

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

# NOTICE OF ACCEPTANCE (NOA)

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

**MIAMI-DADE** COUNTY

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 "7200 (Flange Frame)" Aluminum Horizontal Sliding Window – L.M.I.

**APPROVAL DOCUMENT:** Drawing No. **CWS-1220**, titled "7200 Aluminum Horizontal Slider Flange Frame Impact Window", sheets 1 through 10 of 10, 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 the 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 #23-1010.04 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 Helmy A. Makar, P.E., M.S.

MIAMI-DADE COUNTY
APPROVED

Helgh. Mory

NOA No. 24-0116.07 Expiration Date: 04/11/2027 Approval Date: 02/01/2024

Page 1

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

#### A. DRAWINGS

- 1. Manufacturer's die drawings and sections. (Submitted under NOA No. 02-0227.05)
- 2. Drawing No. L8700-0901, titled "HS-8700 Horizontal Rolling Flange Impact Window", sheets 1 through 10 of 10, dated 05/30/09, with revision **H** dated 06/24/22, prepared by manufacturer, signed and sealed by Thomas J. Sotos, P.E. (Submitted under NOA No. 22-0719.02)

#### 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 8700 impact horizontal rollers, XO configuration, prepared by QAI Laboratories, Test Report No. QAI-13097, dated 06/20/22, signed and sealed by Idalmis Ortega, P.E. (Submitted under NOA No. 22-0719.02)
- 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) 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 3 specimens of an aluminum horizontal sliding window, XO configuration, prepared by National Certified Testing Laboratories, Test Report No. **NCTL-210-4148-01**, dated 06/04/21, signed and sealed by Douglas J. McDougall, P.E.

#### (Submitted under NOA No. 22-0118.01)

- 3. 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 a series HS-8700 flange frame aluminum horizontal sliding window, XO and XOX configurations, prepared by Fenestration Testing Laboratory, Inc., Test Report No. **FTL-10715**, dated 05/08/19, signed and sealed by Idalmis Ortega, P.E.

(Submitted under NOA No. 19-0708.09)

Helmy A. Makar, P.E., M.S. Product Control Section Supervisor NOA No. 24-0116.07

- 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) Forced Entry Test, per FBC 2411.3.2.1, and TAS 202-94

along with marked-up drawings and installation diagram of an aluminum horizontal sliding window, XOX (1/4-1/2-1/4 and 1/3-1/3-1/3) configuration, prepared by Hurricane Engineering & Testing, Inc., Test Reports No. **HETI-10-3049** and **HETI-10-3051**, dated 03/23/11, signed and sealed by Candido F. Font, P.E. (Submitted under NOA No. 11-0705.10)

- Test reports on: 1) Uniform Static Air Pressure Test, Loading per FBC TAS 202-94 along with marked-up drawings and installation diagram of 8 specimens of an aluminum horizontal sliding window, XOX (1/4-1/2-1/4 and 1/3-1/3-1/3) configuration, prepared by Hurricane Engineering & Testing, Inc., Test Reports No. **HETI-10-3047**, **HETI-10-3053**, **HETI-10-3057**, **HETI-10-3130**, **HETI-10-3223** and **HET-10-3225**, all dated 03/23/11, and signed and sealed by Candido F. Font, P.E. (Submitted under NOA No. 11-0705.10)
- 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 horizontal sliding window, XOX (1/4-1/2-1/4 and 1/3-1/3-1/3) configuration, prepared by Hurricane Engineering & Testing, Inc., Test Reports No. HETI-10-3048, HETI-10-3049I, dated 11/09/10, HETI-10-3050, HETI-10-3052B, HETI-10-3056, HETI-10-3131, HETI-10-3224 and HETI-10-3226, all dated 03/23/11, and signed and sealed by Candido F. Font, P.E.

(Submitted under NOA No. 11-0705.10)

7. 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 horizontal sliding window, XOX configuration, prepared by Hurricane Engineering & Testing, Inc., Test Report No. **HETI-10-3251**, dated 04/25/11, signed and sealed by Rafael E. Droz-Seda, P.E.

(Submitted under NOA No. 11-0705.10)

Helmy A. Makar, P.E., M.S. Product Control Section Supervisor NOA No. 24-0116.07

- 1. EVIDENCE SUBMITTED UNDER PREVIOUS NOA'S (CONTINUED)
- B. TESTS (CONTINUED)
  - **8.** 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 8 specimens of an aluminum horizontal sliding window, XO configuration, prepared by Hurricane Engineering & Testing, Inc., Test Reports No. **HETI-08-2033**, **HETI-08-2034**, **HETI-08-2036**, **HETI-08-2036**, **HETI-08-2037**, **HETI-08-2038**, **HETI-08-2116A** and **HETI-08-2116B**, all dated 02/28/08, and signed and sealed by Candido F. Font, P.E.

#### (Submitted under NOA No. 09-0706.05)

- 9. 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 8 specimens of an aluminum horizontal sliding window, XO configuration, prepared by Fenestration Testing Laboratory, Inc., Test Reports No. **FTL-3097**, **FTL-3098** and **FTL-3364**, dated 12/06/01, 12/11/01 and 01/28/02, respectively, all signed and sealed by Luis Antonio Figueredo, P.E.

(Submitted under NOA No. 02-0227.05)

#### C. CALCULATIONS

- 1. Anchor verification calculations and structural analysis, complying with FBC 7<sup>th</sup> Edition (2020), dated 05/28/09, revised on 07/10, 01/25/12 and 01/12/22 and updated on 07/13/22, prepared by manufacturer, signed and sealed by Thomas J. Sotos, P.E. (Submitted under NOA No. 22-0719.02)
- 2. Glazing complies with ASTM E1300-09

#### D. OUALITY ASSURANCE

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

Helmy A. Makar, P.E., M.S.

Product Control Section Supervisor

NOA No. 24-0116.07

- 1. EVIDENCE SUBMITTED UNDER PREVIOUS NOA'S (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.
  - 3. 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.

#### 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. 22-0719.02)
- 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. 22-0719.02)
- 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. 22-0719.02)
- 4. Proposal No. **19-1433** issued by the Product Control Section, dated January 15, 2020, signed by Manuel Perez, P.E. (Submitted under NOA No. 22-0118.01)
- 5. Proposal No. **18-1697** issued by the Product Control Section, dated January 04, 2019, signed by Manuel Perez, P.E. (Submitted under NOA No. 19-0708.09)
- 6. Laboratory compliance letter for Test Reports No. HETI-10-3047, HETI-10-3048, HETI-10-3049, HETI-10-3049I, HETI-10-3050, HETI-10-3051, HETI-10-3052B, HETI-10-3053, HETI-10-3056, HETI-10-3057, HETI-10-3130, HETI-10-3131, HETI-10-3223, HETI-10-3224, HET-10-3225 and HETI-10-3226, all issued by Hurricane Engineering & Testing, Inc., dated 11/09/10, 03/23/11 and 04/25/11, signed and sealed by Candido F. Font, P.E.

(Submitted under NOA No. 11-0705.10)

Afelmy A. Makar, P.E., M.S. Product Control Section Supervisor

NOA No. 24-0116.07 Expiration Date: 04/11/2027 Approval Date: 02/01/2024

#### Custom Window Systems, Inc.

#### NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

- 1. EVIDENCE SUBMITTED UNDER PREVIOUS NOA'S (CONTINUED)
- F. STATEMENTS (CONTINUED)
  - 7. Laboratory compliance letter for Test Report No. **HETI-10-3251**, issued by Hurricane Engineering & Testing, Inc., dated 04/25/11, signed and sealed by Rafael E. Droz-Seda, P.E.

(Submitted under NOA No. 11-0705.10)

- 8. Laboratory compliance letter for Test Reports No. HETI-08-2033, HETI-08-2034, HETI-08-2035, HETI-08-2036, HETI-08-2037, HETI-08-2038, HETI-08-2116A and HETI-08-2116B, all issued by Hurricane Engineering & Testing, Inc., dated 01/15/08 through 02/28/08, and signed and sealed by Candido F. Font, P.E. (Submitted under NOA No. 09-0706.05)
- 9. Laboratory compliance letter for Test Reports No. FTL-3097, FTL-3098 and FTL-3364, all issued by Fenestration Testing Laboratory, Inc., dated 12/06/01, 12/11/01 and 01/28/02, and signed and sealed by Luis Antonio Figueredo, P.E. (Submitted under NOA No. 02-0227.05)

#### G. OTHERS

1. Notice of Acceptance No. **22-0118.01**, issued to Lawson Industries, Inc. for their Series "HS-8700 (Flange Frame)" Aluminum Horizontal Sliding Window – L.M.I., approved on 02/24/22 and expiring on 04/11/27.

