



**MIAMI-DADE COUNTY, FLORIDA
PRODUCT CONTROL SECTION**

11805 SW 26 Street, Room 208

Miami, Florida 33175-2474

T (786) 315-2590 F (786) 315-2599

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

NOTICE OF ACCEPTANCE (NOA)

www.miamidade.gov/economy

CGI Windows and Doors, LLC

3780 W 104th Street

Hialeah, FL 33018

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 110" Aluminum Single Hung Window – L.M.I.

APPROVAL DOCUMENT: Drawing No. SH110-LM-NOA, titled "Series 110 Alum. Single Hung Window (LM)", sheets 1 through 9 of 9, dated 07/02/20, with revision C dated 08/05/25, 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: 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.

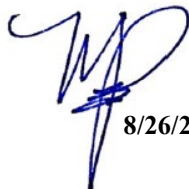
ADVERTISEMENT: The NOA number preceded by the words Miami-Dade County, Florida, and followed by the expiration date may be displayed in advertising literature. If any portion of the NOA is displayed, then it shall be done in its entirety.

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. 23-0911.03 and consists of this page 1 and evidence pages E-1, E-2, E-3, E-4 and E-5, as well as approval document mentioned above.

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




8/26/25

NOA No. 25-0812.07

Expiration Date: September 22, 2030

Approval Date: September 04, 2025

Page 1

CGI Windows and Doors, LLC

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. 10-0510.11)
2. Drawing No **SH110-LM-NOA**, titled "Series 110 Alum. Single Hung Window (LM)", sheets 1 through 9 of 9, dated 07/02/20, with revision **B** dated 08/24/23, prepared by manufacturer, signed and sealed by Anthony Lynn Miller, P.E.
(Submitted under NOA No. 23-0911.03)

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 ASTM F588 and TAS 202-94

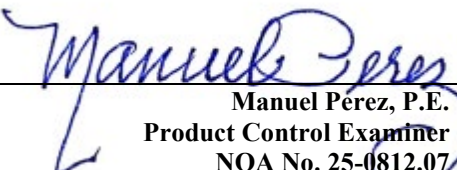
along with marked-up drawings and installation diagram of all PGT Industries, Inc. CGI Windows and Doors, Inc., representative units listed below and tested to qualify **Dowsil 791** and **Dowsil 983** silicones, per Proposal #**19-1155TP**, prepared by Fenestration Testing Laboratory, Inc., Test Reports No.:

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. 20-0722.09)


Manuel Perez, P.E.
Product Control Examiner
NOA No. 25-0812.07
Expiration Date: September 22, 2030
Approval Date: September 04, 2025

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

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

B. TESTS (CONTINUED)

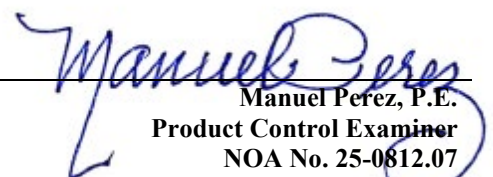
2. Test reports on: 1) Uniform Static Air Pressure Test, Loading per FBC TAS 202-94
2) Large Missile Impact Test per FBC, TAS 201-94
3) Cyclic Wind Pressure Loading per FBC, TAS 203-94
along with marked-up drawings and installation diagram to qualify DuPont "Butacite"
PVB interlayer, Duraseal® and Super Spacer® insulating glass spacer,
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 and Test Report No. **CTLA-3056 WC** - Series 238 aluminum fixed window,
dated 04/16/15, prepared by Certified Test Laboratories, all signed and sealed by
Ramesh C. Patel, P.E.
(Submitted under NOA No. 15-0512.09)
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) Forced Entry Test, per FBC 2411.3.2.1, and TAS 202-94
5) Large 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 "Sentinel"
aluminum single hung window, prepared by Hurricane Test Laboratory, LLC, Test
Report No. **HTL-0080-0101-10**, dated 02/03/10, signed and sealed by Vinu J.
Abraham, P.E.
(Submitted under NOA No. 10-0510.11)

C. CALCULATIONS

1. Anchor verification calculations and structural analysis, complying with FBC 7th
Edition (2020), dated 07/11/20, prepared by manufacturer, signed and sealed by
Anthony Lynn Miller, P.E.
(Submitted under NOA No. 20-0722.09)
2. Glazing complies with **ASTM E1300-09**

D. QUALITY ASSURANCE

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


Manuel Perez, P.E.
Product Control Examiner
NOA No. 25-0812.07
Expiration Date: September 22, 2030
Approval Date: September 04, 2025

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

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

E. MATERIAL CERTIFICATIONS

1. Notice of Acceptance No. **23-0717.26** issued to **Kuraray America, Inc.** for their "**Kuraray SentryGlas® Xtra™ (SGX™) Clear Glass Interlayer**" dated 08/24/23, expiring on 05/23/29.
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.
3. Notice of Acceptance No. **23-0713.21** issued to **Eastman Chemical Company (MA)** for their "**Saflex® Storm - Saflex® and Saflex® HP Composite Interlayers with PET Core Laminated Glass**" dated 08/17/23, expiring on 12/11/28.
4. 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 7th Edition (2020)** and the **FBC 8th Edition (2023)**, dated September 07, 2023, issued by manufacturer, signed and sealed by Anthony Lynn Miller, P.E.
(Submitted under NOA No. 23-0911.03)
2. Statement letter of no financial interest, dated September 07, 2023, issued by manufacturer, signed and sealed by Anthony Lynn Miller, P.E.
(Submitted under NOA No. 23-0911.03)
3. Notification of Successor Engineer for manufacturer's NOA document per **Section 61G15-27.001** of the **Florida Administrative Code**, notifying original engineer that the successor engineer is assuming full professional and legal responsibility for all engineering documents pertaining to this NOA, dated July 16, 2020, signed and sealed by Anthony Lynn Miller, P.E.
(Submitted under NOA No. 20-0722.09)

G. OTHERS

1. Notice of Acceptance No. **20-0722.09**, issued to CGI Windows & Doors, Inc. for their Series "Sentinel 110" Aluminum Single Hung Window - L.M.I., approved on 09/10/20 and expiring on 09/22/25.


Manuel Pérez, P.E.
Product Control Examiner
NOA No. 25-0812.07
Expiration Date: September 22, 2030
Approval Date: September 04, 2025

CGI Windows and Doors, LLC

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

2. NEW EVIDENCE SUBMITTED

A. DRAWINGS

1. Drawing No. **SH110-LM-NOA** titled “Series 110 Alum. Single Hung Window (LM)”, sheets 1 through 9 of 9, dated 07/02/20, with revision **C** dated 08/05/25, prepared by manufacturer, signed and sealed by Anthony Lynn Miller, P.E.

B. TESTS

1. None.

C. CALCULATIONS

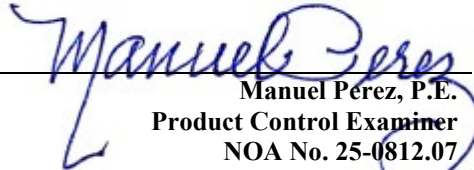
1. None.

