

DEPARTMENT OF REGULATORY AND ECONOMIC RESOURCES (RER)

BOARD AND CODE ADMINISTRATION DIVISION

PRODUCT CONTROL SECTION 11805 SW 26 Street, Room 208 Miami, Florida 33175-2474 T (786) 315-2590 F (786) 315-2599 www.miamidade.gov/economy

**MIAMI-DADE COUNTY** 

# NOTICE OF ACCEPTANCE (NOA)

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 "7200 (Flange Frame)" Aluminum Horizontal Rolling Window – S.M.I.

**APPROVAL DOCUMENT:** Drawing No. CWS-1262, titled "7200 Aluminum Horizontal Roller - Small Missile Impact", sheets 1 through 6 of 6, dated 08/12/25, prepared by the manufacturer, signed and sealed by Thomas J. Sotos, P.E., bearing the Miami-Dade County Product Control Approval stamp with the Notice of Acceptance number and approval date by the Miami-Dade County Product Control Section.

#### MISSILE IMPACT RATING: Small Missile Impact Resistant

**LABELING:** Each unit shall bear a permanent label with the manufacturer's name or logo, Medley, Florida, 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 consists of this page 1 and evidence pages E-1 and E-2, as well as approval document mentioned above.

The submitted documentation was reviewed by Manuel Perez, P.E.



NOA No. 25-1015.03 **Expiration Date: November 13, 2030** Approval Date: November 13, 2025 age 1

#### NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

#### A. DRAWINGS

- 1. Manufacturer's die drawings and sections.
- 2. Drawing No. **CWS-1262**, titled "7200 Aluminum Horizontal Roller Small Missile Impact", sheets 1 through 6 of 6, dated 08/12/25, prepared by manufacturer, signed and sealed by Thomas J. Sotos, P.E.

#### 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) Forced Entry Test, per ASTM F588 and TAS 202-94
  - 5) Small Missile Impact Test per FBC, TAS 201-94
  - 6) Cyclic Wind Pressure Loading per FBC, TAS 203-94

along with marked-up drawings and installation diagram of a series 7200 aluminum horizontal sliding window, prepared by QAI Laboratories, Test Report No. **21-1264b**, dated 08/21/25, signed and sealed by Idalmis Ortega, P.E.

- 2. Test reports on: 1) Uniform Static Air Pressure Test, Loading per FBC TAS 202-94
  - 2) Small 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 7200 aluminum horizontal sliding window, prepared by QAI Laboratories, Test Report No. **MED-944b**, dated 08/21/25, signed and sealed by Idalmis Ortega, P.E.

#### C. CALCULATIONS

- 1. Anchor verification calculations and structural analysis, complying with FBC 8<sup>th</sup> Edition (2023), dated 10/08/25, prepared by manufacturer, signed and sealed by Thomas J. Sotos, P.E.
- 2. Glazing complies with ASTM E1300-16

#### D. QUALITY ASSURANCE

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

Manuel Perez, P.E. Product Control Examiner NOA No. 25-1015.03

Expiration Date: November 13, 2030 Approval Date: November 13, 2025

#### **Custom Window Systems, Inc.**

#### NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

#### 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" dated 03/21/24, expiring on 07/08/29.
- 2. Notice of Acceptance No. 23-0713.18 issued to Eastman Chemical Company (MA) for their "Saflex® PVB Clear and Colored Interlayers for Laminated Glass" dated 08/17/23, expiring on 05/21/26.

#### F. STATEMENTS

- 1. Statement letter of conformance, complying with FBC 8<sup>th</sup> Edition (2023), dated October 7, 2025, issued by the manufacturer, signed and sealed by Thomas J. Sotos, P.E.
- 2. Statement letter of no financial interest, dated October 7, 2025, issued by the manufacturer, signed and sealed by Thomas J. Sotos, P.E.
- **3.** Proposal No. **16-1467** issued by the Product Control Section, dated December 13, 2016, signed by Manuel Perez, P.E.

#### G. OTHERS

1. None.

Manuel Perez, P.E.
Product Control Examiner
NOA No. 25-1015.03

Expiration Date: November 13, 2030 Approval Date: November 13, 2025

# 76" FRAME FLANGE WIDTH TEST UNIT SIZE: 76" X 76" INSTALLATION FASTENERS 75' INTERIOR FRAME WIDTH-(A) 7 AT FRAME HEAD (B) 7 AT EA. FRAME SILL 5 1/2" (C) 6 AT EA. FRAME JAMB 14 1/2"-SEE GENERAL NOTE #3 & #4. 1 10 3/8" (MAX. 0.C.) (MAX. O.C.) TYPICAL AT 5 1/2" ALL CORNERS) Max. D.L.O. Width Max. D.L.O. Width 34 1/4 = 34 1/413" D.C. 13" D.C. 131 D.C. 13" □.C 5 1/2\* ANCHOR NOTES: -EXT. & INT. FALSE COLONIAL MUNTINS ARE APPLIED W/ W/ SILICONE AND ARE AVAILABLE AS OPTIONAL. 1. SAME ANCHOR SPACING AT HEAD & SILL "XO" WINDOW EQUAL LITE

