

Lawson Industries, Inc. 8501 NW 90 Street Medley, FL 33166

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 "HS-8700 (Flange Frame)" Aluminum Horizontal Sliding Window – L.M.I.

APPROVAL DOCUMENT: Drawing No. **L8700-0901**, titled "HS-8700 Horizontal Rolling Flange Impact Window", sheets 1 through 10 of 10, dated 05/30/09, with revision **G**, dated 01/07/22, prepared by manufacturer, and 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 and renews NOA No. 20-0813.06 and consists of this page 1 and evidence pages E-1,

E-2, E-3, E-4, E-5 and E-6, as well as approval document mentioned above.

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



NOA No. 22-0118.01 Expiration Date: April 11, 2027 Approval Date: February 24, 2022 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)
- Drawing No. L8700-0901, titled "HS-8700 Horizontal Rolling Flange Impact Window", sheets 1 through 10 of 10, dated 05/30/09, with revision F dated 07/31/20, prepared by manufacturer, signed and sealed by Thomas J. Sotos, P.E. (Submitted under NOA No. 20-0813.06)

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, 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)

- 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 an aluminum horizontal sliding window, XOX (1/4-1/2-1/4 and 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)

Nanne Manuel Perez, P.E.

Manuel Perez, P.E. Product Control Examiner NOA No. 22-0118.01 Expiration Date: April 11, 2027 Approval Date: February 24, 2022

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

B. TESTS (CONTINUED)

6.

4. Test reports on: 1) Large Missile Impact Test per FBC, TAS 201-94

2) Cyclic Wind Pressure Loading per FBC, TAS 203-94

along with marked-up drawings and installation diagram of an aluminum horizontal sliding window, XOX (1/4-1/2-1/4 and 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)

5. 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)

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-08-2035, 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)

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Manuel Pérez, P.E. Product Control Examiner NOA No. 22-0118.01 Expiration Date: April 11, 2027 Approval Date: February 24, 2022

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

B. TESTS (CONTINUED)

- 7. 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

- Anchor verification calculations and structural analysis, complying with FBC, prepared by Lawson Industries, Inc., dated 05/28/09, revised on 07/10 and updated on 01/25/12, signed and sealed by Thomas J. Sotos, P.E. (Submitted under NOA No. 12-0127.08)
- 2. Glazing complies with ASTM E1300-09

D. QUALITY ASSURANCE

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

E. MATERIAL CERTIFICATIONS

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

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Manuel Perez, P.E. Product Control Examiner NOA No. 22-0118.01 Expiration Date: April 11, 2027 Approval Date: February 24, 2022

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

F. STATEMENTS

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

(Submitted under NOA No. 20-0813.06)

- Statement letter of no financial interest, dated June 24, 2019, signed and sealed by Thomas J. Sotos, P.E.
 (Submitted under NOA No. 19-0708.09)
- **3.** 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)
- 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)
- 5. 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)

- 6. 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)
- 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. **19-0708.09**, issued to Lawson Industries, Inc. for their Series "HS-8700 (Flange Frame)" Aluminum Horizontal Sliding Window – L.M.I., approved on 08/01/19 and expiring on 04/11/22.

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Manuel Perez, P.E. Product Control Examiner NOA No. 22-0118.01 Expiration Date: April 11, 2027 Approval Date: February 24, 2022

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 G dated 01/07/22, 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) 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.

C. CALCULATIONS

- 1. Anchor verification calculations and structural analysis, complying with FBC, prepared by Lawson Industries, Inc., dated 05/28/09, revised on 07/10 and 01/25/12 and updated on 01/12/22, signed and sealed by Thomas J. Sotos, P.E.
- 2. Glazing complies with ASTM E1300-09/12/16.

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.

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Manuel Perez, P.E. Product Control Examiner NOA No. 22-0118.01 Expiration Date: April 11, 2027 Approval Date: February 24, 2022

2. NEW EVIDENCE SUBMITTED (CONTINUED)

F. STATEMENTS

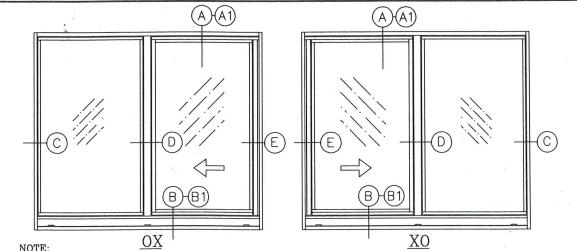
- 1. Statement letter of conformance, complying with FBC 7th Edition (2020), dated January 12, 2022, issued by the manufacturer, signed and sealed by Thomas J. Sotos, P.E.
- 2. Statement letter of no financial interest, dated January 12, 2022, issued by the manufacturer, signed and sealed by Thomas J. Sotos, P.E.
- **3.** Proposal No. **19-1433** issued by the Product Control Section, dated January 15, 2020, signed by Manuel Perez, P.E.

G. OTHERS

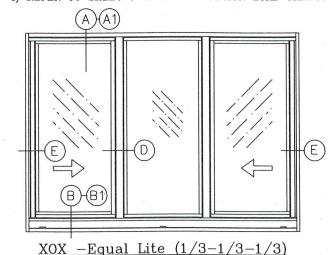
1. Notice of Acceptance No. **20-0813.06**, issued to Lawson Industries, Inc. for their Series "HS-8700 (Flange Frame)" Aluminum Horizontal Sliding Window – L.M.I., approved on 10/08/20 and expiring on 04/11/22.