D. QUALITY ASSURANCE

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

E. MATERIAL CERTIFICATIONS

1. 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. **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.
3. Notice of Acceptance No. **24-0312.10** issued to **Eastman Chemical Company (MA)** for their “**Saflex® Storm - Saflex® and Saflex® HP Composite Interlayers with PET Core Laminated Glass**” dated 04/11/24, expiring on 12/11/28.
4. 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.


Manuel Perez, P.E.
Product Control Examiner
NOA No. 25-0812.07
Expiration Date: September 22, 2030
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CGI Windows and Doors, LLC

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

2. NEW EVIDENCE SUBMITTED (CONTINUED)

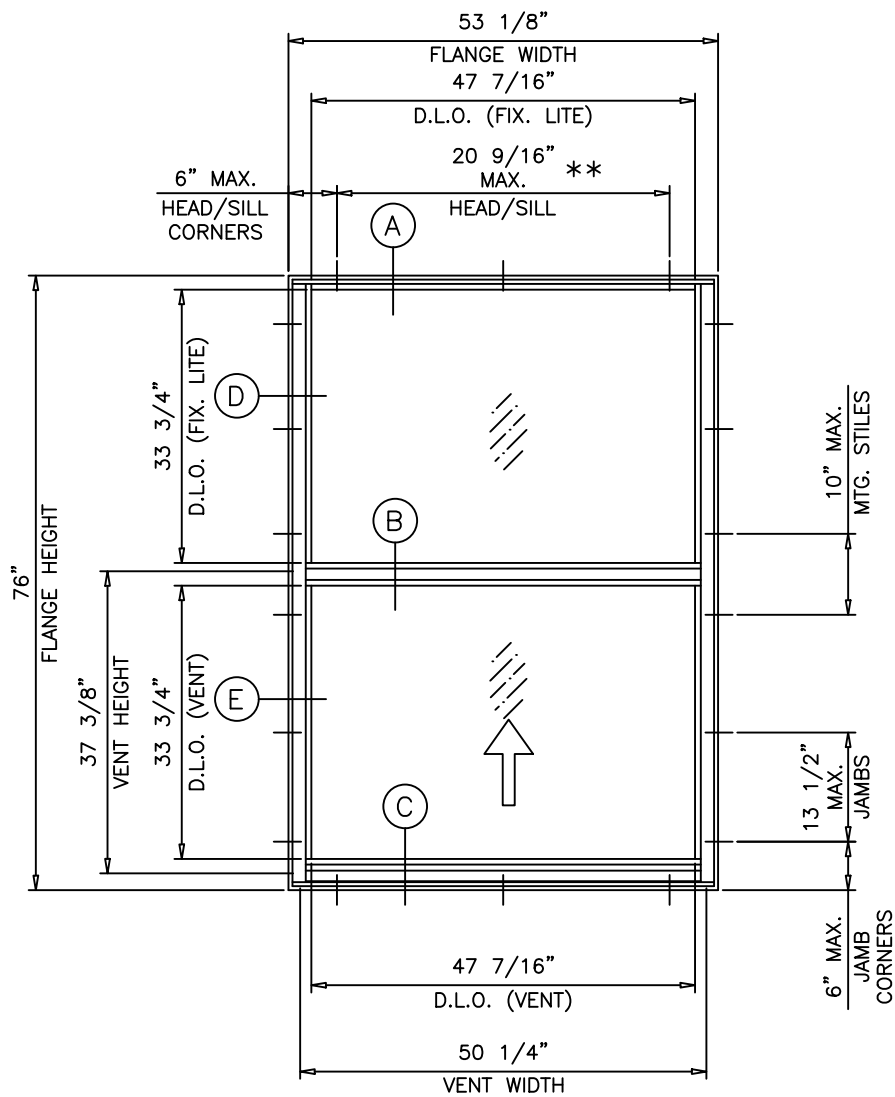
F. STATEMENTS

1. Statement letter of conformance, complying with **FBC 8th Edition (2023)**, dated August 07, 2025, issued by manufacturer, signed and sealed by Anthony Lynn Miller, P.E.
2. Statement letter of no financial interest, dated August 07, 2025, issued by manufacturer, signed and sealed by Anthony Lynn Miller, P.E.
3. Article of conversion of PGT Industries, Inc. to PGT Industries, LLC pdf provided on Certificate of Conversion dated March 28, 2024, issued by the State of Delaware, CGI Windows and Doors, LLC formation from CGI Windows and Doors, Inc. signed by Mathew D. Sotto.
4. Florida Department of State, Division of Corporation listing # M240000058609 of CGI Windows and Doors, LLC as active status since 07/08/24.
5. Florida Department of State, Division of Corporation listing # F03387 of PGT Industries, Inc as Inactive status, from 07/08/24.
6. CGI Name change organization chart layout prepared by RER (for file use only).

