



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 "7400-Flange Frame" Outswing Aluminum Casement Window – L.M.I.

APPROVAL DOCUMENT: Drawing No. CWS-1251 Rev A (former L3200-0801), titled "Series: 7400 Aluminum Casement Window-Flange Frame", sheets 1 through 7 of 7, 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

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. 24-0116.04 (Lawson Industries Inc.) and consists of this page 1 and evidence pages E-1, E-2, E-3, E-4 and E-5, as well as approval document mentioned above.

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



NOA No. 25-0929.09
Expiration Date: March 04, 2029
Approval Date: November 06, 2025
Page 1

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

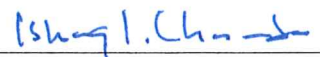
1. **EVIDENCE SUBMITTED UNDER PREVIOUS NOA's**

A. **DRAWINGS**

1. Manufacturer's die drawings and sections.
(Submitted under NOA No. 08-1020.08)
2. Drawing No. **L3200-0801**, titled "Series: 3200 Outswing Impact Casement Window", sheets 1 through 7 of 7, dated 07/27/08, with revision **G** dated 09/29/23, prepared by manufacturer, signed and sealed by Thomas J. Sotos, P.E.
(Submitted under NOA No. 23-1010.05)

B. **TESTS**

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



Ishaq I. Chanda, P.E.

Product Control Unit Supervisor

NOA No. 25-0929.09

Expiration Date: March 04, 2029

Approval Date: November 06, 2025

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

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

C. CALCULATIONS

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

D. QUALITY ASSURANCE

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

E. MATERIAL CERTIFICATIONS

1. Notice of Acceptance No. 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.

F. STATEMENTS

1. Statement letter of conformance, complying with **FBC 8th Edition (2023)**, dated 10/04/23, issued by the manufacturer, signed and sealed by Thomas J. Sotos, P.E. *(Submitted under NOA No.22-1010.05)*
2. Statement letter of no financial interest, dated 10/04/23, issued by the manufacturer, signed and sealed by Thomas J. Sotos, P.E. *(Submitted under NOA No.22-1010.05)*
3. Proposal No. **23-0461R** issued by Product Control Section, dated 06/13/23 and revised on 06/16/23, signed by Manuel Perez, P.E. *(Submitted under NOA No.22-1010.05)*
4. Testing Proposal issued by the Product Control Section, dated December 12, 2018, signed by Manuel Perez, P.E. *(Submitted under NOA No.19-0227.06)*
5. Laboratory compliance letter for Test Reports No.'s **HETI-08-2099A, HETI-08-2102A, HETI-08-2097A, HETI-08-2103A, HETI-08-2131A, HETI-08-2099B, HETI-08-2100, HETI-08-2101, HETI-08-2102A, HETI-08-2102B, HETI-08-2097B, HETI-08-2103B, HETI-08-2104, HETI-08-2105, HETI-08-2106, HETI-08-2125 and HETI-08-2131B**, all dated 07/10/08, all issued by Hurricane Engineering & Testing, Inc., signed and sealed by Candido F. Font, P.E. *(Submitted under NOA No. 08-1020.08)*



Ishaq I. Chanda, P.E.

Product Control Unit Supervisor

NOA No. 25-0929.09

Expiration Date: March 04, 2029

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NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

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

G. OTHERS

1. Notice of Acceptance No. **20-0814.07** issued to Lawson Industries, Inc. for their Series "3200" Outswing Aluminum Casement Window – L.M.I., approved on 10/15/20 and expiring on 03/04/24.

2. EVIDENCE SUBMITTED under previous approval

A. DRAWINGS

1. None.

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. **23-0717.30** issued to **Kuraray America, Inc.** for their "SentryGlas® (Clear and White) Glass Interlayers" dated 08/31/23, expiring on 07/04/28.
2. Notice of Acceptance No. **23-0717.28** issued to **Kuraray America, Inc.** for their "Trosifol® Ultraclear, Clear and Color PVB Glass Interlayers" dated 08/24/23, 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.

F. STATEMENTS

1. Statement letter of conformance, complying with **FBC 8th Edition (2023)**, dated January 12, 2024, issued by the manufacturer, signed and sealed by Thomas J. Sotos, P.E.

G. OTHERS

1. Notice of Acceptance No. **23-1010.05** issued to Lawson Industries, Inc. for their Series "3200" Outswing Aluminum Casement Window – L.M.I., approved on 10/10/23 and expiring on 03/04/24.



Ishaq I. Chanda, P.E.

Product Control Unit Supervisor

NOA No. 25-0929.09

Expiration Date: March 04, 2029

Approval Date: November 06, 2025

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

3. NEW EVIDENCE SUBMITTED

A. DRAWINGS

1. Drawing No. **CWS-1251 Rev A** (former **L3200-0801**), titled "Series: 7400 Aluminum Casement Window-Flange Frame", sheets 1 through 7 of 7, 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. **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.



Ishaq I. Chanda, P.E.
Product Control Unit Supervisor
NOA No. 25-0929.09
Expiration Date: March 04, 2029
Approval Date: November 06, 2025

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

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 and identical as NOA# **24-0116.04** 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.

E. OTHERS

1. This NOA **revises NOA No. 24-0116.04 (Lawson Industries Inc.)**, expiring 03/04/29.
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 # **24-0116.04**, issued to Lawson Industries Inc. for series “**3200** Outswing Aluminum Casement Window -LMI, expiring 03/04/2029. (**This NOA to be rescinded**).
5. NOA #**24-0116.11**, issued to Custom windows System Inc., for the series “7400 Outswing Aluminum Casement window (flange frame) -LMI, expiring 03/04/2029. (**This Private label NOA with Lawson Industries Inc., to be rescinded**)