#### 2. NEW EVIDENCE SUBMITTED

- A. DRAWINGS
  - 1. Drawing No. **L8700-0901**, titled "HS-8700 Horizontal Rolling Flange Impact Window", sheets 1 through 10 of 10, dated 05/30/09, with revision I dated 09/25/23, 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.

Helmy A. Makar, P.E., M.S. Product Control Section Supervisor NOA No. 24-0116.07

#### Custom Window Systems, Inc.

## NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

- 2. NEW EVIDENCE SUBMITTED (CONTINUED)
- 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.
- 3. 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.

#### 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. **22-0719.02**, issued to Lawson Industries, Inc. for their Series "HS-8700 (Flange Frame)" Aluminum Horizontal Sliding Window – L.M.I., approved on 08/11/22 and expiring on 04/11/27.

Helmy A. Makar, P.E., M.S. Product Control Section Supervisor

> NOA No. 24-0116.07 Expiration Date: 04/11/2027 Approval Date: 02/01/2024

#### Custom Window Systems, Inc.

## NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

#### 3. NEW EVIDENCE SUBMITTED

#### A. DRAWINGS

1. Drawing No. **CWS-1220**, titled "7200 Aluminum Horizontal Slider Flange Frame Impact Window", sheets 1 through 10 of 10, 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

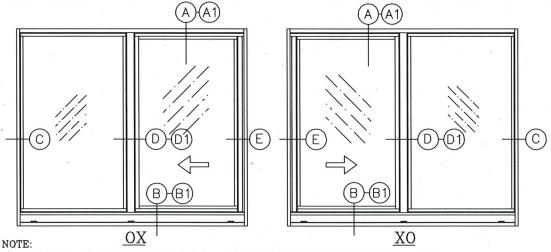
- 1. Statement letter of conformance, complying with **FBC 8<sup>th</sup> Edition (2023)**, dated 12/18, 2023, issued by the manufacturer, signed and sealed by Thomas J. Sotos, P.E.
- 2. Statement letter of no financial interest, dated December 18, 2023, issued by the manufacturer, signed and sealed 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

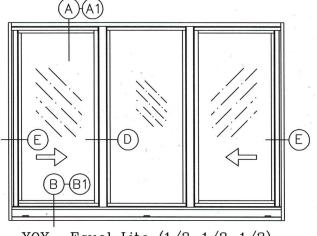
1. Notice of Acceptance No. **23-1010.04**, issued to Lawson Industries, Inc. for their Series "HS-8700 (Flange Frame)" Aluminum Horizontal Sliding Window – L.M.I., approved on 11/02/23 and expiring on 04/11/27.

Helmy A. Makar, P.E., M.S. Product Control Section Supervisor

NOA No. 24-0116.07 Expiration Date: 04/11/2027 Approval Date: 02/01/2024



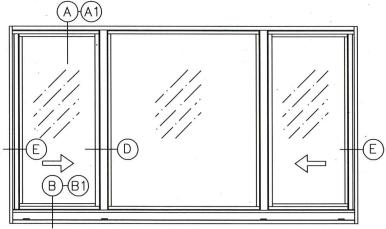
- 1) REFER TO SHEET 2 OF 10 FOR INSTALLATION ANCHOR DETAILS AND NOTES.
- 2) FOR VERTICAL CROSS-SECTION DETAILS "A, A1, B, & B1" REFER TO SHEET #3
- 3) FOR HORIZONTAL CROSS-SECTION DETAILS "C, D, D1, & E" REFER TO SHEET #4
- 4) REFER TO SHEET 6 OF 10 FOR DESIGN LOAD CHARTS AND NOTES.



#### <u>XOX</u> - Equal Lite (1/3-1/3-1/3)

#### NOTES:

- 1) REFER TO SHEET 2 OF 10 FOR INSTALLATION ANCHOR DETAILS AND NOTES.
- 2) FOR VERTICAL CROSS-SECTION DETAILS "A, A1, B, & B1" REFER TO SHEET #3
- 3) FOR HORIZONTAL CROSS-SECTION DETAILS "D, & E" REFER TO SHEET #5
- 4) REFER TO SHEET 8 OF 10 FOR DESIGN LOAD CHARTS AND NOTES.



# XOX - Un-Equal Lite (1/4-1/2-1/4)

- 1) REFER TO SHEET 2 OF 10 FOR INSTALLATION ANCHOR DETAILS AND NOTES.
- 2) FOR VERTICAL CROSS-SECTION DETAILS "A, A1, B, & B1" REFER TO SHEET #3
- 3) FOR HORIZONTAL CROSS-SECTION DETAILS "D, & E" REFER TO SHEET #5
- 4) REFER TO SHEET 7 OF 10 FOR DESIGN LOAD CHARTS AND NOTES.

# HORIZONTAL SLIDER WINDOW - IMPACT FLANGE FRAME APPROVED ELEVATIONS

# 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. (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 FLORIDA BUILDING CODE & TO BE REVIEWED BY BUILDING OFFICIAL.
- 3.) ANCHORS SHOWN ON SHEET 2 OF 10 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 SHEETS 6, 7, or 8.
- 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 SHEETS #6, 7, or 8), AND FOR USE WITH DOUBLE GLAZE LAMINATED INSULATED GLASS TYPES TABULATED HEREIN (SEE SHEETS #6, 7 or 8).
- 6.) WINDOWS WITH GLASS TYPES "A, C, OR G" INSTALLED ABOVE 30FT. IN THE HVHZ, THE I.G. EXTERIOR LITE SHALL BE TEMPERED.
- 7.) SEE SHEET 4 FOR LOCK DETAILS & OPTIONS.
- 8.) SEE SHEET 9 FOR GLASS TYPES.
- 9.) SEE SHEET 6 FOR DESIGN PRESSURES ON "XO or OX" WINDOWS.
- 10.) SEE SHEET 7 FOR DESIGN PRESSURES ON EQUAL-LITE "XOX" WINDOWS.
- 11.) SEE SHEET 8 FOR DESIGN PRESSURES ON UN-EQUAL LITE "XOX" WINDOWS.
- 12.) FOR OPTIONAL FRAME INSTALLATION DETAILS SEE SHEETS 3, 4, or 9.
- 13.) EXT. & INT. FALSE COLONIAL MUNTINS ARE OPTIONAL & AND ARE APPLIED W/ SILICONE
- 14.) WOOD BUCKS IN CONTACT WITH CONCRETE MUST BE PRESSURE TREATED AND ANCHORED (BY OTHERS), PRIOR TO WINDOW INSTALLATION. (SEE SHEET #3, 4 & 5 FOR DETAILS & NOTES) WOOD BUCKS TO BE ANCHORED IN COMPLIANCE WITH THE FBC CHAPTER 24 SECTION 11.3.3.3.
- 15.) APPROVAL APPLIES TO SINGLE UNITS OR SIDE BY SIDE MULLED UNITS.
- 16.) SEE SHEET # 5 FOR MULLION/METAL ATTACHMENT DETAILS, NOTES & OPTIONS.
- 17.) MULLING HORIZONTAL SLIDING 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.