( "OX" REVERSED )

#### **SERIES: 7200**

# SMALL MISSILE IMPACT HORZ. ROLLER WINDOW - FLANGE FRAME

#### 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 SMALL MISSILE IMPACT RESISTANT. (SHUTTERS NOT REQUIRED ABOVE 30FT.)
- 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 THE ELEVATION ARE AS PER TEST UNITS. ANCHORS ON ALL WINDOW SIZES ARE NOT TO EXCEED THESE MAXIMUM SPACINGS ON CENTER (O.C.), AND AS TABULATED ON SHEET 4 OF 6.
- 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 4 OF 6), AND FOR USE WITH DOUBLE GLAZE LAMINATED INSULATED GLASS TYPES TABULATED HEREIN (SEE SHEET 4 OF 6).
- 6.) WINDOWS WITH GLASS TYPES "C, OR D" INSTALLED ABOVE 30FT. IN THE HVHZ, THE I.G. EXTERIOR LITE SHALL BE TEMPERED.
- 7.) SEE SHEET 5 OF 6 FOR LOCK DETAILS & OPTIONS.
- 8.) SEE SHEET 4 OF 6 FOR GLASS TYPES.
- 9.) SEE SHEET 4 OF 6 FOR DESIGN PRESSURES ON "XO or OX" WINDOWS.
- 10.) FOR OPTIONAL FRAME INSTALLATION DETAILS SEE SHEETS 5 OF 6.
- 11.) EXT. & INT. FALSE COLONIAL MUNTINS ARE OPTIONAL & AND ARE APPLIED W/ SILICONE
- 12.) WOOD BUCKS IN CONTACT WITH CONCRETE MUST BE PRESSURE TREATED AND ANCHORED (BY OTHERS), PRIOR TO WINDOW INSTALLATION. (SEE SHEET 2 & 3 OF 6 FOR DETAILS & NOTES) WOOD BUCKS TO BE ANCHORED IN COMPLIANCE WITH THE FBC CHAPTER 24 SECTION 11.3.3.3.
- 13.) APPROVAL APPLIES TO SINGLE UNITS OR SIDE BY SIDE MULLED UNITS.
- 14.) SEE SHEET 5 OF 6 FOR MULLION/METAL ATTACHMENT DETAILS, NOTES & OPTIONS.
- 15.) MULLING HORIZONTAL SLIDING WINDOWS WITH OTHER TYPES OF MIAMI-DADE COUNTY APPROVED WINDOWS USING A FBC, OR 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.

#### NOTES:

- 1) REFER TO SHEET 2 AND 3 OF 6 FOR INSTALLATION ANCHOR DETAILS AND NOTES.
- 2) FOR VERTICAL CROSS-SECTION DETAILS REFER TO SHEET 2 OF 6.
- 3) FOR HORIZONTAL CROSS-SECTION DETAILS REFER TO SHEET 3 OF 6.
- 4) FOR DESIGN LOAD CHARTS AND NOTES REFER TO SHEET 4 OF 6.
- 5) FOR BILL OF MATERIALS AND MULLING DETAILS REFER TO SHEET 5 OF 6,
- 6) FOR FRAME AND VENTS ASSEMBLY DETAILS REFER TO SHEET 6 OF 6.

# WINDOWS ARE S.M. IMPACT APPROVED SHEET 6 DF 6. SHUTTERS NOT REQUIRED ABOVE 30 FT. ELEVATION

### TEST UNIT PERFORMANCE SUMMARY

FLANGE FRAME TEST SIZE = 76" W. X 76" H.

LOAD PERFORMANCE TEST: TAS-202

DESIGN LOADS @ PA-202 = +90.0, -120.0 PSF

STRUCTURAL TEST LOADS = +135.0, -180.0 PSF

SMALL MISSILE IMPACT TEST: TAS-201

CYCLIC LOAD TEST: TAS-203

TESTED GLASS = (SEE GLASS DATA CHART)

(W/ 7/16" LAMINATED — MONOLITHIC & 11/16" INSULATED—LAMINATED)

A A A B B B B XO

PRODUCT APPROVED
As complying with the Florida
Building Code
NOA-No. 25-1015.03

Approval Date: 11/13/2025

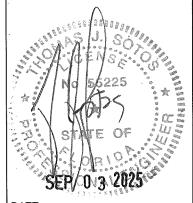
By: Manuel Peres
Miami-Dade Product Control



