



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

## NOTICE OF ACCEPTANCE (NOA)

MIAMI-DADE COUNTY  
PRODUCT CONTROL SECTION  
11805 SW 26 Street, Room 208  
Miami, Florida 33175-2474  
T (786) 315-2590 F (786) 315-2599

[www.miamidade.gov/economy](http://www.miamidade.gov/economy)

CGI Windows & Doors, Inc.  
10100 NW 25<sup>th</sup> Street  
Miami, FL 33172

### 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 "Sentinel 120" Aluminum Horizontal Sliding Window – S.M.I.

**APPROVAL DOCUMENT:** Drawing No. SH120SM-NOA, titled "Series Sentinel 120 Alum Horiz. Sliding Wdw. (SM)", sheets 1 through 11 of 11, dated 10/02/2019, with revision B dated 08/24/23, prepared by manufacturer, signed and sealed by Anthony Lynn Miller, 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: 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. 20-0610.04 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 **Sifang Zhao, P. E.**



S.Z.  
10/26/2023

NOA No. 23-0911.06  
Expiration Date: November 13, 2029  
Approval Date: October 26, 2023  
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. 14-0522.05)*
2. Drawing No. **SH120SM-NOA**, titled "Series Sentinel 120 Alum Horiz. Sliding Wdw. (SM)", sheets 1 through 11 of 11, dated 10/02/2019, prepared by A. Lynn Miller, signed and sealed by Anthony Lynn Miller, P.E.  
*(Submitted under NOA No. 20-0610.04)*

**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) Small Missile Impact Test per FBC, TAS 201-94  
5) Cyclic Wind Pressure Loading per FBC, TAS 203-94  
6) Forced Entry Test, per FBC 2411.3.2.1, and TAS 202-94  
along with marked-up drawings and installation diagram of series "Sentinel" horizontal sliding windows, prepared by Certified Testing Laboratories, Inc., Test Report No. **CTLA-3009-WA**, dated 04/25/14, signed and sealed by Ramesh C. Patel, P. E. *(Submitted under NOA No. 14-0522.05)*
2. 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 to qualify DuPont "Butacite" PVB interlayer, Duraseal® and Super Spacer® insulating glass spacer, prepared by Certified Test Laboratories, signed and sealed by Ramesh C. Patel, P.E.  
Test Report No. **CTLA-3056 WA** - Series 7500 PVC fixed window, dated 03/03/15,  
Test Report No. **CTLA-3056 WB** - Series 7400 PVC project out window, dated 03/03/15,  
Test Report No. **CTLA-3056 WC** - Series 238 aluminum fixed window, dated 04/16/15.  
*(Submitted under NOA No.15-0512.04)*
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 ASTM F588 and TAS 202-94  
along with marked-up drawings and installation diagram of all PGT Industries, Inc. CGI Windows and Doors, Inc., representative units listed below and tested to qualify **Dowsil 791** and **Dowsil 983** silicones, per Proposal #**19-1155TP**, prepared by Fenestration Testing Laboratory, Inc., Test Reports No.:



Sifang Zhao, P. E.  
Product Control Examiner  
NOA No. 23-0911.06

Expiration Date: November 13, 2029

Approval Date: October 26, 2023

**CGI Windows & Doors, Inc.**

**NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED**

**B. TESTS (CONTINUED)**

**PGT Industries, Inc. test specimens:**

**FTL-7897**, PGT PW5520 PVC Fixed Window (unit 6 in proposal), dated 09/03/14  
**FTL-20-2107.1**, PGT SGD780 Aluminum Sliding Glass Door (unit 7 in proposal)  
**FTL-20-2107.2**, PGT CA740 Alum. Outswing Casement Window (unit 8 in proposal)  
**FTL-20-2107.3**, PGT PW7620A Aluminum Fixed Window (unit 9 in proposal) and  
**FTL-20-2107.4**, PGT PW7620A Aluminum Fixed Window (unit 10 in proposal)  
all dated 07/13/20 and signed and sealed by Idalmis Ortega, P.E.

**CGI Windows and Doors Inc. test specimens:**

**FTL-20-2108.1**, CGI SH360 Aluminum Single Hung Window (unit 1 in proposal)  
**FTL-20-2108.2**, CGI CA238 Alum. Outswing Casement Window (unit 2 in proposal)  
**FTL-20-2108.3**, CGI SGD560 Aluminum Sliding Glass Door (unit 3 in proposal)  
**FTL-20-2108.4**, CGI PW410 Aluminum Fixed Window (unit 4 in proposal) and  
**FTL-20-2108.5**, CGI SH360 Aluminum Single Hung Window (unit 5 in proposal)  
all dated 08/24/20 and signed and sealed by Idalmis Ortega, P.E.

*(Submitted under NOA No. 20-0610.04)*

**C. CALCULATIONS**

1. Anchor verification calculations and structural analysis, complying with **FBC 7<sup>th</sup> Edition (2020)**, dated 03/26/20, prepared by manufacturer, signed and sealed by Anthony Lynn Miller, P.E.
2. Glazing complies with **ASTM E1300-04, -09, -12 and -16**.

**CI. QUALITY ASSURANCE**

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

**CII. 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**", expiring on 07/08/24.
2. Notice of Acceptance No. **17-0712.05** issued to **Eastman Chemical Company (MA)** for their "**Saflex Clear and Color Glass Interlayers**", expiring on 05/21/21.

**CIII. STATEMENTS**

1. Statement letters of conformance to FBC 2020 (**7<sup>th</sup>** Edition), dated 03/26/20, prepared, signed & sealed by Lynn Miller, P. E.
2. Notification of Successor Engineer for CGI NOA documents dated October 04, 2019 issued, signed and sealed by Anthony Lynn Miller, P.E.

**CIV. OTHERS**

1. Notice of Acceptance No. 17-0918.09, issued to CGI Windows & Doors for their Series "120 Sentinel" Aluminum Horizontal Sliding Window – S.M.I., expiring on 11/13/19.

  
\_\_\_\_\_  
**Sifang Zhao, P. E.**  
**Product Control Examiner**  
**NOA No. 23-0911.06**  
**Expiration Date: November 13, 2029**  
**Approval Date: October 26, 2023**

**NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED**

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

**A. DRAWINGS**

1. Drawing No. **SH120SM-NOA**, titled "Series Sentinel 120 Alum Horiz. Sliding Wdw. (SM)", sheets 1 through 11 of 11, dated 10/02/2019, with revision **B** dated 08/24/23, prepared by A. Lynn Miller, signed and sealed by Anthony Lynn Miller, P.E.

**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. NOA No. **23-0713.18** issued to **Eastman Chemical Company (MA)** for their "**Saflex Clear and Color Glass Interlayers**", expiring on 05/21/26.
2. NOA No. **23-0717.28** issued to **Kuraray America, Inc.** for their "**Trosifol® Ultraclear, Clear and Color PVB Glass Interlayers**", expiring on 07/08/24.

**F. STATEMENTS**

1. Statement letter of conformance, complying with **FBC 7<sup>th</sup> Edition (2020)** and the **FBC 8<sup>th</sup> Edition (2023)**, and Statement letter of no financial interest, dated September 07, 2023, issued by manufacturer, signed and sealed by Anthony Lynn Miller, P.E.

**G. OTHERS**

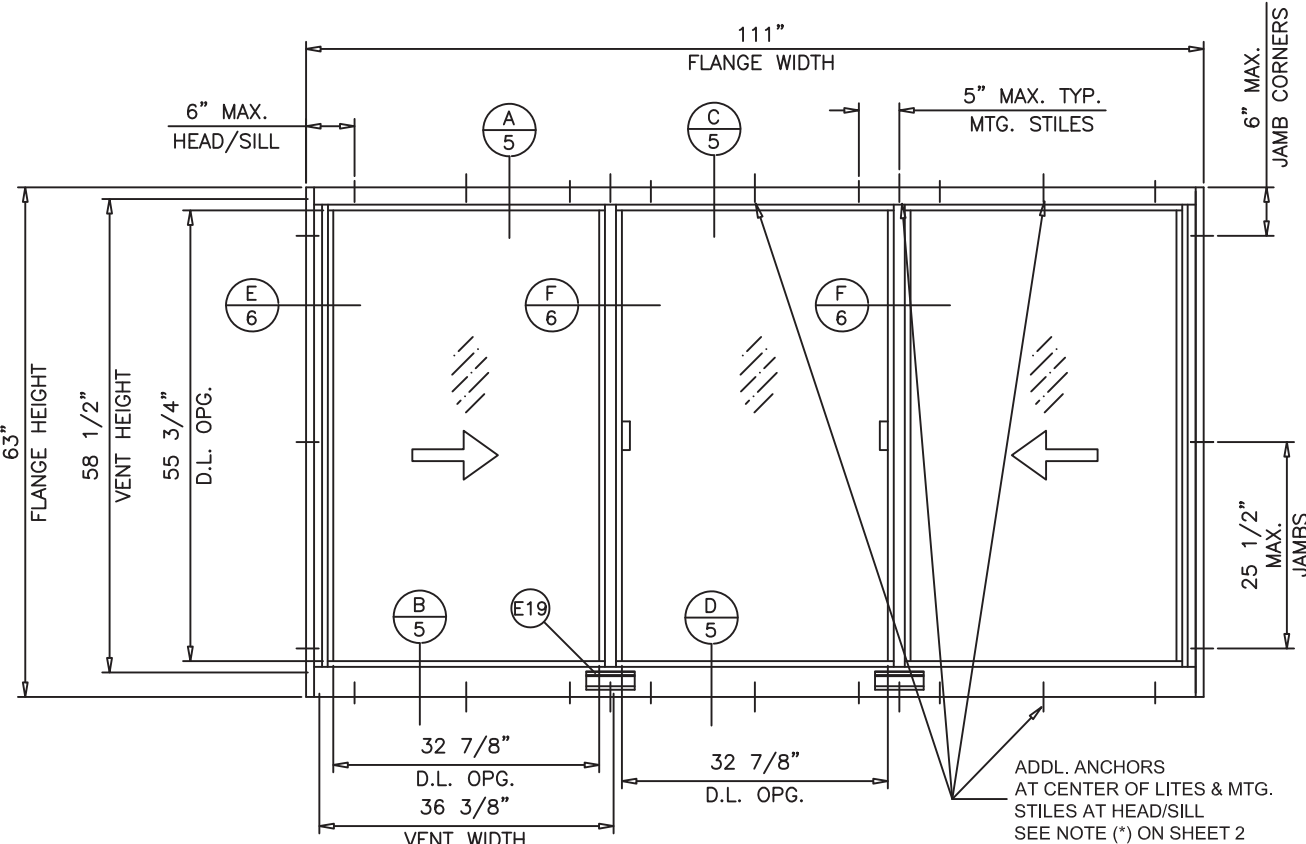
1. Notice of Acceptance No. 20-0610.04, issued to CGI Windows & Doors for their Series "120 Sentinel" Aluminum Horizontal Sliding Window – S.M.I., expiring on 11/13/24.



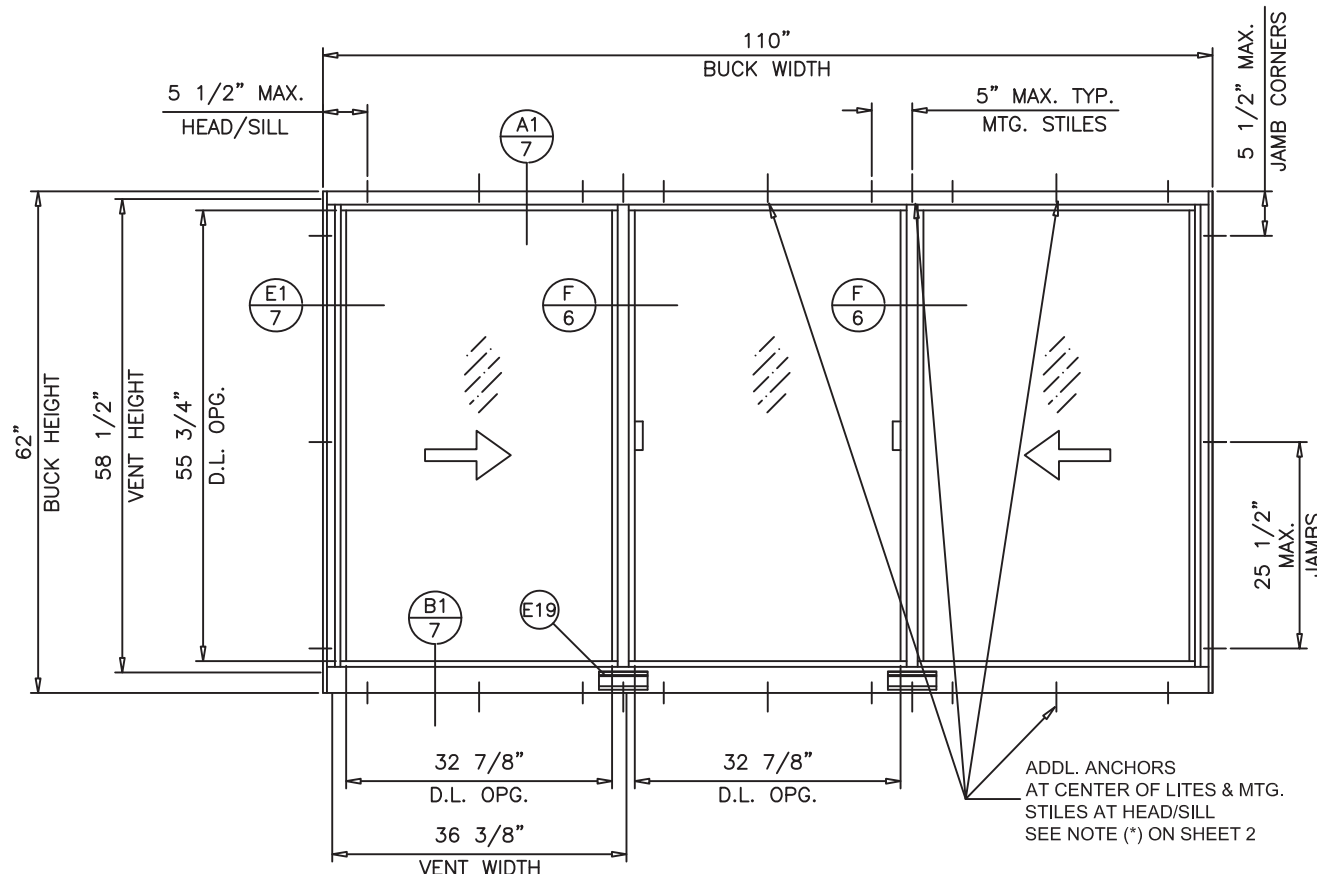
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**Sifang Zhao, P. E.**  
**Product Control Examiner**  
**NOA No. 23-0911.06**  
**Expiration Date: November 13, 2029**  
**Approval Date: October 26, 2023**

TYPICAL ELEVATION, 1/3-1/3-1/3 XOX CONFIGURATION



## FLANGE & FLANGE ADAPTOR FRAME



## EQUAL LEG FRAME

THESE WINDOWS ARE RATED FOR SMALL MISSILE IMPACT.  
MIAMI-DADE COUNTY APPROVED IMPACT RESISTANT  
SHUTTERS REQUIRED FOR INSTALLATIONS UP TO 30 FT. OF  
GRADE. SHUTTERS NOT REQD. FOR INSTALLATIONS ABOVE  
30 FT. OF GRADE.