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

# 7200 ALUMINUM HORIZONTAL SLIDER IMPACT FLANGE FRAME

[2]	10.0			BY: DATE:	
		at .		BY:	
	ě		-	NO.: DESCRIPTION:	REVISIONS

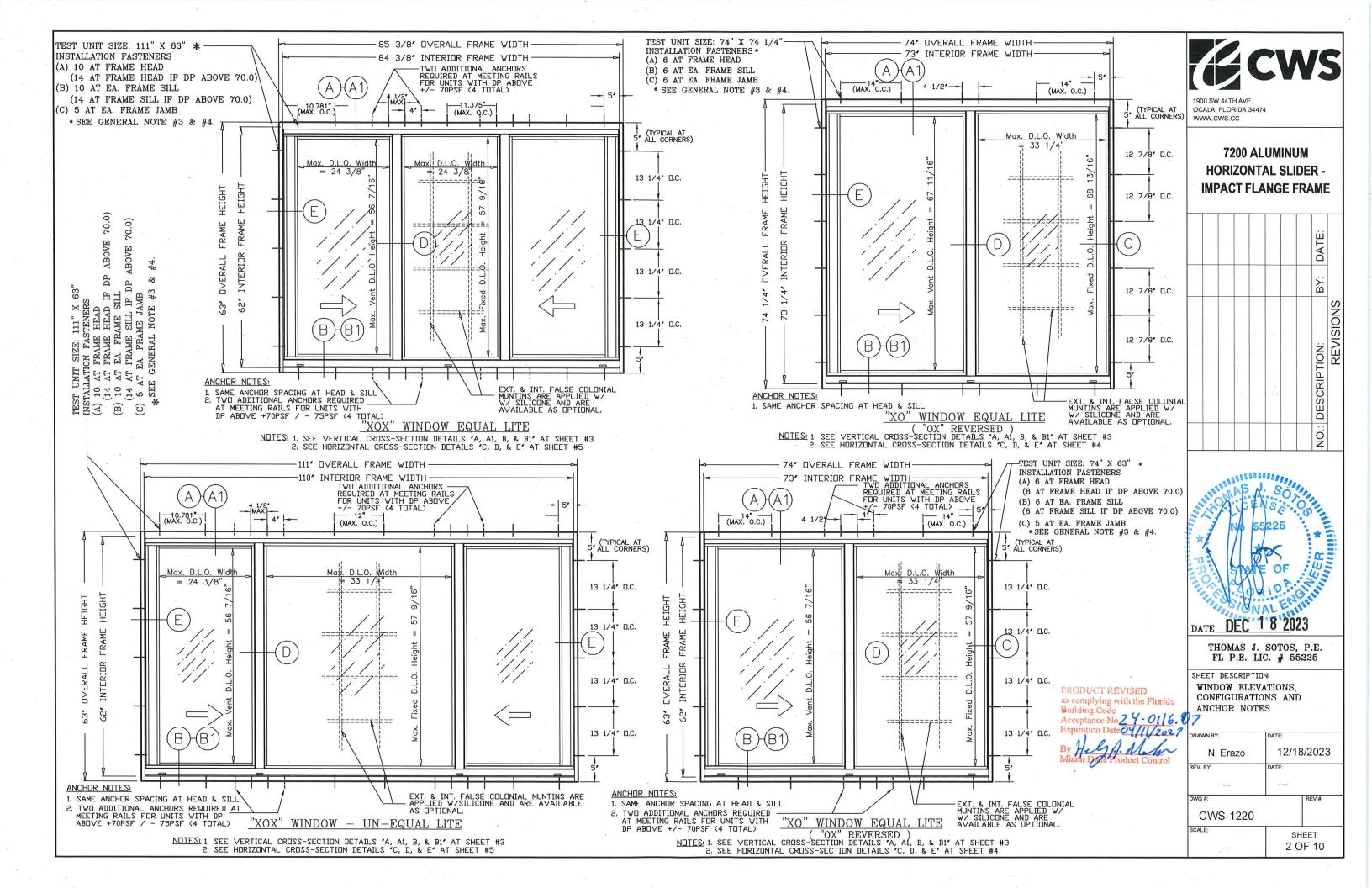


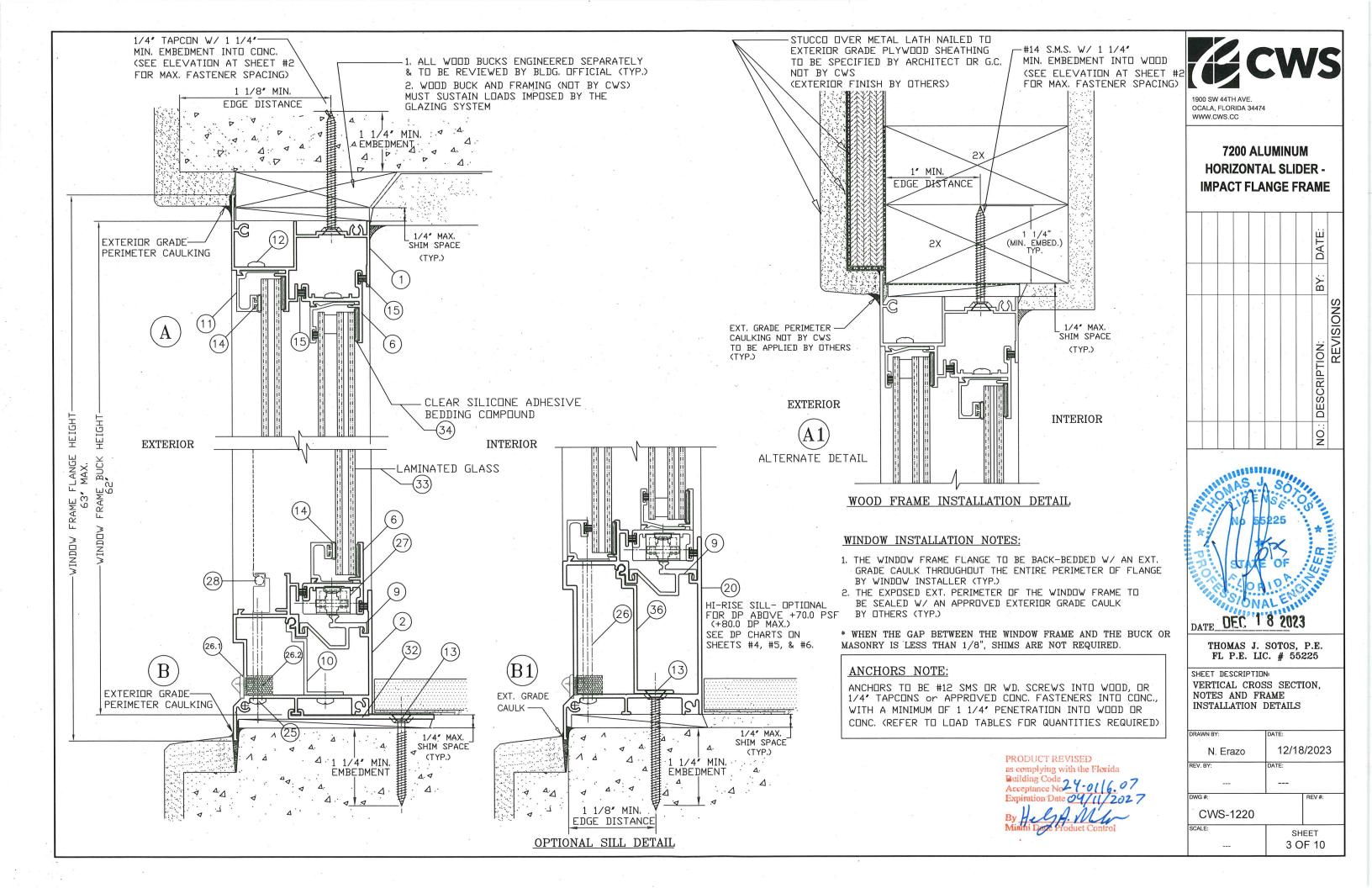
THOMAS J. SOTOS, P.E. FL P.E. LIC. # 55225