WWW.CWS.CC

# 7200 ALUMINUM HORIZONTAL ROLLER SMALL MISSILE IMPACT

DESCRIPTION: BY: DATE:							
SNOIS				,		DATE:	
DESCRIPTION:						BY:	
		-				NO.: DESCRIPTION:	REVISIONS



DATE\_

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

SHEET DESCRIPTION:
APPROVED ELEVATIONS,
CONFIGURATIONS AND
GENERAL NOTES

DRAWN BY:

N. Erazo

REV. BY:

DATE:

08/12/2025

REV. BY:

DATE:

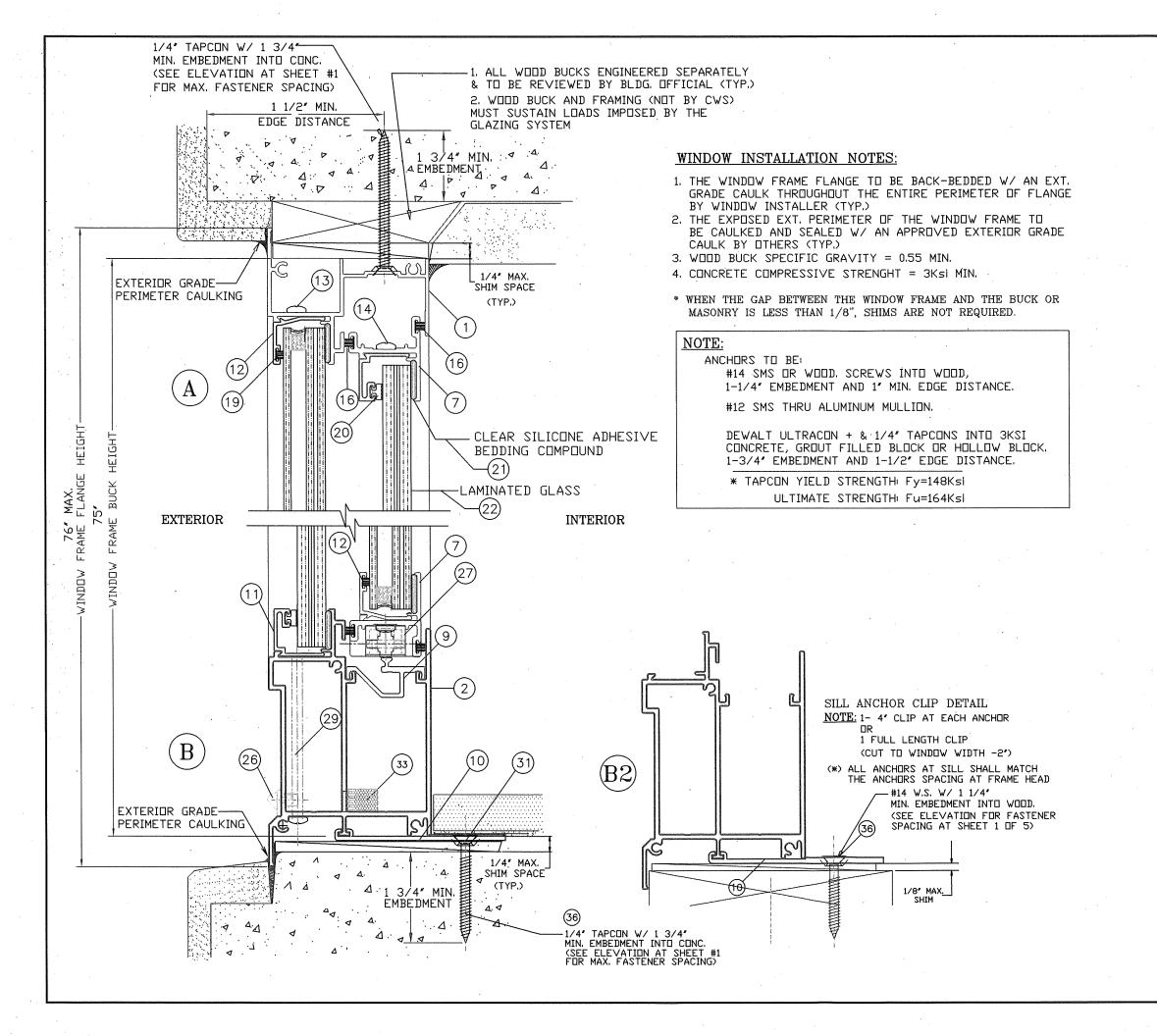
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DWG #:

CWS-1262

SCALE:

SHEET

1 OF 6





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

## 7200 ALUMINUM HORIZONTAL ROLLER -SMALL MISSILE IMPACT

BY:					-	DATE:	
DESCRIPTION: REVISIONS							
NO.:		-				NO.: DESCRIPTION:	REVISIONS



\_ SEP 0 3 202

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

SHEET DESCRIPTION:
VERTICAL CROSS SECTION,
NOTES AND FRAME
INSTALLATION DETAILS

DRAWN BY:	DATE:				
N. Erazo	08/12/2025				
REV. BY:	DATE:				
	100 cm 100				
DWG #:	REV#:				
CWS-1262					
SCALE:	SHEET				

2 OF 6

By: Manue Street Sontrol

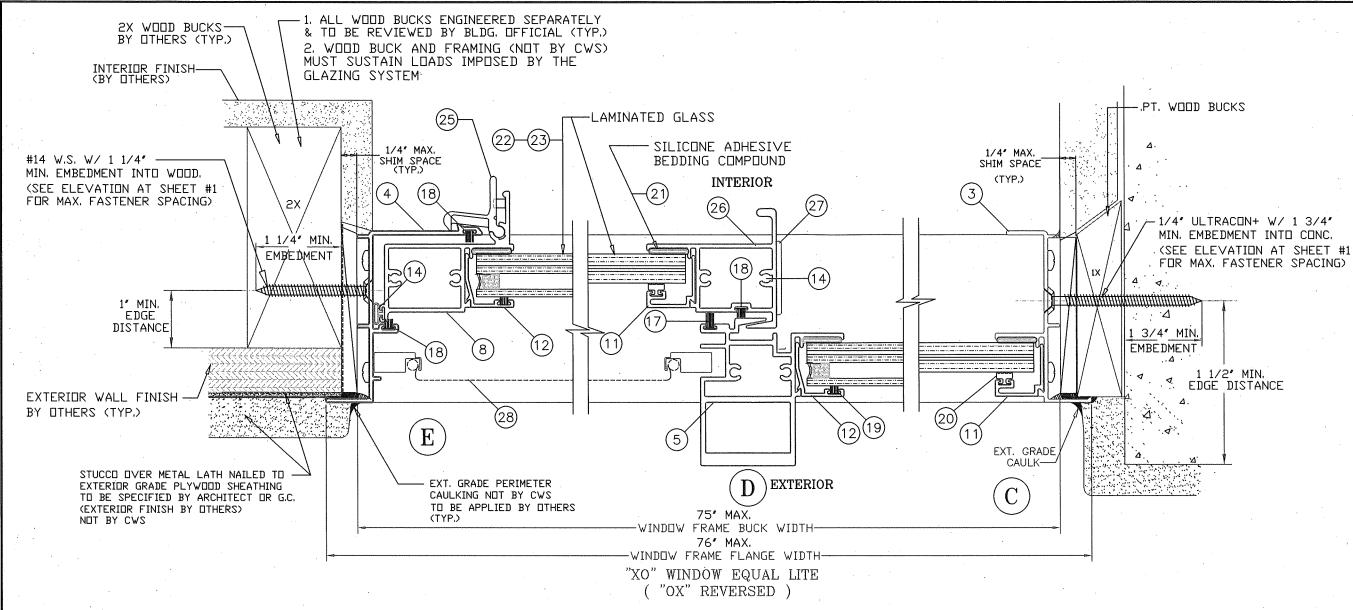
NOA-No.

**PRODUCT APPROVED** 

As complying with the Florida Building Code

Approval Date: 11/13/2025

25-1015.03





- 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.)
- 3. WOOD BUCK SPECIFIC GRAVITY = 0.55 MIN.
- 4. CONCRETE COMPRESSIVE STRENGHT = 3Ksi MIN.
- \* WHEN THE GAP BETWEEN THE WINDOW FRAME AND THE BUCK OR MASONRY IS LESS THAN 1/8", SHIMS ARE NOT REQUIRED.

# \_

H.D. MEETING RAIL WITH SWEEP LOCK OPTION

NOTE:

NOTE:

ANCHORS TO BE: #14 SMS OR WOOD, SCREWS INTO WOOD, 1-1/4" EMBEDMENT AND 1" MIN. EDGE DISTANCE.

#12 SMS THRU ALUMINUM MULLION.

DEWALT ULTRACON + & 1/4" TAPCONS INTO 3KSI CONCRETE, GROUT FILLED BLOCK OR HOLLOW BLOCK. 1-3/4" EMBEDMENT AND 1-1/2" EDGE DISTANCE.