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Manuel Perez, P.E. Product Control Examiner NOA No. 22-0118.01 Expiration Date: April 11, 2027 Approval Date: February 24, 2022

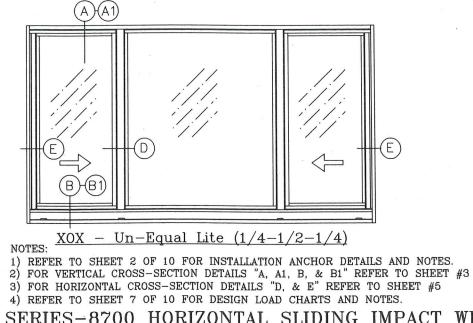


REFER TO SHEET 2 OF 10 FOR INSTALLATION ANCHOR DETAILS AND NOTES.
 FOR VERTICAL CROSS-SECTION DETAILS "A, A1, B, & B1" REFER TO SHEET #3
 FOR HORIZONTAL CROSS-SECTION DETAILS "C, D, & E" REFER TO SHEET #4
 REFER TO SHEET 6 OF 10 FOR DESIGN LOAD CHARTS AND NOTES.





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.

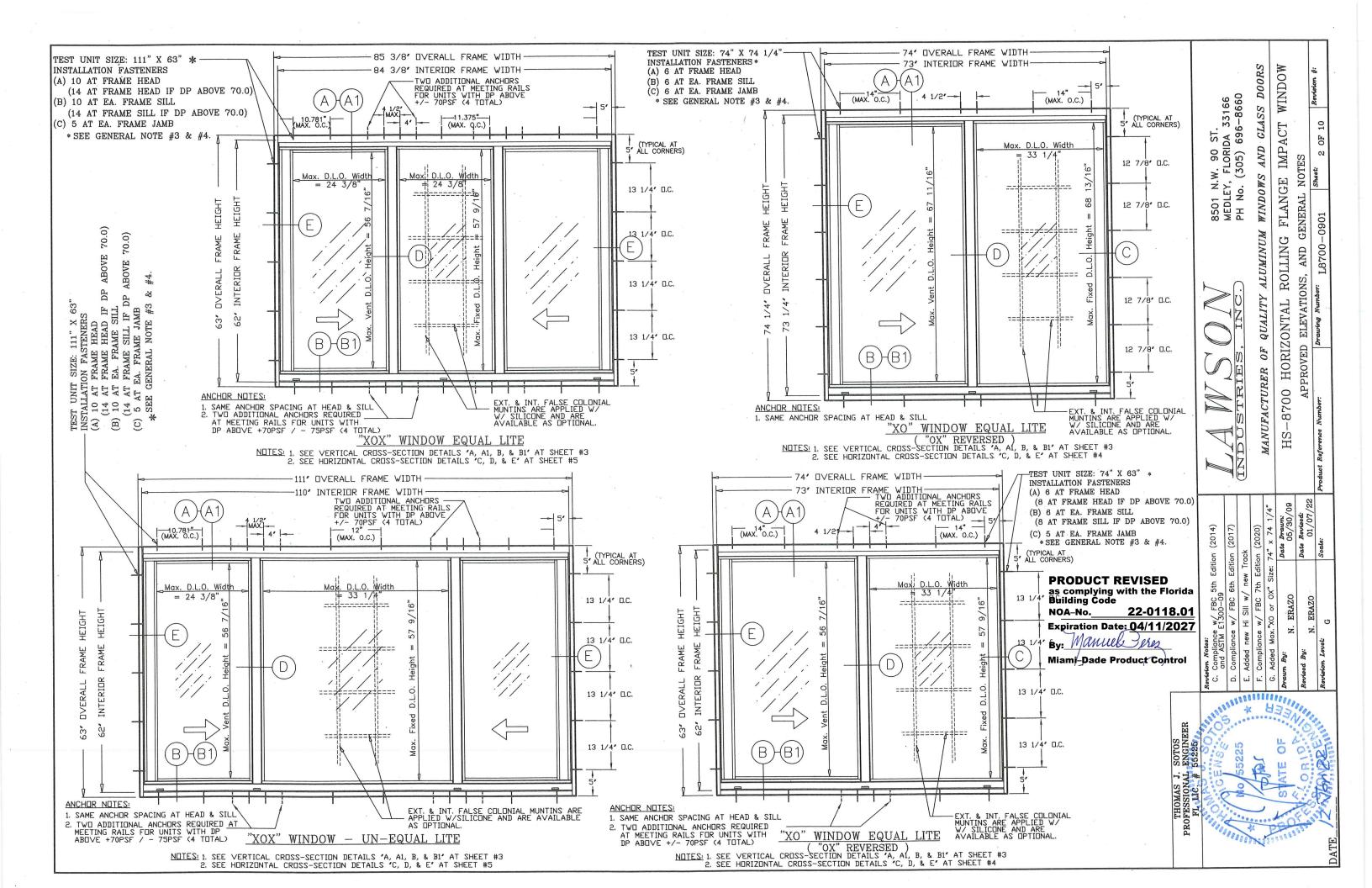


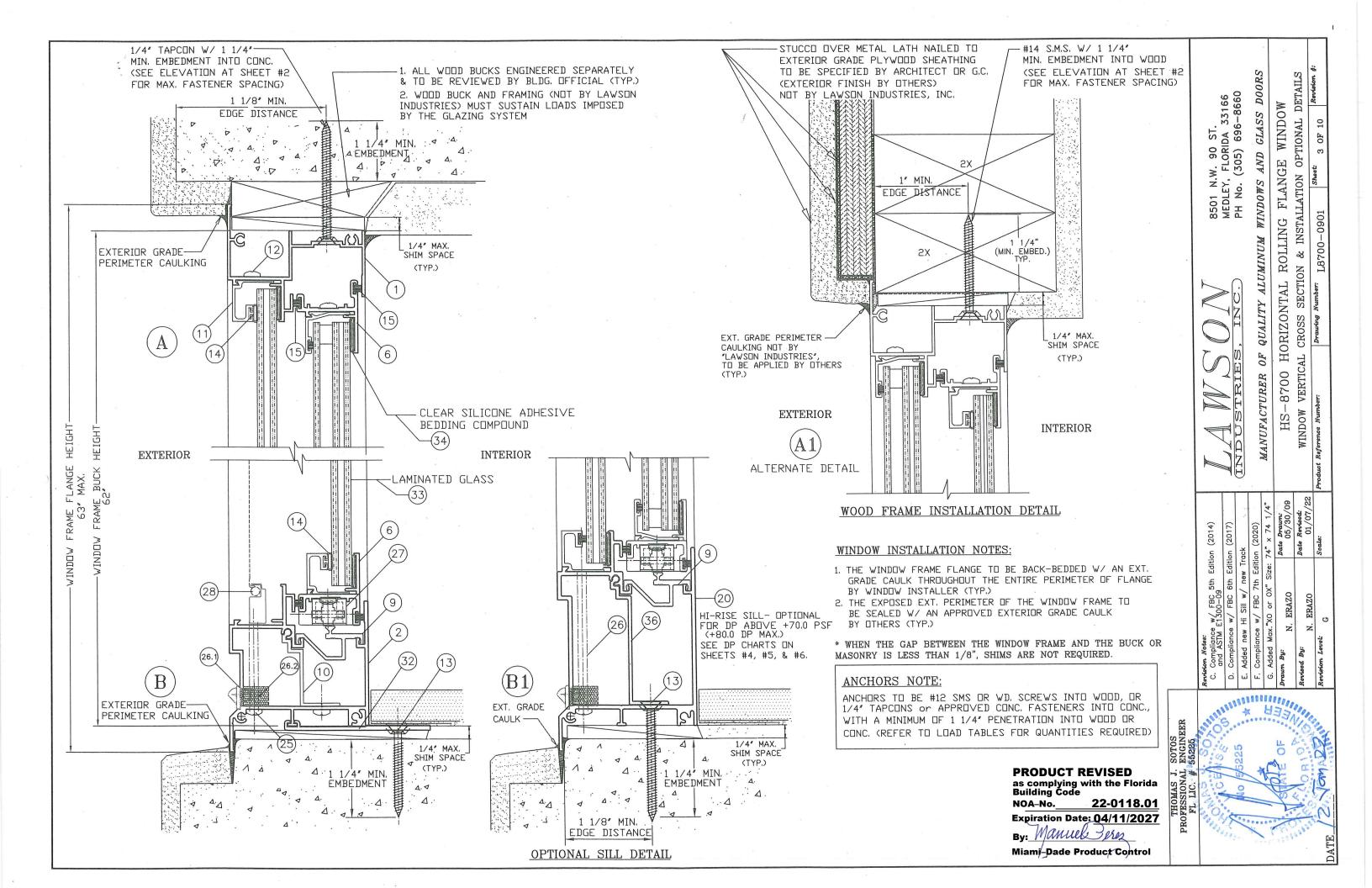
<u>General Notes:</u>

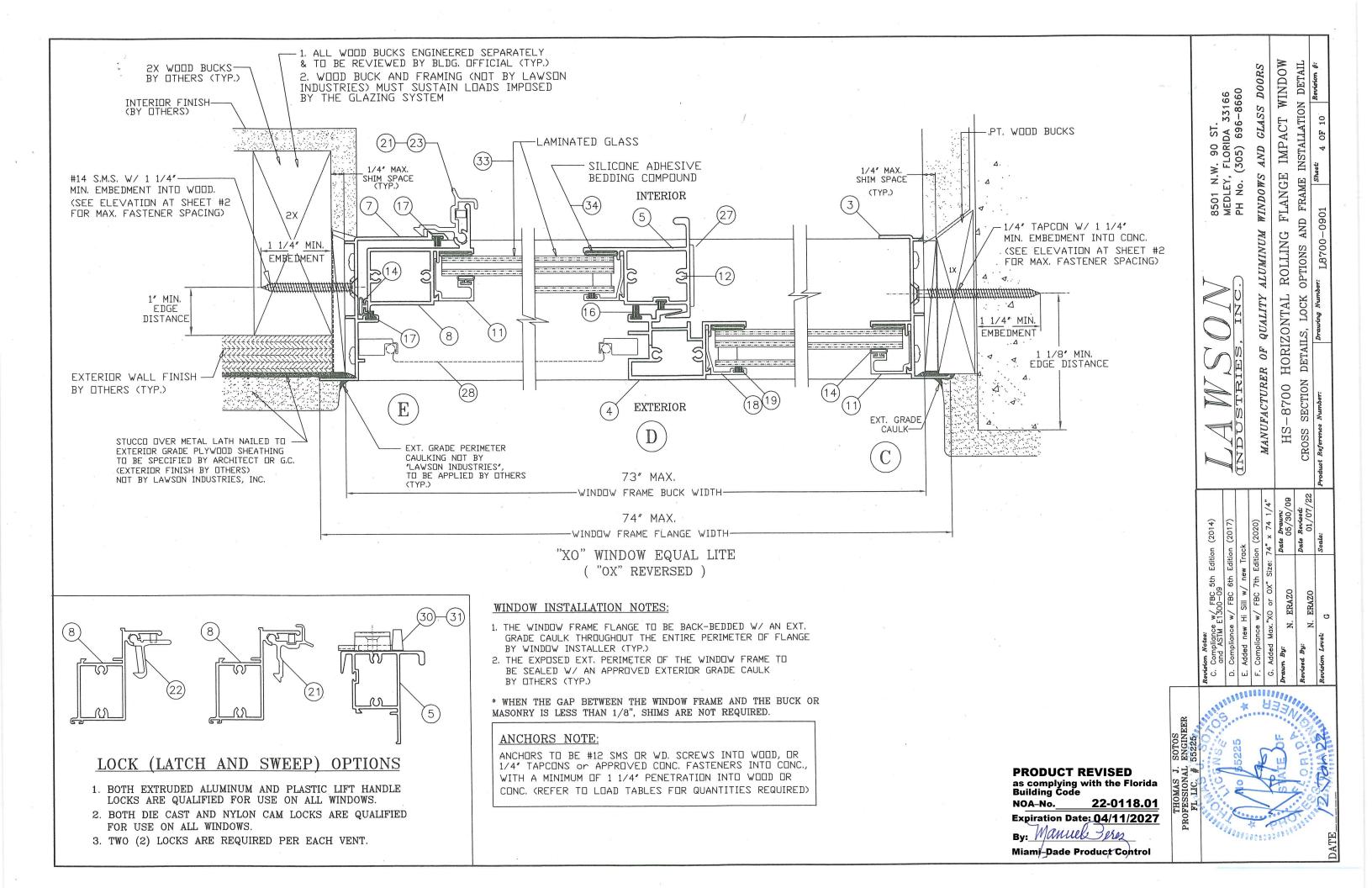