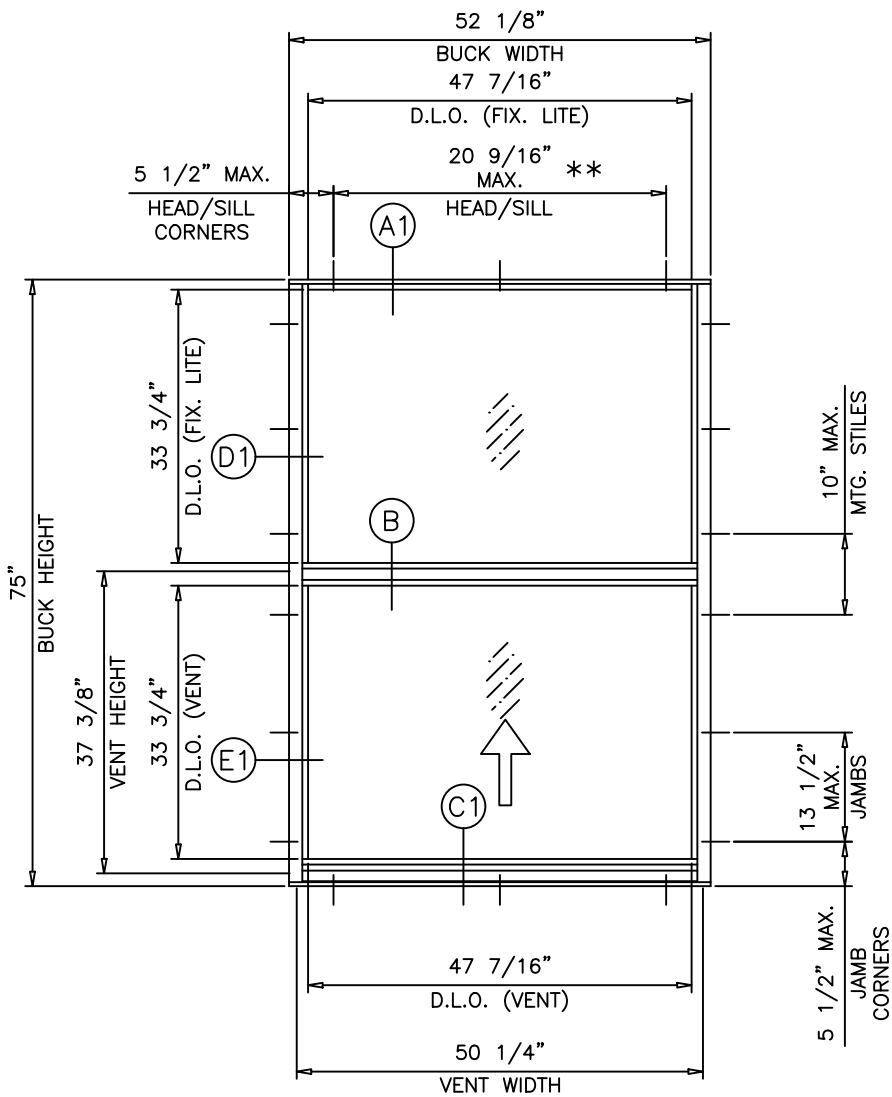
G. OTHERS

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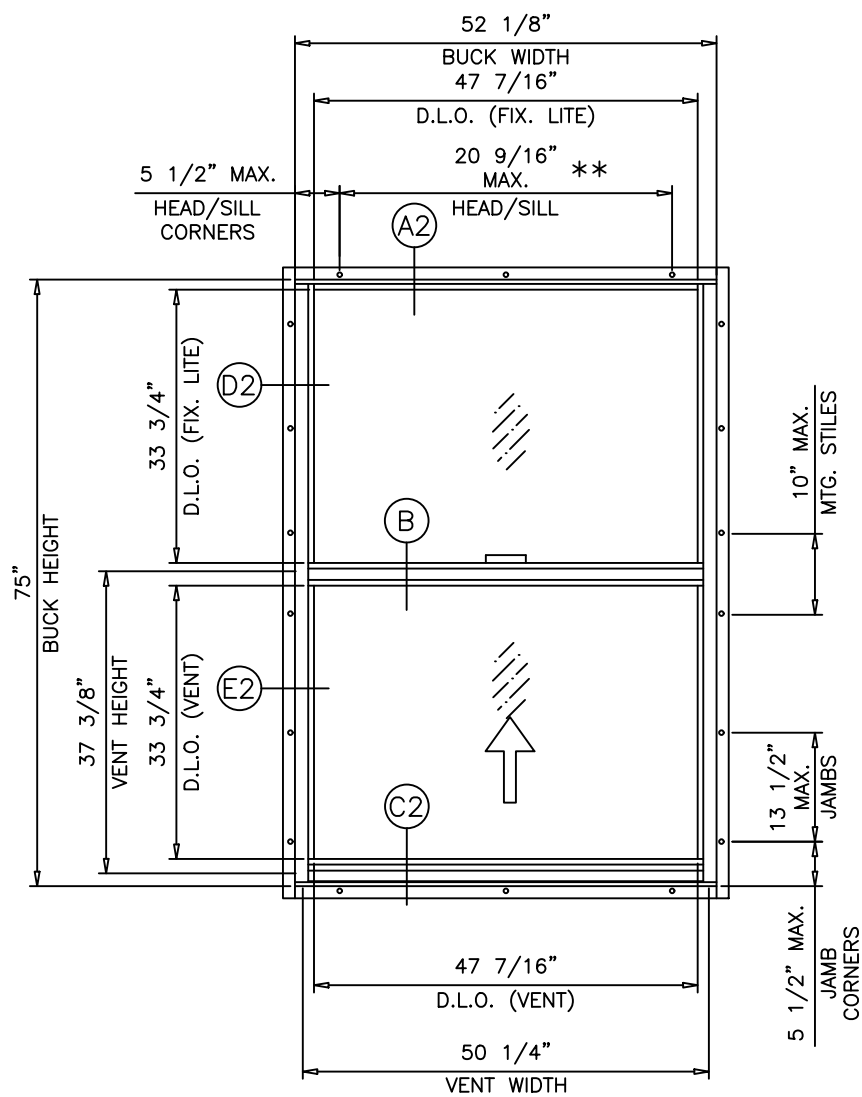

Manuel Pérez, P.E.
Product Control Examiner
NOA No. 25-0812.07
Expiration Date: September 22, 2030
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FLANGE & FLANGE ADAPTOR FRAME



EQUAL LEG FRAME



FIN FRAME

SERIES SENTINEL 110 ALUMINUM SINGLE HUNG WINDOW
LARGE & SMALL MISSILE (LM & SM)

DESIGN LOAD RATINGS FOR THESE WINDOWS TO BE AS PER CHARTS SHOWN ON SHEET 2.

APPROVAL APPLIES TO SINGLE UNITS OR SIDE BY SIDE COMBINATIONS OF S.H./S.H. OR SINGLE HUNG WINDOW WITH OTHER MIAMI-DADE COUNTY APPROVED WINDOWS USING MIAMI-DADE COUNTY APPROVED 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 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 BASED 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. MAXIMUM SHIM SPACING TO BE 18" WHEN INSTALLING THROUGH THE INTEGRAL FIN.

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

FRAME FLANGES MAY BE TRIMMED AS NEEDED. 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.

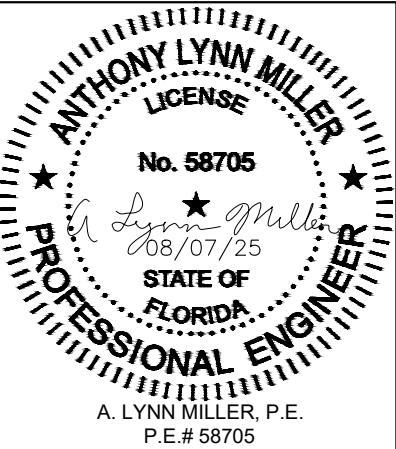
** CENTER ANCHOR REQUIRED WHEN SPACING EXCEEDS 20 9/16"

LAMINATED GLASS
INSULATING LAM. GLASS
SMALL MISSILE IMPACT
LARGE MISSILE IMPACT

PRODUCT REVISED
As complying with the Florida Building Code
NOA-No. 25-0812.07
Expiration Date: 09/22/2030
By: Manuel Torres
Miami-Dade Product Control

ADD NOTES: SHIM SPACING, REMOVE 2020 FBC- AM - 08/05/25

 Impact Resistant Windows & Doors WE'RE STRONGER™		3780 W 104TH STREET HIALEAH, FL 33018 (305) 593-6590		REGISTRATION #29296		SERIES 110 ALUM. SINGLE HUNG WINDOW (LM)		Date		07/02/20	
PREPARED BY A. LYNN MILLER 1070 TECHNOLOGY DRIVE N. VENICE, FL 34275 (941) 480-1600		ELEVATIONS		By JENS ROSOWSKI		DWG No.		SH110-LM-NOA		Rev.	
										C	
Sheet		1 OF 9									
SH110 "SENTINEL"											
Series Desc.											