LAMINATED GLASS  
INSULATING LAM. GLASS  
SMALL MISSILE IMPACT

SERIES 'SENTINEL 120'

## ALUMINUM HORIZONTAL ROLLER WINDOW

DESIGN LOAD RATINGS FOR THESE WINDOWS TO BE AS PER CHARTS SHOWN ON SHEETS 2 & 3.

APPROVAL APPLIES TO SINGLE UNITS OR SIDE BY SIDE COMBINATIONS OF H.R./H.R. OR HORIZONTAL ROLLING WITH OTHER WINDOW TYPES IN MODULES OF TWO OR MORE WINDOWS USING MIAMI-DADE COUNTY APPROVED CLIPPED MULLIONS IN BETWEEN. LOWER DESIGN PRESSURE FROM WINDOWS OR MULLION APPROVAL WILL APPLY TO ENTIRE SYSTEM.

THIS PRODUCT HAS BEEN DESIGNED AND TESTED TO COMPLY WITH THE REQUIREMENTS OF THE 2020 (7TH EDITION) AND 2023 (8TH EDITION) FLORIDA BUILDING CODE INCLUDING HIGH VELOCITY HURRICANE ZONE (HVHZ).

1BY OR 2BY WOOD BUCKS & BUCK FASTENERS BY OTHERS, MUST BE DESIGNED AND INSTALLED ADEQUATELY TO TRANSFER APPLIED PRODUCT LOADS TO THE BUILDING STRUCTURE.

ANCHORS SHALL BE CORROSION RESISTANT, SPACED AS SHOWN ON DETAILS AND INSTALLED PER MANUF'S INSTRUCTIONS. SPECIFIED EMBEDMENT TO BASE MATERIAL SHALL BE BEYOND WALL DRESSING OR STUCCO. ALL ANCHOR HEAD TYPES ARE ACCEPTABLE.

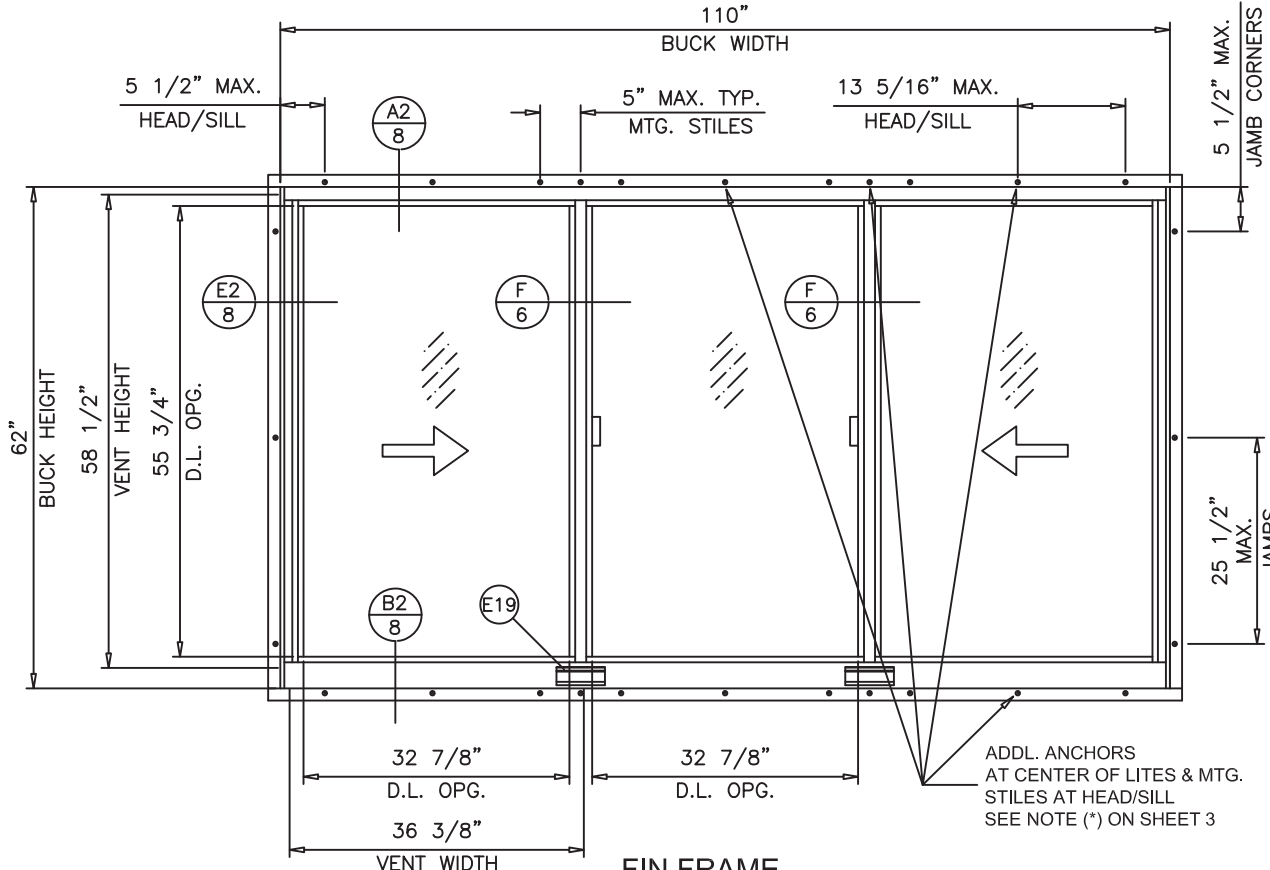
A LOAD DURATION INCREASE IS USED IN DESIGN OF ANCHORS INTO WOOD ONLY

ALL SHIMS TO BE HIGH IMPACT, NON-METALLIC AND NON-COMPRESSIBLE.

MATERIALS INCLUDING BUT NOT LIMITED TO STEEL/METAL SCREWS, THAT COME INTO CONTACT WITH OTHER DISSIMILAR MATERIALS SHALL MEET THE REQUIREMENTS OF THE 2017/2020 FLORIDA BUILDING CODE & ADOPTED STANDARDS.

FRAME FLANGES MAY BE TRIMMED AS REQUIRED. THE EXPOSED ALUMINUM EDGE MUST BE PAINTED TO PROTECT AGAINST CORROSION.

THIS PRODUCT APPROVAL IS GENERIC AND DOES NOT PROVIDE INFORMATION FOR A SITE SPECIFIC PROJECT, I.E. LIFE SAFETY OF THIS PRODUCT, ADEQUACY OF STRUCTURE RECEIVING THIS PRODUCT AND SEALING AROUND OPENING FOR WATER INFILTRATION RESISTANCE ETC. CONDITIONS NOT SHOWN IN THIS DRAWING ARE TO BE ANALYZED SEPARATELY, AND TO BE REVIEWED BY BUILDING OFFICIAL.



## FIN FRAME

**PRODUCT REVISED**  
as complying with the Florida  
Building Code  
NOA-No. **23-0911.06**

**Expiration Date 11/13/2029**

**By** \_\_\_\_\_  
**Miami-Dade Product Control**

Revision: B) ADD NOTES; ANCHOR HEAD TYPES, TRIM FLANGE FRAMES, UPDATE TO 2023 FBC, CORRECT SERIES '1200', REMOVE FALSE MUNTINS.  
- SB - 08/24/23

PREPARED BY A. LYNN MILLER  
1070 TECHNOLOGY DRIVE  
N. VENICE, FL 34275

(941) 480-1600

REGISTRATION #29296

5/29/2020

Drawn By JENS ROSOWSKI

---

ON  
GMC

11



**Impact Resistant  
Windows & Doors**

3780 W 104TH STREET  
HIALEAH, FL 33018  
(305) 593-6590

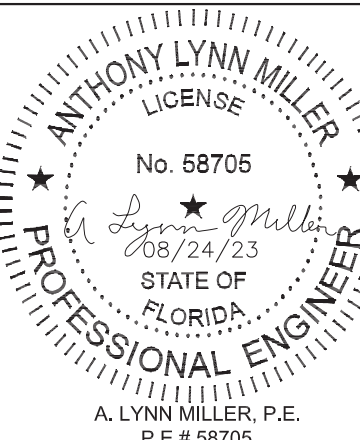
120 ALUM. HORIZONTAL

GEN. NOTES AND ELEVATIONS

they

# C

Y  
H





FLANGE FRAME

FLANGE ADAPTOR FRAME

EQUAL LEG FRAME

Window Design Pressue (+/- psf) for Glass Types C & C1							
XO or OX (1/2, 1/2) Configurations							
Window Dimensions		Height (in.)					
Width (in.)	Flange Dims	Buck Dims	26	38-3/8	50-5/8	54	63
			25	37-3/8	49-5/8	53	62
	26-1/2	25-1/2	+80 /-125	+80 /-125	+80 /-125	+80 /-125	+80 /-125
	37	36	+80 /-125	+80 /-125	+80 /-125	+80 /-125	+80 /-125
	53-1/8	52-1/8	+80 /-125	+80 /-125	+80 /-125	+80 /-123.7	+80 /-98.5
	74	73	+80 /-125	+80 /-111.8	+80 /-91.6	+77.5 /-87.3	+77.5 /-77.5

Window Design Pressue (+/- psf) for Glass Types C & C1							
XOX Configuration (1/3, 1/3, 1/3)							
Window Dimensions		Height (in.)					
Width (in.)	Flange Dims	Buck Dims	26	38-3/8	50-5/8	52	63
			25	37-3/8	49-5/8	53	62
	74	73	+80 /-125	+80 /-125	+80 /-125	+80 /-118.4	+80 /-102.7
	106-1/4	105-1/4	+80 /-125	+80 /-105.1	+80 /-83.1	+78.5 /-78.5	+68.6 /-68.6
	111	110	+80 /-125	+80 /-99.7	+79 /-79	+74.7 /-74.7	+65.2 /-65.2

Window Design Pressue (+/- psf) for Glass Types C & C1						
XOX Configuration (1/4, 1/2, 1/4)						
Buck Width (in.)	Window Dimensions	Buck Height (in.)				
		25	37-3/8	49-5/8	53	62
	73	+80 /-125	+80 /-125	+80 /-118.1	+80 /-110.9	+80 /-95.6
	105-1/4	+80 /-125	+80 /-103.3			
	110	+80 /-125	+80 /-98.3			

Window Design Pressue (+/- psf) for Glass Types C & C1						
XO or OX (1/2, 1/2) Configurations with Additional Anchors*						
Window Dimensions		Height (in.)				
Width (in.)	Flange Dims	Buck Dims	38-3/8	50-5/8	54	63
			37-3/8	49-5/8	53	62
	53-1/8	52-1/8			+80 /-125	+80 /-125
	74	73	+80 /-125	+80 /-125	+80 /-125	+80 /-100

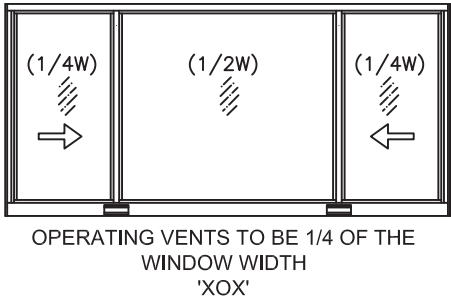
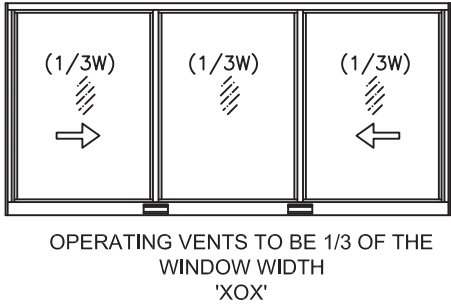
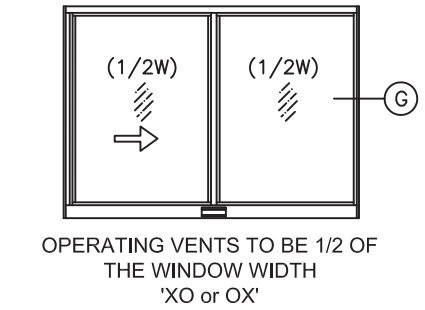
\* ADDITIONAL ANCHORS REQUIRED AT CENTER OF ALL LITES AND AT MEETING STILE ENDS.

Window Design Pressue (+/- psf) for Glass Types C & C1					
XOX Configurations (1/3, 1/3, 1/3) with Additional Anchors*					
Buck Width (in.)	Window Dimensions	Buck Height (in.)			
		37-3/8	49-5/8	53	62
	73			+80/ -125	+80/ -125
	105-1/4	+80/ -125	+80/ -125	+80/ -125	+80/ -105.1
	110	+80/ -125	+80/ -125	+80/ -125	+80/ -102.6

\* ADDITIONAL ANCHORS REQUIRED AT CENTER OF ALL LITES AND AT MEETING STILE ENDS.