\* TAPCON YIELD STRENGTH: Fy=148Ksi ULTIMATE STRENGTH: Fu=164Ksi **PRODUCT APPROVED** As complying with the Florida Building Code NOA-No. **25-1015.03** 

Approval Date: 11/13/2025

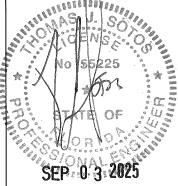
Miami-Dade Product Control



OCALA, FLORIDA 34474 WWW.CWS.CC

# **7200 ALUMINUM HORIZONTAL ROLLER -SMALL MISSILE IMPACT**

1\		-		
	-			
	NO.:	NO.: DESCRIPTION:	BY:	BY: DATE:
		REVISIONS		



DATE

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

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

DRAWN BY 08/12/2025 N. Erazo CWS-1262 SCALE: SHEET 3 OF 6

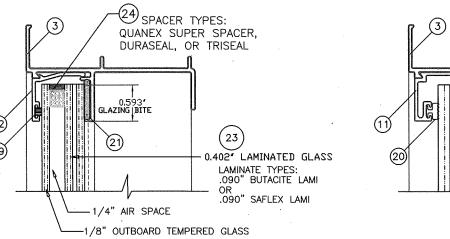
#### CWS-7200 SMALL MISSILE IMPACT FLANGE FRAME HORIZONTAL ROLLING WINDOW **DESIGN PRESSURE TABLE**