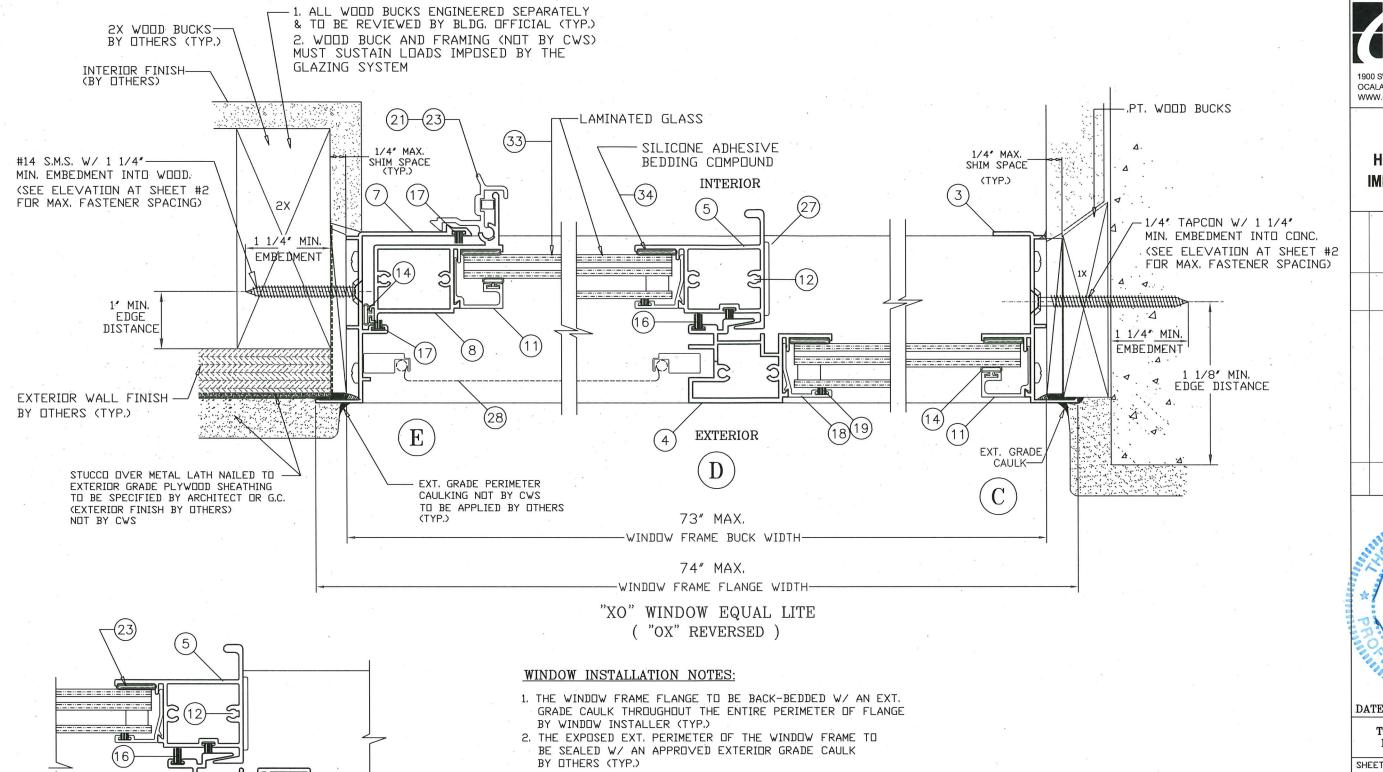
SHEET DESCRIPTION:
APPROVED ELEVATIONS,
CONFIGURATIONS AND
GENERAL NOTES

DRAWN BY:	DATE:					
N. Erazo	12/18/2023					
REV. BY:	DATE:					
DWG #:	1	REV#:				
CWS-1220		i i				
SCALE:	SH	IEET				
	1 10	F 10				

PRODUCT REVISED
as complying with the Florida
Building Code
Acceptance No 24 - 0 116
Expiration Date 04 - 111







\* 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 FOR QUANTITIES REQUIRED)

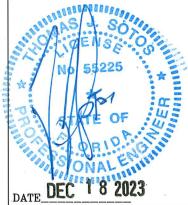
PRODUCT REVISED
as complying with the Florida
Puilding Code
Acceptance No 2 4-0/6.07
Expiration Date 0 4/11/2027
By Hels A. M.



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

# 7200 ALUMINUM HORIZONTAL SLIDER -IMPACT FLANGE FRAME

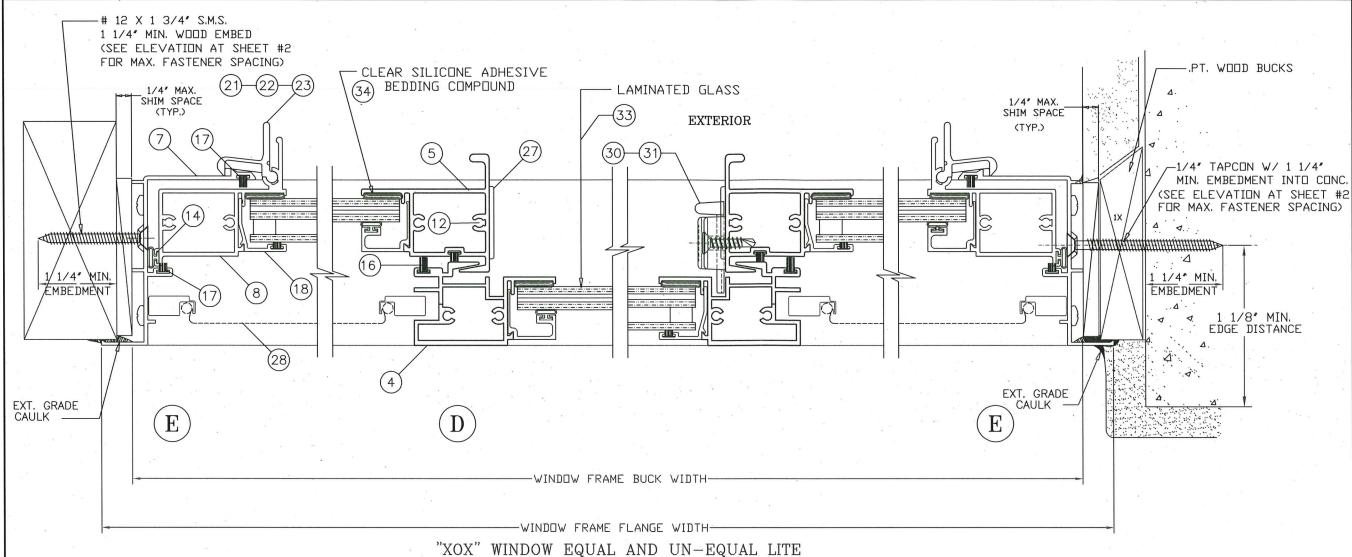
2 2						BY: DATE:	·
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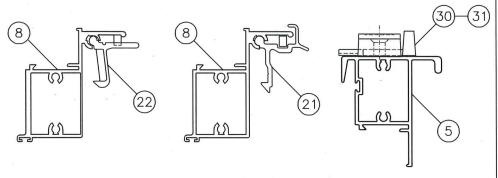


THOMAS J. SOTOS, P.E. FL P.E. LIC. # 55225

SHEET DESCRIPTION:
CROSS SECTION DETAILS,
FIXED INTERLOCK OPTION AND
FRAME INSTALLATION NOTES

DRAWN BY:	DATE:				
N. Erazo	12/18	3/2023			
REV. BY:	DATE:				
DWG #:		REV#:			
CWS-1220	)				
SCALE:	SHEET 4 OF 10				





# LOCK (LATCH AND SWEEP) OPTIONS

- 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.

#### 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:

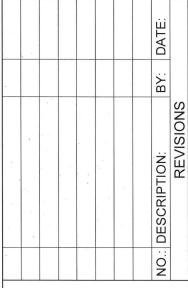
ANCHORS TO BE #12 SMS OR WD. SCREWS INTO WOOD, OR 1/4" TAPCONS or APPROVED CONC. FASTENERS INTO CONC., WITH A MINIMUM OF 1 1/4" PENETRATION INTO WOOD OR CONC. (REFER TO LOAD TABLES FOR QUANTITIES REQUIRED)

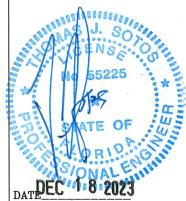
PRODUCT REVISED
as complying with the Florida
Building Code
Acceptance No. 7-016.07
Expiration Date 0 4/11/2-27
By H.J.A. M.



