

#### DEPARTMENT OF REGULATORY AND ECONOMIC RESOURCES (RER) BOARD AND CODE ADMINISTRATION DIVISION NOTICE OF ACCEPTANCE (NOA)

Florida Storm Panel Supply 14475 NW 26<sup>th</sup> Ave Opa Locka, FL 33054

#### 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 "FIW - 2004 - SH" Aluminum Single Hung Window – L.M.I.

**APPROVAL DOCUMENT:** Drawing No. **AD23-39**, titled "Series FIW-2004 SH Aluminum Single Hung Window – L.M.I.", sheets 1 through 7 of 7, dated 10/18/23, prepared by MCY Engineering, Inc., signed and sealed by Yiping Wang, 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, model/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. 04-0826.02 and consists of this page 1 and evidence pages E-1,

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

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



3/5/24

NOA No. 23-1103.02 Expiration Date: March 14, 2029 Approval Date: March 14, 2024 Page 1

# **NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED**

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

#### A. DRAWINGS

- 1. Manufacturer's die drawings and sections. *(Submitted under NOA No. 04-0826.02)*
- Drawing No SH-1, titled "Single Hung Window Series FIW 2004 SH Large Missile Impact Resistant," sheets 1 through 5 of 5, dated 03/24/05, prepared by Francisco Hernandez, P.E., P.A. Structural Engineering, signed and sealed by Francisco Hernandez, P.E. (Submitted under NOA No. 04-0826.02)

#### **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 an aluminum single hung window, prepared by Fenestration Testing Laboratory, Inc., Test Report No. **FTL-4004**, dated 04/22/04, signed and sealed by Edmundo J. Largaespada, P.E. *(Submitted under NOA No. 04-0826.02)* 

# C. CALCULATIONS

- Anchor Calculations, ASTM- E1300, and structural analysis, prepared by Francisco Hernandez, P.E., P.A. Structural Engineering, dated 06/10/04, signed and sealed by Francisco Hernandez, P.E.
  (Submitted under NOA No. 04-0826.02)
- 2. Glazing complies with ASTM E1300

#### D. QUALITY ASSURANCE

**1.** Miami Dade Building Code Compliance Office (BCCO).

#### E. MATERIAL CERTIFICATIONS

- 1. Notice of Acceptance No. 01-1204.01, issued to E.I. DuPont DeNemours for their "Sentry Glass <sup>®</sup> Plus", approved on 01/17/02 and expiring on 01/14/07.
- 2. Notice of Acceptance No. 02-0828.15, issued to E.I. DuPont DeNemours for their "DuPont Butacite ® PVB Material", approved on 11/21/02 and expiring on 12/11/05.

Manue Manuel Perez, P.E

Product Control Examiner NOA No. 23-1103.02 Expiration Date: March 14, 2029 Approval Date: March 14, 2024

# **NOTICE OF ACCEPTANCE:** EVIDENCE SUBMITTED

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

## F. STATEMENTS

1. Statement letter of conformance, complying with **FBC 2004**, dated July 10, 2004, issued by Francisco Hernandez, P.E., P.A. Structural Engineering, signed and sealed by Francisco Hernandez, P.E.

## (Submitted under NOA No. 04-0826.02)

 Statement letter of no financial interest, dated July 10, 2004, issued by Francisco Hernandez, P.E., P.A. Structural Engineering, signed and sealed by Francisco Hernandez, P.E. (Submitted under NOA No. 04-0826.02)

# G. OTHERS

1. None.

# 2. NEW EVIDENCE SUBMITTED

## A. DRAWINGS

 Drawing No. AD23-39, titled "Series FIW-2004 SH Aluminum Single Hung Window - L.M.I.", sheets 1 through 7 of 7, dated 10/18/23, prepared by MCY Engineering, Inc., signed and sealed by Yiping Wang, P.E.