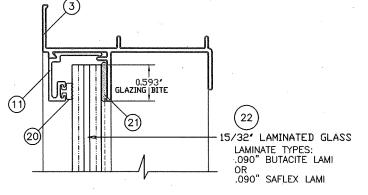
				DESIGN LOAD CAPACITY (PSF) - OX or XO WINDOWS							
		#	# .				+/-Press		· · · · · · · ·		
WINI		Jamb	H&S		ype "A"		ype "B"		ype "C"		ype "D"
WIDTH	HEIGHT	Anchors	Anchors	+ psf	- psf	+ psf	- psf	+ psf	- psf	+ psf	- psf
24	24	2	2	90.0	120.0	90.0	120.0	90.0	120.0	90.0	120.0
36	24	2	3	90.0	120.0	90.0	120.0	90.0	120.0	90.0	120.0
48	24	.2	4	90.0	120.0	90.0	120.0	90.0	120.0	90.0	120.0
60	24	2	5	90.0	120.0	90.0	120.0	90.0	120.0	90.0	120.0
72	24	2	6	90.0	120.0	90.0	120.0	90.0	120.0	90.0	120.0
76	24	2	6	90.0	120.0	90.0	120.0	90.0	120.0	90.0	120.0
24	36	3	3	90.0	120.0	90.0	120.0	90.0	120.0	90,0	120.0
36	36	3	. 3	90.0	120.0	90.0	120.0	90.0	120.0	90.0	120.0
48	. 36	3	4	90.0	120.0	90.0	120.0	90.0	120.0	90.0	120.0
60	36	3	5	90.0	120.0	90.0	120.0	90.0	120.0	90.0	120.0
72	36	3	6	90.0	120.0	90.0	120.0	90.0	120.0	90.0	120.0
76	36	3	` 6	90.0	120.0	90.0	120.0	90.0	120.0	90.0	120.0
24	48	4	3	90.0	120.0	90.0	120.0	90.0	120.0	90.0	120.0
36	48	4	3	90.0	120.0	90.0	120.0	90.0	120.0	90.0	120.0
48	48	4	4	90.0	120.0	90.0	120.0	90.0	120.0	90.0	120.0
60	48	4	5	90.0	120.0	90,0	120.0	90.0	120.0	90.0	120.0
72	- 48	4	6	90.0	120.0	90.0	120.0	90.0	120.0	90.0	120.0
76	48	4	6	90.0	120.0	90.0	120.0	90.0	120.0	90.0	120.0
24	60	5	2	90.0	120.0	90.0	120.0	90.0	120.0	90.0	120.0
36	60	5	3	90.0	120.0	90.0	120.0	90.0	120.0	90.0	120.0
48	60	5	4	90.0	120.0	90.0	120.0	90.0	120.0	90.0	120.0
60	- 60	5	. 5	90.0	120.0	90.0	120.0	90.0	120.0	90,0	120.0
72	60	5	7	90.0	120.0	90.0	120.0	90.0	120.0	90.0	120.0
76	60	5	8	90.0	120.0	90.0	120.0	90.0	120.0	90.0	120.0
24	72	6	3	90.0	120.0	90.0	120.0	90.0	120.0	90.0	120.0
36	72	6	3	90.0	120.0	90.0	120.0	90.0	120.0	90.0	120.0
48	72	6	4	90.0	120.0	90.0	120.0	90.0	120.0	90.0	120.0
60	72			90.0	120.0	90.0	120.0	90.0	120.0	90.0	120.0
		7	. 5		1						
72	72	8	. 8	90.0	120.0	90.0	120.0	90.0	120.0	90,0	120.0
76	72	7	8	90.0	120.0	90.0	120.0	90.0	120.0	90.0	120.0
26.5	26	3	3	90.0	120.0	90.0	120.0	90.0	120.0	90.0	120.0
37	26	3	3	90.0	120.0	90.0	120.0	90.0	120.0	90.0	120.0
53.125	26	3	4.	90.0	120.0	90.0	120.0	90.0	120.0	90.0	120.0
74	26	3	6	90.0	120.0	90.0	120.0	90.0	120.0	90.0	120.0
76	26	3	6	90.0	120.0	90.0	120.0	90.0	120.0	90,0	120.0
26.5	38,375	4	3	90.0	120.0	90.0	120.0	90.0	120.0	90.0	120.0
37	38,375	4	4	90.0	120.0	90.0	120.0	90.0	120.0	90,0	120.0
53.125	38.375	4	4	90.0	120.0	90.0	120.0	90.0	120.0	90.0	120.0
74	38.375	4	6	90.0	120.0	90.0	120.0	90.0	120.0	90,0	120.0
76	38.375	4	6	90.0	120.0	90.0	120.0	90.0	120.0	90.0	120.0
26.5	50.625	5	3	90.0	120.0	90,0	120.0	90.0	120.0	90.0	120.
37	50,625	5	3	90.0	120.0	90.0	120.0	90.0	120.0	90.0	120.
53.125	50.625	5	4	90.0	120.0	90.0	120.0	90.0	120.0	90.0	120.
74	50.625	5	6	90.0	120.0	90.0	120.0	90.0	120.0	90.0	120.
76	50,625	5	6	90.0	120.0	90.0	120.0	90.0	120.0	90.0	120.
26.5	58	5	. 3	90.0	120.0	90.0	120.0	90.0	120.0	90.0	120.
37	58	5	3	90.0	120.0	90.0	120.0	90.0	120.0	90.0	120.
53.125	58	5	4	90,0	120.0	90.0	120.0	90.0	120.0	90.0	120.
74	58	5	8	90.0	120.0	90.0	120.0	90.0	120.0	90.0	120.
76	58	5	8	90.0	120.0	90.0	120.0	90.0	120.0	90.0	120.
26.5	63	5	3	90.0	120.0	90.0	120.0	90.0	120.0	90.0	120.
37	63	5	3	90.0	120.0	90.0	120.0	90.0	120.0	90.0	120.
53.125	63	5 .	5	90.0	120.0	90.0	120.0	90.0	120.0	90.0	120.
74	63	6	7	90.0	120.0	90.0	120.0	90.0	120.0	90.0	120.
76	63	6	8	, 90,0	120.0	90.0	120.0	90.0	120.0	90.0	120.
26.5	74 1/4	6	3	90.0	120.0	90.0	120.0	90.0	120.0	90.0	120.
37	74 1/4	6	3	90.0	120.0	90.0	120.0	90.0	120.0	90.0	120.
53.125	74 1/4	6	5	90.0	120.0	90.0	120.0	90.0	120.0	90.0	120.
74	74 1/4		8	90.0	120.0	90.0	120.0	90.0	120.0	90.0	120.
76	74 1/4	8		90.0	120.0	90.0	120.0	90.0	120.0	90.0	120.
		8	8							<u> </u>	
26.5	76	6	3	90.0	120.0	90.0	120.0	90.0	120.0	90.0	120.
37	76	6	3	90.0	120.0	90.0	120.0	90.0	120.0	90.0	120.
53.125	76	7	5	90.0	120.0	90.0	120.0	90.0	120.0	90.0	120.
74	76	8	8	90.0	120.0	90.0	120.0	90.0	120.0	90.0	120.
76	76	8	8	90.0	120.0	90.0	120.0	90.0	120.0	90.0	120.

	LAMINATED GLASS	COMPOSITION - "C"
ITEM	DESCRIPTION	DETAIL
1	1/8' HEAT STRENGTHENED GLASS	Le Emme
2	0.090" BUTACITE PVB INTERLAYER	(A) 1/4°1
3	1/8' HEAT STRENGTHENED GLASS	0.724
4	1/4" INSULATED AIR SPACE	1/2
5	1/8" TEMPERED GLASS	1 1

	LAMINATED GLASS	COMPOSITION - "D"
ITEM	DESCRIPTION	DETAIL
1	1/8" HEAT STRENGTHENED GLASS	1 Ver
2	0.090' SAFLEX PVB INTERLAYER	4 1/41
3	1/8" HEAT STRENGTHENED GLASS	0.724
4	1/4" INSULATED AIR SPACE	1 ve
5	1/8" TEMPERED GLASS	7 1