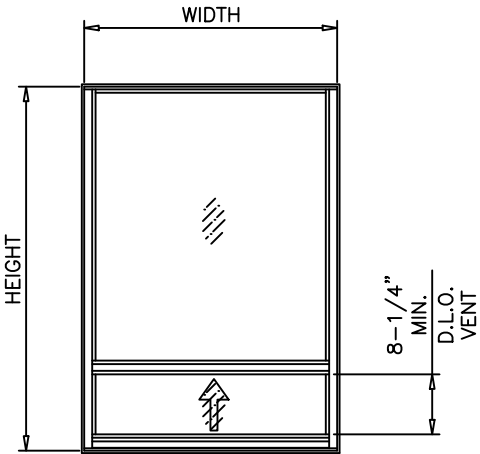


Equal Lite Windows								
Window Design Pressue (+/- psf) for Glass Types A & A1								
Window Dimensions			Height (in.)					
	Flange Dims		26	38-3/8	50-5/8	63	76	85
	↓	→ Buck Dims	25	37-3/8	49-5/8	62	75	84
Width (in.)	19-1/8	18- 1/8	+75 /-75	+75 /-75	+75 /-75	+75 /-75	+75 /-75	+75 /-75
	26-1/2	25-1/2	+75 /-75	+75 /-75	+75 /-75	+75 /-75	+75 /-75	+75 /-75
	37	36	+75 /-75	+75 /-75	+75 /-75	+75 /-75	+75 /-75	+75 /-75
	46-1/2	45-1/2	+75 /-75	+75 /-75	+75 /-75	+75 /-75	+75 /-75	+75 /-75
	49	48	+75 /-75	+75 /-75	+75 /-75	+75 /-75	+75 /-75	
	53-1/8	52-1/8	+75 /-75	+75 /-75	+75 /-75	+75 /-75	+75 /-75	

Equal Lite Windows								
Window Design Pressue (+/- psf) for Glass Types B & B1								
Window Dimensions			Height (in.)					
	Flange Dims		26	38-3/8	50-5/8	63	76	85
	↓	→ Buck Dims	25	37-3/8	49-5/8	62	75	84
Width (in.)	19-1/8	18- 1/8	+80 /-85	+80 /-85	+80 /-85	+80 /-85	+80 /-85	+80 /-85
	26-1/2	25-1/2	+80 /-85	+80 /-85	+80 /-85	+80 /-85	+80 /-85	+80 /-85
	37	36	+80 /-85	+80 /-85	+80 /-85	+80 /-85	+80 /-85	+80 /-85
	46-1/2	45-1/2	+80 /-85	+85 /-80	+85 /-80	+85 /-85	+80 /-85	+80 /-85
	49	48	+80 /-85	+80 /-85	+80 /-85	+80 /-85	+80 /-85	
	53-1/8	52-1/8	+80 /-85	+80 /-85	+80 /-85	+80 /-85	+80 /-85	

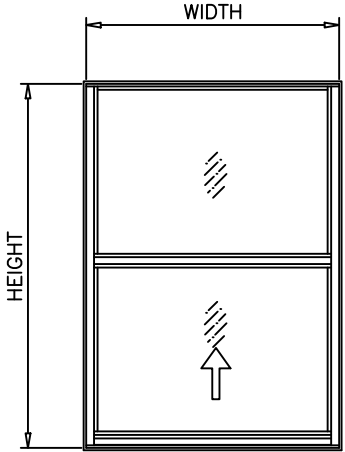
Unequal Lite Windows					
Window Design Pressue (+/- psf) for Glass Types A & A1					
Window Dimensions		Height (in.)			
	Flange Dims		76	79	85
	↓	→ Buck Dims	75	78	84
Width (in.)	26-1/2	25-1/2	+75 /-75	+75 /-75	+75 /-75
	31	30	+75 /-75	+75 /-75	+75 /-75
	33	32	+75 /-75	+75 /-75	+75 /-75
	37	36	+75 /-75	+75 /-75	+75 /-75
	43	42	+75 /-75	+75 /-75	+75 /-75
	49	48	+75 /-75	+75 /-75	
	53-1/8	52-1/8	+75 /-75		

Unequal Lite Windows					
Window Design Pressue (+/- psf) for Glass Types B & B1					
Window Dimensions		Flange Height (in.)			
	Flange Dims		76	79	85
	↓	→ Buck Dims	75	78	84
Width (in.)	26-1/2	25-1/2	+80 /-85	+80 /-85	+80 /-85
	31	30	+80 /-85	+80 /-85	+80 /-85
	33	32	+80 /-85	+80 /-85	+80 /-85
	37	36	+80 /-85	+80 /-85	+80 /-85
	43	42	+80 /-85	+80 /-85	+80 /-85
	49	48	+80 /-85	+80 /-85	
	53-1/8	52-1/8	+80 /-85		

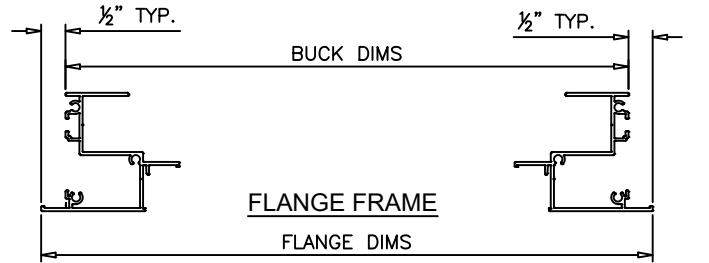


UNEQUAL LITE (ORIEL TYPE)

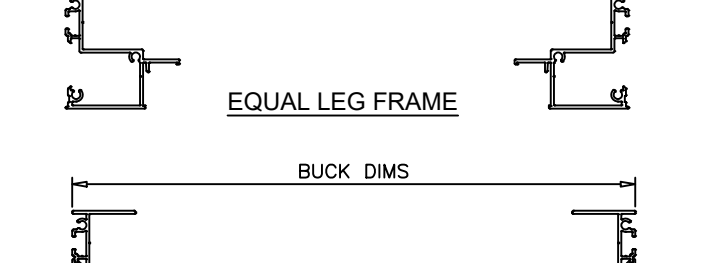
NOTES:
1. GLASS CAPACITIES ON THIS SHEET ARE BASED
ON ASTM E1300-09 (3 SEC. GUSTS).