# B. TESTS

1. None

# C. CALCULATIONS

- Anchor verification calculations and structural analysis, complying with FBC 7<sup>th</sup> Edition (2020) and FBC 8<sup>th</sup> Edition (2023), dated 10/26/23, prepared by MCY Engineering, Inc., signed and sealed by Yiping Wang, P.E.
- 2. Glazing complies with ASTM E1300-16

# D. QUALITY ASSURANCE

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

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Manuel Perez, P.E. Product Control Examiner NOA No. 23-1103.02 Expiration Date: March 14, 2029 Approval Date: March 14, 2024

# **NOTICE OF ACCEPTANCE:** EVIDENCE SUBMITTED

#### 2. NEW EVIDENCE SUBMITTED (CONTINUED)

#### E. MATERIAL CERTIFICATIONS

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

## F. STATEMENTS

- 1. Statement letter of conformance, complying with FBC 7<sup>th</sup> Edition (2020), with FBC 8<sup>th</sup> Edition (2023), dated October 27, 2023, issued by MCY Engineering, Inc., signed and sealed by Yiping Wang, P.E.
- 2. Statement letter of no financial interest, dated October 27, 2023, issued by MCY Engineering, Inc., signed and sealed by Yiping Wang, P.E.
- **3.** Sales of Assets Agreement dated December 18, 2023, signed by Mr. Enrique (Henry) Revilla and Mr. Mauricio Mosquera.
- 4. Letter from owners of existing NOA stating that they have sold all assets to the applicant, that they no longer manufacture the product and relinquish their rights to the current NOA, dated December 18, 2023, signed by Mr. Enrique (Henry) Revilla.

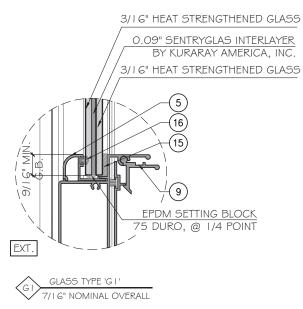
# G. OTHERS

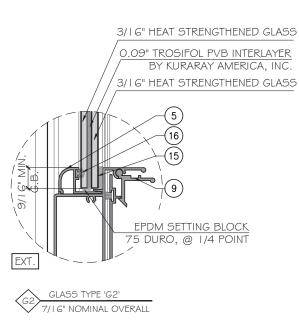
1. Notice of Acceptance No. 04-0826.02, issued to Florida Impact Window Manufacturing, Inc. for their Series FIW – 2004 - SH Aluminum Single Hung Window – L.M.I., approved on 04/14/05 and expiring on 04/14/10.

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Manuel Perez, P.E. Product Control Examiner NOA No. 23-1103.02 Expiration Date: March 14, 2029 Approval Date: March 14, 2024

# FLORIDA STORM PANEL SUPPLY SERIES FIW-2004 SH ALUMINUM SINGLE HUNG WINDOW L.M.I.





#### GENERAL NOTES:

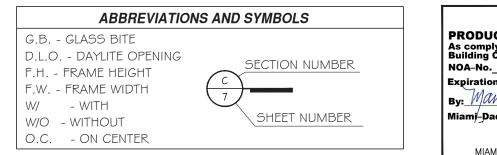
- THIS PRODUCT HAS BEEN DESIGNED AND TESTED TO COMPLY WITH THE REQUIREMENTS OF THE 7TH EDITION OF FLORIDA BUILDING CODE 2020/ 8TH EDITION OF FLORIDA BUILDING CODE 2023 INCLUDING HIGH VELOCITY HURRICANE ZONE (HVHZ).
- PRODUCTS ARE RATED FOR LARGE MISSILE IMPACT. IMPACT SHUTTERS ARE NOT REQUIRED.
- PRODUCTS ARE APPROVED FOR AIR AND WATER RESISTANCE.
- ANCHORS SHALL BE AS LISTED, SPACED AS SHOWN ON DETAILS. ANCHORS EMBEDMENT TO BASE MATERIAL SHALL BE BEYOND WALL DRESSING OR STUCCO.
- ANCHORING OR LOADING CONDITIONS NOT SHOWN IN THESE DETAILS ARE NOT PART OF THIS APPROVAL.
- MATERIALS INCLUDING BUT NOT LIMITED TO STEEL/ METAL SCREWS THAT COME INTO CONTACT WITH OTHER DISSIMILAR MATERIALS SHALL MEET THE REQUIREMENTS OF THE 7TH EDITION OF FLORIDA BUILDING CODE 2020/ 8TH EDITION OF FLORIDA BUILDING CODE 2023 SECTION AS APPLICABLE.
- METAL STRUCTURES BY OTHERS TO BE DESIGNED TO SUPPORT THE LOADS IMPOSED BY THIS GLAZING SYSTEM AND TO TRANSFER SUCH LOADS TO THE BUILDING MAIN STRUCTURE.
- ULTIMATE LOAD OBTAINED FROM ASCE 7-16/ ASCE 7-22, MULTIPLY BY 0.6 SHALL BE LESS THAN OR EQUAL TO MAX. DESIGN LOAD IN THIS DOCUMENT. THE DESIGN LOADS SHOWN IN THIS DOCUMENT ARE ALLOWABLE DESIGN LOADS.
- MANUFACTURER'S LABEL SHALL BE LOCATED ON A READILY VISIBLE LOCATION IN ACCORDANCE WITH SECTION 1709.9.3 OF FLORIDA BUILDING CODE LABELING TO COMPLY WITH SECTION 1709.9.2.
- SEALANT:

ALL FRAME CORNERS, JOINTS, MULLION SEAMS AND PERIMETER GLAZING BEAD TO FRAME INSTALLATION FASTENERS SEALED WITH SILICONE SEALANT.

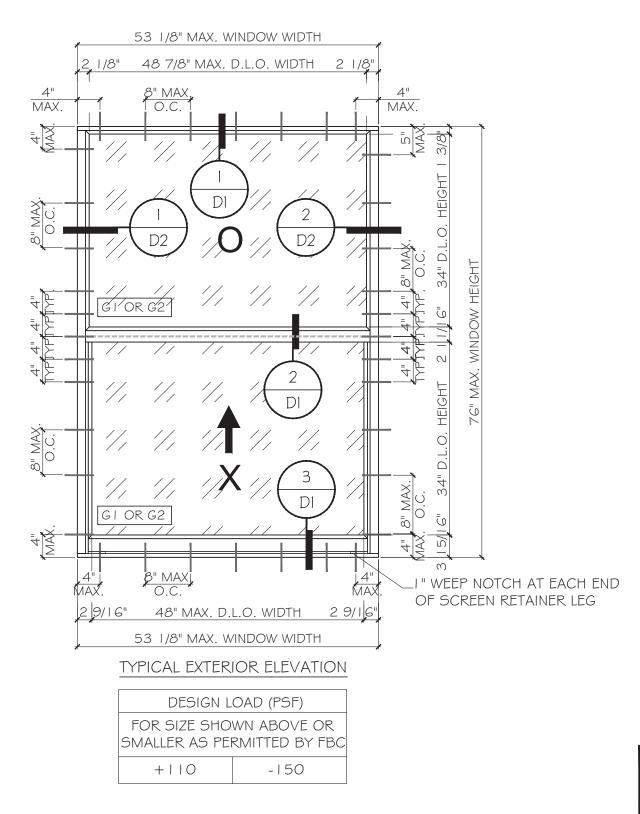
NOTE: GLASS COMPLIES (3 SEC. GUSTS).

USE CHARTS AS FOLLOWS.

- STEP I: DETERMINE DESIGN WIND LOAD REQUIREMENTS BASED C VELOCITY, BLDG. HEIGHT, WIND ZONE USING APPLICABLE 7-22 STANDARD OR WIND TUNNEL REPORTS.
- STEP 2: SEE SHEET EI FOR APPROVED TYPICAL ELEVATION & CON
- STEP 3: ANCHOR OPTION SEE SHEET A I . ANCHOR LAYOUT SEE S
- STEP 4: THE LOWEST VALUE RESULTING FROM STEPS 2 \$ 3 THAT WIND PRESSURES DETERMINED THRU STEP 1 SHALL APPL SYSTEM.