5	1/8' TEMPERED GLASS		<b>]</b> ,					
	LAMINATED GLASS	COMPOSITION - "D"			LAMINATED	GLASS	COMPOS	SITION - "B"
ГЕМ	DESCRIPTION	DETAIL	ITEM		DESCRIPTION	,		DETAIL
1	1/8' HEAT STRENGTHENED GLASS	1/8' [	1	3/16*	HEAT STRENGTHEN	ED GLASS		
2	0.090' SAFLEX PVB INTERLAYER	4 .1/4"	2	0.090*	SAFLEX PVB INTE	ERLAYER	0,090,	
3	1/8' HEAT STRENGTHENED GLASS	0.724	3	3/16*	HEAT STRENGTHEN	IED GLASS	լ : Т	
4	1/4' INSULATED AIR SPACE	ν <sub>e</sub>   == (†)			*			
		1 1	E .					





LAMINATED GLASS COMPOSITION - "A"

DESCRIPTION

1 3/16" HEAT STRENGTHENED GLASS 0.090' BUTACITE PVB INTERLAYER 3 3/16' HEAT STRENGTHENED GLASS

ITEM

GLAZING DETAIL (INSULATED)

GLAZING DETAIL (MONOLITHIC)

# Notes (\*):

- 1.) SEE SHEET 4 OF 5 FOR GLAZING TYPES, DETAILS & SHEET 5 OF 5 FOR SILICONE OPTIONS.
- 2.) WINDOWS WITH GLASS TYPES "B, OR D" 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.

**PRODUCT APPROVED** As complying with the Florida Building Code NOA-No. 25-1015.03

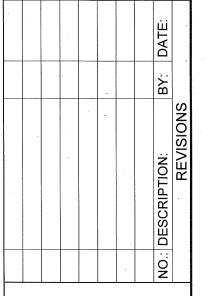
Approval Date: 11/13/2025

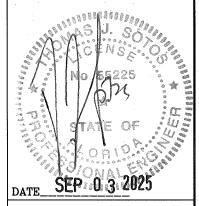
Miami-Dade Product Control



OCALA, FLORIDA 34474 WWW.CWS.CC

# **7200 ALUMINUM HORIZONTAL ROLLER -SMALL MISSILE IMPACT**



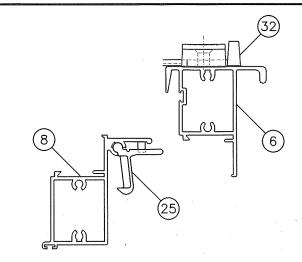


THOMAS J. SOTOS, P.E. FL P.E. LIC. # 55225

SHEET DESCRIPTION DESIGN LOAD CHART, GLASS OPTIONS, DETAILS, AND NOTES

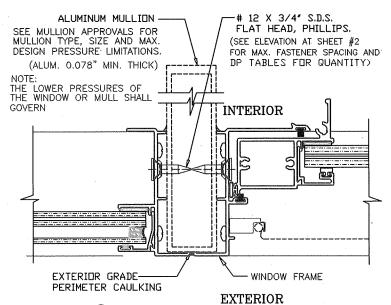
DRAWN BY:	DATE:				
N. Erazo	08/12/2025				
REV. BY:	DATE:				
***					
CWS-12	62	REV #:			
SCALE:	SHEET 4 OF 6				

