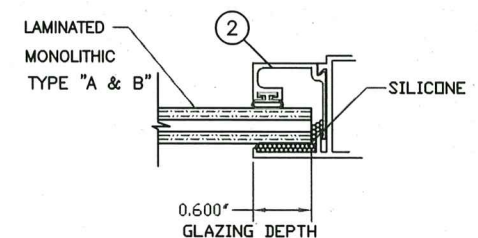
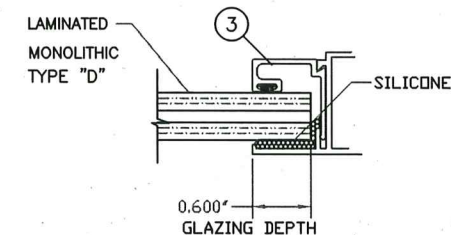
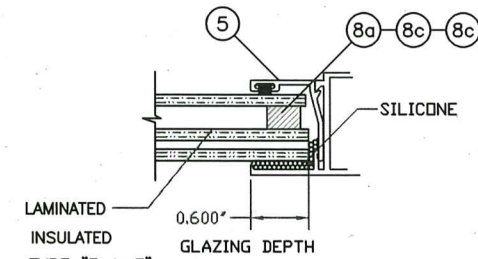
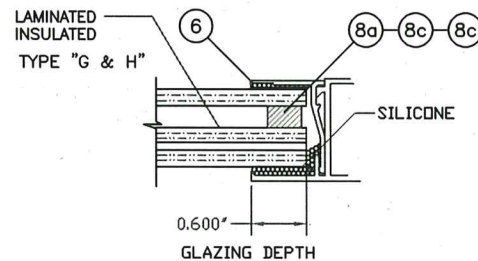
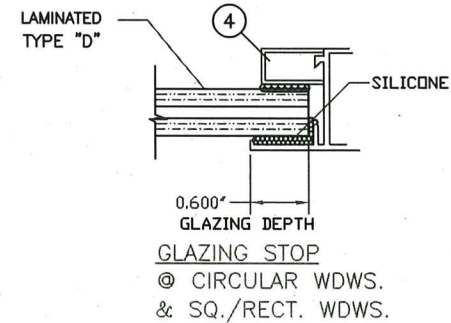
LAMINATED INSULATED GLASS COMPOSITION TYPE E		
ITEM	DESCRIPTION	DETAIL
1	1/8" ANNEALED GLASS	
2	0.090" TROSIFOL PVB by Kuraray America, Inc.	
3	1/8" ANNEALED GLASS	
4	1/4" INSULATED AIR SPACE	
5	1/8" ANNEALED GLASS	

LAMINATED INSULATED GLASS COMPOSITION TYPE F		
ITEM	DESCRIPTION	DETAIL
1	1/8" ANNEALED GLASS	
2	0.090" SAFLEX PVB by Eastman Chemical co.	
3	1/8" ANNEALED GLASS	
4	1/4" INSULATED AIR SPACE	
5	1/8" HEAT-STRENGTHENED GLASS	

LAMINATED INSULATED GLASS COMPOSITION TYPE G		
ITEM	DESCRIPTION	DETAIL
1	3/16" HEAT-STRENGTHENED GLASS	
2	0.090" TROSIFOL PVB by Kuraray America, Inc.	
3	3/16" HEAT-STRENGTHENED GLASS	
4	1/4" INSULATED AIR SPACE	
5	3/16" ANNEALED GLASS	

LAMINATED INSULATED GLASS COMPOSITION TYPE H		
ITEM	DESCRIPTION	DETAIL
1	1/8" ANNEALED GLASS	
2	0.090" SAFLEX PVB by Eastman Chemical co.	
3	1/8" ANNEALED GLASS	
4	1/4" INSULATED AIR SPACE	
5	3/16" ANNEALED GLASS	

- 8 Insulated Spacer Types & Options
- 8 a) "TrueSeal" Swiggle Seal
 - 8 b) "Quanex" SuperSpacer w/ Isomelt M
 - 8 c) "Quanex" Duraseal