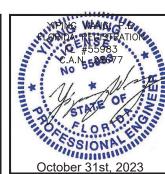


	M MCY ENGINEERING, INC.		12781 MIRAMAR PKWY #301	— MIRAMAR, FL. 33027 P: 305.271.0117	www.MCYEngineering.com MCY@mcyengineering.com
WITH ASTM E1300-16 ON WIND E ASCE 7-16/ ASCE	SERIES FIW-2004 SH ALUMINUM SINGLE HUNG WINDOW - L.M.I.	FLORIDA STORM PANEL SUPPLY	14475 NW 26TH AVENUE	OPA LOCKA FL 33054	TEL. 305-685-9000 EMAIL. DANIEL.M@FSPSALUMINUM.COM
NFIGURATION. SHEET E I . " EXCEED THE DESIGN "LY TO ENTIRE				10.18.2023 James RENEWAL	Date Drawn Description
UCT REVISED publing with the Florida g Code o. 23-1103.02 ion Date: 03/14/2029 Amueb Amu Dade Product Control IAMI DADE COUNTY October 31st, 2023	Drawn Date 10/18/2023 AD23−39 COVER Sheet No. JOF 7			C Rev.	



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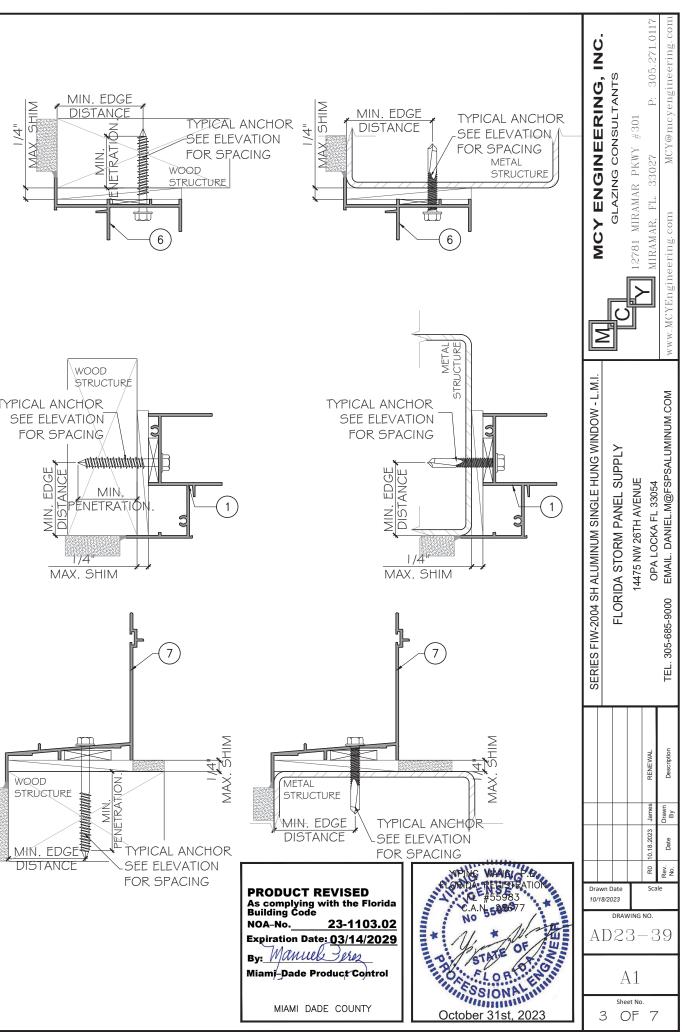




MIAMI DADE COUNTY

NOTE: WOOD BUCKS & METAL STRUCTURES BY OTHERS MUST BE PROPERLY SECURED TO SUPPORT LOADS IMPOSED BY GLAZING SYSTEM AND TRANSFER THEM TO THE BUILDING STRUCTURES.

MIN. EDGE DISTANCE MIN TYPICAL ANCHOR MIN. SEE ELEVATION MAX FOR SPACING CONCRETE fc=3KSI MIN



TYPICAL ANCHOR TYPES

ANCHOR TYPE 'A' - 1/4" DIA. TAPCON® BY 'ITW BUILDEX' (Fu=125KSI, Fy=100KSI)

DIRECTLY INTO CONCRETE OR CMU BLOCK. I 1/4" MIN. EMBEDMENT INTO CONCRETE (HEAD/ JAMB/ SILL) I 1/4" MIN. EMBEDMENT INTO CMU BLOCK (MEDIUM-WEIGHT)(JAMB ONLY)

ANCHOR TYPE 'B' - 1/4"-20 HILTI KWIK-FLEX SELF - DRILLING SCREW (Fu= 1 20KSI, Fy=92KSI)