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

# 7200 ALUMINUM HORIZONTAL SLIDER -IMPACT FLANGE FRAME





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

SHEET DESCRIPTION:
CROSS SECTION DETAILS,
LOCK OPTIONS AND
FRAME INSTALLATION NOTES

DRAWN BY:	DATE:	
N. Erazo	12/18	3/2023
REV. BY:	DATE:	
DWG #:		REV #:
CWS-1220		
SCALE:	SH	EET
	5 O	F 10

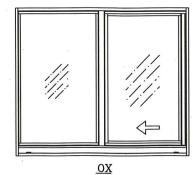
24 24 3 3 65.0 65.0 65.0 65.0 70.0 70.0 70.0 70.0 80.0 80.0 80.0 80	- psf         + psf         - psf           60.0         80.0         92.0           60.0         80.0         92.0           60.0         80.0         92.0
WIDTH         HEIGHT         Anchors         Anchors         + psf         - psf         psf	- psf         + psf         - psf           60.0         80.0         92.0           60.0         80.0         92.0           60.0         80.0         92.0
24 24 3 3 65.0 65.0 65.0 65.0 70.0 70.0 70.0 80.0 80.0 80.0 80.0 60.0	60.0         80.0         92.0           60.0         80.0         92.0           60.0         80.0         92.0
	60.0         80.0         92.0           60.0         80.0         92.0
	60.0 80.0 92.0
	60.0 80.0 92.0 60.0 80.0 92.0
	60.0 80.0 92.0
	60.0 80.0 92.0
48 36 3 6 65.0 65.0 65.0 65.0 70.0 70.0 70.0 80.0 80.0 80.0 80.0 60.0 60.0	60.0 80.0 92.0
	60.0 80.0 92.0
72 36 3 6 65.0 65.0 65.0 65.0 70.0 70.0 70.0 80.0 80.0 80.0 80.0 60.0	60.0 80.0 92.0
24     48     4     4     65.0     65.0     65.0     65.0     70.0     70.0     70.0     70.0     80.0     80.0     80.0     80.0     80.0	60.0 80.0 92.0
	60.0 80.0 92.0
48 48 4 6 65.0 65.0 65.0 65.0 70.0 70.0 70.0 80.0 80.0 80.0 80.0 60.0	60.0 80.0 92.0
	60.0 80.0 92.0
72 48 4 6 65.0 65.0 65.0 65.0 70.0 70.0 70.0 70.0 80.0 80.0 80.0 80	60.0 80.0 92.0
24 60 5 4 65.0 65.0 65.0 65.0 70.0 70.0 70.0 70.0 80.0 80.0 80.0 80	60.0 80.0 92.0
36 60 5 4 65.0 65.0 65.0 65.0 70.0 70.0 70.0 80.0 80.0 80.0 80.0 60.0	60.0 80.0 92.0
48 60 5 6 65.0 65.0 65.0 65.0 70.0 70.0 70.0 70.0 80.0 80.0 80.0 80	60.0 80.0 92.0
60 60 5 6 65.0 65.0 65.0 65.0 70.0 70.0 70.0 70.0 80.0 80.0 80.0 80	60.0 80.0 92.0
72 60 5 6 65.0 65.0 65.0 65.0 70.0 70.0 70.0 70.0 60.0	60.0 80.0 92.0
24 72 5 4 60.0 60.0 60.0 60.0 60.0 60.0 60.0	60.0 80.0 92.0
36 72 5 4 60.0 60.0 60.0 60.0 60.0 60.0 60.0	60.0 80.0 92.0
48 72 5 6 60.0 60.0 60.0 60.0 60.0 60.0 60.0	60.0 80.0 92.0
60 72 5 6 60.0 60.0 60.0 60.0 60.0 60.0 - 60.0	60.0 80.0 92.0
72 72 5 6 60.0 60.0 60.0 60.0 60.0 60.0 - 60.0	60.0 80.0 92.0
26.5         26         3         4         65.0         65.0         65.0         65.0         70.0         70.0         70.0         80.0         80.0         80.0         80.0         80.0         60.0	60.0 80.0 92.0
37         26         3         4         65.0         65.0         65.0         65.0         70.0         70.0         70.0         80.0         80.0         80.0         80.0         80.0	60.0 80.0 92.0
53.125         26         3         6         65.0         65.0         65.0         65.0         70.0         70.0         70.0         80.0         80.0         80.0         80.0         80.0         60.0	60.0 80.0 92.0
74         26         3         6         65.0         65.0         65.0         65.0         70.0         70.0         70.0         80.0         80.0         80.0         80.0         80.0         80.0	60.0 80.0 92.0
26.5         38.375         4         4         65.0         65.0         65.0         65.0         70.0         70.0         70.0         80.0         80.0         80.0         80.0         80.0	60.0 80.0 92.0
37     38.375     4     4     65.0     65.0     65.0     65.0     70.0     70.0     70.0     70.0     80.0     80.0     80.0     80.0     80.0	60.0 80.0 92.0
53.125 38.375 4 6 65.0 65.0 65.0 65.0 70.0 70.0 70.0 80.0 80.0 80.0 80.0 60.0	60.0 80.0 92.0
74         38.375         4         8         65.0         65.0         65.0         65.0         70.0         70.0         70.0         80.0         80.0         80.0         80.0         80.0         60.0	60.0 80.0 92.0
26.5 50.625 5 4 65.0 65.0 65.0 65.0 70.0 70.0 70.0 80.0 80.0 80.0 80.0 60.0 60.0 60.0 6	60.0 80.0 92.0
37 50.625 5 4 65.0 65.0 65.0 65.0 70.0 70.0 70.0 80.0 80.0 80.0 80.0 60.0 60.0 60.0 6	60.0 80.0 92.0
53.125         50.625         5         6         65.0         65.0         65.0         65.0         70.0         70.0         70.0         8	60.0 80.0 92.0 60.0 80.0 92.0
	60.0 80.0 92.0
37   58   5   4   65.0   65.0   65.0   65.0   65.0   70.0   70.0   70.0   70.0   80.0   80.0   80.0   80.0   80.0   60.0   53.125   58   5   6   65.0   65.0   65.0   65.0   65.0   70.0   70.0   70.0   70.0   80.0   80.0   80.0   80.0   80.0   80.0   60.0	60.0 80.0 92.0 60.0 80.0 92.0
74         58         5         8         65.0         65.0         65.0         65.0         70.0         70.0         70.0         80.0	60.0 80.0 92.0 60.0 80.0 92.0
26.5 63 6 4 65.0 65.0 65.0 65.0 70.0 70.0 70.0 80.0 80.0 80.0 80.0 60.0 60.0 60.0 6	60.0 80.0 92.0
57 63 6 4 63.0 63.0 63.0 63.0 70.0 70.0 70.0 80.0 80.0 80.0 80.0 60.0 60.0 53.125 63 6 6 65.0 65.0 65.0 65.0 70.0 70.0 70.0 70.0 80.0 80.0 80.0 80	60.0 80.0 92.0
74 63 6 6 65.0 65.0 65.0 65.0 65.0 70.0 70.0 70.0 70.0 80.0 80.0 80.0 80	60.0 80.0 92.0
26.5 74 1/4 6 4 60.0 60.0 60.0 60.0 60.0 60.0	60.0 80.0 92.0
37 74 1/4 6 4 60.0 60.0 60.0 60.0 60.0 60.0 60.0	60.0 80.0 92.0
53.125 74 1/4 6 6 6 60.0 60.0 60.0 60.0 60.0 60.0	60.0 80.0 92.0
74 74 1/4 6 6 6 60.0 60.0 60.0 60.0 60.0 60.0	60.0 80.0 92.0

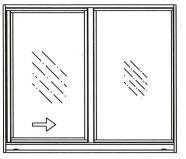


- Notes (\*): 1.) see sheet 9 for glazing types, details & silicone options.
  - 2.) STANDARD SILL USED ON WINDOWS WITH +70.0 DP AND BELOW (WINDOWS WITH GLASS TYPES "A, B, C, D & H")
  - 3.) HI RISE SILL ARE FOR WINDOWS ABOVE +70.0 DP (WINDOWS WITH GLASS TYPES "E, & F") AND +80.0 DP MAX. SEE HI RISE SILL DETAIL "B1" AT SHEET 3 OF 10.
  - 4.) ADDITIONAL ANCHORS REQUIRED AT FRAME HEAD & SILL ON WINDOWS WITH DP ABOVE 70.0. (SEE ELEVATION AT SHEET 2 OF 10)

  - 5.) WINDOWS WITH GLASS TYPES "A, C, OR G" INSTALLED ABOVE 30FT. IN THE HVHZ, THE I.G. EXTERIOR LITE SHALL BE TEMPERED.

    6.) H.D. MEETING RAIL TO BE USED ON WINDOWS WITH +80.0 DP AND -92.0 DP AND WITH GLASS TYPE "I" (SEE DETAIL "D1" AT SHEET 4 OF 10)



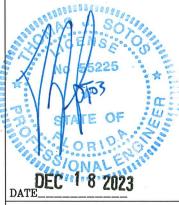


PRODUCT REVISED as complying with the Florida

OCALA, FLORIDA 34474 WWW.CWS.CC

# 7200 ALUMINUM **HORIZONTAL SLIDER -IMPACT FLANGE FRAME**

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						BY:	
· · · · · · · · · · · · · · · · · · ·						NO.: DESCRIPTION:	REVISIONS



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

SHEET DESCRIPTION DESIGN LOAD CHART WITH GLASS OPTIONS (XO or OX) AND NOTES

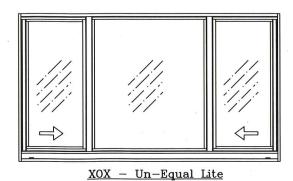
84.5		
DRAWN BY:	DATE:	
N. Erazo	12/18	3/2023
REV. BY:	DATE:	
DWG #:	•	REV #:
CWS-1220		
SCALE:		EET
	60	F 10