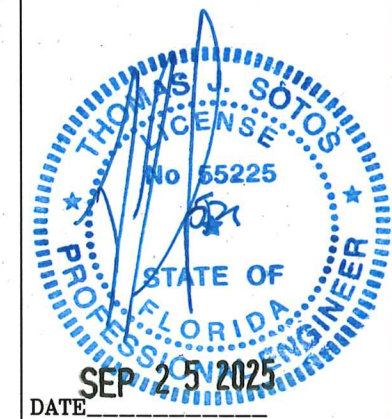
TYPICAL GLAZING DETAILS

PRODUCT REVISED as complying with the Florida Building Code Acceptance No 25-0929.07 Expiration Date 7/19/2027 By Ishay J. Chandra Miami Desk Product Control



7300 ALUMINUM PICTURE WINDOW - IMPACT FIN FRAME

NO.	DESCRIPTION	BY	DATE
A	Revises NDA # 23-1010.01	NE.	09/05/25



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

SHEET DESCRIPTION:
DESIGN LOAD CHARTS,
LAMINATED GLASS TYPES,
GLAZING DETAILS AND NOTES

DRAWN BY:	DATE:
N. Erazo	12/18/2023
REV. BY:	DATE:
N. Erazo	09/05/2025
DWG #:	REV #:
CWS-1247	A
SCALE:	SHEET
---	3 OF 5

DESIGN LOAD CAPACITY - PSF

WINDOW BUCK DIMS.		GLASS TYPE 'A'		GLASS TYPE 'B'		GLASS TYPE 'D'		GLASS TYPE 'E'		GLASS TYPE 'F'		GLASS TYPE 'G' & 'H'	
WIDTH	LENGTH	EXT. (+)	INT. (-)	EXT. (+)	INT. (-)	EXT. (+)	INT. (-)	EXT. (+)	INT. (-)	EXT. (+)	INT. (-)	EXT. (+)	INT. (-)
23"	35"	66.00	66.00	66.00	66.00	60.00	60.00	60.00	60.00	57.00	57.00	60.00	60.00
29"		66.00	66.00	66.00	66.00	60.00	60.00	60.00	60.00	57.00	57.00	60.00	60.00
35"		66.00	66.00	66.00	66.00	60.00	60.00	60.00	60.00	57.00	57.00	60.00	60.00
41"		66.00	66.00	66.00	66.00	60.00	60.00	60.00	60.00	57.00	57.00	60.00	60.00
47"		66.00	66.00	66.00	66.00	60.00	60.00	60.00	60.00	57.00	57.00	60.00	60.00
53"		66.00	66.00	66.00	66.00	60.00	60.00	60.00	60.00	57.00	57.00	60.00	60.00
59"		66.00	66.00	66.00	66.00	60.00	60.00	60.00	60.00	57.00	57.00	60.00	60.00
23"	47"	66.00	66.00	66.00	66.00	60.00	60.00	60.00	60.00	57.00	57.00	60.00	60.00
29"		66.00	66.00	66.00	66.00	60.00	60.00	60.00	60.00	57.00	57.00	60.00	60.00
35"		66.00	66.00	66.00	66.00	60.00	60.00	60.00	60.00	57.00	57.00	60.00	60.00
41"		66.00	66.00	66.00	66.00	60.00	60.00	60.00	60.00	57.00	57.00	60.00	60.00
47"		66.00	66.00	66.00	66.00	60.00	60.00	60.00	60.00	57.00	57.00	60.00	60.00
53"		57.00	57.00	52.00	52.00	60.00	60.00	-	-	57.00	57.00	60.00	60.00
59"		53.00	53.00	52.00	52.00	60.00	60.00	-	-	57.00	57.00	60.00	60.00
23"	59"	66.00	66.00	66.00	66.00	60.00	60.00	60.00	60.00	57.00	57.00	60.00	60.00
29"		66.00	66.00	66.00	66.00	60.00	60.00	60.00	60.00	57.00	57.00	60.00	60.00
35"		66.00	66.00	66.00	66.00	60.00	60.00	60.00	60.00	57.00	57.00	60.00	60.00
41"		57.00	57.00	52.00	52.00	60.00	60.00	-	-	57.00	57.00	60.00	60.00
47"		53.00	53.00	52.00	52.00	60.00	60.00	-	-	57.00	57.00	60.00	60.00
53"		-	-	-	-	60.00	60.00	-	-	-	-	60.00	60.00