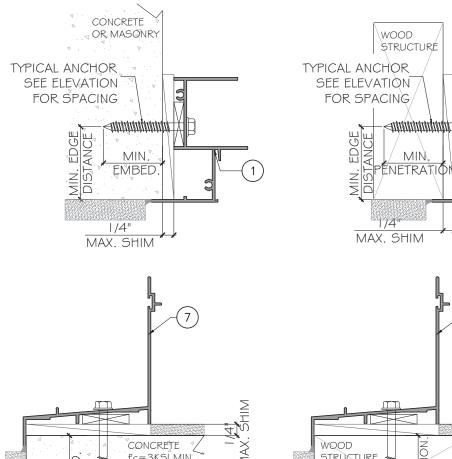
INTO METAL STRUCTURES. (3) THREADS MIN. PENETRATION BEYOND METAL SUBSTRATE ALUMINUM ALLOY: 1/8" WALL THK. MIN. (6063-T5, MIN) STEEL: I 2Ga WALL THK. MIN. (A36 MIN.) (STEEL IN CONTACT WITH ALUMINUM TO BE PLATED OR PAINTED)

INTO 2BY WOOD BUCKS OR WOOD STRUCTURE W/ I I/2" MIN. PENETRATION INTO WOOD

ANCHOR EDGE DISTANCE: INTO WOOD STRUCTURE: I " MIN INTO METAL: 3/4" MIN. INTO CONCRETE OR CMU: 2" MIN.

SUBSTRATE:

WOOD, SG = 0.55 MIN. CONCRETE, fc = 3000 PSI MIN. CMU BLOCK (MEDIUM-WEIGHT): CONFORM TO ASTM C90, WITH DENSITY > 117 pcf.



fc=3KSI MIN.