<u>XO</u>

					DESIGN LOAD CAPACITY (PSF) - XOX WINDOWS with Un-Equal Lite (1/4-1/2-1/4)										
										sures (psf)					
FRAM		# Jamb	# H & S	Glass Type		Glass Typ	e "C" (* 2)	Glass Typ	e "D" (* 2)	Glass Typ		Glass Typ	e "F" (* 3)	Glass Type	
WIDTH	HEIGHT	Anchors	Anchors	+ psf	- psf	+ psf	- psf	+ psf	- psf	+ psf	- psf	+ psf	- psf	+ psf	- psf
60	24	3	7	80.0	80.0	80.0	80.0	65.0	75.0	65.0	75.0	52.0	52.0	65.0	75.0
72	24	3	7	80.0	0.08	80.0	80.0	65.0	75.0	65.0	75.0	52.0	52.0	65.0	75.0
84	24	3	8	80.0	80.0	80.0	0.08	65.0	75.0	65.0	75.0	52.0	52.0	65.0	75.0
96	24	3	10	80.0	80.0	80.0	80.0	65.0	75.0	65.0	75.0	52.0	52.0	65.0	75.0
108	24	3	11	80.0	80.0	80.0	80.0	65.0	75.0	65.0	75.0	52.0	52.0	65.0	75.0
60	36	3	7	80.0	0.08	80.0	80.0	65.0	75.0	65.0	75.0	52.0	52.0	65.0	75.0
72	36	3	7	80.0	80.0	80.0	80.0	65.0	75.0	65.0	75.0	52.0	52.0	65.0	75.0
84	36	3	8	70.0	75.0	70.0	75.0	65.0	75.0	65.0	75.0	52.0	52.0	65.0	75.0
96	36	3	10	70.0	75.0	70.0	75.0	65.0	75.0	65.0	75.0	52.0	52.0	65.0	75.0
108	36	3	11	- 1		52.0	52.0	65.0	75.0	65.0	75.0	52.0	52.0	65.0	75.0
60	48	4	7	70.0	75.0	70.0	75.0	65.0	75.0	65.0	75.0	52.0	52.0	65.0	75.0
72	48	4	7	70.0	75.0	70.0	75.0	65.0	75.0	65.0	75.0	52.0	52.0	65.0	75.0
84	48	4	8	-	_	52.0	52.0	65.0	75.0	65.0	75.0	52.0	52.0	65.0	75.0
96	48	4	10	-	-	52.0	52.0	65.0	75.0	65.0	75.0	52.0	52.0	65.0	75.0
108	48	4	11		-	52.0	52.0	65.0	75.0	65.0	75.0	52.0	52.0	65.0	75.0
60	60	5	7	-		52.0	52.0	65.0	75.0	65.0	75.0	52.0	52.0	65.0	75.0
72	60 (	, 5	7		-	52.0	52.0	65.0	75.0	65.0	75.0	52.0	52.0	65.0	75.0
84	60	5	8	-	-	52.0	52.0	65.0	75.0	65.0	75.0	52.0	52.0	65.0	75.0
96	60	5	10	· -		52.0	52.0	65.0	75.0	65.0	75.0	52.0	52.0	65.0	75.0
108	60	5	11	-	-	52.0	52.0	65.0	75.0	65.0	75.0	52.0	52.0	65.0	75.0
74	26	7 3	7	80.0	80.0	80.0	80.0	65.0	75.0	65.0	75.0	52.0	52.0	65.0	75.0
74	38.375	3	7	80.0	80.0	80.0	80.0	65.0	75.0	65.0	75.0	52.0	52.0	65.0	75.0
74	50.625	4	7	70.0	75.0	70.0	75.0	65.0	75.0	65.0	75.0	52.0	52.0	65.0	75.0
74	58	5	7	-	-	52.0	52.0	65.0	75.0	65.0	75.0	52.0	52.0	65.0	75.0
74	63	5	7	-	-	52.0	52.0	65.0	75.0	65.0	75.0	52.0	52.0	65.0	75.0
79.5	26	3	9		-	52.0	52.0	65.0	75.0	65.0	75.0	52.0	52.0	65.0	75.0
79.5	38.375	4	9	-	-	. 52.0	52.0	65.0	75.0	65.0	75.0	52.0	52.0	65.0	75.0
79.5	50.625	4	9	· .=	-	52.0	52.0	65.0	75.0	65.0	75.0	52.0	52.0	65.0	75.0
79.5	58	5	9	-	-	52.0	52.0	65.0	75.0	65.0	75.0	52.0	52.0	65.0	75.0
79.5	63	5	9	-	-	52.0	52.0	65.0	75.0	65.0	75.0	52.0	52.0	65.0	75.0
106.25	26	3	11	-	-	52.0	52.0	65.0	75.0	65.0	75.0	52.0	52.0	65.0	75.0
106.25	38.375	4	11	-	-	52.0	52.0	65.0	75.0	65.0	75.0	52.0	52.0	65.0	75.0
106.25	50.625	4	11	-	-	52.0	52.0	65.0	75.0	65.0	75.0	52.0	52.0	65.0	75.0
106.25	58	5	11		, <del>-</del>	52.0	52.0	65.0	75.0	65.0	75.0	52.0	52.0	65.0	75.0
106.25	63	5	11	-	-	52.0	52.0	65.0	75.0	65.0	75.0	52.0	52.0	65.0	75.0
111	26	3	11	-	, -	52.0	52.0	65.0	75.0	65.0	75.0	52.0	52.0	65.0	75.0
111	38.375	4	11	-	-	52.0	52.0	65.0	75.0	65.0	75.0	52.0	52.0	65.0	75.0
111	50.625	4	11	-	-	52.0	52.0	65.0	75.0	65.0	75.0	52.0	52.0	65.0	75.0
111	58	5	11	-	-	52.0	52.0	65.0	75.0	65.0	75.0	52.0	52.0	65.0	75.0
111	63	5	11	-	-	52.0	52.0	65.0	75.0	65.0	75.0	52.0	52.0	65.0	75.0



- Notes (\*): 1.) see sheet 9 for glazing types, details & silicone options.
  - 2.) STANDARD SILL USED ON WINDOWS WITH +70.0 DP AND BELOW (WINDOWS WITH GLASS TYPES "A, B, C, & D")
  - 3.) HI RISE SILL ARE FOR WINDOWS ABOVE +70.0 DP (WINDOWS WITH GLASS TYPES "E, & F") AND +80.0 DP MAX. SEE HI RISE SILL DETAIL "B1" AT SHEET 3 OF 10.
  - 4.) ADDITIONAL ANCHORS REQUIRED AT FRAME HEAD & SILL ON WINDOWS WITH DP ABOVE 70.0. (SEE ELEVATION AT SHEET 2 OF 10)
  - 5.) WINDOWS WITH GLASS TYPES "A, C, OR G" INSTALLED ABOVE 30FT. IN THE HVHZ, THE I.G. EXTERIOR LITE SHALL BE TEMPERED.



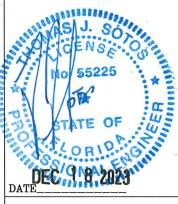
PRODUCT REVISED



OCALA, FLORIDA 34474 WWW.CWS.CC

# **7200 ALUMINUM HORIZONTAL SLIDER -IMPACT FLANGE FRAME**

				,	DATE:	¥
					BY:	
			2		NO.: DESCRIPTION:	REVISIONS



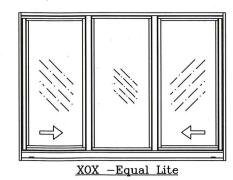
THOMAS J. SOTOS, P.E. FL P.E. LIC. # 55225

SHEET DESCRIPTION DESIGN LOAD CHART WITH GLASS OPTIONS (XOX EQUAL LITE) AND NOTES

7							
DRAWN BY:	DATE:						
N. Erazo	12/18	3/2023					
REV. BY:	DATE:						
DWG #:		REV#:					
CWS-1220							
SCALE:	SHEET 7 OF 10						
0.000	' ' '	5					