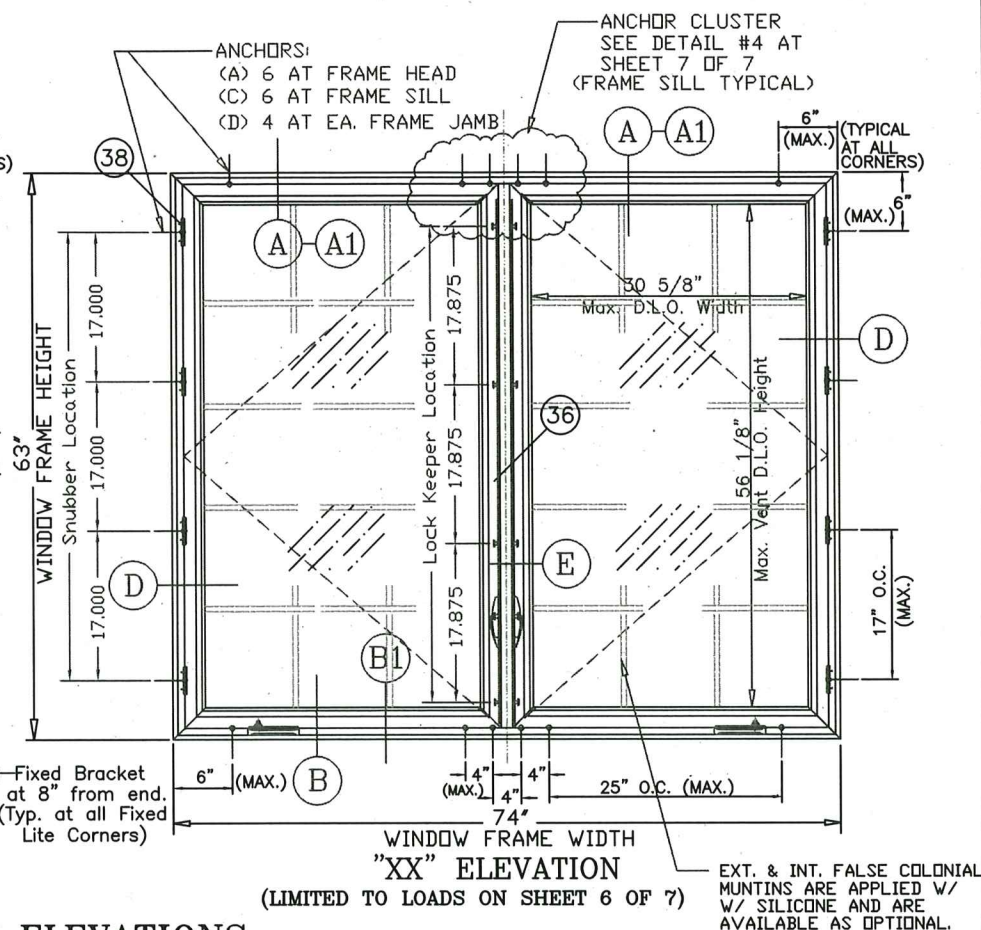
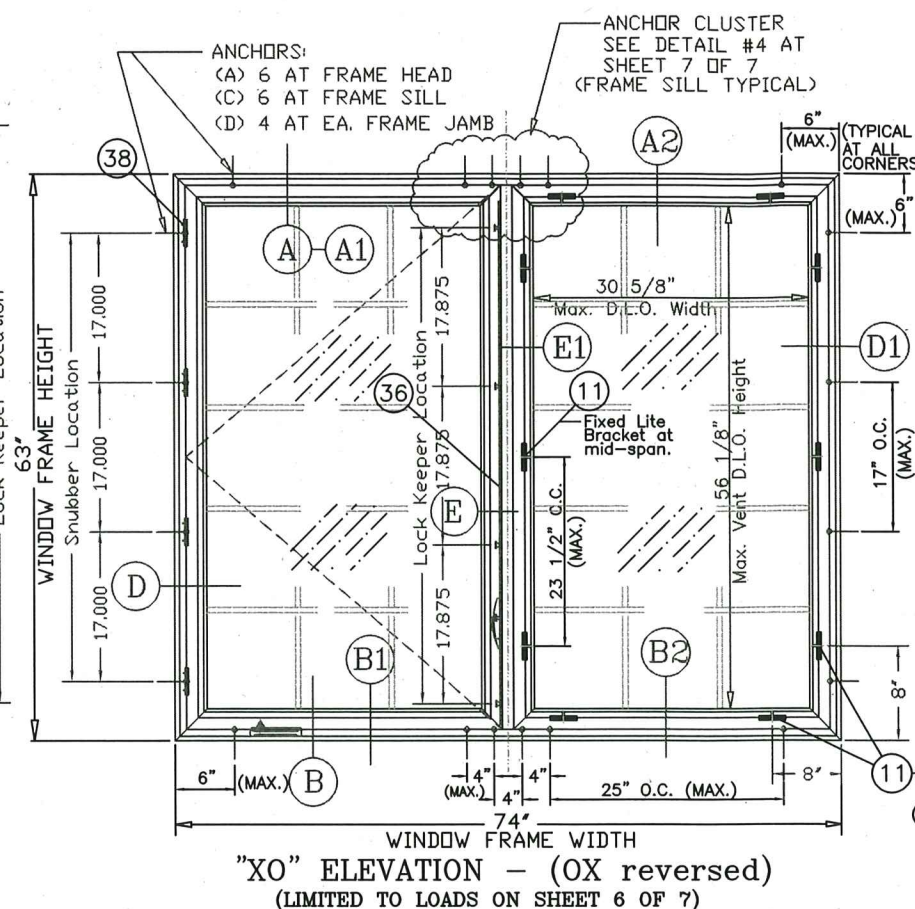
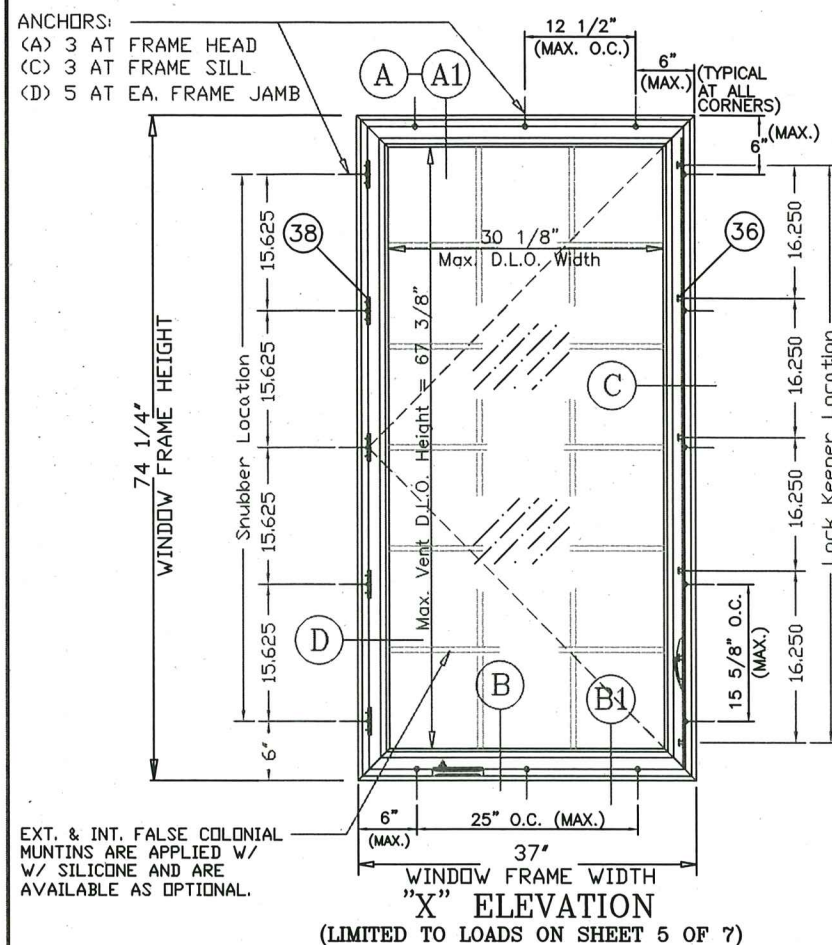
Ishaq I. Chanda, P.E.