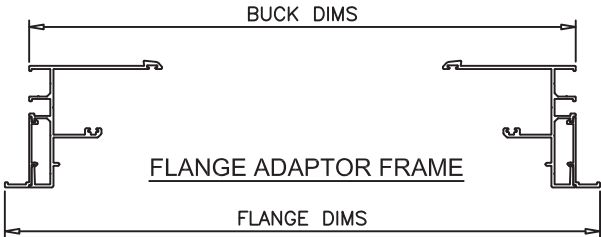
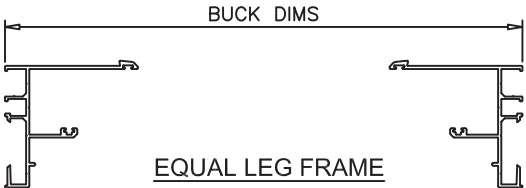
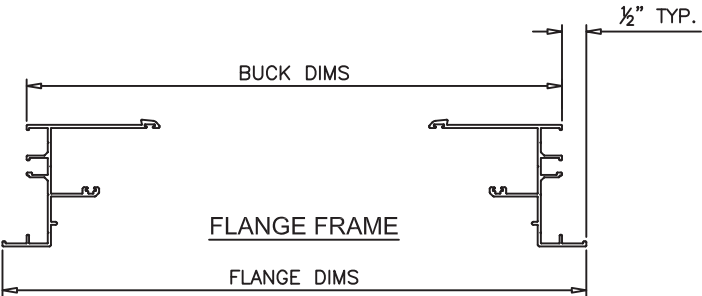
Window Design Pressue (+/- psf) for Glass Types C & C1					
XOX Configuration (1/4, 1/2, 1/4) with Additional Anchors*					
Window Dimensions		Buck Height (in.)			
		37-3/8	49-5/8	53	62
Buck Width (in.)	73		+80 /-125	+80 /-125	+80 /-125
	105-1/4	+80 /-125			
	110	+80 /-125			

\* ADDITIONAL ANCHORS REQUIRED AT CENTER OF ALL LITES AND AT MEETING STILE ENDS.



NOTES:

GLASS CAPACITIES ON THIS SHEET ARE BASED ON ASTM E1300-09 (3 SEC. GUSTS).



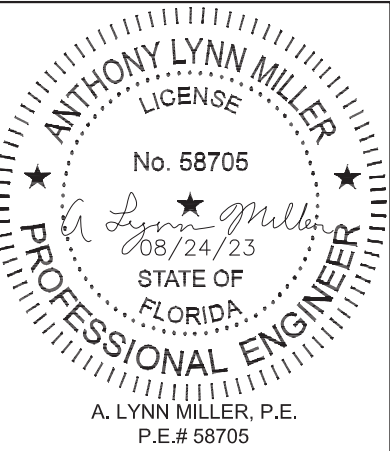
**PRODUCT REVISED**  
as complying with the Florida  
Building Code  
NOA-No. **23-0911.06**

Expiration Date **11/13/2029**

By   
**Miami-Dade Product Control**

Revision: B) RE-FORMAT DP TABLES.  
- SB - 08/24/23

PREPARED BY A. LYNN MILLER 1070 TECHNOLOGY DRIVE N. VENICE, FL 34275  (941) 480-1600 REGISTRATION #29296	5/29/2020	JENS ROSOWSKI	HR120SM-NOA	B
Impact Resistant Windows & Doors	3780 W 104TH STREET HIALEAH, FL 33018 (305) 593-6590	DESIGN PRESSURES 1	HR120	2 OF 11
120 ALUM. HORIZONTAL SLIDING WINDOW (SM)	5/29/2020	JENS ROSOWSKI	HR120SM-NOA	B

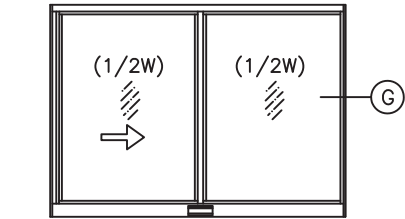


FIN FRAME

Window Design Pressue (+/- psf) for Glass Types C & C1						
XO or OX (1/2, 1/2) Configurations						
Window Dimensions		Buck Height (in.)				
		25	37-3/8	49-5/8	53	62
Buck Width (in.)	25-1/2	+80 /-125	+80 /-125	+80 /-125	+80 /-125	+80 /-125
	36	+80 /-125	+80 /-125	+80 /-125	+80 /-125	+80 /-125
	52-1/8	+80 /-125	+80 /-125	+80 /-125	+80 /-123.7	+80 /-98.5
	73	+80 /-125	+80 /-111.8	+80 /-91.6	+77.5 /-87.3	+77.5 /-77.5

Window Design Pressue (+/- psf) for Glass Types C & C1					
XO or OX (1/2, 1/2) Configurations with Additional Anchors*					
Buck Width (in.)	Window Dimensions	Buck Height (in.)			
		37-3/8	49-5/8	53	62
	52-1/8			+80 /-125	+80 /-125
73		+80 /-125	+80 /-125	+80 /-125	+80 /-100

\* ADDITIONAL ANCHORS REQUIRED AT CENTER OF ALL LITES AND AT MEETING STILE ENDS.

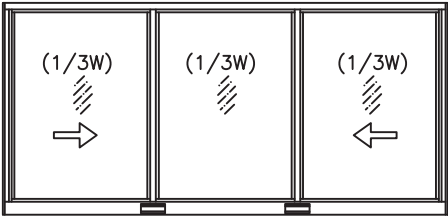


OPERATING VENTS TO BE 1/2 OF THE WINDOW WIDTH 'XO or OX'

Window Design Pressue (+/- psf) for Glass Types C & C1						
XOX Configuration (1/3, 1/3, 1/3)						
Window Dimensions		Buck Height (in.)				
		25	37-3/8	49-5/8	53	62
Buck Width (in.)	73	+80 /-125	+80 /-125	+80 /-125	+80 /-118.4	+80 /-102.7
	105-1/4	+80 /-125	+80 /-105.1	+80 /-83.1	+78.5 /-78.5	+68.6 /-68.6
	110	+80 /-125	+80 /-99.7	+79 /-79	+74.7 /-74.7	+65.2 /-65.2

Window Design Pressue (+/- psf) for Glass Types C & C1					
XOX Configurations (1/3, 1/3, 1/3) with Additional Anchors*					
Buck Width (in.)	Window Dimensions	Buck Height (in.)			
		37-3/8	49-5/8	53	62
	73			+80/ -125	+80/ -125
	105-1/4	+80/ -125	+80/ -125	+80/ -125	+80/ -105.1
110		+80/ -125	+80/ -125	+80/ -125	+80/ -102.6

\* ADDITIONAL ANCHORS REQUIRED AT CENTER OF ALL LITES AND AT MEETING STILE ENDS.

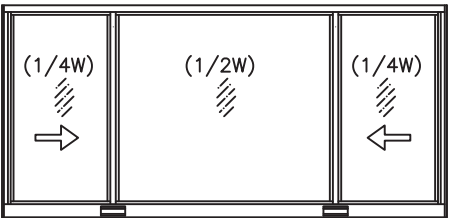


OPERATING VENTS TO BE 1/3 OF THE WINDOW WIDTH 'XOX'

Window Design Pressue (+/- psf) for Glass Types C & C1						
XOX Configuration (1/4, 1/2, 1/4)						
Window Dimensions		Buck Height (in.)				
		25	37-3/8	49-5/8	53	62
Buck Width (in.)	73	+80 /-125	+80 /-125	+80 /-118.1	+80 /-110.9	+80 /-95.6
	105-1/4	+80 /-125	+80 /-103.3			
	110	+80 /-125	+80 /-98.3			

Window Design Pressue (+/- psf) for Glass Types C & C1					
XOX Configuration (1/4, 1/2, 1/4) with Additional Anchors*					
Buck Width (in.)	Window Dimensions	Buck Height (in.)			
		37-3/8	49-5/8	53	62
	73		+80 /-125	+80 /-125	+80 /-125
	105-1/4	+80 /-125			
110		+80 /-125			

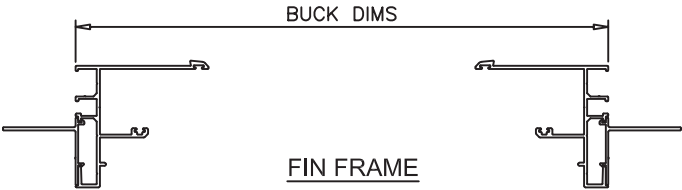
\* ADDITIONAL ANCHORS REQUIRED AT CENTER OF ALL LITES AND AT MEETING STILE ENDS.



OPERATING VENTS TO BE 1/4 OF THE WINDOW WIDTH 'XOX'

NOTES:

GLASS CAPACITIES ON THIS SHEET ARE BASED ON ASTM E1300–09 (3 SEC. GUSTS) AND FLORIDA BUILDING COMMISSION DECLARATORY STATEMENT DCA05–DEC–219



PRODUCT REVISED as complying with the Florida Building Code NOA-No. 23-0911.06

Expiration Date 11/13/2029

By Miami-Dade Product Control

B) RE-FORMAT DP TABLES. - SB - 08/24/23

PREPARED BY A. LYNN MILLER  
1070 TECHNOLOGY DRIVE  
N. VENICE, FL 34275  
(941) 480-1600

REGISTRATION #29296

Impact Resistant Windows & Doors

3780 W 104TH STREET  
HIALEAH, FL 33018  
(305) 593-6590

120 ALUM. HORIZONTAL SLIDING WINDOW (SM)

5/29/2020

JENS ROSOWSKI

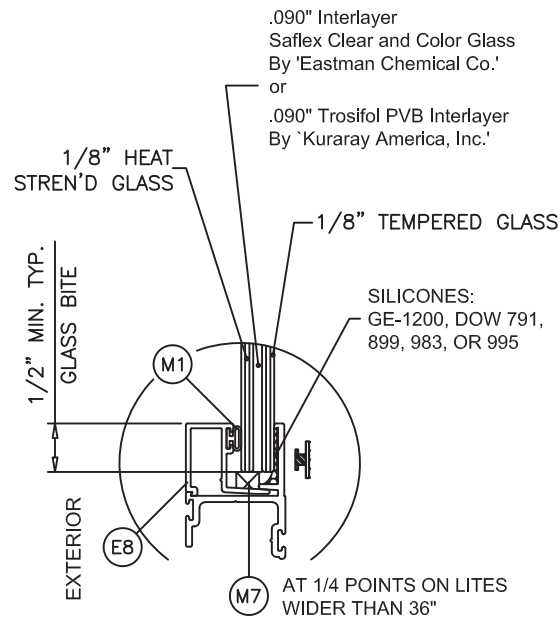
HR120SM-NOA

B

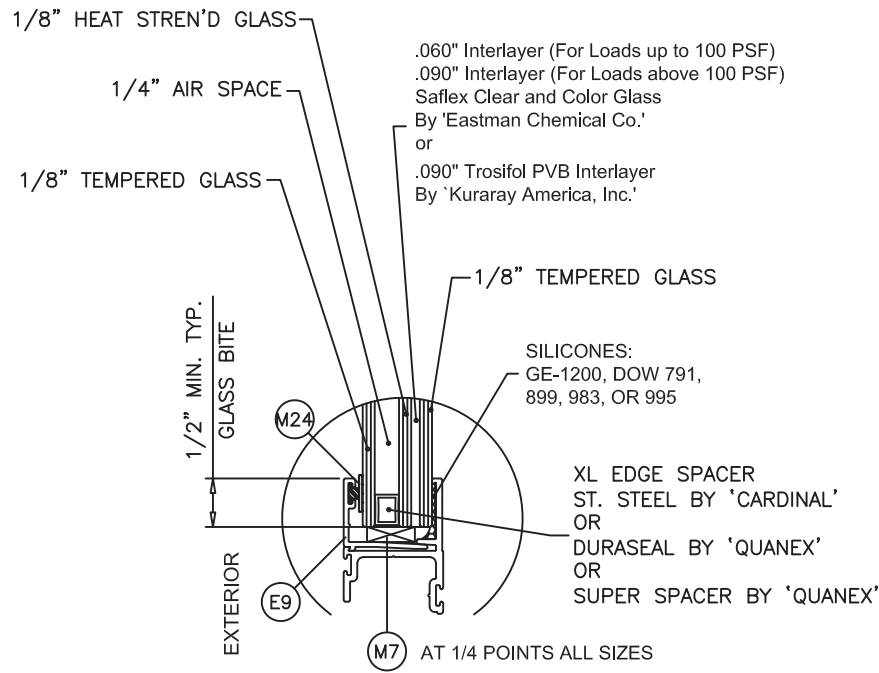
3 OF 11

HR120 "SENTINEL"

ANTHONY LYNN MILLER  
LICENSE  
No. 58705  
08/24/23  
STATE OF FLORIDA  
PROFESSIONAL ENGINEER  
A. LYNN MILLER, P.E.  
P.E.# 58705