				×						sures (psf)	7.0	1000		-	
FRAMI	E SIZE	# Jamb	# H & S	Glass Type	e "B" (* 2)	Glass Type	e "C" (* 2)	Glass Type	e "D" (* 2)	Glass Type	e "E" (* 3)	Glass Typ	e "F" (* 3)	Glass Type	e "G" (* 2)
WIDTH	HEIGHT	Anchors	Anchors	+ psf	- psf	+ psf	- psf	+ psf	- psf	+ psf	- psf	+ psf	- psf	+ psf	- psf
60	24	3	. 7	80.0	80.0	80.0	80.0	65.0	75.0	65.0	75.0	52.0	52.0	65.0	75.0
72	24	3	9	80.0	80.0	80.0	80.0	65.0	75.0	65.0	75.0	52.0	52.0	65.0	75.0
84	24	3	9	80.0	80.0	80.0	80.0	65.0	75.0	65.0	75.0	52.0	52.0	65.0	75,0
60	36	3	7	70.0	75.0	70.0	75.0	65.0	75.0	65.0	75.0	52.0	52.0	65.0	75.0
72	36	3	9	70.0	75.0	70.0	75.0	65.0	75.0	65.0	75.0	52.0	52.0	65.0	75.0
84	36	3	9	-	•	52.0	52.0	65.0	75.0	65.0	75.0	52.0	52.0	65.0	75.0
60	48	4	7	. ·		52.0	52.0	65.0	75.0	65.0	75.0	52.0	52.0	65.0	75.0
72	48	4	9		-	52.0	52.0	65.0	75.0	65.0	75.0	52.0	52.0	65.0	75.0
84	48	4	9		-	52.0	52.0	65.0	75.0	65.0	75.0	52.0	52.0	65.0	75.0
60	60	5	7		•	52.0	52.0	65.0	75.0	65.0	75.0	52.0	52.0	65.0	75.0
72	60	5	9	_	, -	52.0	52.0	65.0	75.0	65.0	75.0	52.0	52.0	65.0	75.0
84	60	5	9		-	52.0	52.0	65.0	75.0	65.0	75.0	52.0	52.0	65.0	75.0
53.125	26	3	6	80.0	80.0	80.0	80.0	65.0	75.0	65.0	75.0	52.0	52.0	65.0	75.0
53.125	38.375	4	6	80.0	80.0	80.0	80.0	65.0	75.0	65.0	75.0	52.0	52.0	65.0	75.0
53.125	50.625	4	6	70.0	75.0	70.0	75.0	65.0	75.0	65.0	75.0	52.0	52.0	65.0	75.0
53.125	58	5	6		-	52.0	52.0	65.0	75.0	65.0	75.0	52.0	52.0	65.0	75.0
53.125	63	5	6	-		52.0	52.0	65.0	75.0	65.0	75.0	52.0	52.0	65.0	75.0
74	26	3	9	80.0	80.0	80.0	80.0	65.0	75.0	65.0	75.0	52.0	52.0	65.0	75.0
74	38.375	4	9			52.0	52.0	65.0	75.0	65.0	75.0	52.0	52.0	65.0	75.0
74	50.625	4	9			52.0	52.0	65.0	75.0	65.0	75.0	52.0	52.0	65.0	75.0
74	58	5	9	-	-	52.0	52.0	65.0	75.0	65.0	75.0	52.0	52.0	65.0	75.0
74	63	5	9	-	-	52.0	52.0	65.0	75.0	65.0	75.0	52.0	52.0	65.0	75.0
79.5	26	3	9	80.0	80.0	80.0	80.0	65.0	75.0	65.0	75.0	52.0	52.0	65.0	75.0
79.5	38.375	4	9	70.0	75.0	52.0	52.0	65.0	75.0	65.0	75.0	52.0	52.0	65.0	75.0
79.5	50.625	4	9	-	-	52.0	52.0	65.0	75.0	65.0	75.0	52.0	52.0	65.0	75.0
79.5	58	5	9	-	-	52.0	52.0	65.0	75.0	65.0	75.0	52.0	52.0	65.0	75.0
79.5	63	5	9	-		52.0	52.0	65.0	75.0	65.0	75.0	52.0	52.0	65.0	75.0
84	26	3	9	70.0	75.0	70.0	75.0	65.0	75.0	65.0	75.0	52.0	52.0	65.0	75.0
84	38.375	4	9	70.0	75.0	52.0	52.0	65.0	75.0	65.0	75.0	52.0	52.0	65.0	75.0
84	50.625	4	9		-	52.0	52.0	65.0	75.0	65.0	75.0	52.0	52.0	65.0	75.0
84	58	5	9	-	-	52.0	52.0	65.0	75.0	65.0	75.0	52.0	52.0	65.0	75.0
84	63	5	9	-	-	52.0	52.0	65.0	75.0	65.0	75.0	52.0	52.0	65.0	75.0

- Notes (\*): 1.) see sheet 9 for glazing types, details & silicone options.
  - 2.) STANDARD SILL USED ON WINDOWS WITH +70.0 DP AND BELOW (WINDOWS WITH GLASS TYPES "A, B, C, & D")
  - 3.) HI RISE SILL ARE FOR WINDOWS ABOVE +70.0 DP (WINDOWS WITH GLASS TYPES "E, & F") AND +80.0 DP MAX. SEE HI RISE SILL DETAIL "B1" AT SHEET 3 OF 10.
  - 4.) ADDITIONAL ANCHORS REQUIRED AT FRAME HEAD & SILL ON WINDOWS WITH DP ABOVE 70.0. (SEE ELEVATION AT SHEET 2 OF 10)
  - 5.) WINDOWS WITH GLASS TYPES "A, C, OR G" INSTALLED ABOVE 30FT. IN THE HVHZ, THE I.G. EXTERIOR LITE SHALL BE TEMPERED.



DESIGN LOAD CAPACITY (PSF) - XOX WINDOWS with Equal Lite (1/3-1/3-1/3)

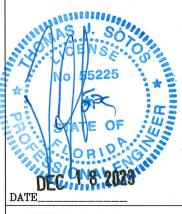
PRODUCT REVISED



OCALA, FLORIDA 34474 WWW.CWS.CC

# **7200 ALUMINUM HORIZONTAL SLIDER -IMPACT FLANGE FRAME**

	×			* * *		DATE:	
		9	a		¥.	BY:	
			· .			NO.: DESCRIPTION:	REVISIONS



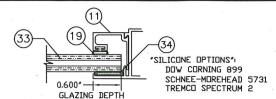
THOMAS J. SOTOS, P.E. FL P.E. LIC. # 55225

SHEET DESCRIPTION DESIGN LOAD CHART WITH GLASS OPTIONS (XOX UN-EQUAL LITE) AND NOTES

300		
DRAWN BY:	DATE:	
N. Erazo	12/18	3/2023
REV. BY:	DATE:	
		n
DWG #:		REV#:
CWS-1220		
SCALE:	SH	EET
	8 C	F 10

nr	D	P20-	DEGGDYDWYG	PRICE	1
TEM #	PART #	REQD.	DESCRIPTION	REMARKS	1
1	L-7703	1	FRAME HEAD	6063-T6 ALUMINUM	
2 ·	L-8701	1	FRAME SILL	6063-T6 ALUMINUM	1
3	L-7701	1	FRAME FXD. JAMB	6063-T6 ALUMINUM	
4	L-7704	1	FRAME FIXED MEETING RAIL	6063-T6 ALUMINUM	L
5	L-7705	1	VENT MEETING RAIL	6063-T6 ALUMINUM	
6	L-7707	1	VENT TOP/BOTTOM RAIL	6063-T6 ALUMINUM	
7	L-8703	1	FRAME VENT JAMB	6063-T6 ALUMINUM	L
8	L-7706	1	VENT JAMB LATCH RAIL	6063-T6 ALUMINUM	L
9	L-8702	1	FRAME SILL TRACK	6063-T5 ALUMINUM	ŀ
10	L-8705	1	FRAME SILL RETAINING CLIP	6063-T5 ALUMINUM	1
11	L-7708P	AS REQ'D.	GLAZING BEAD ( 3/8")	6063-T5 ALUMINUM	┺
12	FS-006	AS REQ'D.	FRAME ASSEMBLY SCREWS	#8 X 3/4' P.H. PHILLIPS	╁
13	FS-040	AS REQD.	INSTALLATION SCREWS	#14 SMS F.H./PHIL.	F
14	L-7531	AS REQ'D.	VINYL BULB	1/4" DIA. BULB #3033	1
15	PWS-003	AS REQ'D.	FIN SEAL WEATHERSTRIP	.187" w x .230" h	╁
16	PWS-005	AS REQ'D.	FIN SEAL WEATHERSTRIP	.187" w × .350" h	╁
17	PWS-009	AS REQ'D.	FIN SEAL WEATHERSTRIP	.187' w × .310' h	L
18	L-7709	AS REQ'D.	GLAZING BEAD ( INSULATED)	6063-T5 ALUMINUM	T
19	PWS-001	AS REQ'D.	PILE @ GLAZING BEAD	.187' w x .150' h	T
20	*	*:	*	*	┨
21	L-7539	2	VENT EXTRUDED SPRING LATCH	6063-T5 ALUMINUM	╂
22	HC-057-1	2	VENT MOLDED SPRING LATCH	MOLDED NYLON	Ļ
23	L-7523	1 × LATCH		STAINLESS STEEL	╂
24	*	2	SILL/JAMB JOINT GASKET	1/16' CLOSED CELL FOAM	╂
25	FS-041	2	SILL RAIL ASSEMBLY SCREW	#8 X 2 1/4" P.H./PHIL.	╂
26.1	HC-044-1	2	WEEP FLAP & BAFFLE		╂
26.2	HC-044-1	1 X WEEP	OPEN CELL FOAM PAD	* .	╀
27	HC-040-1	2	SASH ROLLER & HOUSING	1/2" X 1/2" X 2" L.	+
	2000-1 0 100 E N			*	1
28	HC-026-1	1	SCREEN FRAME & MESH	* * * * * * * * * * * * * * * * * * *	+
29	(0.00)	1	ATTACHMENT SCREW @ CLIP	#8 X 5/8" S.D.S.	+
30	HC-058-1	2	VENT SWEEP LATCH	MOLDED NYLON	╁
31	HC-059-1	2	VENT SWEEP LATCH	DIE CAST METAL	+
32			FRAME SILL ANCHOR CLIP	6063-T5 ALUMINUM	1
33	*	2	LAMINATED GLASS	See Details @ L.H. of sheet 9	-
40 a	'TrueSeal'	AS REQ'D.	Insulated Glass Swiggle Seal	N VI 1972	-
40 b	"Quanex"	AS REQ'D.	Insulated Glass SuperSpacer	The second of th	4
40 ⊂	"Quanex"	AS REQ'D.	Insulated Glass Duraseal	1/4" air space	
34	*	AS REQ'D.	GLAZING SILICONE	See Details @ L.H. of sheet 9	1
35	L-8301	1	FRAME SILL	6063-T6 ALUMINUM	
36	L-8302	1	FRAME SILL RETAINING CLIP	6063-T5 ALUMINUM	
37	L-4205	AS REQ'D.	GLAZING BEAD ( 7/16')	6063-T5 ALUMINUM	
38	SM-5504	AS REQ'D.	JOINT SEALANT	*	
39	*	AS REQ'D.	EXT. GRADE PERIMETER CAULK	OSI POLYSEAMSEAL	