59"		-	-	-	-	60.00	60.00	-	-	-	-	60.00	60.00
23"	71"	66.00	66.00	66.00	66.00	60.00	60.00	60.00	60.00	57.00	57.00	60.00	60.00
29"		66.00	66.00	66.00	66.00	60.00	60.00	60.00	60.00	57.00	57.00	60.00	60.00
35"		55.80	55.80	52.00	52.00	60.00	60.00	60.00	60.00	57.00	57.00	60.00	60.00
41"		-	-	-	-	60.00	60.00	-	-	-	-	60.00	60.00
47"		-	-	-	-	60.00	60.00	-	-	-	-	60.00	60.00
53"		-	-	-	-	60.00	60.00	-	-	-	-	60.00	60.00
59"		-	-	-	-	60.00	60.00	-	-	-	-	60.00	60.00
23"	73"	66.00	66.00	66.00	66.00	60.00	60.00	60.00	60.00	57.00	57.00	60.00	60.00
29"		66.00	66.00	66.00	66.00	60.00	60.00	60.00	60.00	57.00	57.00	60.00	60.00
35"		53.90	53.90	52.00	52.00	60.00	60.00	-	-	57.00	57.00	60.00	60.00
41"		-	-	-	-	60.00	60.00	-	-	-	-	60.00	60.00
47"		-	-	-	-	60.00	60.00	-	-	-	-	60.00	60.00
53"		-	-	-	-	60.00	60.00	-	-	-	-	60.00	60.00
59"		-	-	-	-	60.00	60.00	-	-	-	-	60.00	60.00
23"	83"	66.00	66.00	66.00	66.00	60.00	60.00	60.00	60.00	57.00	57.00	60.00	60.00
29"		54.70	54.70	52.00	52.00	60.00	60.00	-	-	57.00	57.00	60.00	60.00
35"		-	-	-	-	60.00	60.00	-	-	-	-	60.00	60.00
41"		-	-	-	-	60.00	60.00	-	-	-	-	60.00	60.00
47"		-	-	-	-	60.00	60.00	-	-	-	-	60.00	60.00
23"	95"	66.00	66.00	66.00	66.00	60.00	60.00	60.00	60.00	57.00	57.00	60.00	60.00
29"		49.70	49.70	52.00	52.00	60.00	60.00	-	-	57.00	57.00	60.00	60.00
35"		-	-	-	-	60.00	60.00	-	-	-	-	60.00	60.00
41"		-	-	-	-	60.00	60.00	-	-	-	-	60.00	60.00
23"	107"	57.00	57.00	52.00	52.00	60.00	60.00	-	-	57.00	57.00	60.00	60.00
29"		-	-	-	-	60.00	60.00	-	-	-	-	60.00	60.00
35"		-	-	-	-	60.00	60.00	-	-	-	-	60.00	60.00
23"	119"	53.00	53.00	52.00	52.00	60.00	60.00	-	-	57.00	57.00	60.00	60.00
29"		-	-	-	-	60.00	60.00	-	-	-	-	60.00	60.00
35"		-	-	-	-	60.00	60.00	-	-	-	-	60.00	60.00

NOTE:
GLASS CAPACITIES ON THIS SHEET ARE BASED ON
A: ASTM E1300-16

5/16" LAMINATED GLASS COMPOSITION - TYPE A

ITEM	GLASS DESCRIPTION	DETAIL
1	1/8" ANNEALED GLASS	
2	0.090" TROSIFOL PVB by Kuraray America, Inc.	
3	1/8" ANNEALED GLASS	

5/16" LAMINATED GLASS COMPOSITION - TYPE B

ITEM	GLASS DESCRIPTION	DETAIL
1	1/8" HEAT-STRENGTHENED GLASS	
2	0.090" TROSIFOL PVB by Kuraray America, Inc.	
3	1/8" HEAT-STRENGTHENED GLASS	

7/16" LAMINATED GLASS COMPOSITION - TYPE D

ITEM	GLASS DESCRIPTION	DETAIL
1	3/16" HEAT-STRENGTHENED GLASS	
2	0.090" TROSIFOL PVB by Kuraray America, Inc.	
3	3/16" HEAT-STRENGTHENED GLASS	