- 1.) THIS WINDOW SYSTEM IS DESIGNED AND TESTED TO COMP OF THE FLORIDA BUILDING CODE (2017-6th Edition & 20 HIGH VELOCITY HURRICANE ZONE (HVHZ) AND ASTM 1300-IMPACT RESISTANT. (SHUTTERS NOT REQUIRED)
- 2.) WOOD BUCKS SHALL BE INSTALLED AND ANCHORED SO TH RESISTS THE SUPERIMPOSED LOADS IN ACCORDANCE WITH OF THE FLORIDA BUILDING CODE & TO BE REVIEWED BY
- 3.) ANCHORS SHOWN ON SHEET 2 OF 10 ARE AS PER TEST ALL WINDOW SIZES ARE NOT TO EXCEED THESE MAXIMUM (O.C.), AND AS TABULATED ON SHEETS 6, 7, or 8.
- 4.) ANCHOR CONDITIONS NOT DESCRIBED IN THESE DRAWING'S ENGINEERED ON A SITE SPECIFIC BASIS, UNDER SEPARAT TO BE REVIEWED BY BUILDING OFFICIAL.
- 5.) WINDOWS ARE QUALIFIED FOR USE WITH SINGLE GLAZE LA TABULATED HEREIN (SEE SHEETS #6, 7, or 8), AND FOR LAMINATED INSULATED GLASS TYPES TABULATED HEREIN