Product Control Unit Supervisor

NOA No. 25-0929.09

Expiration Date: March 04, 2029

Approval Date: November 06, 2025



OUTSWING CASEMENT IMPACT WINDOW APPROVED ELEVATIONS

General Notes:

- 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 AND DOES NOT REQUIRED SHUTTERS.
- 1X or 2 X WOOD BUCKS SHALL BE INSTALLED AND ANCHORED SO THAT THE BUILDING RESISTS THE SUPERIMPOSED LOADS IN ACCORDANCE WITH REQUIREMENTS OF F.B.C. & TO BE REVIEWED BY BUILDING OFFICIAL.
- ANCHORS SHOWN ABOVE ARE AS PER TEST UNITS. ON CENTER (O.C.) ANCHOR SPACINGS WILL VARY WITH UNIT DIMENSIONS, AND THE NUMBER OF ANCHORS REQUIRED, AS SPECIFIED ON THE LOAD TABLES AT SHEETS 5 & 6.
- 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.
- SEE SHEET #4 OF 7 FOR BILL OF MATERIALS AND DETAILS.
- SEE SHEET #5 & 6 OF 7 FOR GLAZING DETAILS & OPTIONS AND CHARTS FOR MAX. DESIGN PRESSURES.
- WOOD BUCKS IN CONTACT WITH CONCRETE MUST BE PRESSURE TREATED AND ANCHORED PRIOR TO WINDOW INSTALLATION (BY OTHERS). (SEE SHEETS #2 & 3 FOR DETAIL & NOTES)
- MATERIALS INCLUDING BUT NOT LIMITED TO STEEL SCREWS, THAT COME INTO CONTACT WITH OTHER DISSIMILAR MATERIALS SHALL MEET THE REQUIREMENTS OF FLORIDA BUILDING CODE.
- EXT. & INT. FALSE COLONIAL MUNTINS ARE OPTIONAL & AND ARE APPLIED W/ SILICONE
- FRAME SILL ANCHOR CLIPS TO BE MEASURED FROM THE INSIDE EDGE OF THE WINDOW FRAME AND TO BE LOCATED WITHIN A +/- 1/2" TOLERANCE.
TOTAL OF ANCHORS REQUIRED AT SILL TO BE THE SAME AS FRAME HEAD.
- SEE SHEET # 4 OF 10 FOR FLANGE PERIMETER CAULK/ INSTALLATION DETAIL.
- EXT. & INT. FALSE COLONIAL MUNTINS ARE OPTIONAL & AND ARE APPLIED W/ SILICONE

GENERAL ANCHORS NOTE:

SEE SHEETS 2 & 3 OF 7 FOR ANCHOR TYPES, DESCRIPTIONS AND ANCHOR LOAD CAPACITIES.
ALL ANCHORS WITH A MINIMUM OF 1 1/4" EMBEDMENT INTO MASONRY, WOOD OR CONCRETE.

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

PRODUCT REVISED
as complying with the Florida
Building Code
Acceptance No. 25-0929-09
Expiration Date 3/4/2029
By *Shay L. Chan*
Miami Dade Product Control

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

**7400 ALUMINUM
CASEMENT WINDOW -
IMPACT FLANGE FRAME**

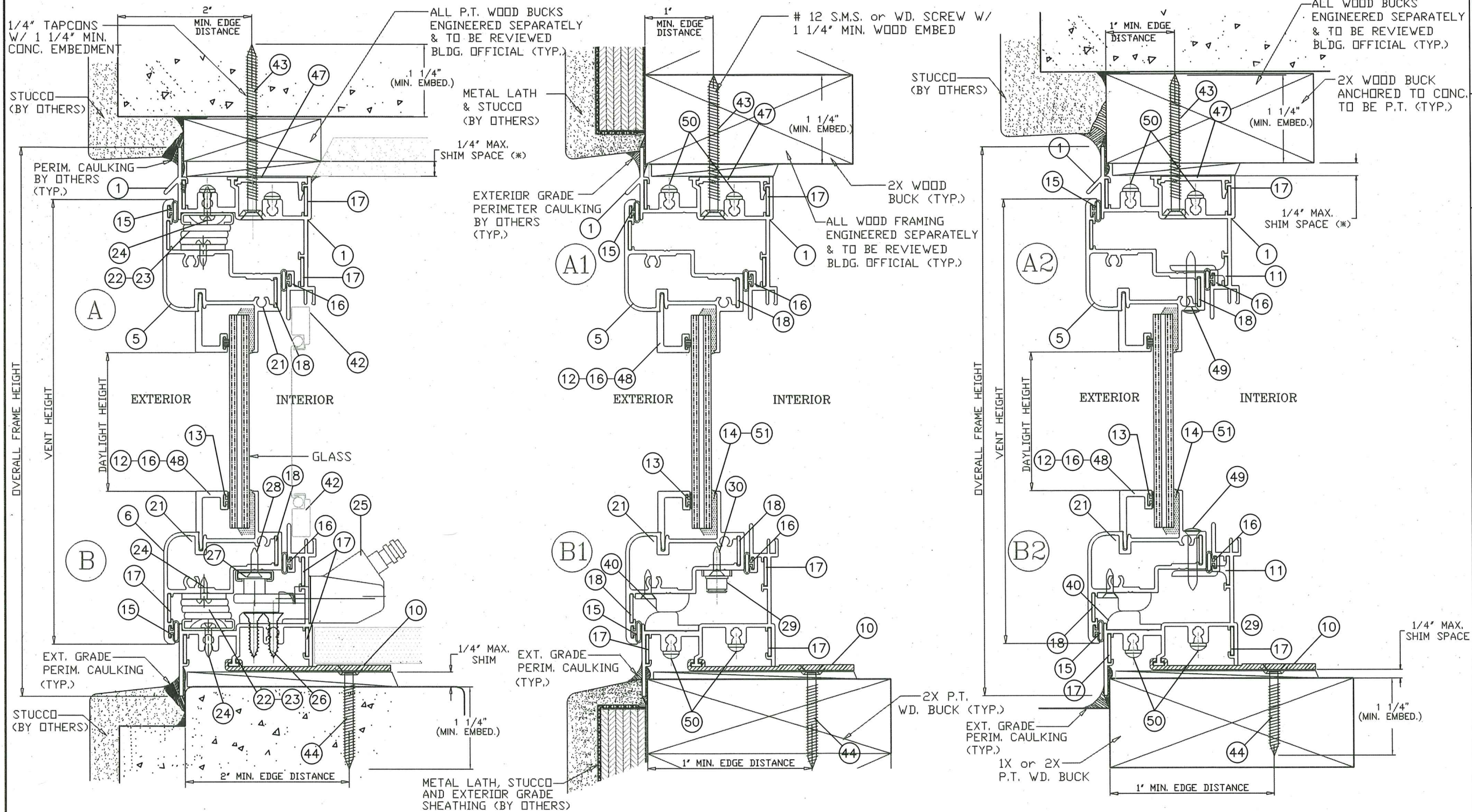
REVISIONS		DATE:
A	Revises NDA # 24-0116.04	09/05/25
NO.	DESCRIPTION:	BY:

DATE: _____

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

SHEET DESCRIPTION:
**GENERAL NOTES,
APPROVED ELEVATIONS
(X, XX, XO, or OX)**

DRAWN BY:	DATE:
N. Erazo	12/18/2023
REV. BY:	DATE:
N. Erazo	09/05/2025
DWG #:	REV #:
CWS-1251	A
SCALE:	SHEET
—	1 OF 7



TYPICAL ANCHORS:(SEE ELEV. AT SHEET 1 OF 7 FOR SPACING)

ANCHOR TYPE CHART IN CONC. or MASONRY (min.)					BLOCK
ANCHOR OPTIONS	SIZE	Embedment	Edge Dist.	Concrete	Edge Dist.
ELCO ULTRACON	1/4"	1 1/4"	1"	2.85 Ksi	2 1/2"
BUILDEX	1/4"	1 1/4"	1 1/2"	2.0 Ksi	2"
ANCHOR TYPE CHART IN 2X WOOD BUCK (min.)					
ANCHOR OPTIONS	HEAD-SILL	JAMB	Embedment	Edge Dist.	2x Wood
ELCO ULTRACON	1/4"	1/4"	1 1/4"	1"	.55 SG
BUILDEX	1/4"	1/4"	1 1/4"	1"	.55 SG
S.M.S. (Into 2X)	#12	#12	1 1/4"	1"	.55 SG

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 CAULKED AND 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.