LAMINATED INSULATED GLASS COMPOSITION TYPE E

ITEM	DESCRIPTION	DETAIL
1	1/8" ANNEALED GLASS	
2	0.090" TROSIFOL PVB by Kuraray America, Inc.	
3	1/8" ANNEALED GLASS	
4	1/4" INSULATED AIR SPACE	
5	1/8" ANNEALED GLASS	

LAMINATED INSULATED GLASS COMPOSITION TYPE F

ITEM	DESCRIPTION	DETAIL
1	1/8" ANNEALED GLASS	
2	0.090" SAFLEX PVB by Eastman Chemical co.	
3	1/8" ANNEALED GLASS	
4	1/4" INSULATED AIR SPACE	
5	1/8" HEAT-STRENGTHENED GLASS	

LAMINATED INSULATED GLASS COMPOSITION TYPE G

ITEM	DESCRIPTION	DETAIL
1	3/16" HEAT-STRENGTHENED GLASS	
2	0.090" TROSIFOL PVB by Kuraray America, Inc.	
3	3/16" HEAT-STRENGTHENED GLASS	
4	1/4" INSULATED AIR SPACE	
5	3/16" ANNEALED GLASS	

LAMINATED INSULATED GLASS COMPOSITION TYPE H

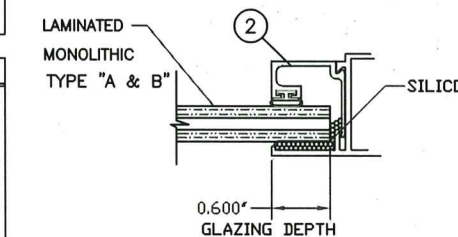
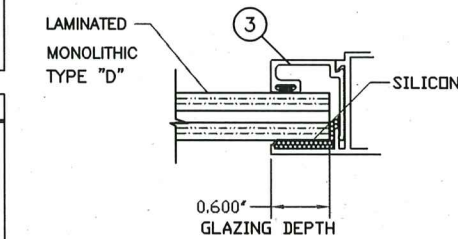
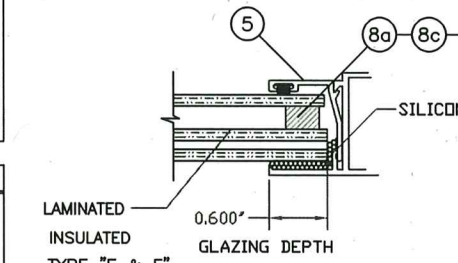
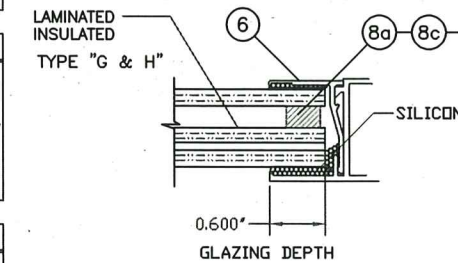
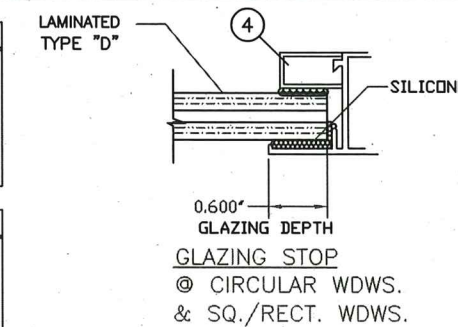
ITEM	DESCRIPTION	DETAIL
1	1/8" ANNEALED GLASS	
2	0.090" SAFLEX PVB by Eastman Chemical co.	
3	1/8" ANNEALED GLASS	
4	1/4" INSULATED AIR SPACE	
5	3/16" ANNEALED GLASS	

- 8 Insulated Spacer Types & Options**
- 8 a) "TrueSeal" Swiggle Seal
 - 8 b) "Quanex" SuperSpacer w/ Isomelt M
 - 8 c) "Quanex" Duraseal

Notes: (*)

- 1.) WINDOWS WITH GLASS TYPES "E, F, G, OR H" INSTALLED ABOVE 30 FT. IN THE HVHZ, THE I.G. EXTERIOR LITE SHALL BE TEMPERED TO COMPLY WITH THE SMALL MISSILE IMPACT RESISTANCE REQUIREMENTS (FBC-Chapter 24 Section 2411.3.3.7).