PRODUCT REVISED as complying with the Flori



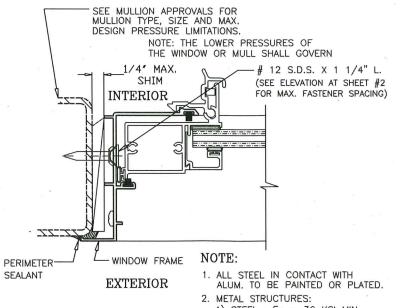
	GLAZING DEPTI	Н	
	LAMINATED GLASS CO	MPOSITION - TYPE B	and the second s
(	GLASS DESCRIPTION	DETAIL OF	LAMINATE DESCRIPTION
	1/8' ANNEALED GLASS	.0.090'	OAELEY BUR
	0.090' PLASTIC INTERLAYER	1/8	SAFLEX PVB by Eastman Chemical co.
	1/8' ANNEALED GLASS	0.340*	Easthan Chemical Co.
-			

2	0.090° PLASTIC INTERLAYER	1/8'	Eastman Chemical co.	
3	1/8' ANNEALED GLASS	0.340*	Easthan Chemical Co.	
	LAMINATED GLASS COMPOSITION - TYPE D			
ITEM	GLASS DESCRIPTION	DETAIL	LAMINATE DESCRIPTION	
1	1/8' HEAT-STRENGHTENED GLASS	1/8'		
2	0.090' PLASTIC INTERLAYER	.0.090*   1/8*	TROSIFOL PVB by Kuraray America, Inc.	
3	1/8' HEAT-STRENGHTENED GLASS	0.340*	Kararay America, Iric.	
	LAMINATED GLASS COMPOSITION - TYPE E			
ITEM	GLASS DESCRIPTION	DETAIL	LAMINATE DESCRIPTION	
1	1/8' HEAT-STRENGHTENED GLASS	1/8'		
2	0.090' PLASTIC INTERLAYER	.0.090*	SAFLEX PVB by	

$\frac{1}{2}$	3	1/8' HEAT-STRENGHTENED GLASS	1.1/8' 0 0,340'	Eastman Chemical co.
1		LAMINATED GLASS CO	MPOSITION - TYPE F	
1	ITEM	GLASS DESCRIPTION	DETAIL	LAMINATE DESCRIPTION
1	1	1/8' ANNEALED GLASS	1/8'	TOUSIEU DVD b
4	2	0.090' PLASTIC INTERLAYER		TROSIFOL PVB by Kuraray America, Inc.
	3	1/8' ANNEALED GLASS	0.340	Train and y Times really after
1				

	LAMINATED GLASS CO	MPOSITION - TYPE I	
ITEM	GLASS DESCRIPTION	3 DETAIL	LAMINATE DESCRIPTION
1 3.	3/16' HEAT-STRENGHTENED GLASS		
2 0.	0.077" PLASTIC INTERLAYER		SAFLEX "STORM" by Eastman Chemical co.
3 3.	3/16' HEAT-STRENGHTENED GLASS	0.340	Lus viiuri Chemicat Co.

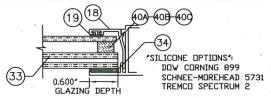
# GLAZING DETAILS AND OPTIONS



A) STEEL: Fy = 36 KSI MIN. (STEEL 18 GA. MIN. THICK - 0.048") B) ALUMINUM: 6063-T5 MIN.

(ALUM. 0.078" MIN. THICK)

METAL STRUCTURE ATTACHMENT DETAIL



	INSULATED LAMINATED	GLASS COMPOSITION	TYPE A	L'
	GLASS DESCRIPTION	Detail S	LAMINATE DESCRIPTION	
	1/8' ANNEALED GLASS	1/8'		
	0.090" PLASTIC INTERLAYER	(4) 1/4°	CAELEY DVD I	
	1/8' ANNEALED GLASS	.090* 1	SAFLEX PVB by Eastman Chemical co.	
	1/4' INSULATED AIR SPACE	1/8	and their original cor	
Ì	1/8" ANNEALED GLASS (*)	「		ı

	INSULATED LAMINATED	GLASS COMPOSITION	TYPE C
ITEM	GLASS DESCRIPTION	DETAIL	LAMINATE DESCRIPTION
1	1/8' ANNEALED GLASS	1/8'	
2 .	0.090' PLASTIC INTERLAYER	4) 1/4'	Weekling Statement Co. Co.
3	1/8' ANNEALED GLASS	.1/8'	TROSIFOL PVB by Kuraray America, Inc.
4	1/4' INSULATED AIR SPACE	1/8	Kururuy mmerica, Inc.
5	1/8' ANNEALED GLASS (*)	1 1 2 3 3 0.340, —	28

	INSULATED LAMINATED	GLASS COMPOSITION	TYPE G
ITEM	GLASS DESCRIPTION	DETAIL	LAMINATE DESCRIPTION
1	1/8' HEAT-STRENGHTENED GLASS	1/8'	
2	0.090' PLASTIC INTERLAYER	4 1/4'	TODOLEGI, DVD I
3	1/8' HEAT-STRENGHTENED GLASS	.090'	TROSIFOL PVB by Kuraray America, Inc.
4	1/4' INSULATED AIR SPACE	1/8	
5	1/8' ANNEALED GLASS (*)		100

(\*) WINDOWS WITH GLASS TYPES 'A, C, OR G' INSTALLED ABOVE 30FT. IN THE HVHZ, THE I.G. EXTERIOR LITE SHALL BE TEMPERED.

	INSULATED LAMINATED	GLASS COMPOSITION	TYPE H
ITEM	GLASS DESCRIPTION	DETAIL	LAMINATE DESCRIPTION
1	1/8' HEAT-STRENGHTENED GLASS	1/8'	
2	0.090' PLASTIC INTERLAYER	(4) 1/4°	TDDSTCDL DVD I
3	1/8' HEAT-STRENGHTENED GLASS	.1/8*	TROSIFOL PVB by Kuraray America, Inc.
4	1/4' INSULATED AIR SPACE	1/8	
5	1/8' TEMPERED GLASS		

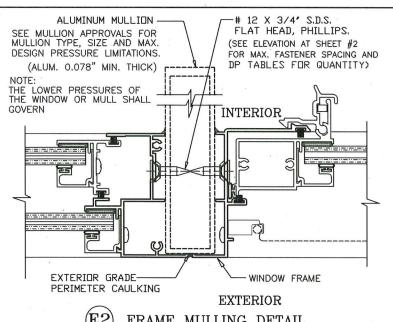
# 40 Insulated Spacer Types & Options

40 a) "TrueSeal" Swiggle Seal

40 b) "Quanex" SuperSpacer w/ Isomelt M

40 c) "Quanex" Duraseal

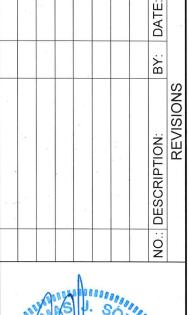
ITEM



FRAME MULLING DETAIL



**7200 ALUMINUM HORIZONTAL SLIDER -IMPACT FLANGE FRAME** 



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

DEC 18-2023

SHEET DESCRIPTION: GLAZING DETAILS, MULLION DETAILS, AND BILL OF MATERIALS

DRAWN BY:	DATE:
N. Erazo	12/18/2023
REV. BY:	DATE:
	<del></del>
DWG #:	REV #:
CWS-122	20
SCALE:	SHEET
	9 OF 10