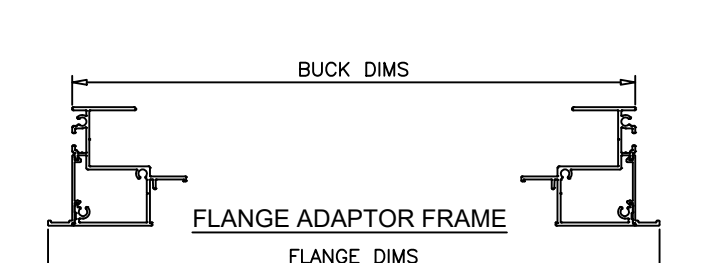
EQUAL LITE



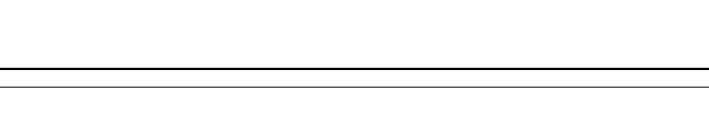
FLANGE FRAME



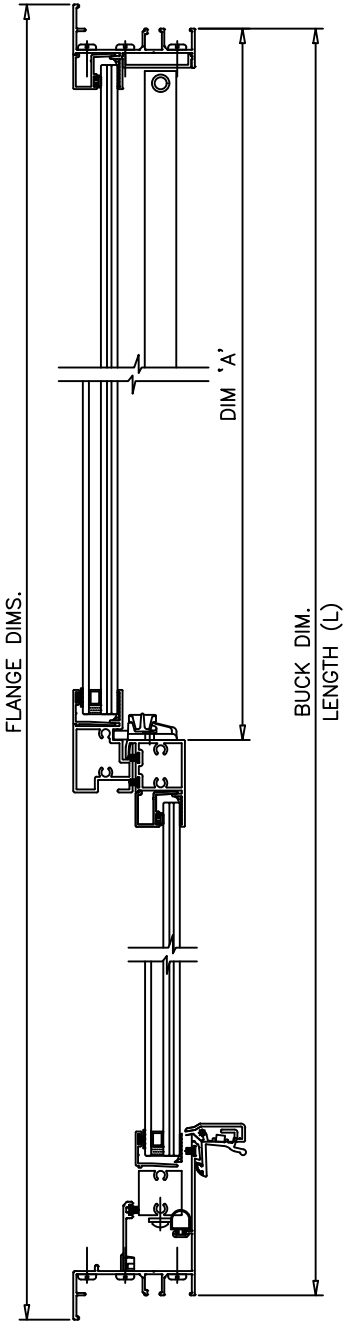
EQUAL LEG FRAME



FIN FRAME



FLANGE ADAPTOR FRAME



UNEQUAL LITE (ORIEL TYPE)

PRODUCT REVISED
As complying with the Florida
Building Code
NOA-No. **25-0812.07**
Expiration Date: **09/22/2030**
By: *Manuel Ferrer*
Miami-Dade Product Control

Revision: NO CHANGES THIS SHEET.
- AM