- 6.) WINDOWS WITH GLASS TYPES "A, C, OR G" INSTALLED ABOVE 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" W
- 10.) SEE SHEET 7 FOR DESIGN PRESSURES ON EQUAL-LITE "
- 11.) SEE SHEET 8 FOR DESIGN PRESSURES ON UN-EQUAL LI
- 12.) FOR OPTIONAL FRAME INSTALLATION DETAILS SEE SHEETS
- 13.) EXT. & INT. FALSE COLONIAL MUNTINS ARE OPTIONAL & AND
- 14.) WOOD BUCKS IN CONTACT WITH CONCRETE MUST BE PRESS (BY OTHERS), PRIOR TO WINDOW INSTALLATION. (SEE SHEET & NOTES) WOOD BUCKS TO BE ANCHORED IN COMPLIANCE SECTION 11.3.3.3.
- 15.) APPROVAL APPLIES TO SINGLE UNITS OR SIDE BY SIDE MULLE
- 16.) SEE SHEET # 5 FOR MULLION/METAL ATTACHMENT DETAILS, 1
- 17.) MULLING HORIZONTAL SLIDING WINDOWS WITH OTHER TYPES O WINDOWS USING A MIAMI-DADE COUNTY APPROVED MULLION I THE LOWER DESIGN PRESSURE FROM THE WINDOWS OR MULLI ENTIRE MULLED SYSTEM.