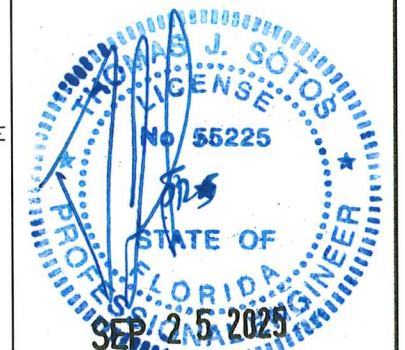
PRODUCT REVIEW
as complying with the Florida
Building Code
Acceptance No **25-0929.09**
Expiration Date **3/4/2029**
By **Ishay I. Chandra**
Miami Dade Product Control



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

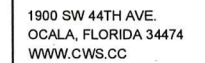
**7400 ALUMINUM
CASEMENT WINDOW -
IMPACT FLANGE FRAME**

NO.		DESCRIPTION	BY	DATE
A	Revises NDA # 24-0116.04		NE	09/05/25

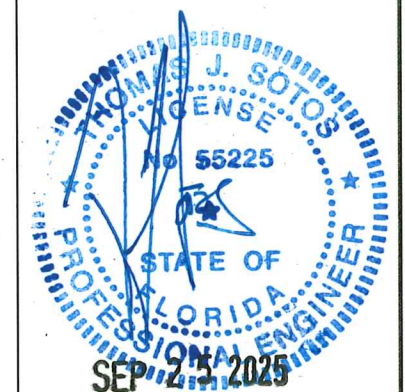


DATE
THOMAS J. SOTOS, P.E.
FL. P.E. LIC. # 55225
SHEET DESCRIPTION:
**VERTICAL CROSS SECTIONS,
INSTALLATION DETAILS AND
NOTES**

DRAWN BY:	DATE:
N. Erazo	12/18/2023
REV. BY:	DATE:
N. Erazo	09/05/2025
DWG #:	REV #:
CWS-1251	A
SCALE:	SHEET
	2 OF 7



A	Revises NDA # 24-0116.04	N.E.	09/05/25		
NO.:	DESCRIPTION:	BY:	DATE:		
				REVISIONS	



DATE _____

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

SHEET DESCRIPTION:

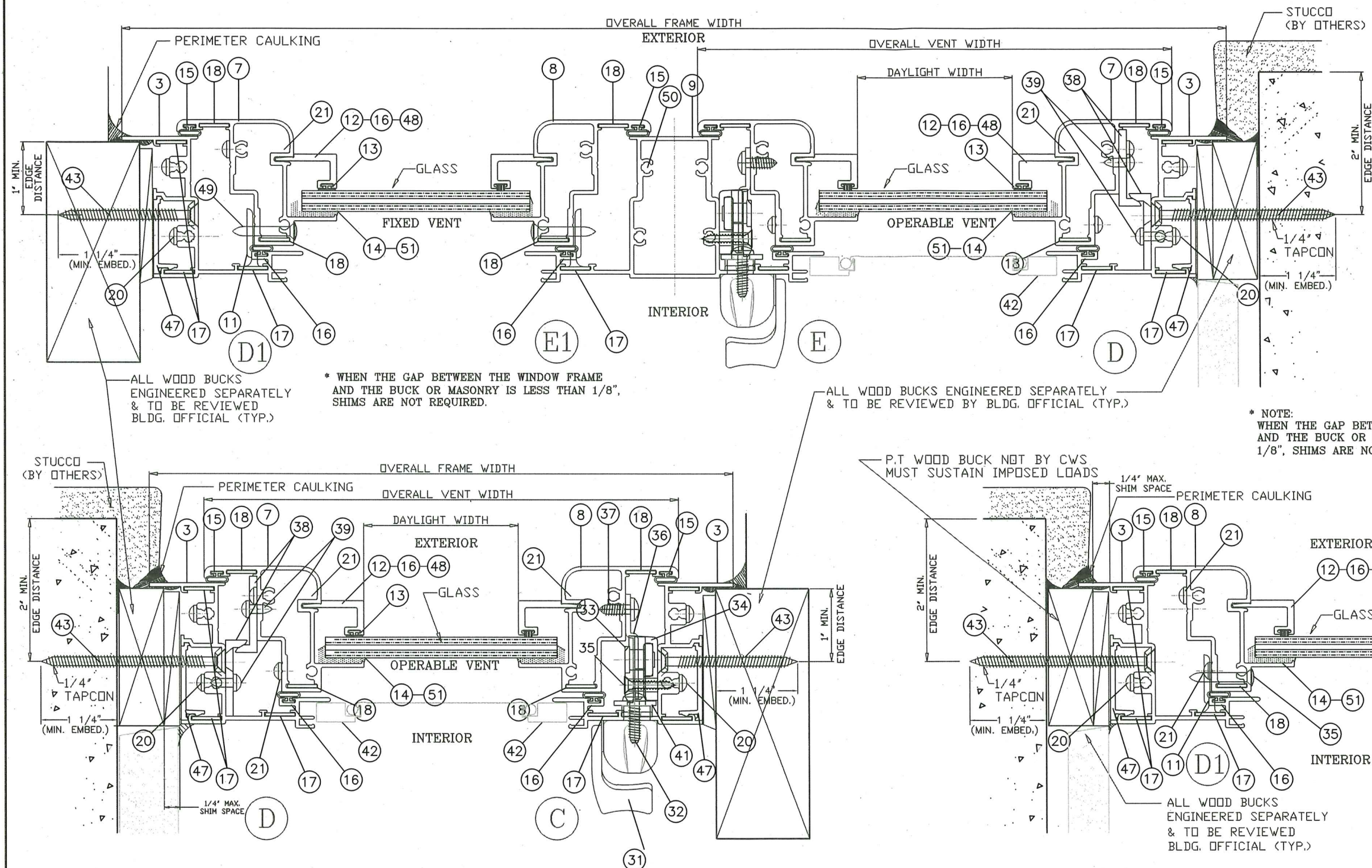
**HORIZONTAL CROSS SECTIONS,
INSTALLATION DETAILS AND
NOTES**

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

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

DWG #:	REV #:
CWS-1251	A

SCALE:	SHEET 3 OF 7
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TYPICAL ANCHORS:(SEE ELEV. AT SHEET 1 OF 7 FOR SPACING)