GLASS TYPE 'C'  
5/16" NOMINAL LAM. GLASS




GLASS TYPE 'C1'  
0.70" OVERALL INSUL. LAM. GLASS

**PRODUCT REVISED**  
as complying with the Florida  
Building Code  
NOA-No. **23-0911.06**

Expiration Date **11/13/2029**

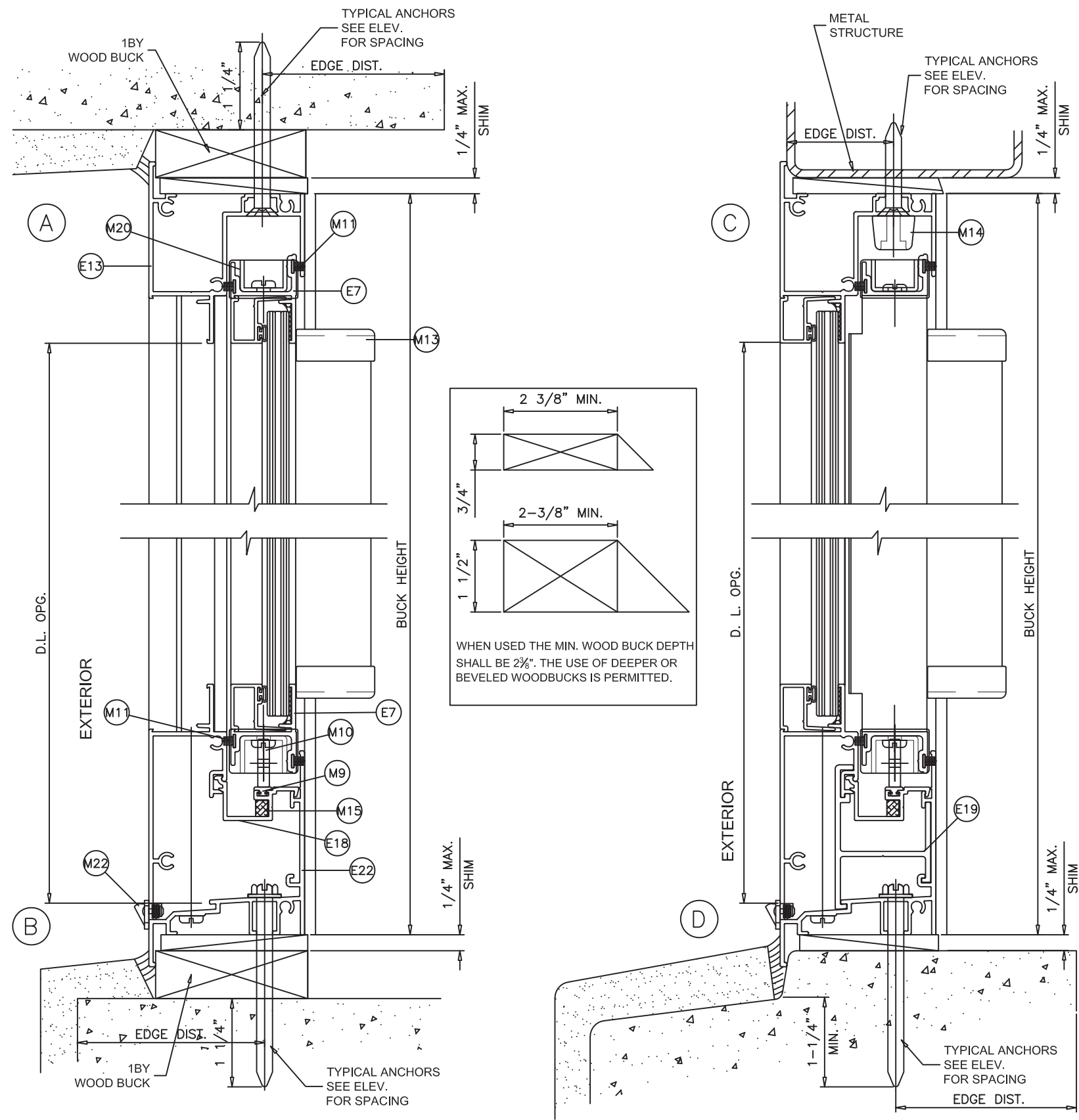
By   
**Miami-Dade Product Control**

Revision: B) CHANGE GLAZING BEAD  
TO ITEM M24 FOR IG  
GLASS.  
- SB - 08/24/23

		PREPARED BY A. LYNN MILLER 1070 TECHNOLOGY DRIVE N. VENICE, FL 34275		(941) 480-1600		REGISTRATION #29296		5/29/2020		JENS ROSOWSKI	Rev.	B
								Date				
		3780 W 104TH STREET HIALEAH, FL 33018 (305) 593-6590						120 ALUM. HORIZONTAL SLIDING WINDOW (SM)				
								By				
								GLAZING DETAILS				
								Drawn				
								4 OF 11		No.	DWC	HR120SM-NOA
								Sheet				
								"SENTINEL"		HR120		
								Title				
Series		Desc.										



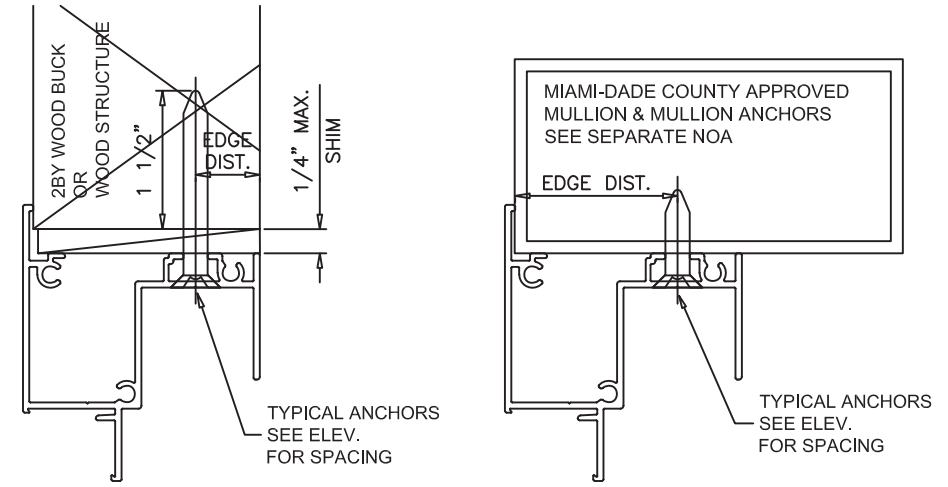
FLANGE & FLANGE ADAPTOR FRAME



INTALLATION DETAILS SHOWN ON PAGES 5 & 6 APPLY TO BOTH FLANGE FRAME AND FLANGE ADAPTOR FRAMES.

WEEPHOLES:

W1 = 1/4" X 1-1/2" WEEP SLOT AT 4-1/8" FROM EACH END WITH PLASTIC COVER.  
W2 = 1/8" X 1/2" WEEP SLOT AT 3-1/8" FROM EACH END.  
W3 = 1/8" X 1/2" WEEP SLOT AT 3-1/8" FROM EACH END.



WOOD BUCKS AND METAL STRUCTURE NOT BY CGI WDW. MUST SUSTAIN LOADS IMPOSED BY GLAZING SYSTEM AND TRANSFER THEM TO THE BUILDING STRUCTURE.

TYPICAL ANCHORS: SEE ELEV. FOR SPACING

1/4" DIA. TAPCON BY 'ITW' (Fu=125 KSI, Fy=100 KSI)  
INTO 2BY WOOD BUCKS OR WOOD STRUCTURES  
1-3/8" MIN. PENETRATION INTO WOOD (HEAD/SILL/JAMBS)  
TYP. EDGE DISTANCE INTO WOOD STRUCTURE = 1" MIN.  
THRU 1BY BUCKS INTO CONC. OR CMU OR DIRECTLY INTO CONC. OR CMU  
1-1/4" MIN. EMBED INTO CONCRETE (HEAD/SILL/JAMBS)  
1-1/4" MIN. EMBED INTO CMU (JAMBS)  
TYP. EDGE DISTANCE INTO CONCRETE AND CMU = 2" MIN.

1/4" DIA. ULTRACON+ BY 'DEWALT' (Fu=164 KSI, Fy=148 KSI)  
INTO 2BY WOOD BUCKS OR WOOD STRUCTURES  
1-3/8" MIN. PENETRATION INTO WOOD (HEAD/SILL/JAMBS)  
1" MIN. EDGE DISTANCE  
THRU 1BY BUCKS INTO CONC. OR DIRECTLY INTO CONC.  
1" MIN. EMBED INTO CONCRETE (HEAD/SILL/JAMBS)  
1-3/4" MIN. EDGE DISTANCE  
THRU 1BY BUCKS INTO HOLLOW CMU OR DIRECTLY INTO HOLLOW CMU  
1-1/4" MIN. EMBED INTO CMU (JAMBS)  
1-1/2" MIN. EDGE DISTANCE

#14 SMS OR SELF DRILLING SCREWS, (GRADE 2 CRS)  
INTO MIAMI-DADE COUNTY APPROVED MULLIONS (MIN. THK.=1/8")  
OR INTO METAL STRUCTURES (HEAD/SILL/JAMBS)  
(3) THREADS MIN. PENETRATION BEYOND SUBSTRATE  
ALUMINUM : 1/8" THK. MIN. (6063-T5 MIN.)  
STEEL : 1/8" THK. MIN. (Fy = 36 KSI MIN.)  
(STEEL IN CONTACT WITH ALUMINUM TO BE PLATED OR PAINTED)  
TYPICAL EDGE DISTANCE  
INTO WOOD STRUCTURE = 1" MIN.  
INTO METAL STRUCTURE = 3/4" MIN.

WOOD AT HEAD, SILL OR JAMBS SG = 0.55 MIN.  
CONCRETE AT HEAD, SILL OR JAMBS f<sub>c</sub> = 3000 PSI MIN.  
C-90 HOLLOW/FILLED NORMAL WEIGHT BLOCK AT JAMBS f<sub>m</sub> = 2000 PSI MIN.

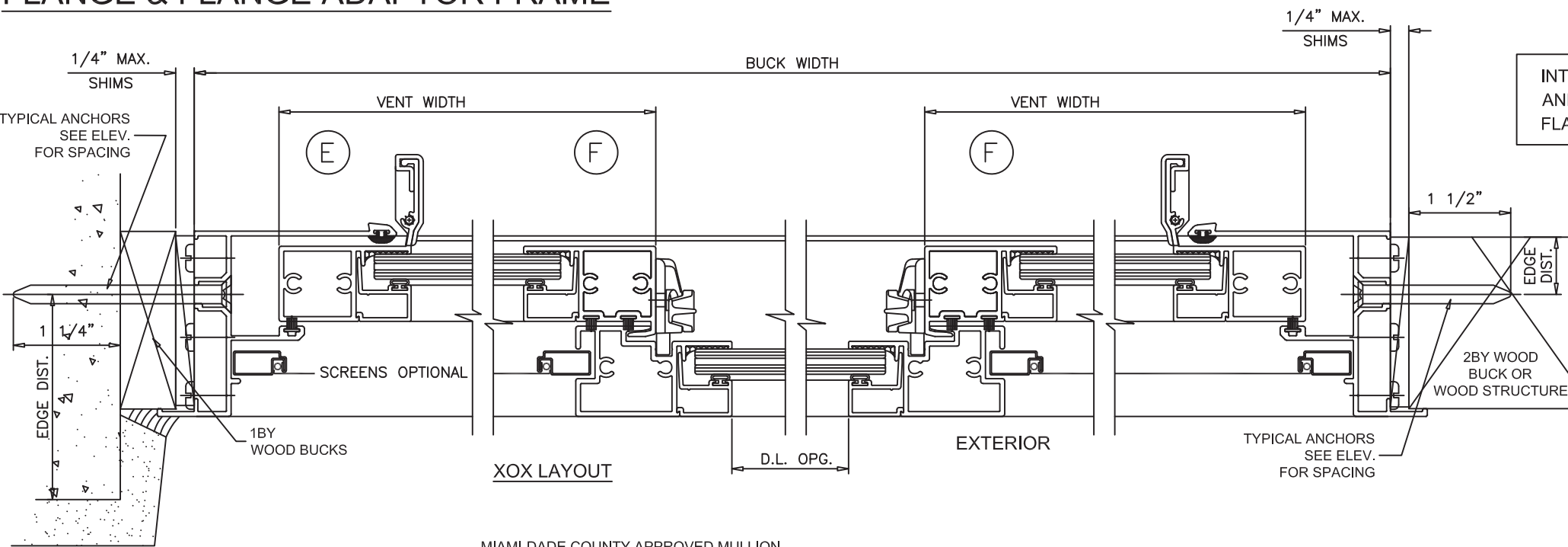
**PRODUCT REVISED**  
as complying with the Florida Building Code  
NOA-No. **23-0911.06**  
Expiration Date **11/13/2029**  
By   
**Miami-Dade Product Control**