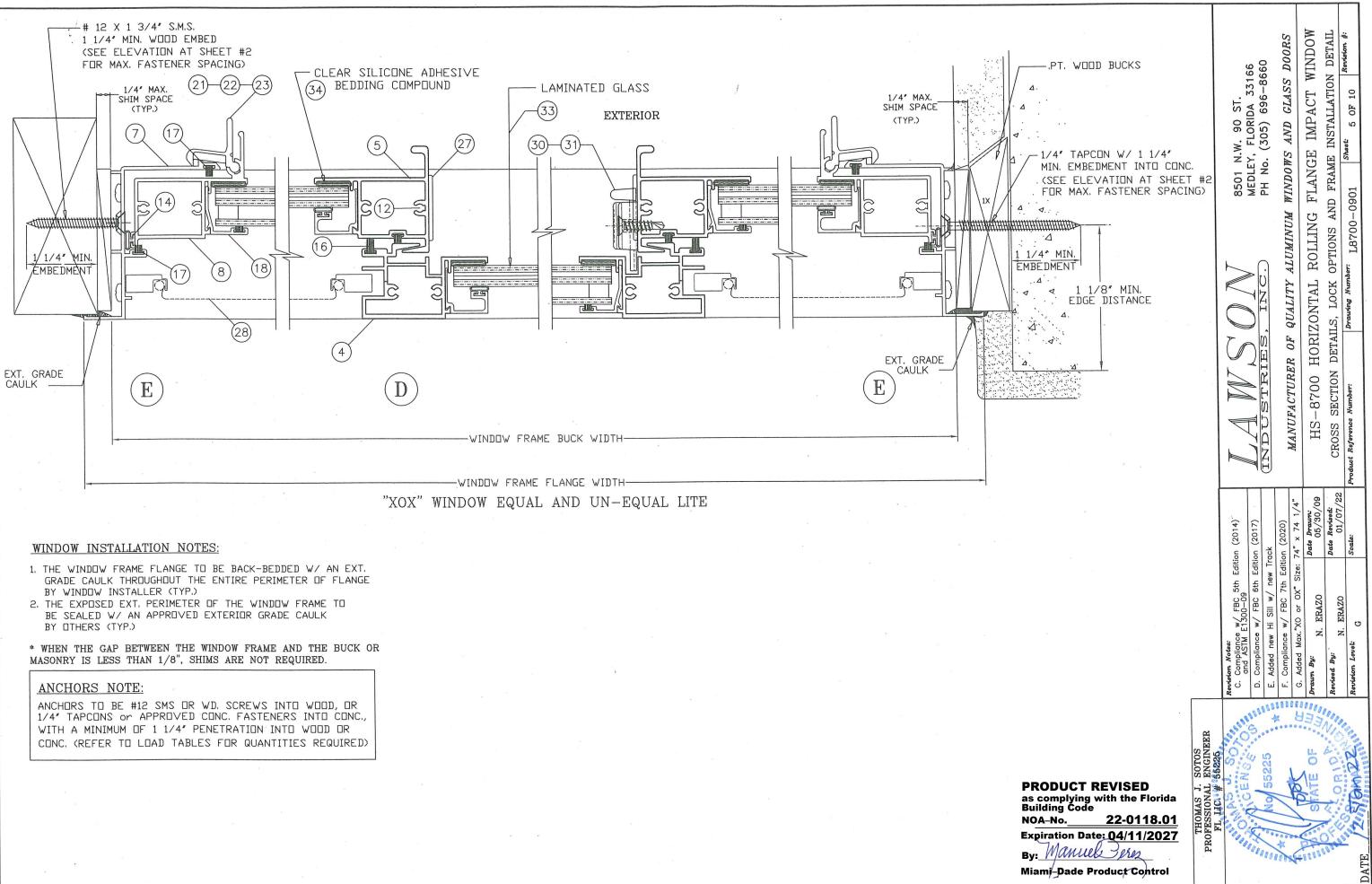
SERIES-8700 HORIZONTAL SLIDING IMPACT WINDOW APPROVED ELEVATIONS

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PLY WITH THE REQUIREMENTS 020-7th Edition, INCLUDING 0-09. THIS PRODUCT IS HAT THE BUILDING I THE REQUIREMENTS BUILDING OFFICIAL. UNITS. ANCHORS ON		V. 90 ST.	MEULET, FLUKINA 33199 PH No. (305) 696-8660	SHOU SSFID UNF SMUUNIM MINIMITI AMITTIC		HS-8700 HORIZONTAL ROLLING FLANGE IMPACT WINDOW		iet: 1 OF 10 Revision &:
SPACINGS ON CENTER 'S ARE TO BE TE APPROVAL AND AMINATED GLASS TYPES		8501 N.W. 90	PH No. (SWOUNIW MIII		NG FLANGE	D GENERAL NOTES	L8700-0901 Sheet:
USE WITH DOUBLE GLAZE (SEE SHEETs #6, 7 or 8). E 30FT. D. VINDOWS.		N C	, INC.)		NUALII ALUMI	IZONTAL ROLLI	APPROVED ELEVATIONS, AND	Drawing Number: L870
"XOX" WINDOWS. TE "XOX" WINDOWS. S 3, 4, or 9. ARE APPLIED W/ SILICONE SURE TREATED AND ANCHORED T #3, 4 & 5 FOR DETAILS WITH THE FBC CHAPTER 24 ED UNITS. NOTES & OPTIONS.		T A W S	INDUSTRIES		MANUFACTURER UF	HS-8700 HORI	APPROVE	Product Reference Number:
OF MIAMI-DADE COUNTY APPROVED IN BETWEEN ARE ACCEPTABLE BU ION APPROVAL WILL APPLY TO TH	Т	5th Edition (2014)	on (2017) Jock	on (2020)	74" × 74 1/4"	Date Drawn: 05/30/09	Date Revised: 01 /07 /99	
		Revision Notes: C. Compliance w/ FBC 5th Edition and ASTM E1300-09		FBC 7	G. Added Max."XO or OX" Size: 74"			Revision Level: G
PRODUCT REVISED	J. SOTOS LL ENGINEER #55225	N.S.OTH	11111 9922		20	TE OF	NISOIO	- ANS - AN
	THOMAS J. PROFESSIONAL FL. LIC: #	A Williams			1 : N	TATA STAT	a building	DATE /2 Mai