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

Impact Resistant
Windows & Doors
WE'RE STRONGER™



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

REGISTRATION #29296

SERIES 110 ALUM. SINGLE HUNG WINDOW (LM)

DESIGN PRESSURE TABLES

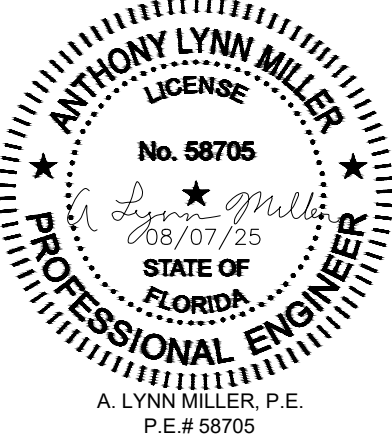
SH110
"SENTINEL"

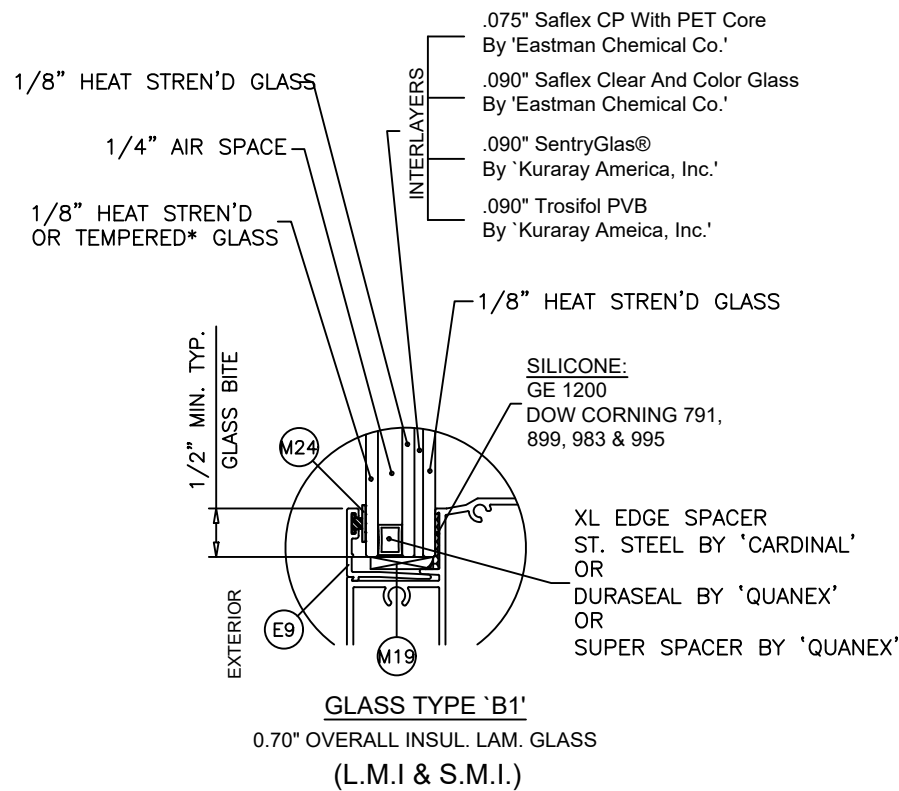
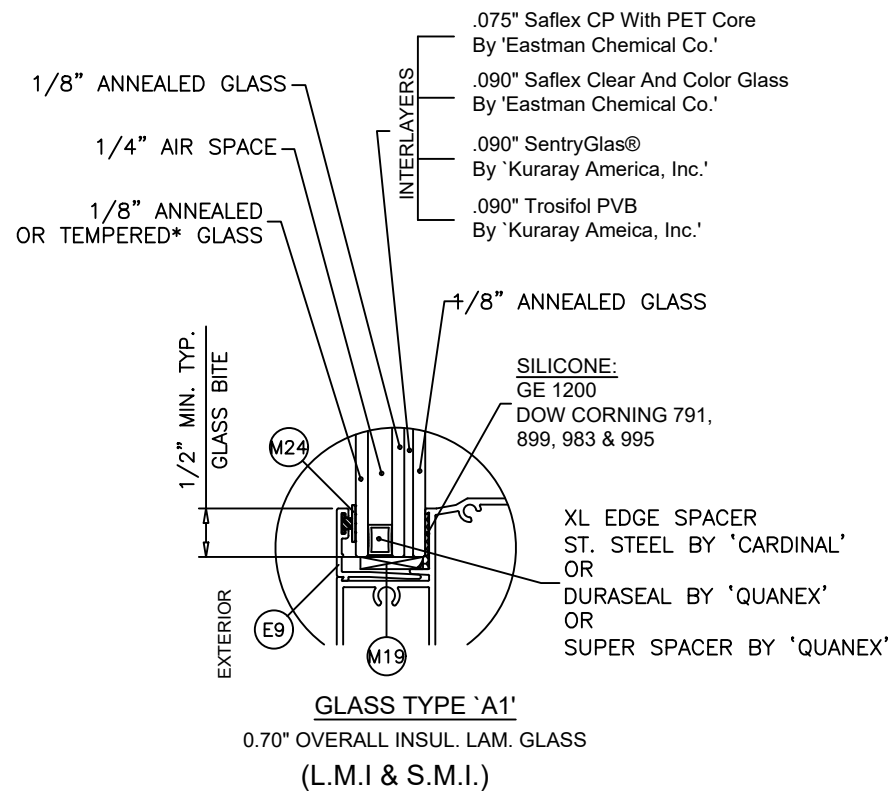
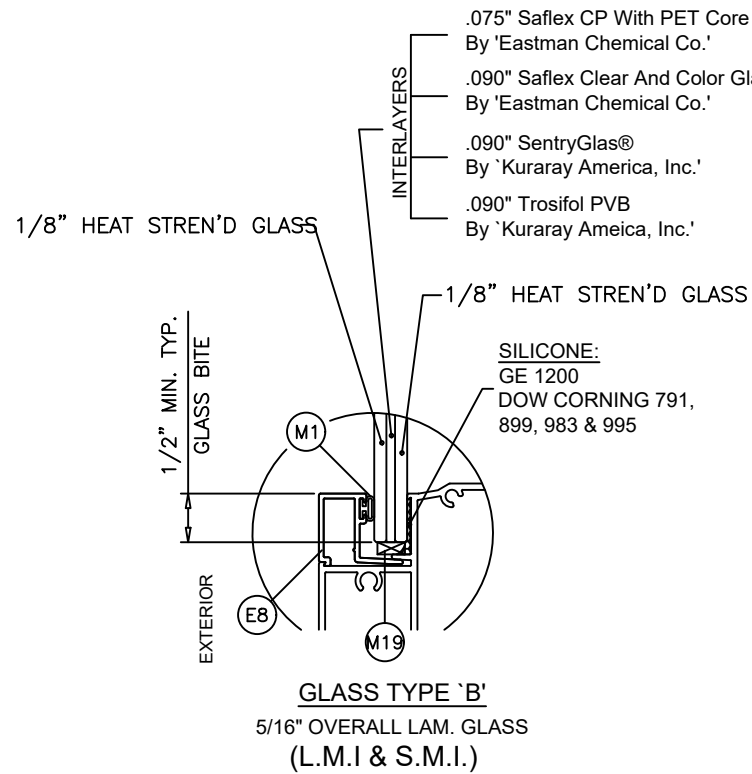
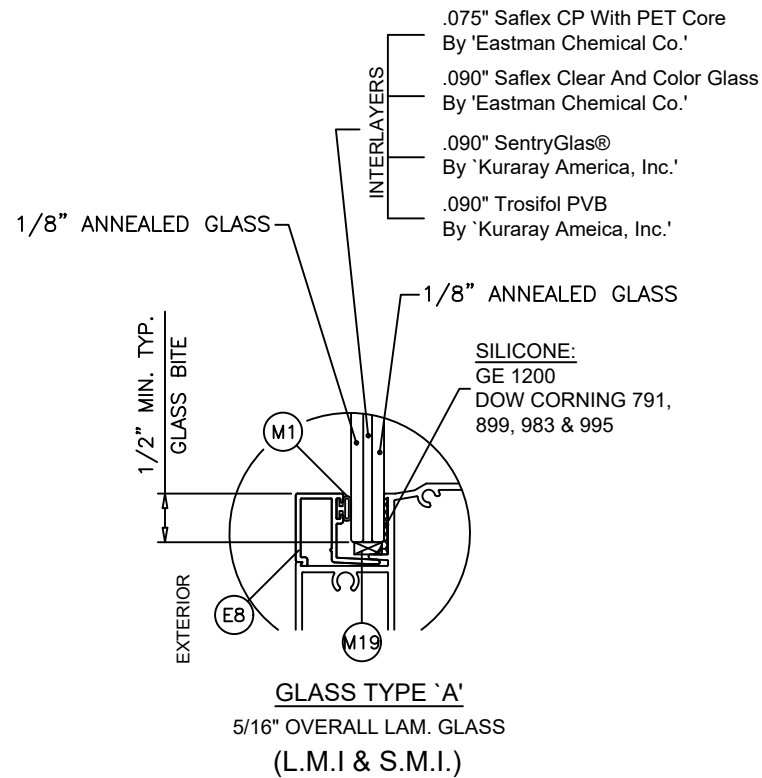
07/02/20