TYPIGAL ANCHOR

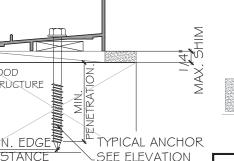
SEE ELÉVATION

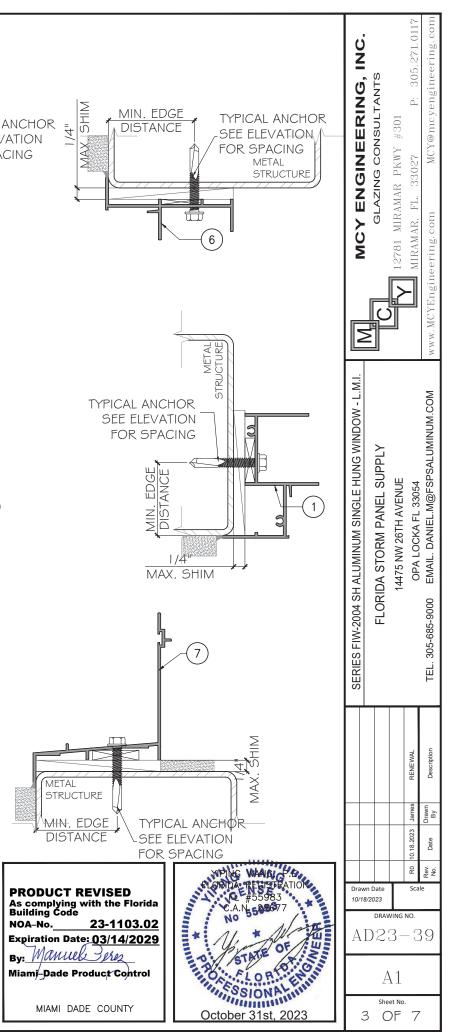
FOR SPACING

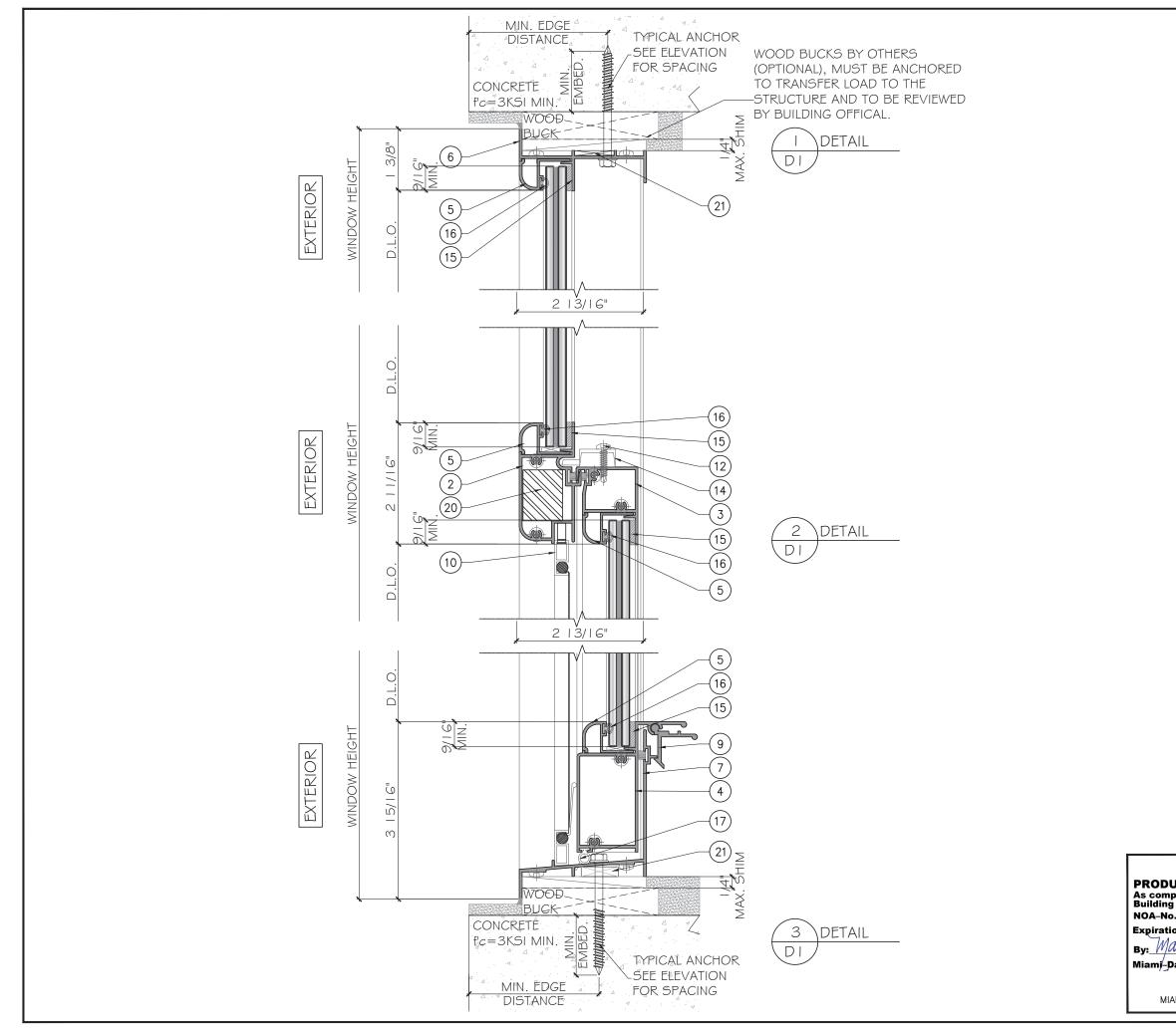
MIN. EMBED.