Revision: B) DELETE 1/4 ULTRACONS. - SB - 08/24/23

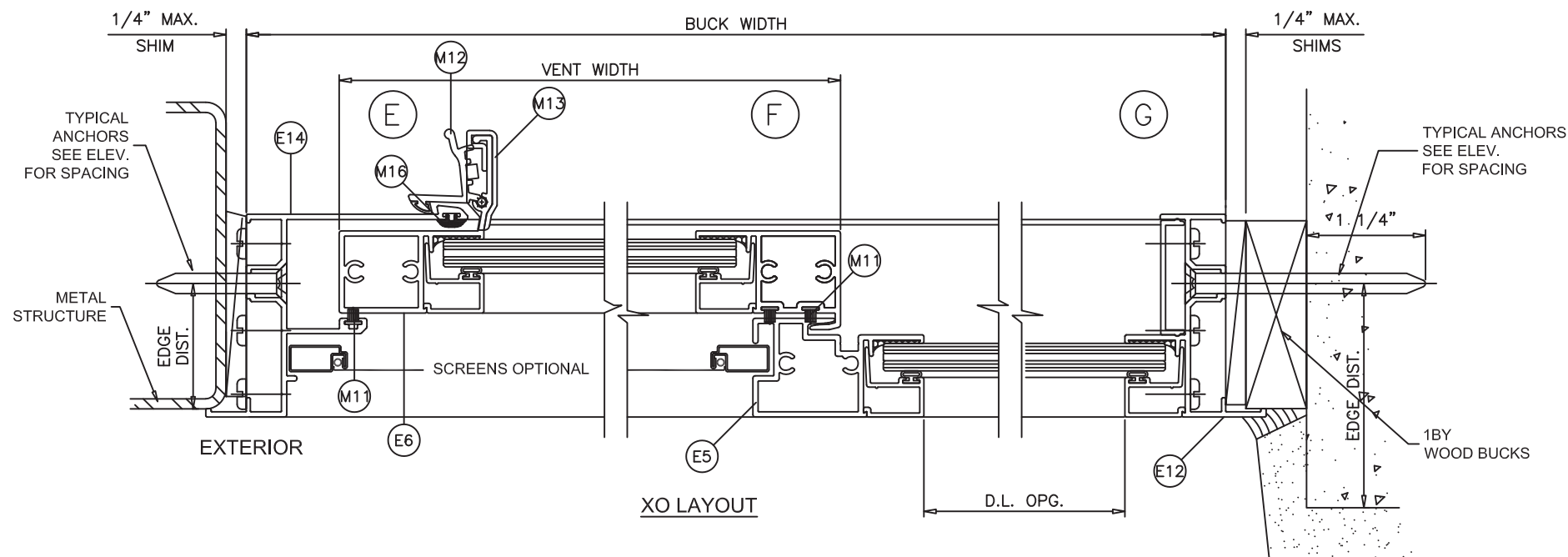
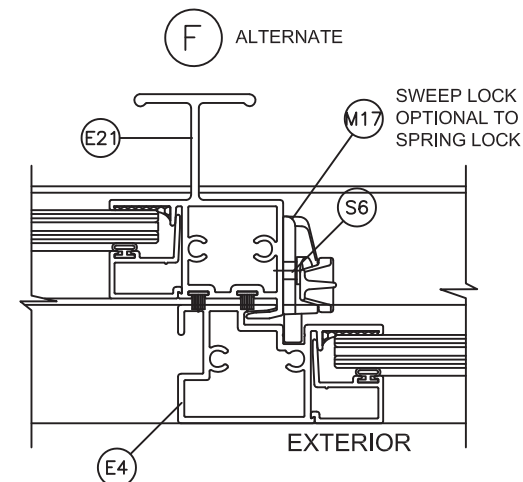
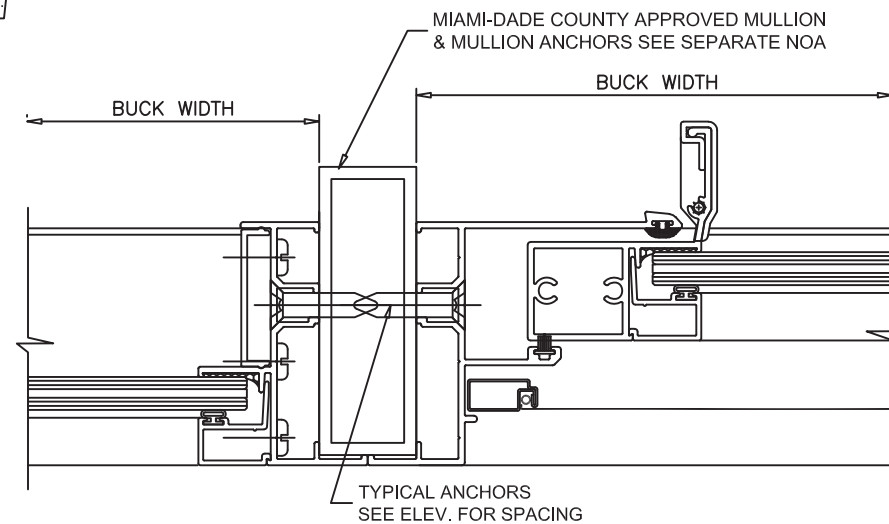
PREPARED BY A. LYNN MILLER 1070 TECHNOLOGY DRIVE N. VENICE, FL 34275	REGISTRATION #29296 (941) 480-1600	Date	5/29/2020
		By	JENS ROSOWSKI
		DWG No.	HR120SM-NOA
	3780 W 104TH STREET HIALEAH, FL 33018 (305) 593-6590	FLANGE INSTALLATION DETAILS	HR120 "SENTINEL"
		Sheet	5 OF 11
		Series	HR120

A. LYNN MILLER, P.E.  
P.E.# 58705

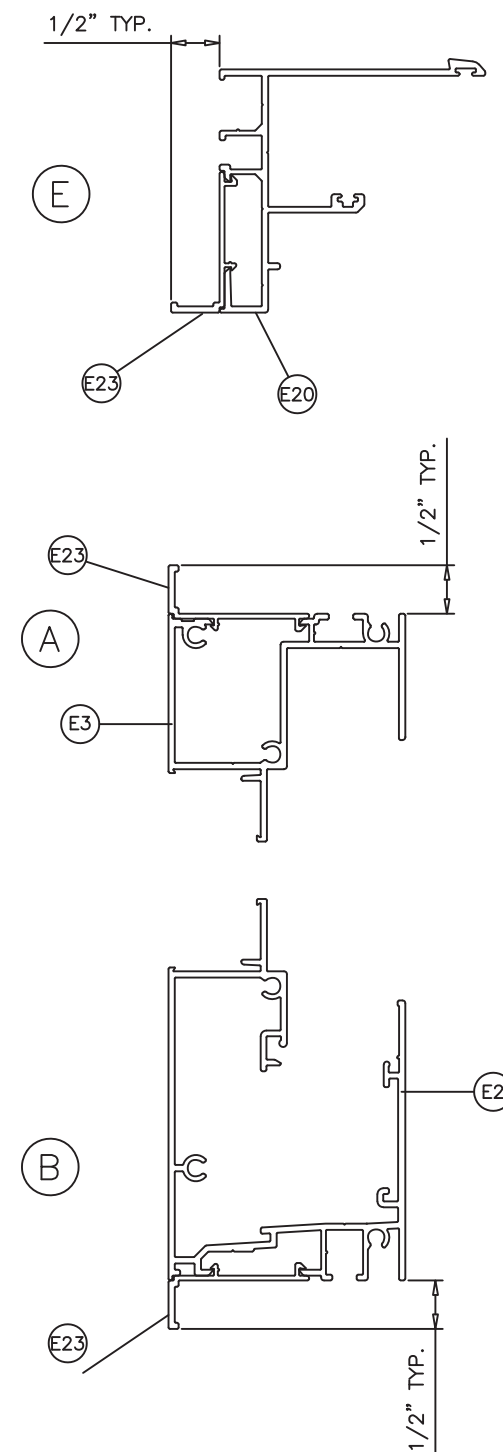
## FLANGE & FLANGE ADAPTOR FRAME



INSTALLATION DETAILS SHOWN ON PAGES 5  
AND 6 APPLY TO BOTH FLANGE FRAME AND  
FLANGE ADAPTOR FRAMES.



## FLANGE ADAPTOR FRAME




**PRODUCT REVISED**  
as complying with the Florida  
Building Code  
NOA-No. **23-0911.06**

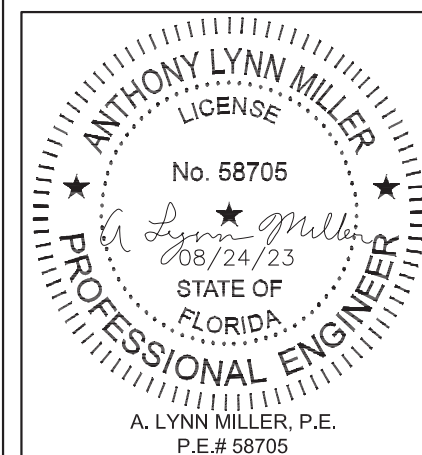
**Expiration Date** **11/13/2029**

By                       
Miami-Dade Product Control

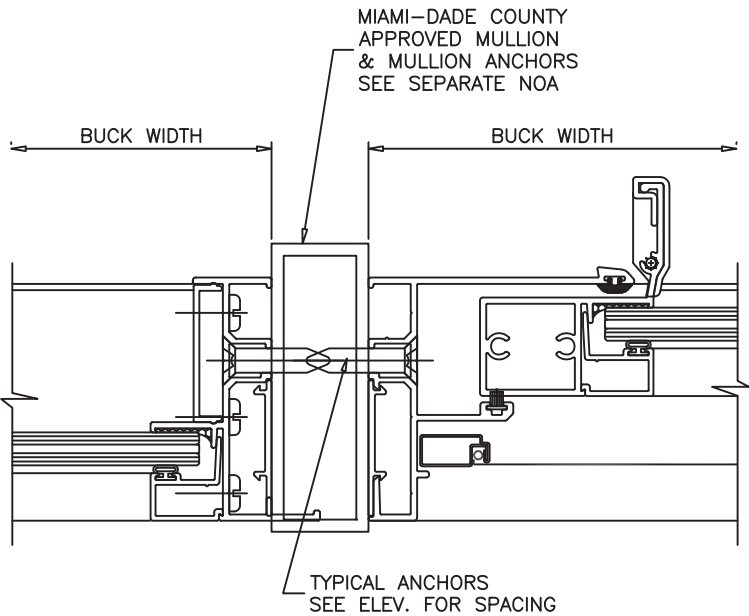
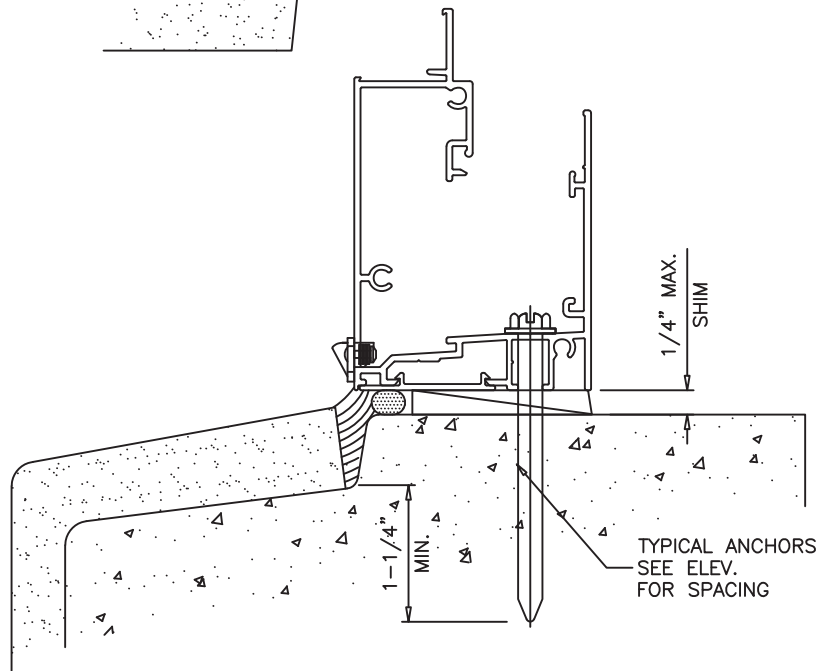
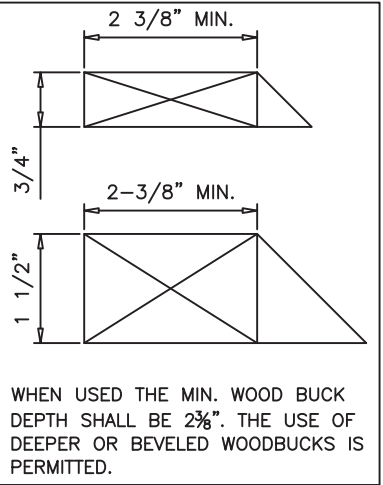
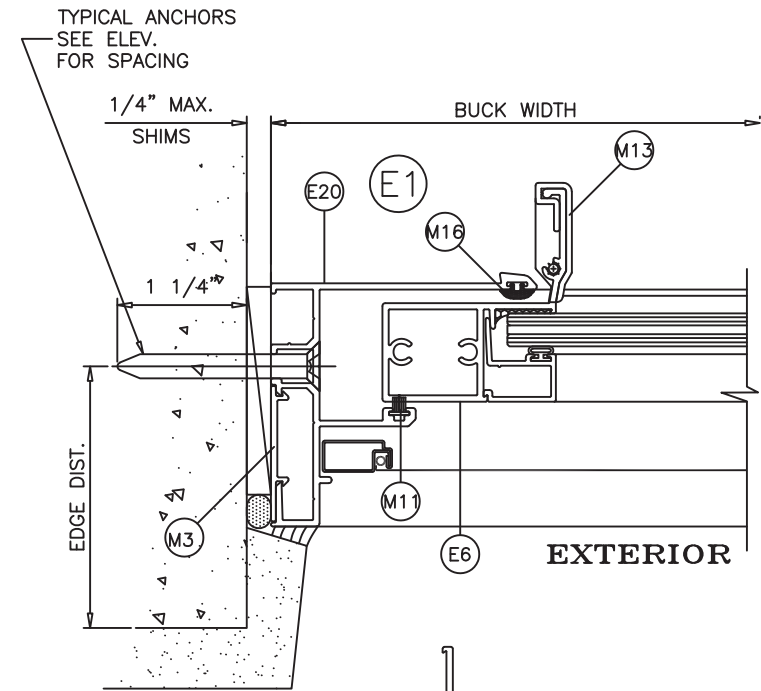
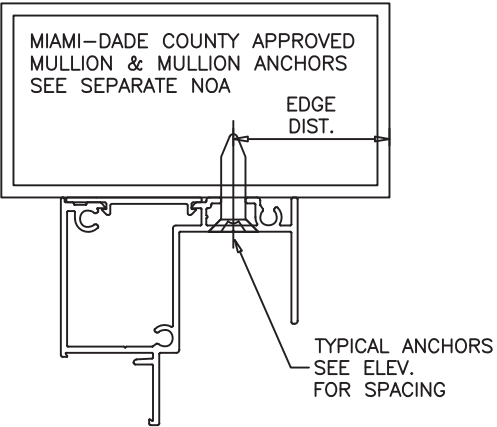
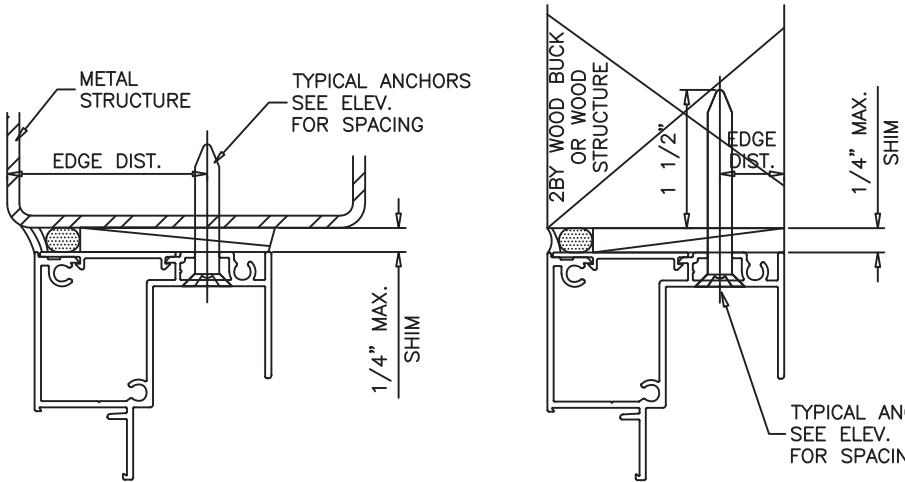
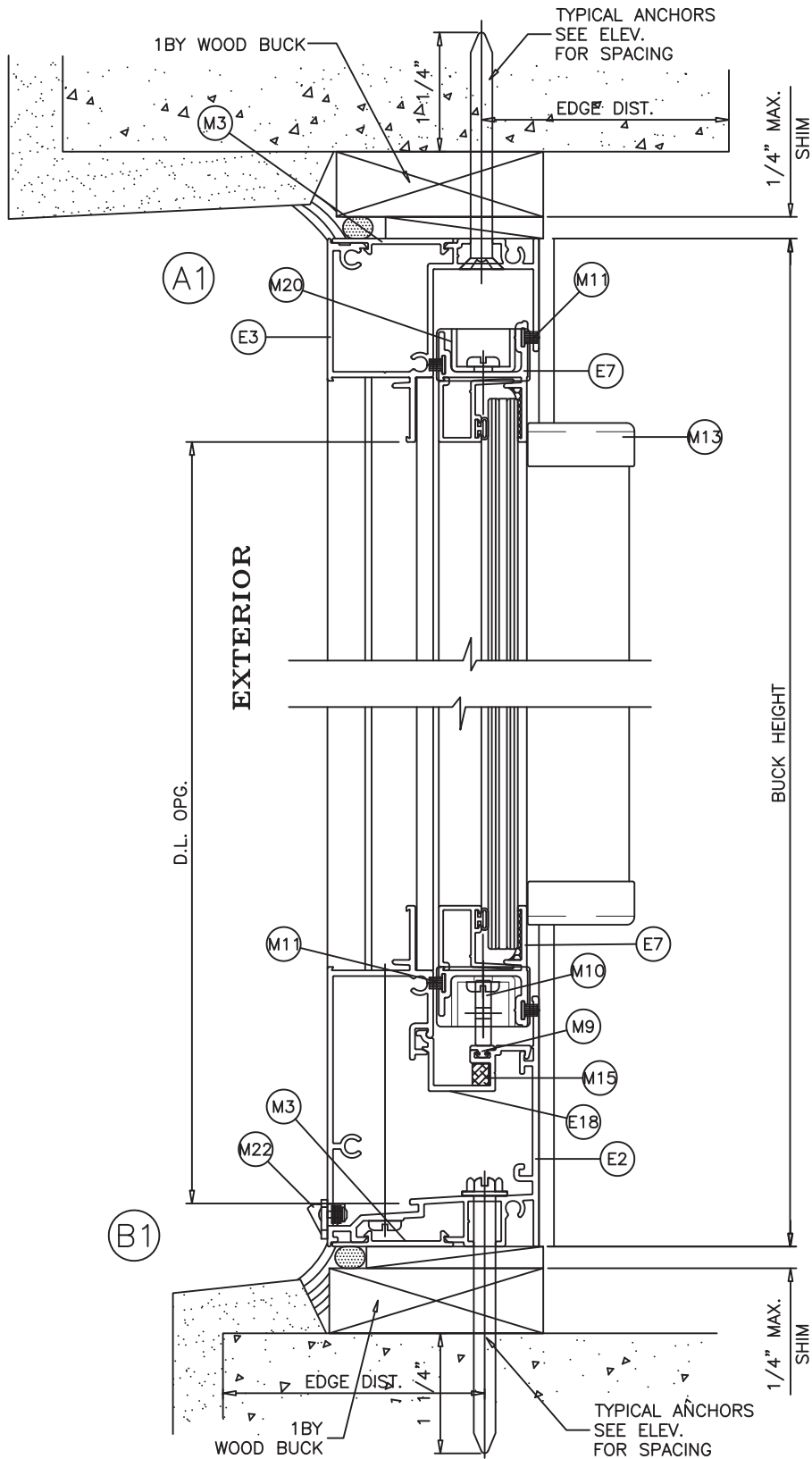
Revision:

B) NO CHANGES, THIS SHEET.  
- SB - 08/24/23

 <b>Impact Resistant Windows &amp; Doors</b>	<b>PREPARED BY A. LYNN MILLER</b> 1070 TECHNOLOGY DRIVE N. VENICE, FL 34275		(941) 480-1600		REGISTRATION #29296		5/29/2020	
	3780 W 104TH STREET HIALEAH, FL 33018 (305) 593-6590		120 ALUM. HORIZONTAL SLIDING WINDOW (SM)					
FLANGE INSTALLATION DETAILS		Drawn By		JENS ROSOWSKI		5/29/2020		
HR120 "SENTINEI"		6 OF 11		DWG No.		HR120SM-NOA B		



EQUAL LEG FRAME



**PRODUCT REVISED**  
as complying with the Florida  
Building Code  
NOA-No. **23-0911.06**  
Expiration Date **11/13/2029**  
By   
**Miami-Dade Product Control**

Revision: B) NO CHANGES, THIS SHEET.  
- SB - 08/24/23

PREPARED BY A. LYNN MILLER  
1070 TECHNOLOGY DRIVE  
N. VENICE, FL 34275

**Impact Resistant  
Windows & Doors**

3780 W 104TH STREET  
HIALEAH, FL 33018  
(305) 593-6590

REGISTRATION #29296

120 ALUM. HORIZONTAL SLIDING WINDOW (SM)

EQUAL LEG INSTALLATION DETAILS

HR120 "SENTINEL"

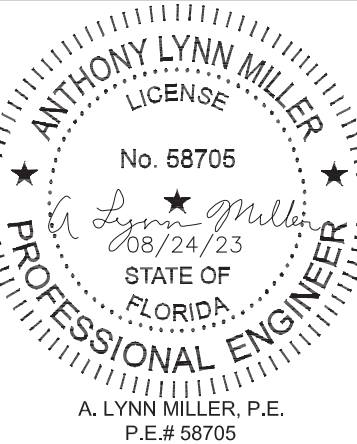
JENS ROSOWSKI

Rev.

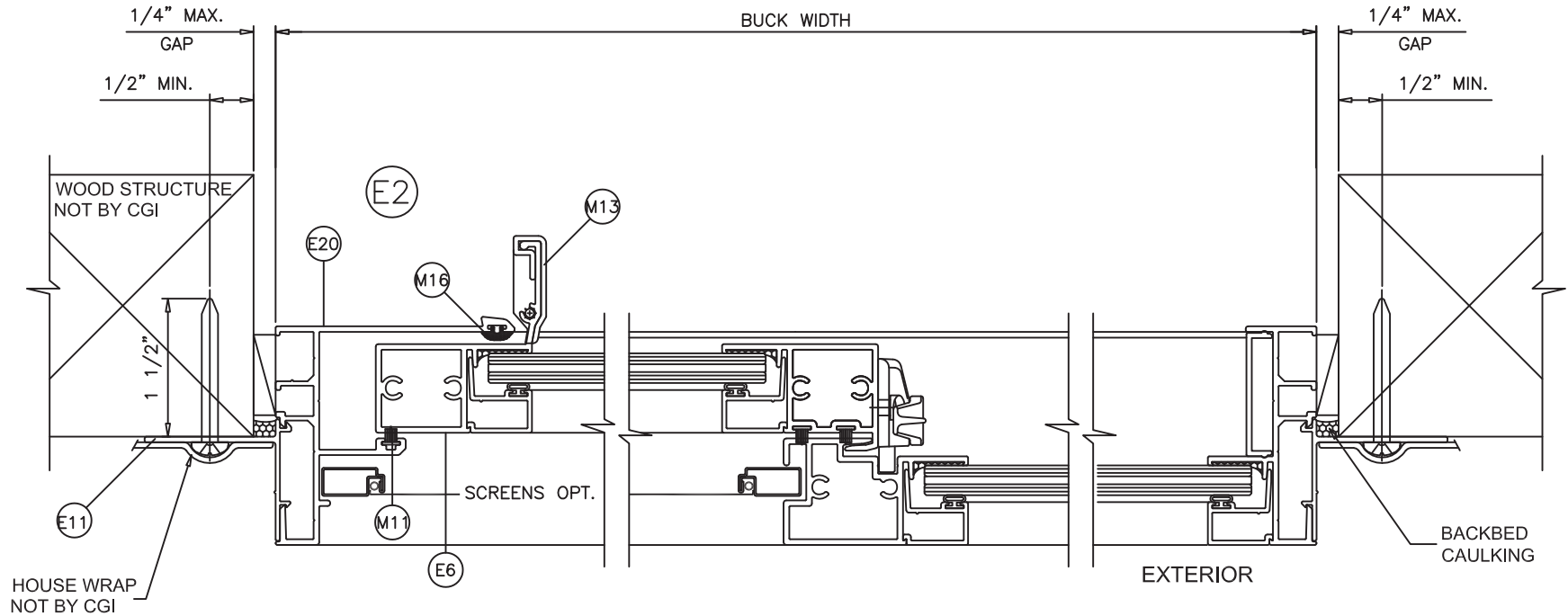
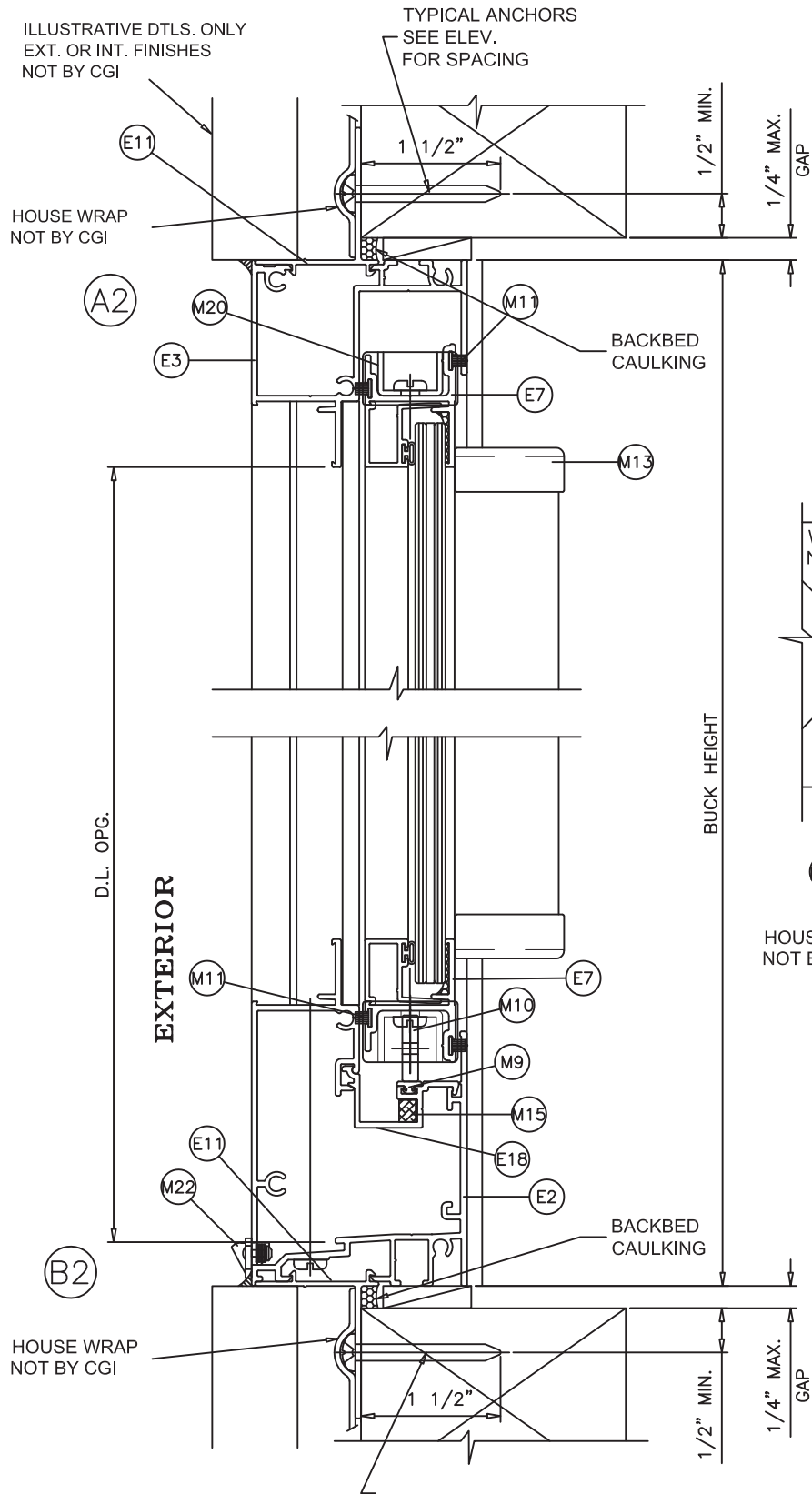
7 OF 11

Sheet

HR120SM-NOA



FIN FRAME




TYPICAL ANCHORS: SEE ELEV. FOR SPACING

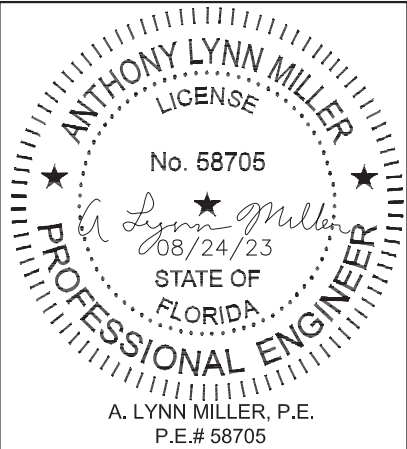
#8 SMS (Fu = 74 KSI MIN.)  
INTO 2BY WOOD BUCKS OR WOOD STRUCTURES  
1-1/2" MIN. PENETRATION INTO WOOD

NOTE: HYBRID CONFIGURATIONS (FLANGE FRAME AT MULLION/ FIN FRAME AT OTHER SIDES) ALLOWED WITH MULLION. SEE PAGES 5 & 6 FOR FLANGE INSTALLATION DETAILS.