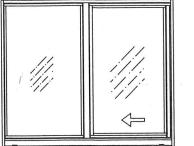


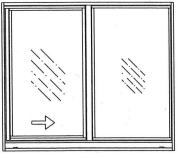




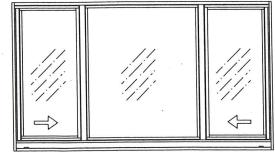


				1		,		DES	IGN LOAD	CAPACITY (P		Y XO WINDO	WS					
		#	# H&S	Glass Type	- "A" (* 9)	Glass Type	"D" (* 7)	Glass Type	1/× 0)	+ / - Pressu Glass Type		Glass Type	"E" (* 2)	Glass Type	. """ (* 2)	Glass Type	אינעיי (* 2)	6 50 <i>DOORS</i> INDOW
	HEIGHT	Jamb Anchors	H & S Anchors	+ psf	- psť	Glass Type + psf	- psť	Glass Type ≁ ps1	- psf	+ psf	- psf	+ psf	- psf	+ psf	- psî	+ psf	- psť	166 1660 <i>S DOORS</i> WINDOW
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	80.0	60.0	60.0	N D 00
36	24	3	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	60.0	60.0	
48	24	3	6	65.0	65.0	65.0	65.0	70.0	70.0	70.0	70.0	80.0	80.0	80.0	80.0	60.0	60.0	ST. A 3316 596-866 <i>GLASS</i> ICT W
.60	24	3	6	65.0	65.0	65.0	65.0	70.0	70.0	70.0	70.0	80.0	80.0	80.0	80.0	60.0	60.0	C C SI
72	24	3	6	65.0	65.0	65.0	65.0	70.0	70.0	70.0	70.0	80.0	80.0	80.0	80.0	60.0	60.0	
24	36	3	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	60.0	60.0	90 90 05) <i>AND</i> IMP.
36	36	3	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	60.0	60.0	I S (34.
48	36	3	6	65.0	65.0	65.0	65.0	70.0	70.0	70.0	70.0	80.0	80.0	80.0	80.0	60.0	60.0	ZY. SET
60	36	3	6	65.0	65.0	65.0	65.0	70.0	70.0	70.0	70.0	80.0	80.0	80.0	80.0	60.0	60.0	N B Y S Z
72	36	3	6	65.0	65.0	65.0	65.0	70.0	70.0	70.0	70.0	80.0	80.0	80.0	80.0	60.0	60.0	8501 N.W MEDLEY, F PH No. (3 <i>WINDOWS</i> FLANGE
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	60.0	60.0	
36	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	60.0	60.0 60.0	U N D
48	48	4	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	80.0	60.0 60.0	60.0	N N
60	48	4	6	65.0	65.0	65.0		70.0 70.0	70.0	70.0	70.0	80.0	80.0	80.0	80.0	60.0	60.0	
72	<u>48</u> 60	4	6	65.0 65.0	65.0 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	60.0	60.0	ALUMINUI
24 36	<u> </u>	5	4	65.0	65.0	65.0	65.0	70.0	70.0	70.0	70.0	80.0	80.0	80.0	80.0	60.0	60.0	
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	80.0	60.0	60.0	
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	80.0	60.0	60.0	ER OF QUALITY HORIZONTAL
72	60	5	6	65.0	65.0	65.0	65.0	70.0	70.0	70.0	70.0	-	-	-	-	60.0	60.0	I I I I
24	72	5	4	-	_	-	_	-	-	60.0	60.0	60.0	60.0	_	-	60.0	60.0	
36	72	5	4	-	-	-	-	-	-	60.0	60.0	60.0	60.0	-	-	60.0	60.0	KII OF
48	72	5	6	-		-	-	-	-	60.0	60.0	60.0	60.0	-	-	60.0	60.0	
60	72	5	6	-	-	-	-	-	-	60.0	60.0	60.0	60.0	-	-	60.0	60.0	MANUFACTURER HS-8700 HO
72	72	5	6	-	-	-	-	-		60.0	60.0	60.0	60.0	-		60.0	60.0	
26.5	26	3	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	60.0	60.0	FACTUI 8700
37	26	3	- 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	60.0	60.0	0 2 0
53.125	26	3	6	65.0	65.0	65.0	65.0	70.0	70.0	70.0	70.0	80.0	80.0	80.0	80.0	60.0	60.0	
74	· 26	3	6	65.0	65.0	65.0	65.0	70.0	70.0	70.0	70.0	80.0	80.0	80.0	80.0	60.0	60.0	HS HS
26.5	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	60.0	60.0	
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	60.0	60.0	
53.125	38.375	4	6	65.0	65.0	65.0	65.0	70.0	70.0	70.0	70.0	80.0	80.0	80.0	80.0	60.0	60.0	
74	38.375	4	8	65.0	65.0	65.0	65.0	70.0	70.0	70.0	70.0	80.0	80.0	80.0	80.0	60.0	60.0	
26.5	50.625	5	4	65.0	65.0	65.0	65.0	70.0	70.0	70.0	70.0	80.0	80.0	80.0	80.0	60.0 60.0	60.0 60.0	
37	50.625	5	4	65.0	65.0	65.0	65.0	70.0	70.0	70.0	70.0	80.0	80.0	80.0	80.0			
53.125	50.625	5	6	65.0	65.0	65.0	65.0	70.0	70.0	70.0 70.0	70.0	80.0 80.0	80.0	80.0 80.0	80.0 80.0	60.0 60.0	60.0 60.0	114) 117) 117) 117) 117)
74	50.625	5	8	65.0	65.0	65.0	65.0	70.0	70.0			80.0	80.0	80.0	80.0	60.0	60.0	(201- (201- (202(05, 05)
26.5 37	<u>58</u> 58	5	4	65.0 65.0	65.0 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	60.0	60.0	Dack ion
<u>37</u> 53.125	58	5	6	65.0	65.0	65.0	65.0	70.0	70.0	70.0	70.0	80.0	80.0	80.0	80.0	60.0	60.0	
74	58	5	8	65.0	65.0	65.0	65.0	70.0	70.0	70.0	70.0	80.0	80.0	80.0	80.0	60.0	60.0	7th I
26.5	63	6	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	60.0	60.0	
37	63	6	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	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	80.0	. 60.0	60.0	. E13(
74	63	6	6	65.0	65.0	65.0	65.0	65.0	70.0	-	-	-	-	-	-	60.0	60.0	N. N
26.5	74 1/4	6	4	-	-	-		-	-	60.0	60.0	60.0	60.0	-	-	60.0	60.0	ASI ASI Alian M M
37	74 1/4	6	4	-	-	-	_	_		60.0	60.0	60.0	60.0	-	-	60.0	60.0	
53.125	74 1/4	6	6	-	-	-	-	-		60.0	60.0	60.0	60.0		-	60.0	60.0	A C A C C
74	74 1/4	6	6	-	-	-	-	-	-	60.0	60.0	60.0	60.0	-	-	60.0	60.0	