(*) Tempered glass and Laminated Glass marked and in compliance with Section 2406 Safety Glazing: CPSC 16 CFR Part 1201" or "ANSI Z97.1-2015.



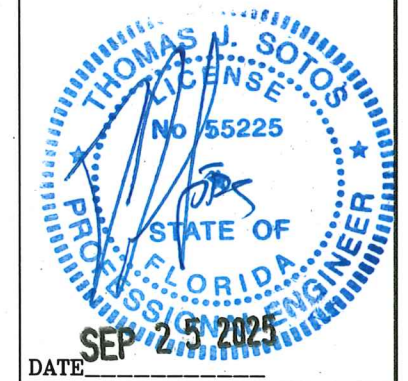
TYPICAL GLAZING DETAILS

PRODUCT REVISED
as complying with the Florida
Building Code
Acceptance No **25-0929-07**
Expiration Date **7/19/2027**
By **Sheryl L. Chandra**
Miami Dade Product Control



**7300 ALUMINUM
PICTURE WINDOW -
IMPACT FIN FRAME**

NO.	DESCRIPTION	BY	DATE
A	Revises NDA # 23-1010.01	N.E.	09/05/25



DATE: SEP 25 2025	
THOMAS J. SOTOS, P.E. FL P.E. LIC. # 55225	
SHEET DESCRIPTION: DESIGN LOAD CHARTS, LAMINATED GLASS TYPES, GLAZING DETAILS AND NOTES	
DRAWN BY: N. Erazo	DATE: 12/18/2023
REV. BY: N. Erazo	DATE: 09/05/2025
DWG #: CWS-1247	REV #: A
SCALE: ---	SHEET 4 OF 5

BILL OF MATERIALS					
ITEM	PART #	QUANTITY	DESCRIPTION	MATERIAL	REMARKS
1	L-4301	2	FRAME HEAD/SILL/JAMB	6063-T6	-
2	L-7708	4	GLAZING BEAD (5/16" GLASS)	6063-T6	-
3	L-4205	4	GLAZING BEAD (3/8" & 13/32" GLASS)	6063-T6	-
4	L-4204	AS REQD.	GLAZING BEAD AT CIRCULAR WDWS.	6063-T5	-
5	L-7709	4	GLAZING BEAD (5/16" GLASS- INSULATED)	6063-T6	-
6	L-6211	4	GLAZING BEAD (7/16" GLASS - INSULATED)	6063-T6	-
7	#8 X 1"	2/ CORNER	ASSEMBLY (SMS) SCREWS	-	P.H. / SQUARE RECESS
8a	812-25H-357	AS REQD.	"TruSeal" Swiggle Spacer	Black	1/4" Air Spacer
8b	*	AS REQD.	"TruSeal" Dura-Seal Spacer	Black	1/4" Air Spacer
8c	*	AS REQD.	"QUANEX" SuperSpacer w/ Isomelt M	Black	1/4" Air Spacer
9	VWS-004	AS REQD.	GLAZING VINYL BULB - TEAM PLASTICS	FLEX. PVC	Material Composition Below
10	PWS-001	AS REQD.	PILE WTS'P SEAL	*	.187" w. X .150" h.
11	DC-899	AS REQD.	GLAZING SILICONE	*	DOW CORNING
12	PL 75.6020	AS REQD.	GLAZING SETTING BLOCK	SOFT PVC	1/8" X 1/8" X 2"

Flexible Vinyl (FPVC) Composition - Team Plastics, Inc.