**PRODUCT REVISED**  
as complying with the Florida  
Building Code  
NOA-No. **23-0911.06**  
Expiration Date **11/13/2029**  
By   
**Miami-Dade Product Control**


Revision: B) ADD NOTE, HYBRID  
FRAMES.  
- SB - 08/24/23

 <b>Impact Resistant Windows &amp; Doors</b>		PREPARED BY A. LYNN MILLER 1070 TECHNOLOGY DRIVE N. VENICE, FL 34275  (941) 480-1600			REGISTRATION #29296		5/29/2020	
		3780 W 104TH STREET HIALEAH, FL 33018 (305) 593-6590			120 ALUM. HORIZONTAL SLIDING WINDOW (SM)			
		FIN FRAME INSTALLATION DETAILS				JENS ROSOWSKI		
Series		HR120	8 OF 11	DWG No.	HR120SM-NOA	Rev.	B	
Sheet								
Title		120 ALUM. HORIZONTAL SLIDING WINDOW (SM)						
Desc.		FIN FRAME INSTALLATION DETAILS		By Drawn		Date 5/29/2020		





ITEM	PART #	QUANTITY	DESCRIPTION	MATERIAL	MANF./SUPPLIER/REMARKS
E1	CGI-100	—	FRAME JAMB © FIXED GLASS	6063-T6	CGI EXTRUDER
E2	CGI-113	—	FRAME SILL	6063-T6	CGI EXTRUDER
E3	CGI-102	—	FRAME HEAD	6063-T6	CGI EXTRUDER
E4	CGI-103	—	MEETING RAIL	6063-T6	CGI EXTRUDER
E6	CGI-105	—	HANDLE RAIL	6063-T6	CGI EXTRUDER
E7	CGI-106	—	SASH RAIL	6063-T6	CGI EXTRUDER
E8	CGI-107	—	5/16” GLAZING BEAD	6063-T5	CGI EXTRUDER
E9	CGI-108	—	0.700” GLAZING BEAD	6063-T5	CGI EXTRUDER
E10	CGI-109	—	FRONT FLANGE ADAPTOR	6063-T6	CGI EXTRUDER
E11	CGI-110	—	NAIL FIN ADAPTOR	6063-T6	CGI EXTRUDER
E12	CGI-135	—	TF FRAME JAMB © FIXED GLASS	6063-T6	CGI EXTRUDER
E13	CGI-136	—	TF FRAME HEAD	6063-T6	CGI EXTRUDER
E14	CGI-139	—	TF FRAME JAMB	6063-T6	CGI EXTRUDER
E15	CGI-140	—	1” MUNTIN	6063-T5	CGI EXTRUDER
E17	CGI-605	—	SCREEN FRAME	6063-T5	CGI EXTRUDER
E18	CGI-114	—	SILL SNAP IN	6063-T6	CGI EXTRUDER
E19	CGI-115	—	SILL FILLER	6063-T6	CGI EXTRUDER
E20	CGI-116	—	FRAME JAMB	6063-T6	CGI EXTRUDER
E21	CGI-117	—	HD LOCK RAIL	6063-T6	CGI EXTRUDER
E22	CGI-138	—	TF FRAME SILL	6063-T6	CGI EXTRUDER
E23	CGI-109	—	FRONT FLANGE ADAPTOR	6063-T6	CGI EXTRUDER
M1	CGI-382V	AS REQD.	GLAZING BULB VINYL (DUROMETER 75-80 SHORE A)	PVC	—
M2	CGI-111	—	SCREW COVER (OPTIONAL)	PVC	—
M3	CGI-112	3” © ANCHORS	EQUAL LEG COVER/SHIM	PVC	—
M4	—	0.700” X 0.040” BEAD	GE1200 SILICONE	SILICONE	GE
M5	—	0.700” X 0.040” BEAD	DOW 791 OR 899	SILICONE	DOW
M6	—	0.700” X 0.040” BEAD	DOW 983 OR 995	SILICONE	DOW
M7	—	2/ LITE	SETTING BLOCK	EPDM	DUROMETER 80±5 SHORE A
M8	—	—	PROTECTO WRAP WATERPROOFING OR EQUIV.	—	—
M9	684	—	ROLLER TRACK	PVC	—
M10	CGI-128	2 PER SASH	ROLLER HOUSING	NYLON	—
M11	W23201NG	—	PILE WITH CENTER FIN	WOOL	ULTRAFAB OR EQUIV.
M12	CGI-129	1 PER SASH	EGRESS LOCK	ALUM.	SULLIVAN
M13	CGI-131	2 PER SASH	HANDLE RAIL END CAP	NYLON	M&M
M14	391-N	1 PER SASH	ANTILIFT BLOCK	NYLON	M&M
M15	—	OPTIONAL	RETICULATED FOAM 30 PPI	—	—
M16	CGI-134	—	JAMB SPACER	PVC	PROTOTYPE OR EQUIV.
M17	A30730401-32	1 PER WD.	CAM LOCK	ZINC	TRUTH OR EQUIV.
M18	CGI-132	2PER WD. 2”	SASH STOP	PVC	PROTOTYPE
M19	CGI-111	© FR. HEAD	SCREW COVER	PVC	PROTOTYPE
M20	CGI-125	2PER SASH	SASH CAM (B/T BALANCE)	NYLON	M&M
M22	—	VARIES	HI-FLO WEEP COVERS	PVC	AMESBURY OR EQUIV
M24	HD-12-10106	AS REQUIRED	WEDGE GASKETS +/- 75 DUROMETER	TPV	
S2	—	2 OR 3 PER CORNER	# 10 X 1 1/4” LG. PHL. PH. SMS. ST/ST. ASSEMBLY SCREW	—	—
S3	—	1 1/4” EMBED.	# 8 X 1 1/2” LG. PHL. PH. SMS. FIN ANCHOR SCREW	—	—
S4	—	4 PER WD.	# 8 X 1/2” PH. SMS. ST/ST BALANCE BRACKET SCREW	—	—
S5		2 PER WD.	# 8 X 1” LG. FH. SMS. ST/ST. SPIRAL B. ASSEMBLY	—	—
S6	—	—	# 6 X 1/2” LG. FH. SMS. © CGI-133 & CAM LOCK	—	—
S8	—	4 ©M. RAIL	# 10 X 4” LG. PHL. PH. SMS. ST/ST. ASSEMBLY MEETING RAIL	—	—
S9	—	2 PER ANTILIFT	# 10 X 5/8” LG. PHL. PH. SMS. ST/ST. ANTILIFT SCREW	—	—


**PRODUCT REVISED**  
as complying with the Florida  
Building Code  
NOA-No. **23-0911.06**  
Expiration Date **11/13/2029**  
By   
**Miami-Dade Product Control**

Revision:	B) ADD ITEM M24-GLAZING BULB FOR IG GLASS. - SB - 08/24/23
-----------	--

PREPARED BY A. LYNN MILLER  
1070 TECHNOLOGY DRIVE  
N. VENICE, FL 34275

(941) 480-1600

REGISTRATION #29296



3780 W 104TH STREET  
HIALEAH, FL 33018  
(305) 593-6590

120 ALUM. HORIZONTAL SLIDING WINDOW (SM)

BILL OF MATERIALS

120 ALUM. HORIZONTAL SLIDING WINDOW (SM)

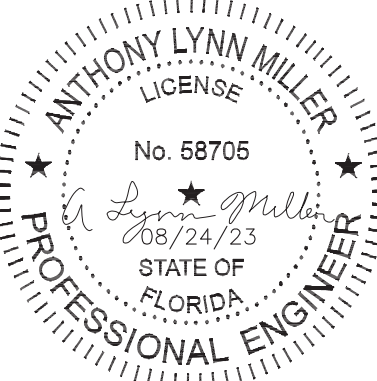
5/29/2020

JENS ROSOWSKI

HR120SM-NOA

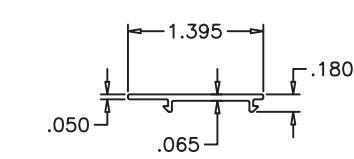
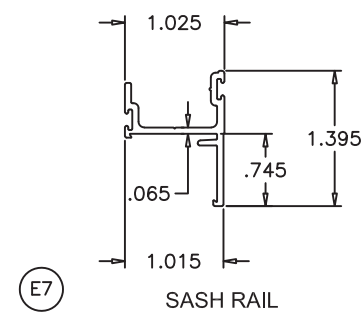
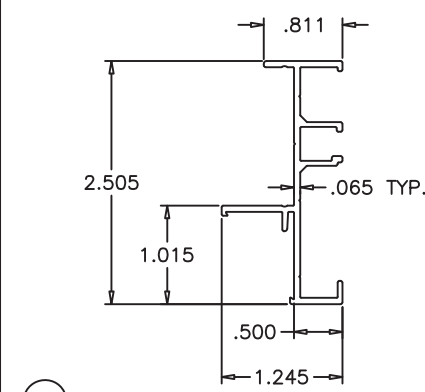
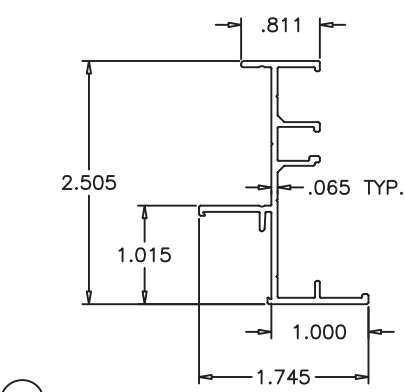
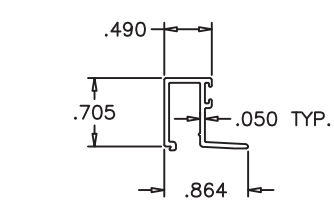
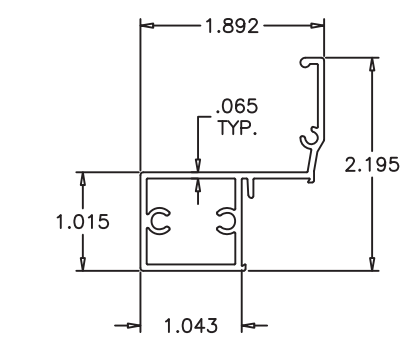
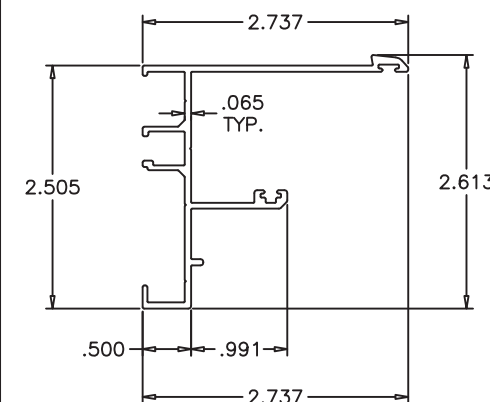
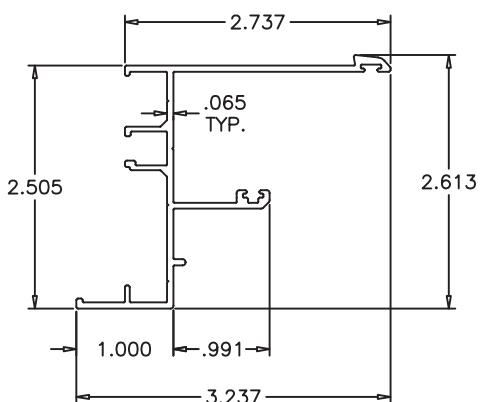
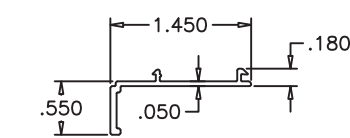
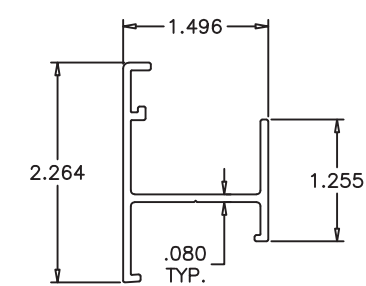
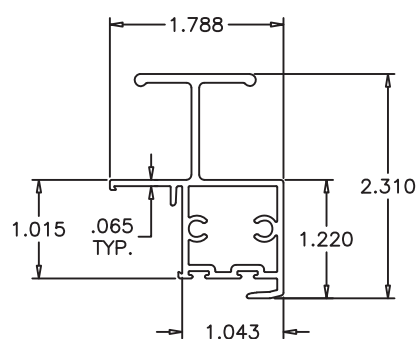
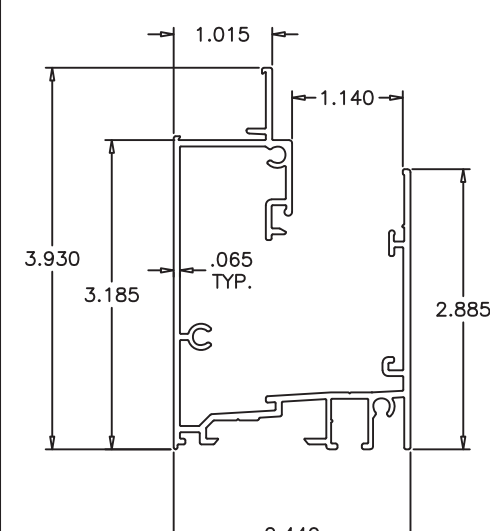
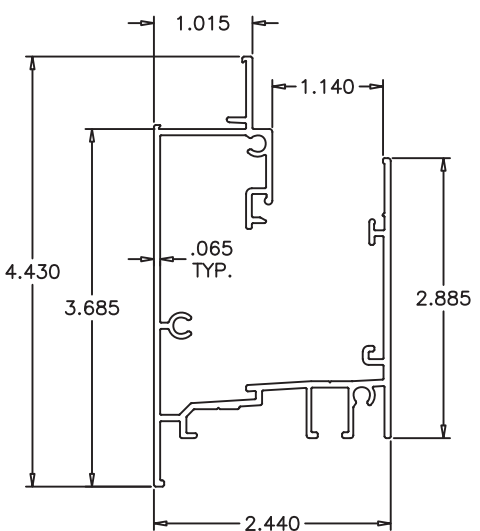
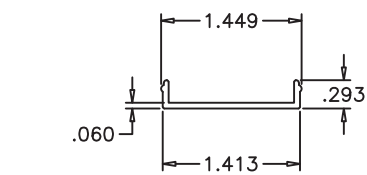
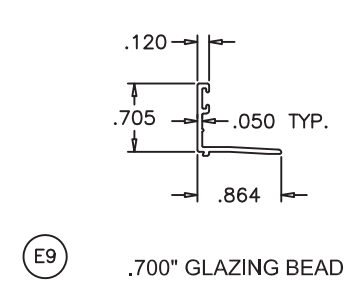
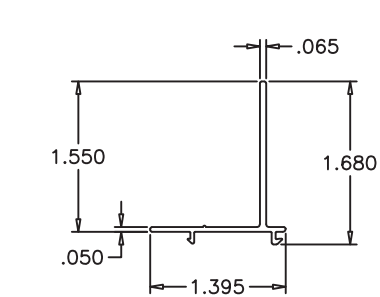
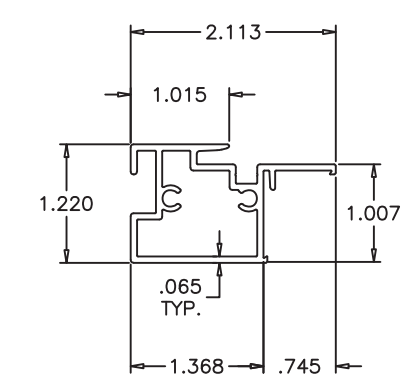
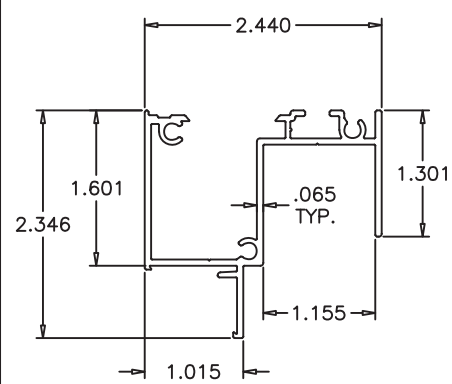
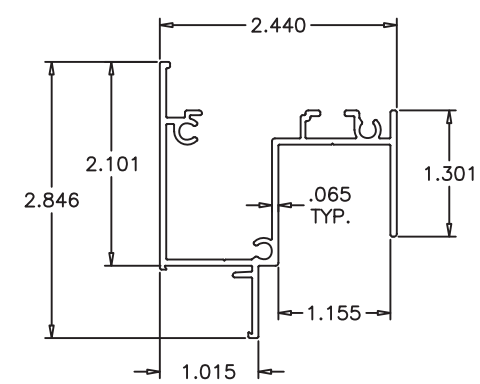
9 OF 11