ANCHOR TYPE CHART IN CONC. or MASONRY (min.)					BLOCK
ANCHOR OPTIONS	SIZE	Embedment	Edge Dist.	Concrete	Edge Dist.
ELCO ULTRACON	1/4"	1 1/4"	1"	2.85 Ksi	2 1/2"
BUILDEX	1/4"	1 1/4"	1 1/2"	2.0 Ksi	2"
ANCHOR TYPE CHART IN 2X WOOD BUCK (min.)					
ANCHOR OPTIONS	HEAD-SILL	JAMB	Embedment	Edge Dist.	2x Wood
ELCO ULTRACON	1/4"	1/4"	1 1/4"	1"	.55 SG
BUILDEX	1/4"	1/4"	1 1/4"	1"	.55 SG
S.M.S. (Into 2X)	#12	#12	1 1/4"	1"	.55 SG

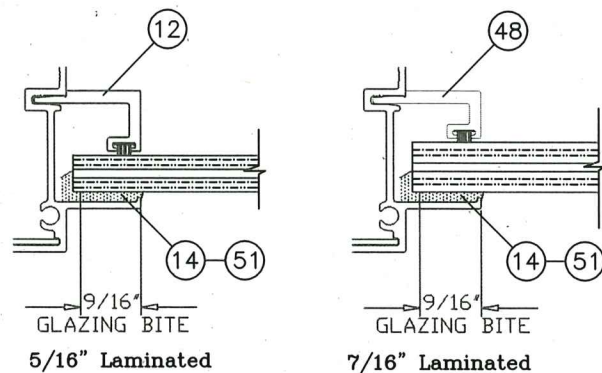
WINDOW INSTALLATION NOTES:

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 CAULKED AND SEALED W/ AN APPROVED EXTERIOR GRADE CAULK BY OTHERS (TYP.)

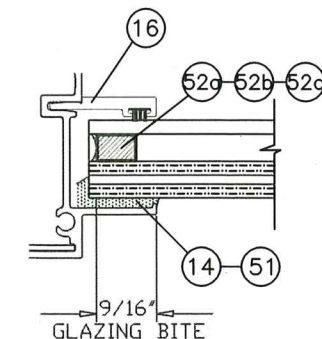
* WHEN THE GAP BETWEEN THE WINDOW FRAME AND THE BUCK OR MASONRY IS LESS THAN 1/8". SHIMS ARE NOT REQUIRED.

PRODUCT REVISED
as complying with the Florida
Building Code
Acceptance No. 25-0929.09
Expiration Date 3/4/2029
By Isheng L. Chua
Miami Dade Product Control

7/16" LAMINATED GLASS COMPOSITION - TYPE "D"		
ITEM	DESCRIPTION	DETAIL
1	3/16" ANNEALED GLASS	<p>Diagram showing the cross-section of the laminated glass assembly. The total thickness is 7/16". The assembly consists of three layers of 3/16" annealed glass separated by two layers of 0.090" PVB interlayer. The interlayer is labeled 'Saflex PVB by Eastman Chemical Co.'.</p>
2	0.090" PVB INTERLAYER	
3	3/16" ANNEALED GLASS	



11/16" LAMINATED GLASS COMPOSITION TYPE "E"		
ITEM	DESCRIPTION	DETAIL
1	1/8" ANNEALED GLASS	
2	0.090" PVB INTERLAYER Saflex PVB by Eastman Chemical Co.	
3	1/8" ANNEALED GLASS	
4	1/4" INSULATED AIR SPACE	
5	1/8" ANNEALED GLASS	



11/16" Laminated/Insulated

LAMINATED GLASS TYPES & GLAZING DETAILS

NOTE: WINDOWS WITH GLASS TYPES "E" INSTALLED ABOVE 30ft. IN THE HVHZ, THE I.G. EXTERIOR LITE SHALL BE TEMPERED TO COMPLY WITH THE SMALL MISSILE IMPACT RESISTANCE REQUIREMENTS (FBC-2023, Chapter 24 Section 2411.3.3.7).

Insulated Spacer Types & Options

- 52 a) "TrueSeal" Swiggle Seal
52 b) "Quanex" SuperSpacer w/ Isomelt M
52 c) "Quanex" Duraseal

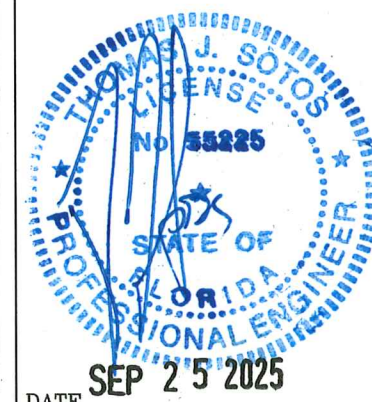
(*) Tempered glass and Laminated Glass marked and in compliance with Section 2406 Safety Glazing: CPSC 16 CFR Part 1201" or "ANSI Z97.1-2015.