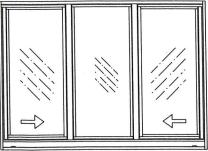


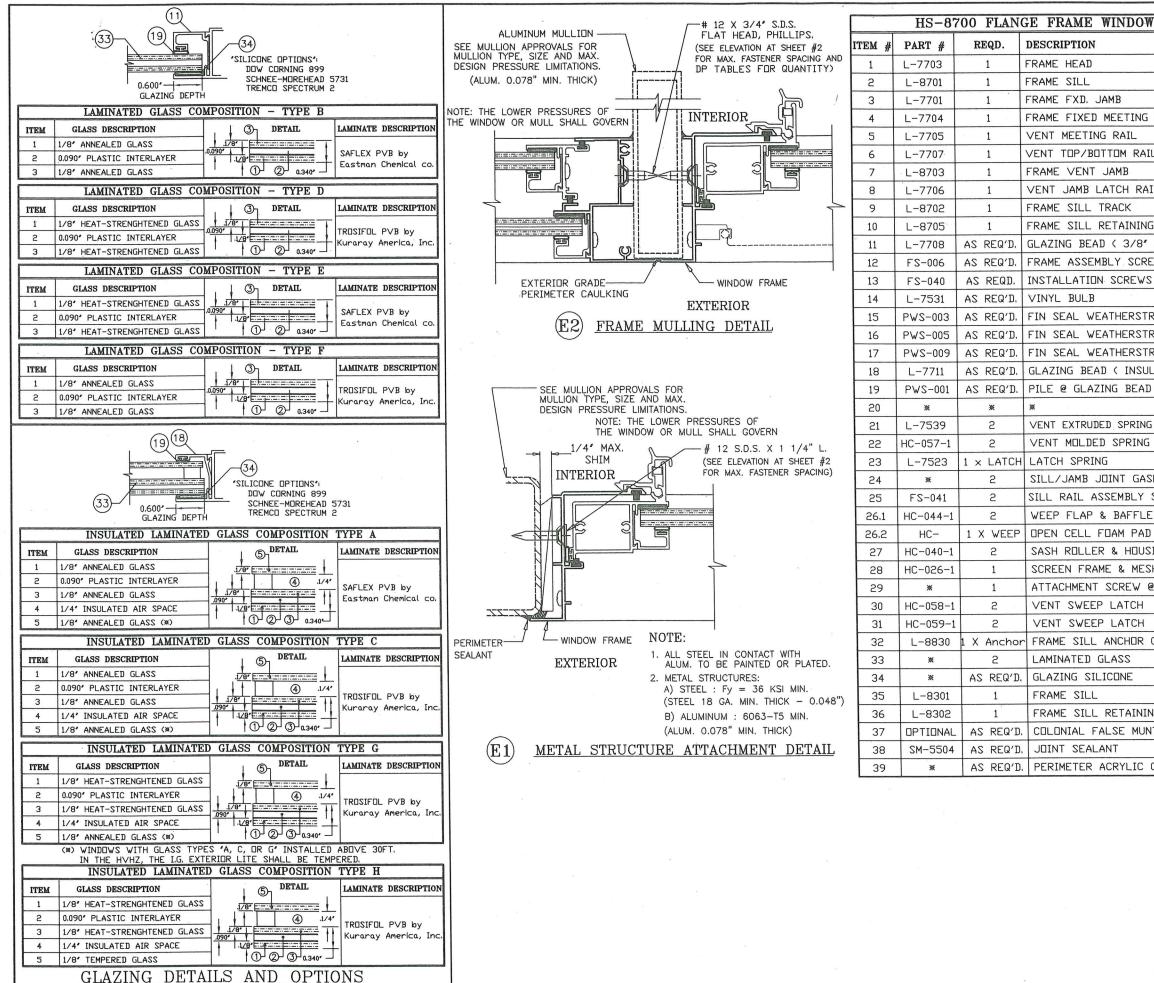


i.	1					DESIGN	LOAD CA	PACITY (PS	SF) - XOX V	VINDOWS W	vith Un-Equ	al Lite (1/4-	1/2-1/4)			
	Ý							2	+ / - Press							SS
FRAME	SIZE	# Jamb	#H&S	Glass Type	e "B" (* 2)	Glass Type	€ "C" (* 2)	Glass Type	∍ "D" (* 2)	Glass Type	e "E" (* 3)	Glass Typ	e "F" (* 3)	Glass Type	∋"G" (* 2)	166 3660 <u>'S DOORS</u> WINDOW
	HEIGHT	Anchors	Anchors	+ 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	ST. (A 33166 596-8660 <i>GLASS D</i> ACT WIN 1al LITTE)
72	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	. 33. 37 7
84	24	3	8	80.0	80.0	80.0	80.0	65.0	75.0	65.0	75.0	52.0	52.0	65.0	75.0	8501 N.W. 90 ST. MEDLEY, FLORIDA 3. PH No. (305) 696- <i>WINDOWS AND GLA</i> FLANGE IMPACT
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	90 (1000) 90 (1000) 905) 6 4 <i>ND</i> 1MPA
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	N.W. Y, FL . (30 <i>WS A</i> <i>WS A</i> <i>WS A</i>
60	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	8501 N.W MEDLEY, PH No. (; <i>WINDOWS</i> ALANGE
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	8501 N.N. MEDLEY, PH No. (WINDOWS FLANGE
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	8501 MEDLE PH N <i>WIND</i> FLAN
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	10.0		52.0	52.0	65.0	75.0	65.0	75.0	52.0	52.0	65.0	75.0	UNU INUM
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		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	ALUMINU
84	48 48	4	8		73.0	52.0	52.0	65.0	75.0	65.0	75.0	52.0	52.0	65.0	75.0	AL
96	48	4	10	=		52.0	52.0	65.0	75.0	65.0	75.0	52.0	52.0	65.0	75.0	
		4			-	52.0	52.0	65.0	75.0	65.0	75.0	52.0	52.0	65.0	75.0	ER OF QUALITY HORIZONTAL
108	48	and the second se	11		· · · · ·		52.0	65.0	75.0	65.0	75.0	52.0	52.0	65.0	75.0	ZONTL
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	OF OF
84	60	5	8			52.0			75.0	65.0	75.0	52.0	52.0	65.0	75.0	HOR O.
96	60	5	10		-	52.0	52.0	65.0		65.0	75.0	52.0	52.0	65.0	75.0	
108	60	5	11	-	-	52.0	52.0	65.0	75.0		and the second	52.0	52.0	65.0	75.0	TW STR. B700
74	26	3	7	80.0	80.0	80.0	80.0	65.0	75.0	65.0	75.0			65.0	75.0	87.80
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			HS
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	et: 1/4
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	1 14) 174 5/3 5/3
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	Day 14, 19
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	Edit Edit Size:
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	X ¹ h
106.25	58	5	11	-	-	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	ER. 00 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	1 Mc
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	Buy: Comp
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	