JENS ROSOWSKI

SH110-LM-NOA

C



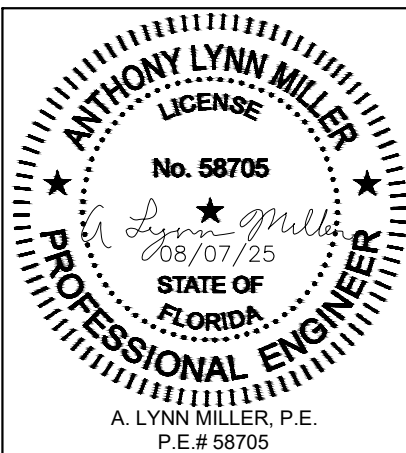


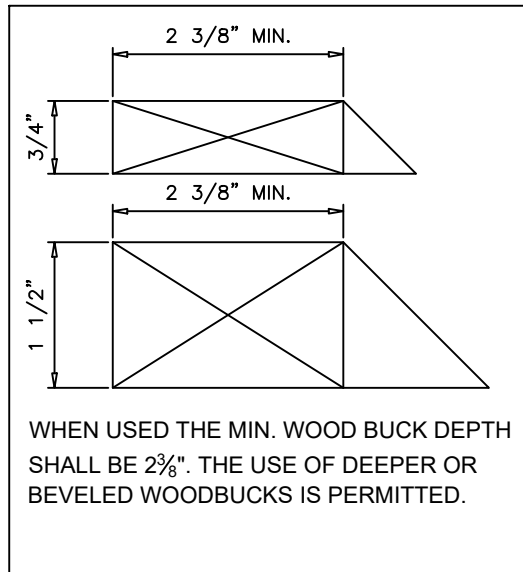
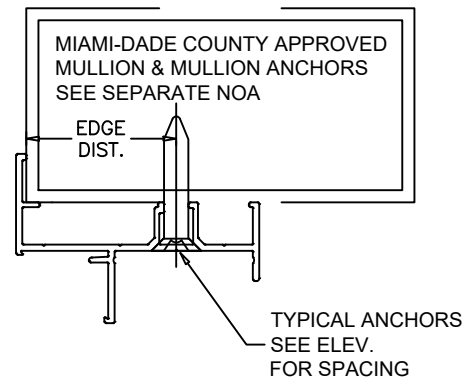
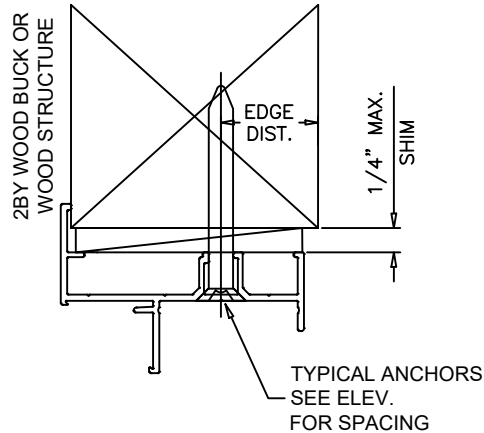
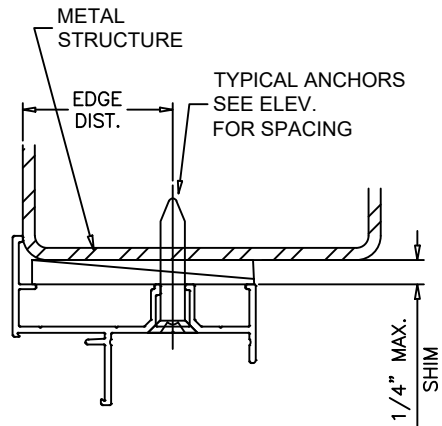
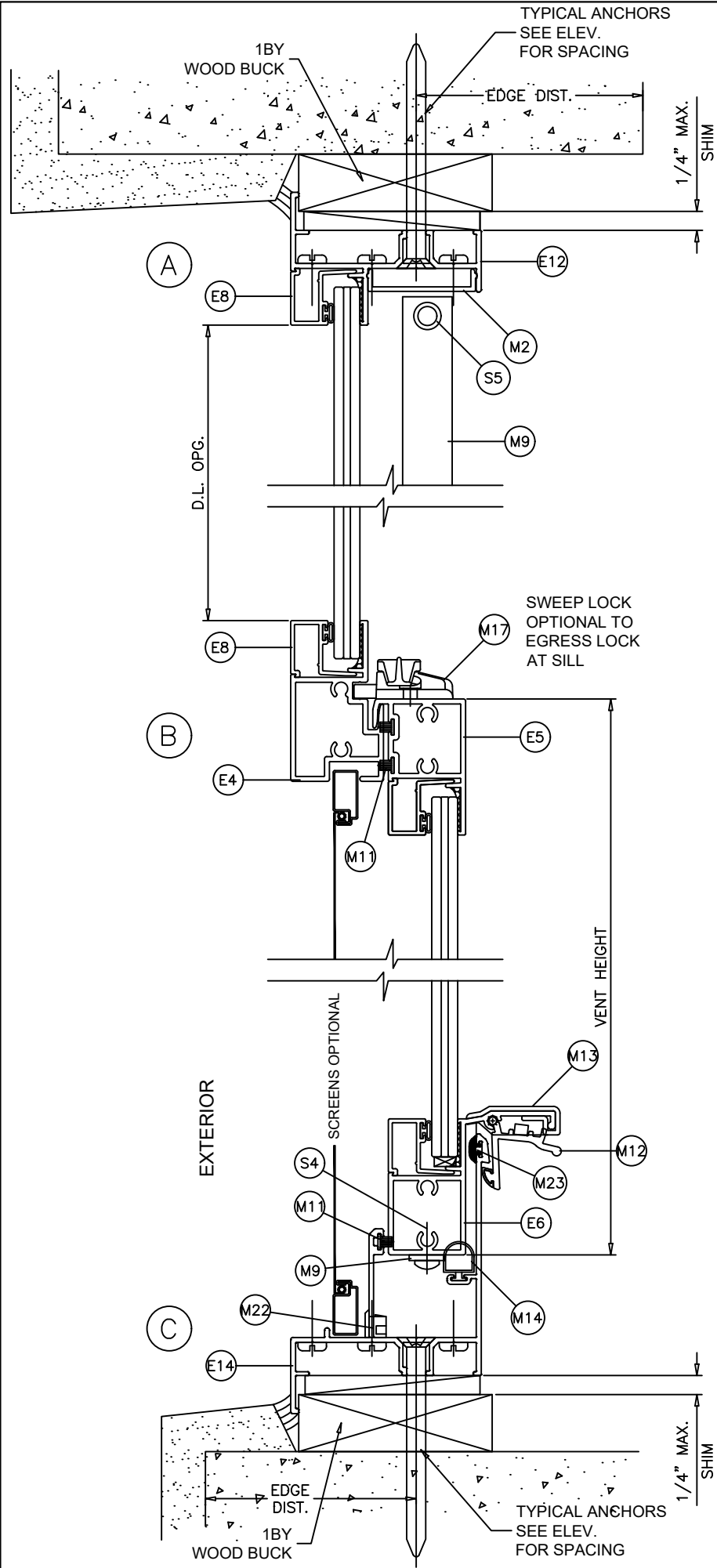
* FOR INSULATED GLASS INSTALLATIONS ABOVE 30' IN THE HVHZ, OR FOR SAFETY GLAZING APPLICATIONS PER THE FBC, THE OUTBOARD LITE (CAP) MUST BE TEMPERED.

PRODUCT REVISED
As complying with the Florida
Building Code
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Expiration Date: **09/22/2030**
By: *Manuel Torres*
Miami-Dade Product Control

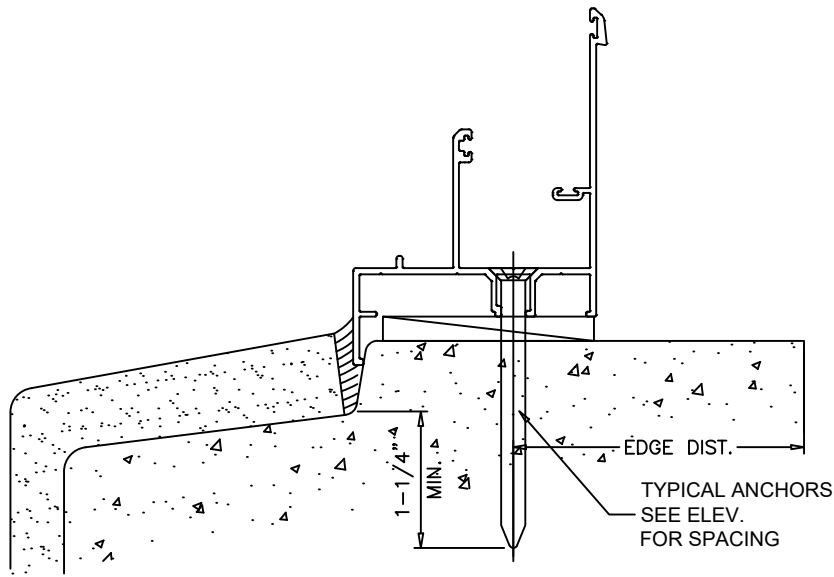
Revision: NO CHANGES THIS SHEET.
- AM

PREPARED BY A. LYNN MILLER 1070 TECHNOLOGY DRIVE N. VENICE, FL 34275 (941) 480-1600 REGISTRATION #29296	By JENS ROSOWSKI	Date 07/02/20	Rev. C
Impact Resistant Windows & Doors WE'RE STRONGER™ 3780 W 104TH STREET HIALEAH, FL 33018 (305) 593-6590	GLASS OPTIONS	SERIES 110 ALUM. SINGLE HUNG WINDOW (LM)	DWG No.
Sheet "SENTINEL"	3 OF 9	GLASS OPTIONS	Rev.





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



FLANGE & FLANGE ADAPTOR FRAME

TYPICAL ANCHORS: SEE ELEV. FOR SPACING

1/4" DIA. TAPCON BY 'ITW' (Fu=125 KSI, Fy=100 KSI)

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

THRU 1BY BUCKS INTO CONC. OR BLOCKS
1-1/4" MIN. EMBED INTO CONCRETE (HEAD/SILL/JAMBS)
1-1/4" MIN. EMBED INTO BLOCKS (JAMBS)

DIRECTLY INTO CONCRETE OR BLOCKS
1-1/4" MIN. EMBED INTO CONCRETE (HEAD/SILL/JAMBS)
1-1/4" MIN. EMBED INTO BLOCKS (JAMBS)

#14 SMS OR SELF DRILLING SCREWS (Fu=74 KSI, Fy=57 KSI)

INTO MIAMI-DADE COUNTY APPROVED MULLIONS 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

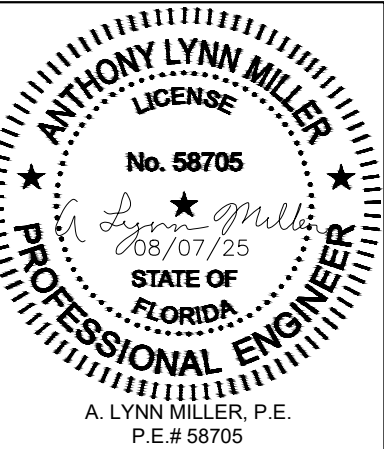
INTO CONCRETE AND MASONRY = 2-1/2" MIN.
INTO WOOD STRUCTURE = 1" MIN.
INTO METAL STRUCTURE = 3/4" MIN.