MIN. EDGE

DISTANCE





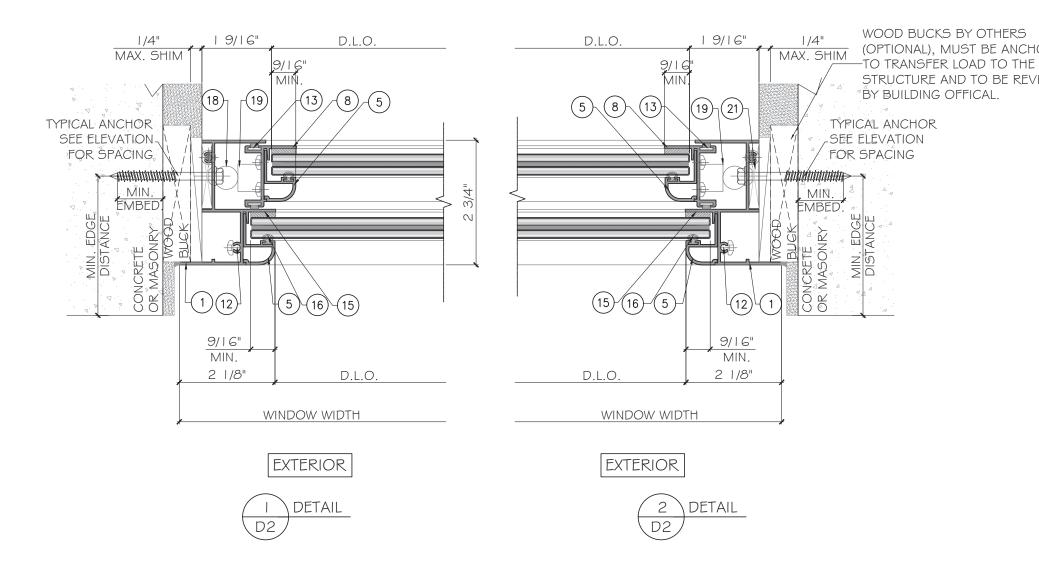


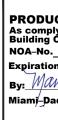


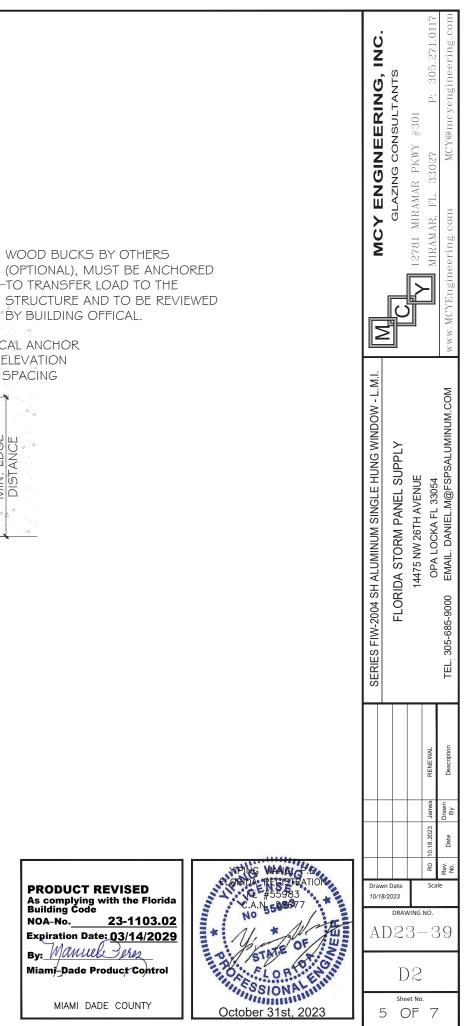
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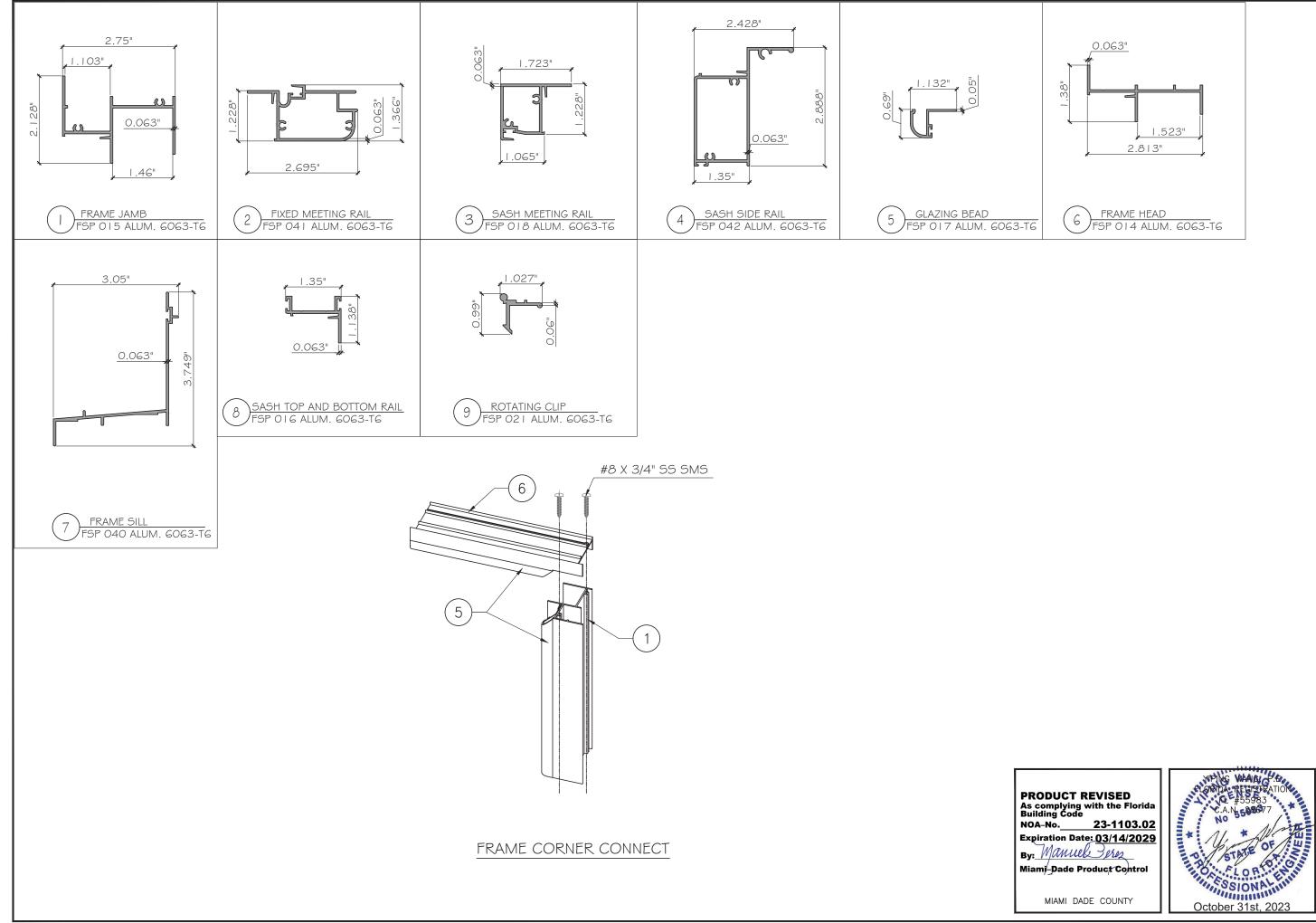
October 31st, 2023