FRAME						DESIG	IN LOAD C	APACITY (PSF) - XOX	WINDOWS	with Equal	Lite (1/3-1/3	3-1/3)			• 20 (a)
EDAME									+/-Press	and the second						166 1660 <u>S DOORS</u> WINDOW
		# Jamb	#H&S	Glass Type	e "B" (* 2)	Glass Type	• "C" (* 2)	Glass Type	e "D" (* 2)	Glass Type		Glass Type		Glass Type		66 60 7 <i>D001</i>
WIDTH	HEIGHT	Anchors	Anchors	+ psf	- psf	+ psf	- psf	+ psf	- psf	+ psf	- psf	+ psf	- psf	+ psf	- psf	316 -86(W
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	ST. DA 33166 696-8660 <i>61ASS D</i> ACT WIN
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	8501 N.W. 90 ST. Medley, florida 3 Ph No. (305) 696- <i>windows and cla</i> FLANGE IMPACT
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	1. 9 1. 9 1. 1. 9 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1
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	GE (N.V
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	8501 N.W MEDLEY, F PH No. (3 <i>WINDOWS</i> FLANGE
84	36	3	9	-	-	52.0	52.0	65.0	75.0	65.0	75.0	52.0	52.0	65.0	75.0	PL WI
60	48	4	7	=	, a	52.0	52.0	65.0	75.0	65.0	75.0	52.0	52.0	65.0	75.0	G. N
72	48	4	9	-	-	52.0	52.0	65.0	75.0	65.0	75.0	52.0	52.0	65.0	75.0	T ALUMINUI
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.Ó	52.0	52.0	65.0	75.0	AL
84	60	5	9		=	52.0	52.0	65.0	75.0	65.0	75.0	52.0	52.0	65.0	75.0	ER OF QUALITY HORIZONTAL
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	OR 0 NI
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	TTR STR IFACTUI
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	HS-H
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	H TA W
74	50.625	4	9	ч.	=	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	(08
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	(1) (1) (2) (3) (30)
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	(201 (201 (202 05
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	ttion ttion 10a
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	N Ed.
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	FB / FB / FB
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	N. X.
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	Motes: Notes: AST AST AST AST AST AST AST AST AST AST
84	58	5	9	-	=	52.0	52.0	65.0	75.0	65.0	75.0	52.0	52.0	65.0	75.0	Addi Addi Addi Addi
84	63	5	9	-	=	52.0	52.0	65.0	75.0	65.0	75.0	52.0	52.0	65.0	75.0	Prese C. C. Prese





								T	- - -
BILI	OF MATERIALS				C	2	HORIZONTALL ROLLING FLANGE IMPACT WINDOW		
	REMARKS				20	CULOU CCELO UNE CNUUNIN	Ã		Revision #:
	6063-T6 ALUMINUM		L.	° 0			IIN		erter
1	6063-T6 ALUMINUM		4	MEDLEY, FLUKIUA 32100 PH No. (305) 696-8660	C	2		ł	~
	6063-T6 ALUMINUM			ç j	1	THE	5	IS	10
RAIL	6063-T6 ALUMINUM		ST	69	ζ	5	PA	RIA	OF
	6063-T6 ALUMINUM		06			ND	IM	TE	8
IL	6063-T6 ALUMINUM		> i	30 1		R	G	M	ţ;
	6063-T6 ALUMINUM			ر ج ج			5	OF MATERIALS	Sheet:
IL	6063-T6 ALUMINUM		5	Ч Х Х		na	AN	4	
	6063-T5 ALUMINUM		850	PH		VIA	FL	BILL	E
G CLIP	6063-T5 ALUMINUM					4	75	ઝ	L8700-0901
)	6063-T5 ALUMINUM					I U I	N	Ŋ	
EWS	#8 X 3/4" P.H. PHILLIPS				1	VIR	[T]	'AII	220
2	#14 SMS F.H./PHIL.					NO.	0)ET	LB
	1/4" DIA. BULB #3033		\vdash	\cap	۱ i	A	H		ä
RIP	.187″ w x .230″ h	-11		≥ 0		LL	LL	OF	nup
RIP	.187" w x .350" h			۶P		TT	LA	JLL	W B
RIP	.187" w x .310" h			H		QUALITY ALUMINUM	N	JM	Drawing Number:
LATED)	6063-T5 ALUMINUM						ZC	GLAZING DETAILS, MULLION DETAILS	Ł
	.187" w x .150" h		TA	50		OF	RI	AII	Ľ.
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SKET	1/16' CLOSED CELL FOAM			YD		MA	E		ferren
SCREW	#8 X 2 1/4" P.H./PHIL.			Z		1	SERIES-8700		Product Reference Number:
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).	1/2" X 1/2" X 2" L.					ġ.			Ł
SING	*					*	60	/22	
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	6063-T6 ALUMINUM		w/ FBC E1300-09	M	H S		E		
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Expira	tion Date: <u>04/11/2027</u>	PRO	63	2		000	SP	0	10000
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