B



ANTHONY LYNN MILLER  
LICENSE  
No. 58705  
08/24/23  
STATE OF FLORIDA  
PROFESSIONAL ENGINEER  
A. LYNN MILLER, P.E.  
P.E.# 58705





**PRODUCT REVISED**  
as complying with the Florida  
Building Code  
NOA-No. **23-0911.06**

**Expiration Date 11/13/2029**

By   
Miami-Dade Product Control

Revision:

B) NO CHANGES, THIS SHEET.  
- SB - 08/24/23

PREPARED BY A. LYNN MILLER  
1070 TECHNOLOGY DRIVE  
N. VENICE, FL 34275

(941) 480-1600

REGISTRATION #29296

Date	5/29/2020
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ROSOWSKI

NOA	Rev.	B
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**Impact Resistant  
Windows & Doors**

3780 W 104TH STREET  
HIALEAH, FL 33018  
(305) 593-6590

120 ALUM. HORIZONTAL SLIDING WINDOW (SM)	5/29/2020
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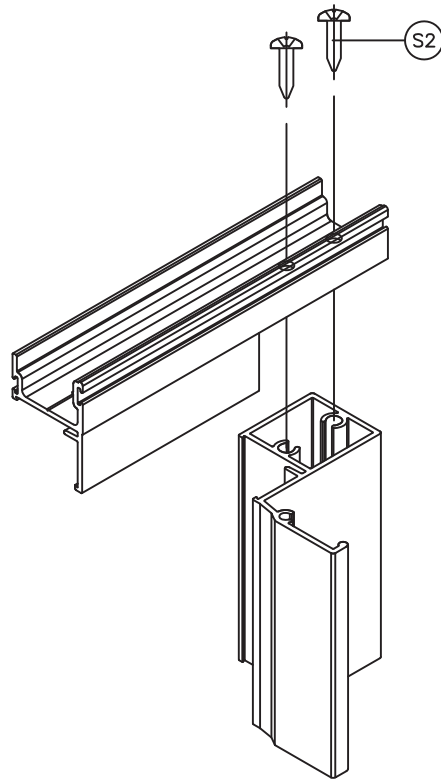
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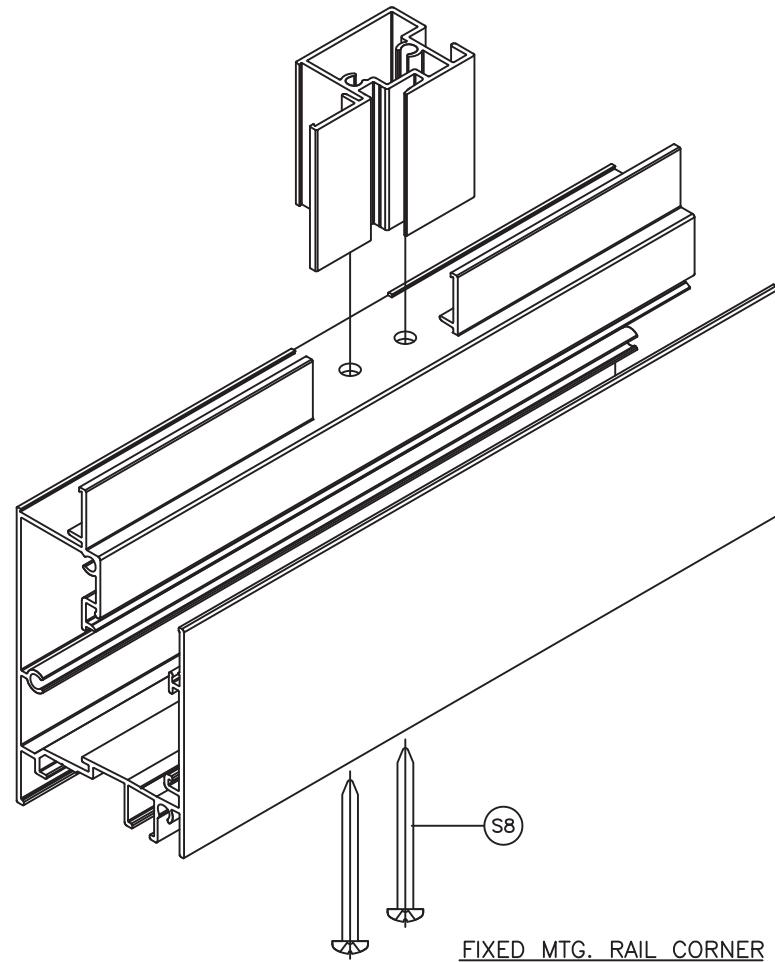
series	HR120
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ANTHONY LYNN MILLER  
LICENSE  
No. 58705  
*Lynn Miller*  
08/24/23  
STATE OF  
FLORIDA  
PROFESSIONAL ENGINEER

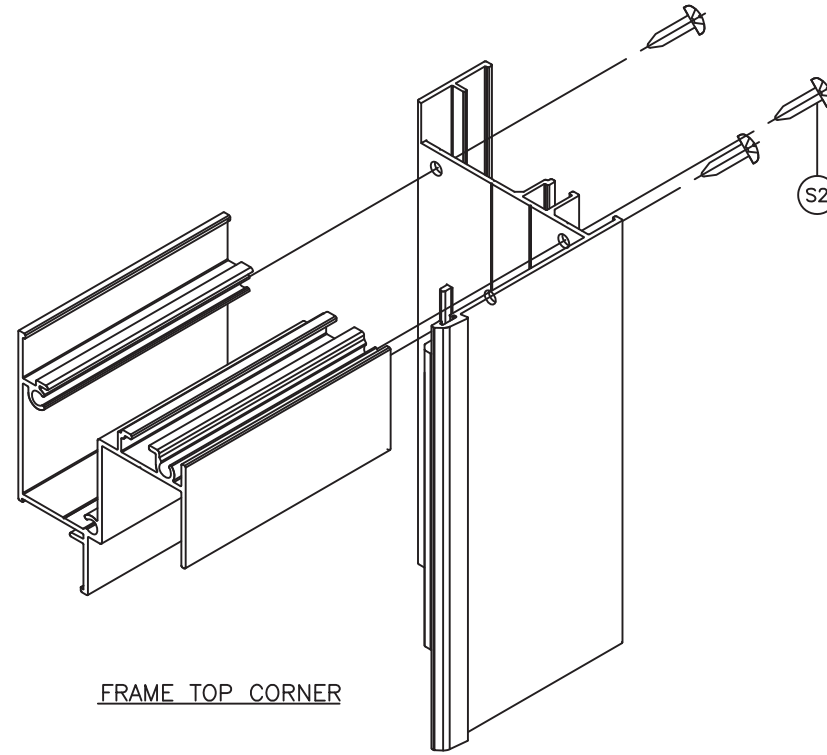
A. LYNN MILLER, P.E.  
P.E.# 58705



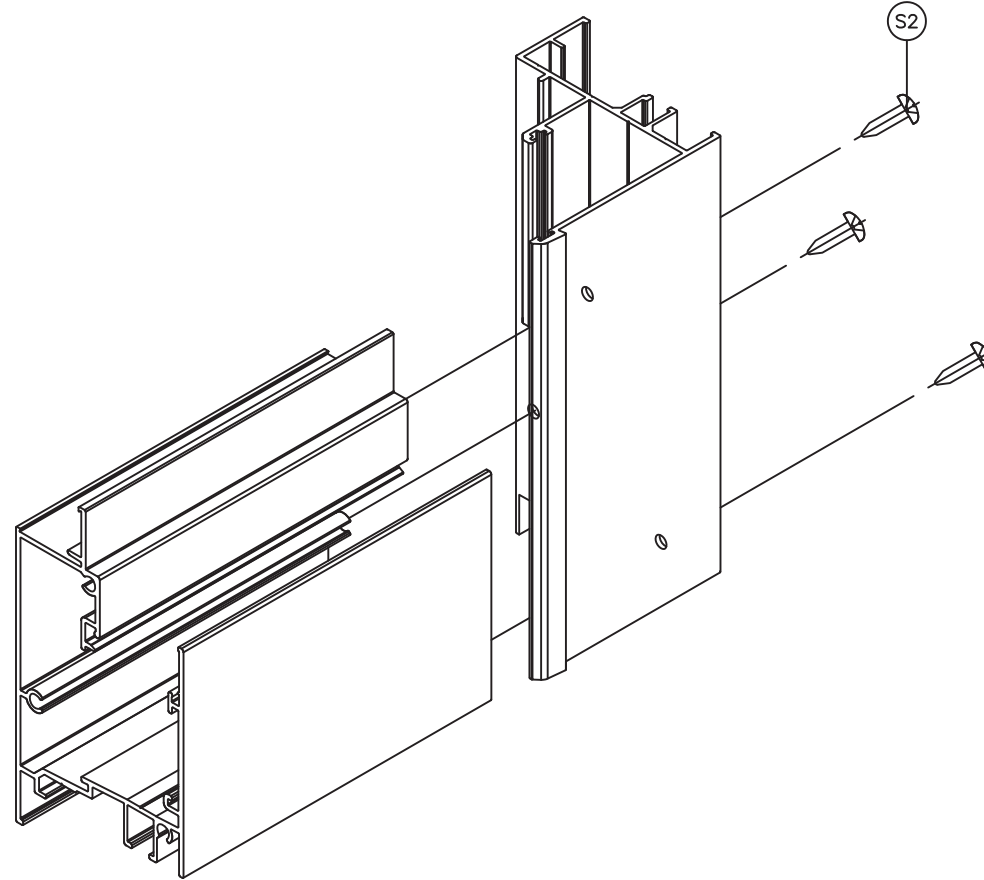
VENT TOP/BOTTOM CORNERS




FIXED MTG. RAIL CORNER



FRAME TOP CORNER



FRAME BOTTOM CORNER

**PRODUCT REVISED**  
as complying with the Florida  
Building Code  
NOA-No. **23-0911.06**  
Expiration Date **11/13/2029**  
By   
**Miami-Dade Product Control**

Revision:  
B) NO CHANGES, THIS  
SHEET.  
- SB - 08/24/23

PREPARED BY A. LYNN MILLER 1070 TECHNOLOGY DRIVE N. VENICE, FL 34275 (941) 480-1600 REGISTRATION #29296	5/29/2020 Date	JENS ROSOWSKI By	HR120SM-NOA Rev.	B
Impact Resistant Windows & Doors 3780 W 104TH STREET HIALEAH, FL 33018 (305) 593-6590	120 ALUM. HORIZONTAL SLIDING WINDOW (SM) Title	CORNER DETAILS Desc.	11 OF 11 Sheet	HR120 "SENTINEL"