						Flange Frame Window Glazed with									
Impact Casement Window Configuration: "X"						Glass Type "A"		Glass Type "B"		Glass Type "C"		Glass Type "D"		Glass Type "E"	
						5/16" Annealed Glass		5/16" H.S. Glass - PVB		5/16" H.S. Glass -SGP		7/16" Annealed Glass		11/16" Annealed Glass	
COMMODITY SIZES	Size	Width	Height	Anchors		DP(+)	DP(-)	DP(+)	DP(-)	DP(+)	DP(-)	DP(+)	DP(-)	DP(+)	DP(-)
	Code	(in)	(in)	Head/Sill	Jamb	psf	psf	psf	psf	psf	psf	psf	psf	psf	psf
	12	19.125	26	2	2	59.0	59.0	70.0	82.0	70.0	82.0	70.0	73.0	70.0	73.0
	13	19.125	38.375	2	3	59.0	59.0	70.0	82.0	70.0	82.0	70.0	73.0	70.0	73.0
	14	19.125	50.625	2	4	59.0	59.0	70.0	82.0	70.0	82.0	70.0	73.0	70.0	73.0
	15	19.125	63	2	5	59.0	59.0	70.0	82.0	70.0	82.0	70.0	73.0	70.0	73.0
	16	19.125	74.25	2	5	59.0	59.0	70.0	82.0	70.0	82.0	70.0	73.0	70.0	73.0
	H32	26.5	26	3	2	59.0	59.0	70.0	82.0	70.0	82.0	70.0	73.0	70.0	73.0
	H33	26.5	38.375	3	3	59.0	59.0	70.0	82.0	70.0	82.0	70.0	73.0	70.0	73.0
	H34	26.5	50.625	3	4	59.0	59.0	70.0	82.0	70.0	82.0	70.0	73.0	70.0	73.0
	H35	26.5	63	3	5	59.0	59.0	70.0	82.0	70.0	82.0	70.0	73.0	70.0	73.0
	H36	26.5	74.25	3	5	59.0	59.0	70.0	82.0	70.0	82.0	70.0	73.0	70.0	73.0
	22	37	26	3	2	59.0	59.0	70.0	82.0	70.0	82.0	70.0	73.0	70.0	73.0
	23	37	38.375	3	3	59.0	59.0	70.0	82.0	70.0	82.0	70.0	73.0	70.0	73.0
	24	37	50.625	3	4	59.0	59.0	70.0	82.0	70.0	82.0	70.0	73.0	70.0	73.0
25	37	63	3	5	59.0	59.0	70.0	82.0	70.0	82.0	70.0	73.0	70.0	73.0	
26	37	74.25	3	5	59.0	59.0	70.0	82.0	-	-	-	-	-	-	
MODULAR SIZES	2020	24	24	2	2	59.0	59.0	70.0	82.0	70.0	82.0	70.0	73.0	70.0	73.0
	2030	24	36	2	3	59.0	59.0	70.0	82.0	70.0	82.0	70.0	73.0	70.0	73.0
	2040	24	48	2	4	59.0	59.0	70.0	82.0	70.0	82.0	70.0	73.0	70.0	73.0
	2050	24	60	2	5	59.0	59.0	70.0	82.0	70.0	82.0	70.0	73.0	70.0	73.0
	2060	24	72	2	5	59.0	59.0	70.0	82.0	70.0	82.0	70.0	73.0	70.0	73.0
	2620	30	24	3	2	59.0	59.0	70.0	82.0	70.0	82.0	70.0	73.0	70.0	73.0
	2630	30	36	3	3	59.0	59.0	70.0	82.0	70.0	82.0	70.0	73.0	70.0	73.0
	2640	30	48	3	4	59.0	59.0	70.0	82.0	70.0	82.0	70.0	73.0	70.0	73.0
	2650	30	60	3	5	59.0	59.0	70.0	82.0	70.0	82.0	70.0	73.0	70.0	73.0
	2660	30	72	3	5	59.0	59.0	70.0	82.0	70.0	82.0	70.0	73.0	70.0	73.0
	2820	32	24	3	2	59.0	59.0	70.0	82.0	70.0	82.0	70.0	73.0	70.0	73.0
	2830	32	36	3	3	59.0	59.0	70.0	82.0	70.0	82.0	70.0	73.0	70.0	73.0
	2840	32	48	3	4	59.0	59.0	70.0	82.0	70.0	82.0	70.0	73.0	70.0	73.0
	2850	32	60	3	5	59.0	59.0	70.0	82.0	70.0	82.0	70.0	73.0	70.0	73.0
	2860	32	72	3	5	59.0	59.0	70.0	82.0	70.0	82.0	70.0	73.0	70.0	73.0
	3020	36	24	3	2	59.0	59.0	70.0	82.0	70.0	82.0	70.0	73.0	70.0	73.0
	3030	36	36	3	3	59.0	59.0	70.0	82.0	70.0	82.0	70.0	73.0	70.0	73.0
	3040	36	48	3	4	59.0	59.0	70.0	82.0	70.0	82.0	70.0	73.0	70.0	73.0
3050	36	60	3	5	59.0	59.0	70.0	82.0	70.0	82.0	70.0	73.0	70.0	73.0	
3060	36	72	3	5	59.0	59.0	70.0	82.0	-	-	-	-	-	-	

PRODUCT REVISED
as complying with the Florida
Building Code
Acceptance No 25-0929-09
Expiration Date 3/4/2029
By Isang I. Chon
Miami Dade Product Control