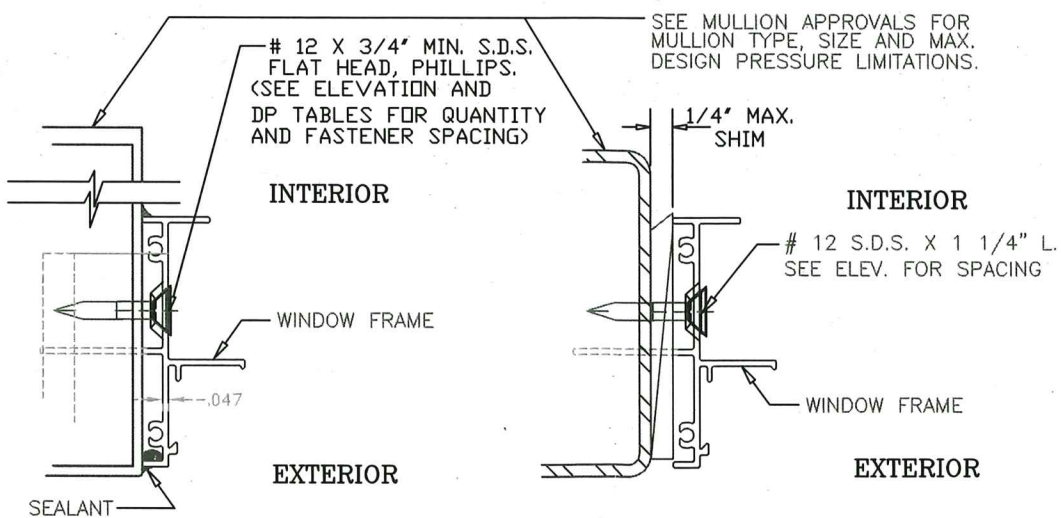
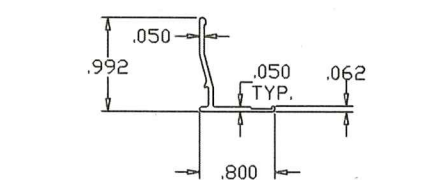
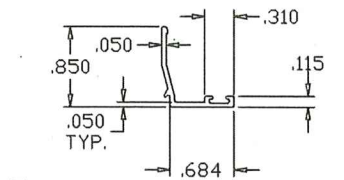
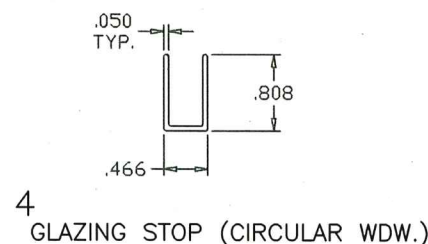
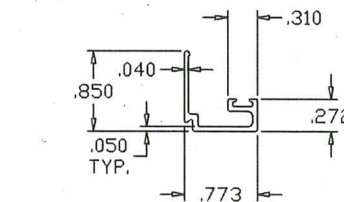
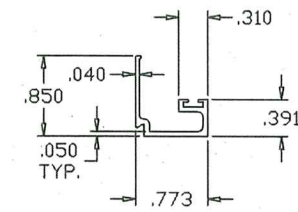
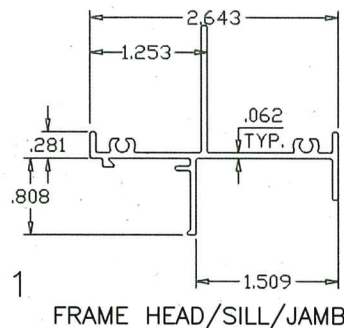
*1. FPVC Black: Compound No. 7200-75

PHYSICAL		ASTM NO.
Durometer Hardness "A", 10 sec	75	D-2240
Specific Gravity	1.45	D-792
Tensile Strength, PSI	1640	D-638
Ultimate Elongation, %	340.0	D-638
Modulus @ 100% Elongation, PSI	765.0	D-638
Impact Brittleness,	-31.0	D-746

*2. FPVC White: Compound No. 7267-75

PHYSICAL		ASTM NO.
Durometer Hardness "A", 10 sec	75	D-2240
Specific Gravity	1.45	D-792
Tensile Strength, PSI	1640	D-638
Ultimate Elongation, %	325.0	D-638
Modulus @ 100% Elongation, PSI	765.0	D-638
Impact Brittleness,	-30.0	D-746