MIAMI DADE COUNTY











		BILL OF MATERIALS	
ITEM	PART	DESCRIPTION	MATERIAL
1	FSP 015	FRAME HEAD	ALUM. 6063-T6
2	FSP 041	FIXED MEETING RAIL	ALUM. 6063-T6
3	FSP 018	SASH MEETING RAIL	ALUM. 6063-T6
4	FSP 042	SASH BOTTOM RAIL	ALUM. 6063-T6
5	FSP 017	GLAZING BEAD	ALUM. 6063-T6
6	FSP 014	HEAD	ALUM. 6063-T6
7	FSP 040	FRAME SILL	ALUM. 6063-TG
8	FSP 016	SASH TOP AND BOTTOM RAIL	ALUM. 6063-TG
9	FSP 021	VENT LOCK	ALUM. 6063-T6
10		MOSQUETERO ALN-364	ALUM. 6063-T5
11	FASTENER	#8 X I PH SMS (SS) VENT CORNER FASTENERS	STAINLESS STEEL
12	FASTENER	#8 X 3/4 PH SMS (SS) FRAME CORNER FASTENERS	STAINLESS STEEL
13		WEATHER STRIP	VINYL
14		LATCH LOCK	ALUM. 6063-T5
15	SILICONE	GE SCS2800 OR PECORA 895	SILICONE SEALANT
16		VINYL BULB	VINYL
17		VENT VINYL BULB	VINYL
18		BALANCE	CELCON (THERMOPLASTIC)
19		BALANCE GUIDE	CELCON (THERMOPLASTIC)
20		I I/8" X 7/8" STEEL BAR (FULL LENGTH OF FIXED MEETING RAIL)	ASTM A36
21		SHIM	PP

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