**7400 ALUMINUM
CASEMENT WINDOW -
IMPACT FLANGE FRAME**

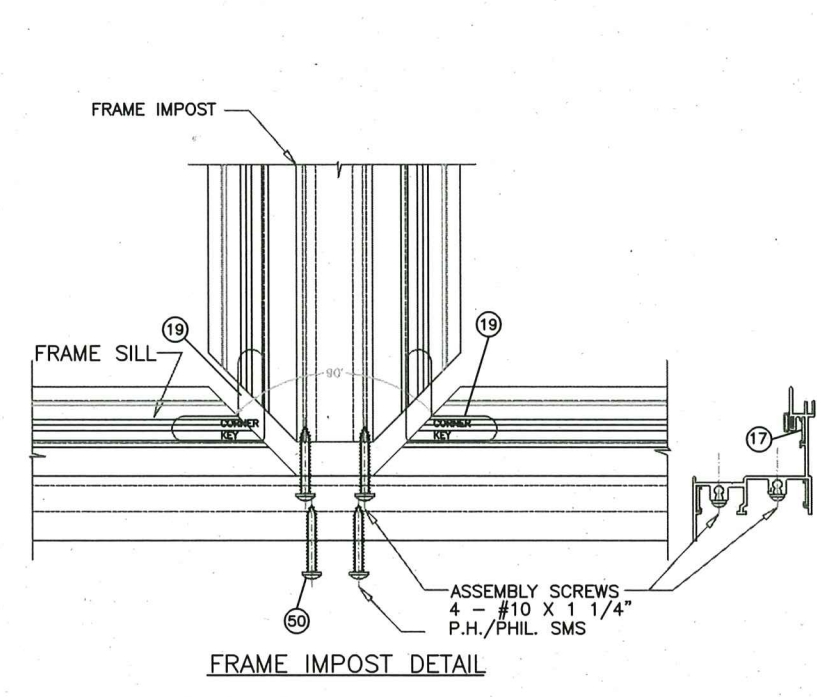
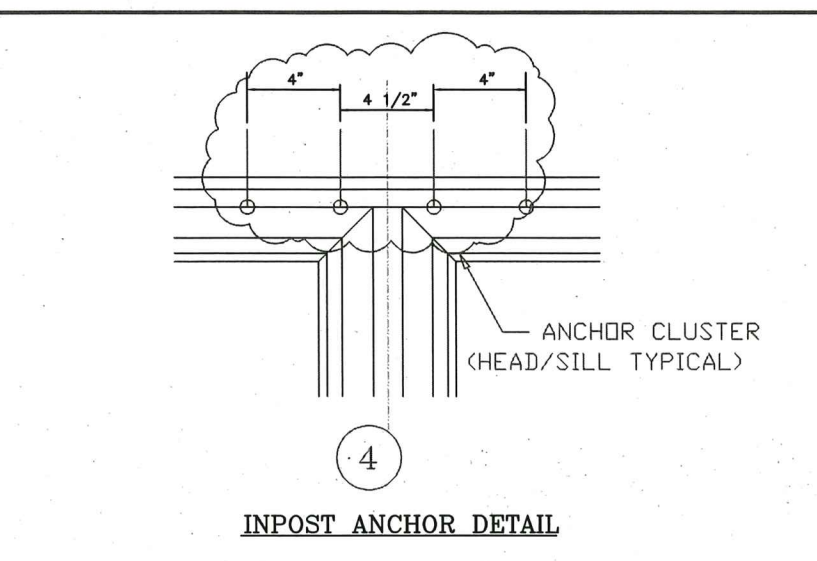
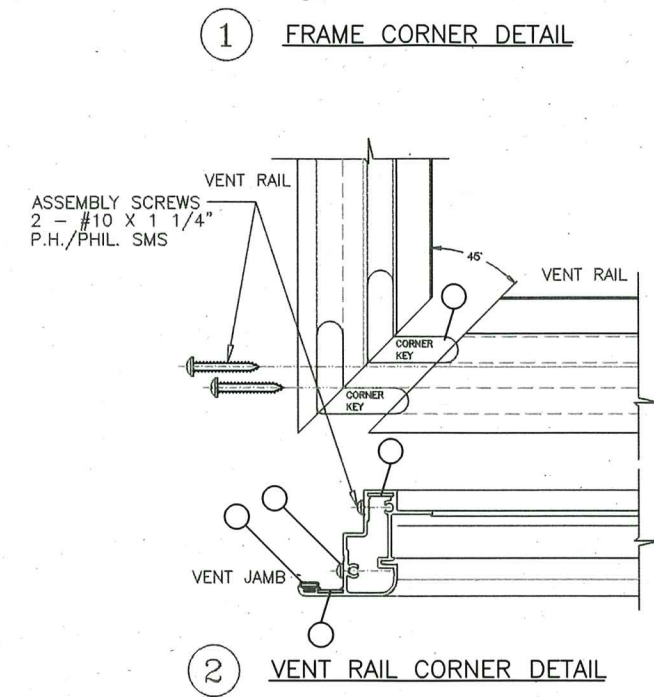
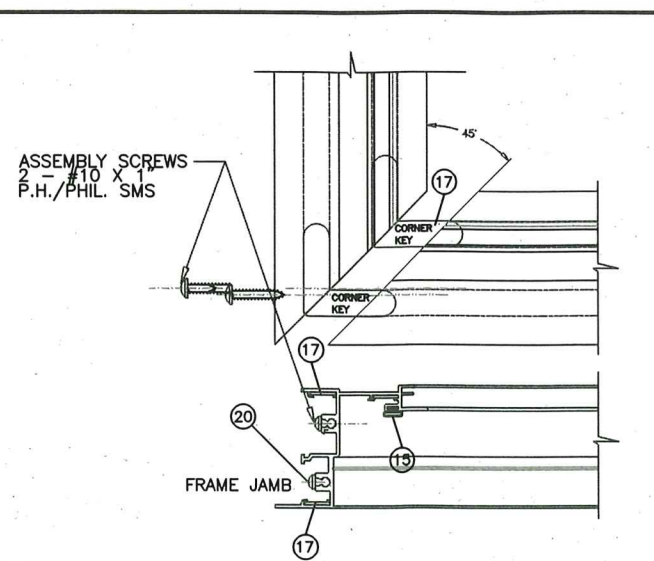
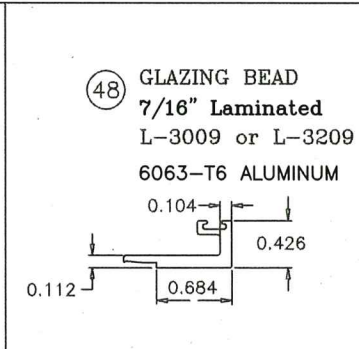
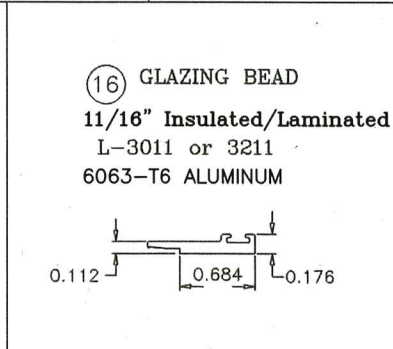
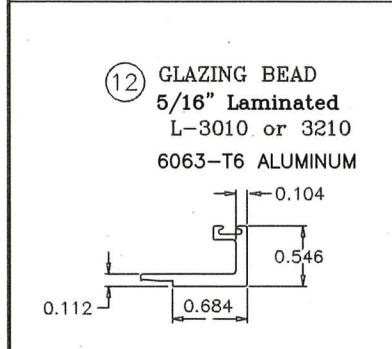
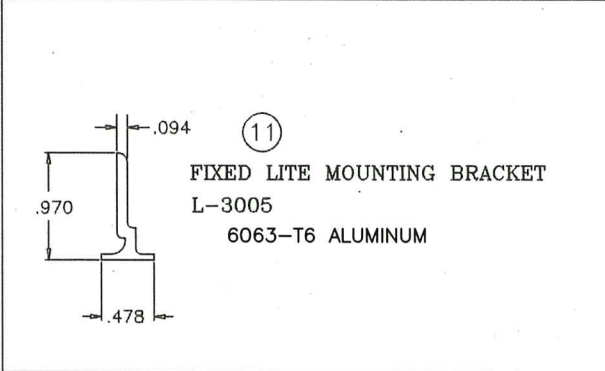
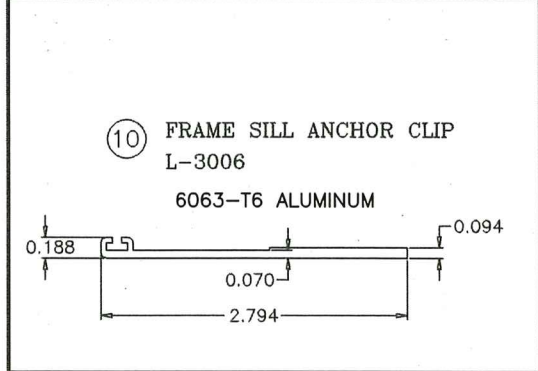
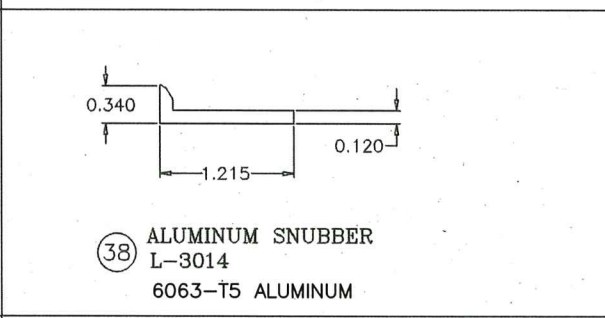
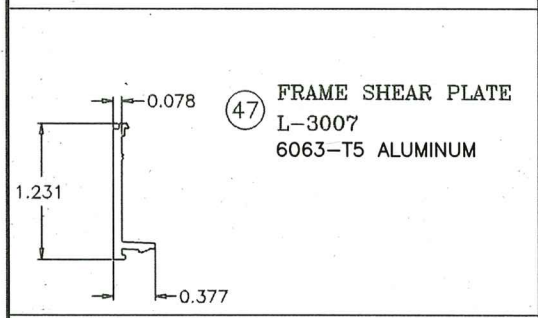
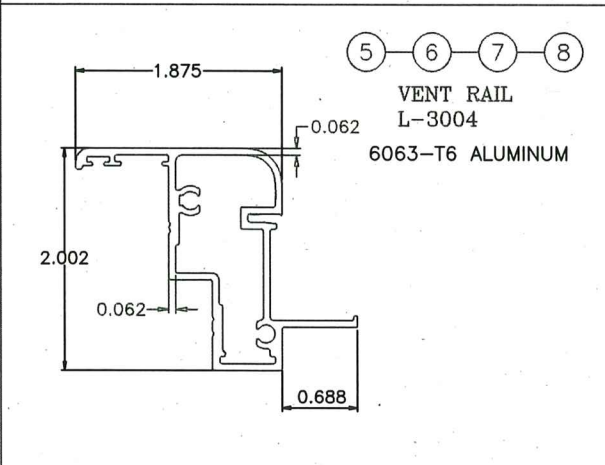
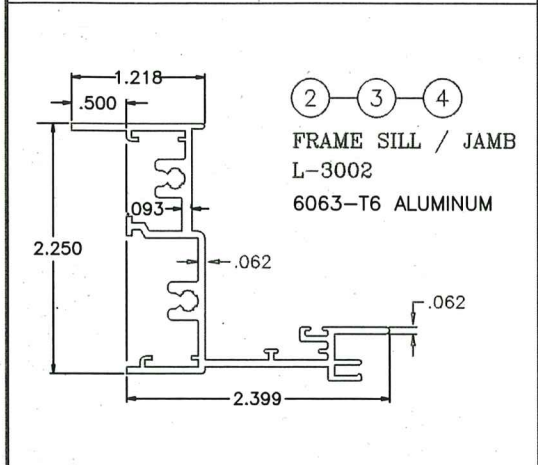
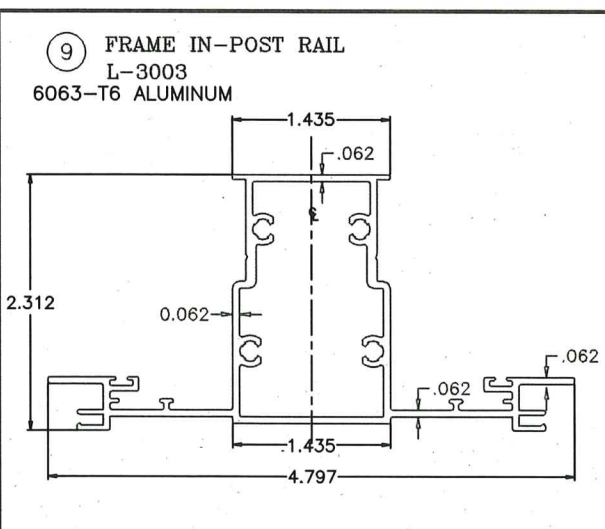
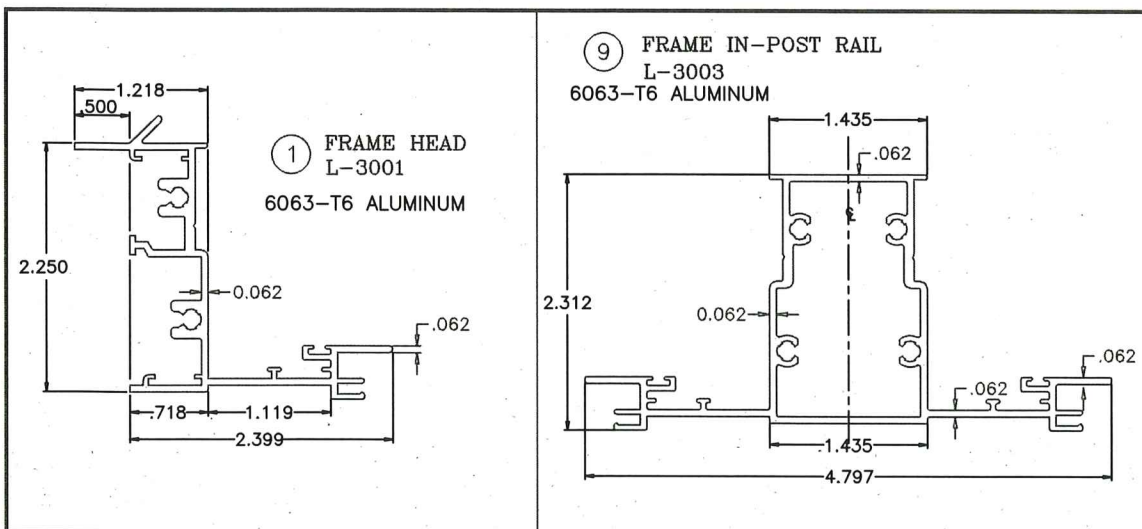
[illegible]