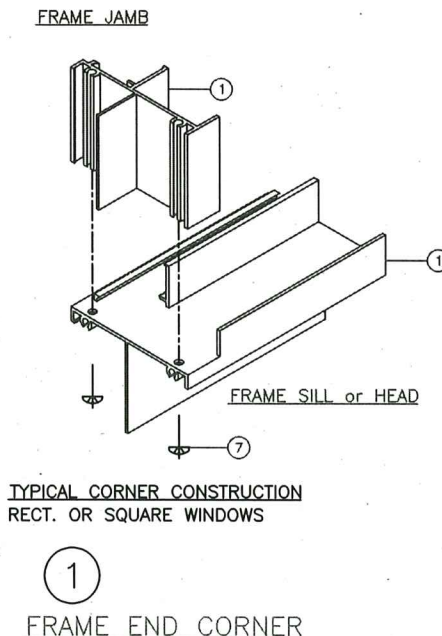
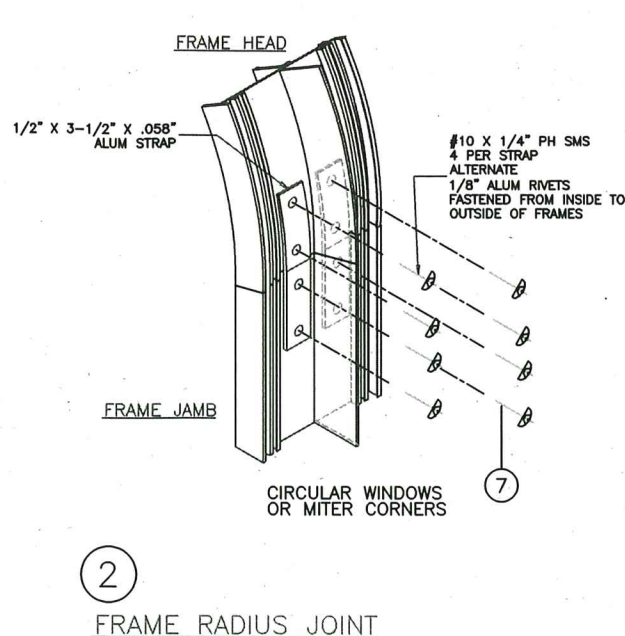
WINDOW FRAME EXTRUSION DETAILS



NOTE: THE LOWER PRESSURES OF WINDOW OR MULL SHALL GOVERN

1. ALL STEEL IN CONTACT WITH ALUM. TO BE PAINTED OR PLATED.
2. METAL STRUCTURES: (STEEL OR ALUM. 1/8" MIN. THICK)
 - A) STEEL : Fy = 36 KSI MIN.
 - B) ALUMINUM : 6063-T5 MIN.

MULLION & METAL STRUCTURE ATTACHMENT DETAIL



FRAME CORNER & JOINT DETAILS

SEALANT:

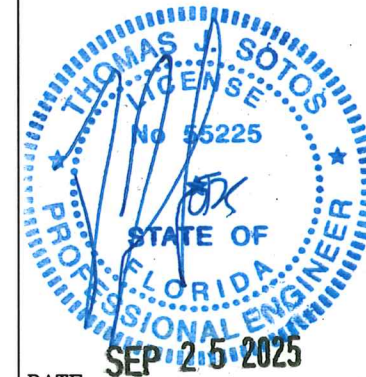
FRAME CORNERS, OR JOINTS SEALED WITH A SEALANT (ITW ACRYL-R JOINT SELF-LEVELING SEALANT SM-5504/5591) AND PERIMETER OF RADIUS GLAZING BEAD WITH CLEAR SILICONE



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

7300 ALUMINUM
PICTURE WINDOW -
IMPACT FIN FRAME

NO.	DESCRIPTION	BY	DATE
A	Revises NDA # 23-1010.01	N.E.	09/05/25



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

SHEET DESCRIPTION:
BILL OF MATERIALS, EXTRUSION
TYPES, MULLING-ATTACHMENT
DETAILS AND CORNER-JOINT
ASSEMBLY DETAILS

PRODUCT REVISED
as complying with the Florida
Building Code
Acceptance No 25-0979.07
Expiration Date 7/19/2027
By [Signature]
Miami Dade Product Control

DRAWN BY:	N. Erazo	DATE:	12/18/2023
REV. BY:	N. Erazo	DATE:	09/05/2025
DWG #:	CWS-1247	REV #:	A
SCALE:	---	SHEET	5 OF 5