BILL OF MATERIALS						
ITEM #	PART #	REQD.	DESCRIPTION	REMARKS		
1	LAW-7703	1	FRAME HEAD	6063-T6 ALUMINUM		
2	LAW-8751	1	FRAME M.R. SILL	6063-T6 ALUMINUM		
3	LAW-7701	1	FRAME FXD. JAMB	6063-T6 ALUMINUM		
4	LAW-8702	1	FRAME VENT JAMB	6063-T6 ALUMINUM		
5	LAW-8752	1	FRAME FIXED MEETING RAIL	6063-T6 ALUMINUM		
6	LAW-7705	1	VENT MEETING RAIL	6063-T6 ALUMINUM		
7	LAW-7707	1	VENT TOP/BOTTOM RAIL	6063-T6 ALUMINUM		
. 8	LAW-7706	1	VENT JAMB LATCH RAIL	6063-T6 ALUMINUM		
9	LAW-8703	1	FRAME SILL TRACK	6063-T5 ALUMINUM.		
10	LAW-8730	1	SILL ANCHOR CLIP (Detail B2)	6063-T5 ALUMINUM		
11	LAW-4205	AS REQ'D.	GLAZING BEAD ( 7/16" )	6063-T5 ALUMINUM		
12	LAW-7709	AS REQ'D.	GLAZING BEAD ( 11/16" )	6063-T5 ALUMINUM		
13	*	10	FRAME ASSEMBLY SCREWS	#8 X 1" P.H./SQ. RECESS		
14	*	8	VENT ASSEMBLY SCREWS	#8 X 1" P.H./SQ. RECESS		
15	L-7531	AS REQ'D.	VENT JAMB VINYL WTS'P	1/4" DIA. BULB #3033		
16	*	AS REQ'D.	FIN SEAL WEATHERSTRIP	.187" w × .230" h		
17	*	AS REQ'D.	FIN SEAL WEATHERSTRIP	.187″ w × .350″ h		
18	*	AS REQ'D.	FIN SEAL WEATHERSTRIP	.187" w × .310" h		
19	*	AS REQ'D.	FIN SEAL WEATHERSTRIP	.187" w × .210" h		
20	LAW-4206	AS REQ'D.	GLAZING WEDGE / GASKET	.187" w × .150" h		
21	*	AS REQ'D.	NEUTRAL CURE SILICONE	DOW CORNING 899		
21	*	AS REQ'D.	CLEAR SILICONE	GE 2C2 5800		
21	*	AS REQ'D.	CLEAR SILICONE	TREMCO SPECTREM 2		
22	*	2	Laminated Monolithic Glass	See Glazing Details		
23	*	2	Laminated Insulated Glass	See Glazing Details		
24	*	AS REQ'D.	1/4" Insulated Spacer	See Glazing Details		
25	HC-057	2 × VENT	VENT PULL LATCH	MOLDED PLASTIC		
26	HC-086	2	WEEP FLAP & BAFFLE			
27	`HC-040	2	SASH ROLLER & HOUSING			
28	HC-026	1	SCREEN FRAME & MESH	·		
29	*	2	SILL-RAIL ASSEMBLY SCREW	#8 X 4" P.H./PHIL.		
30	*	AS REQD.	FRAME INSTALLATION SCREWS	#12 X 2 1/4" F.H./PHIL.		
31	*	AS REQD.	SILL ANCHOR CLIP SCREWS	#12 X 2" P.H./PHIL SMS.		
32	HC-058	2	VENT SWEEP LATCH	DIE CAST METAL		
33	*	2	SILL INTER, WEEP FOAM PAD	OPEN CELL		
34	*	1	PRODUCT LABEL			
35	SM5504/5591	AS REQ'D.	ITW ACRYL-R JOINT SEALANT	SELF-LEVELING SEALANT		
36	*	AS REQ'D.	PERIMETER ACRYLIC CAULK	EXTERIOR GRADE CAULK		

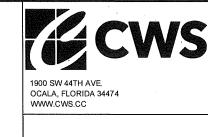


#### LOCK (LIFT AND SWEEP) OPTIONS

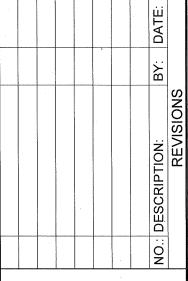
1. BOTH PLASTIC LIFT-LOCK HANDLE AND DIE CAST CAM LOCKS ARE QUALIFIED FOR USE ON ALL WINDOWS. 2. TWO LOCKS ARE REQUIRED PER EACH VENT.

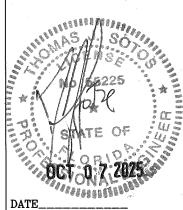


FRAME MULLING DETAIL



# **7200 ALUMINUM HORIZONTAL ROLLER -SMALL MISSILE IMPACT**





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

SHEET DESCRIPTION BILL OF MATERIALS AND MULLION DETAILS

08/12/2025 N. Erazo REV. BY: CWS-1262 SCALE: SHEET 5 OF 6

SEE MULLION APPROVALS FOR MULLION TYPE, SIZE AND MAX. DESIGN PRESSURE LIMITATIONS. NOTE: THE LOWER PRESSURES OF THE WINDOW OR MULL SHALL GOVERN \_1/4" MAX. # 12 S.D.S. X 1 1/4" L. SHIM (SEE ELEVATION AT SHEET #2 FOR MAX. FASTENER SPACING) INTERIOR NOTE: - WINDOW FRAME PERIMETER-1. ALL STEEL IN CONTACT WITH ALUM. TO BE PAINTED OR PLATED. SEALANT EXTERIOR 2. METAL STRUCTURES: A) STEEL: Fy = 36 KSI MIN. (STEEL 18 GA. MIN. THICK - 0.048") B) ALUMINUM: 6063-T6 MIN. (ALUM. 0.078" MIN. THICK) METAL STRUCTURE ATTACHMENT DETAIL

> PRODUCT APPROVED As complying with the Florida Building Code NOA-No. 25-1015.03

Approval Date: 11/13/2025

Miami-Dade Product Control