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

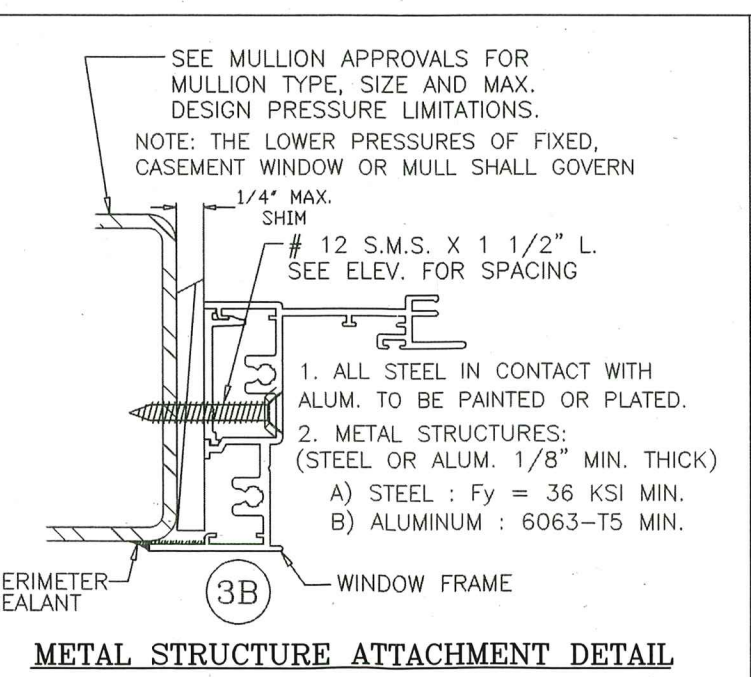
SHEET DESCRIPTION:

DP LOAD CHARTS, GLASS
TYPES AND GLAZING DETAILS
(X)


DRAWN BY: N. Erazo		DATE: 12/18/2023	
REV. BY: N. Erazo		DATE: 09/05/2025	
DWG #: CWS-1251			REV #: A
SCALE: ---		SHEET 5 OF 7	



FRAME & VENT CORNER ASSEMBLY DETAILS



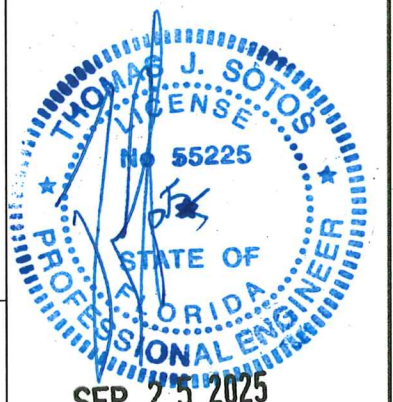
PRODUCT REVISED
as complying with the Florida
Building Code
Acceptance No. 25-0929-09
Expiration Date 3/4/2029
By [Signature]
Miami Dade Product Control



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

**7400 ALUMINUM
CASEMENT WINDOW -
IMPACT FLANGE FRAME**

REVISIONS		DATE:
NO.	DESCRIPTION:	BY:
A	Revises NDA # 24-0116.04	N.E.
		09/05/25



DATE: SEP 25 2025

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

SHEET DESCRIPTION:
EXTRUSION DETAILS, VENT AND
FRAME CORNER ASSEMBLY
DETAILS, ATTACHMENT DETAIL

DRAWN BY: N. Erazo	DATE: 12/18/2023
REV. BY: N. Erazo	DATE: 09/05/2025
DWG #: CWS-1251	REV #: A
SCALE: -	SHEET 7 OF 7