WOOD AT HEAD, SILL OR JAMBS SG=0.55 MIN.
CONCRETE AT HEAD, SILL OR JAMBS f_c = 3000 PSI MIN.
C-90 HOLLOW/FILLED BLOCK AT JAMBS f_m = 2000 PSI MIN.

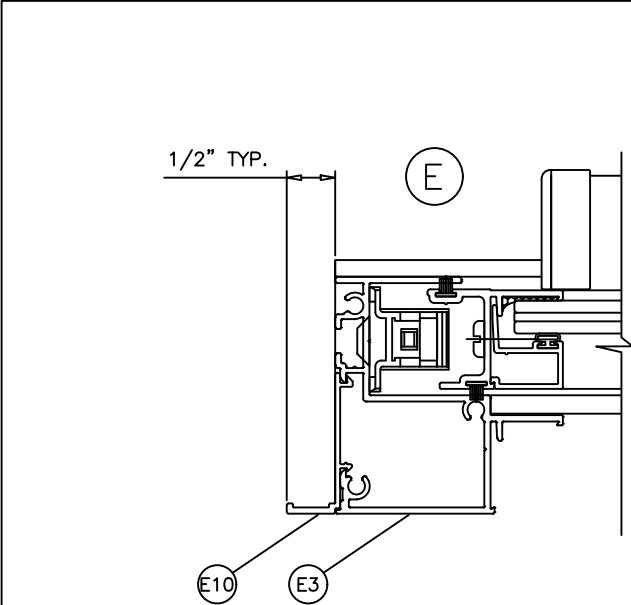
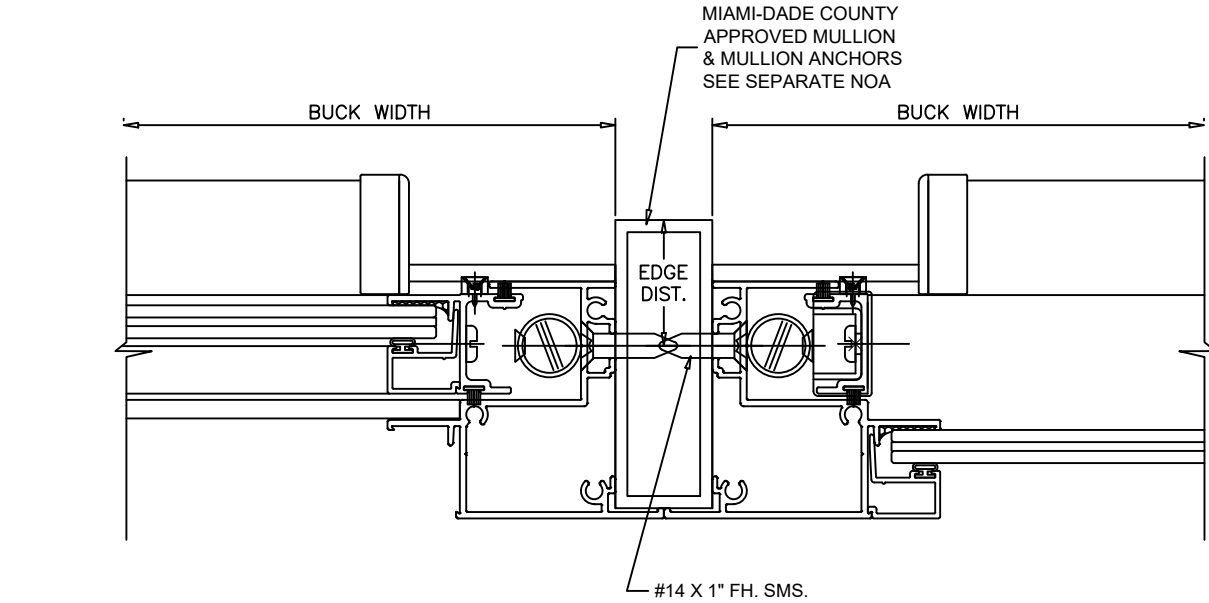
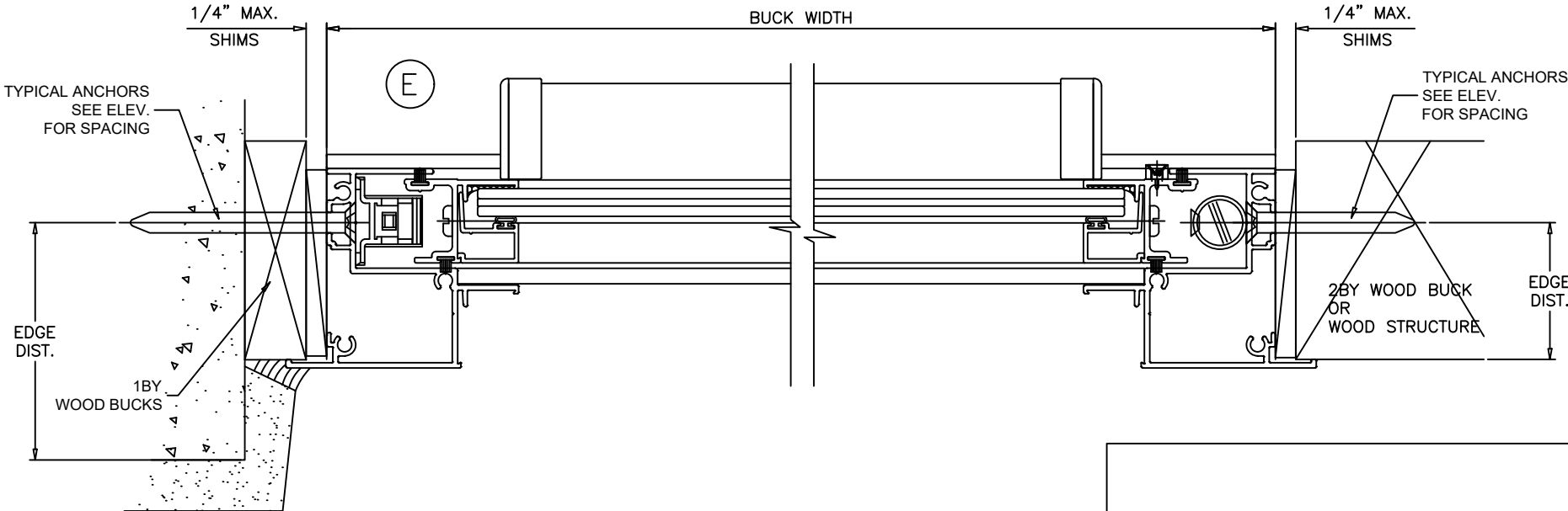
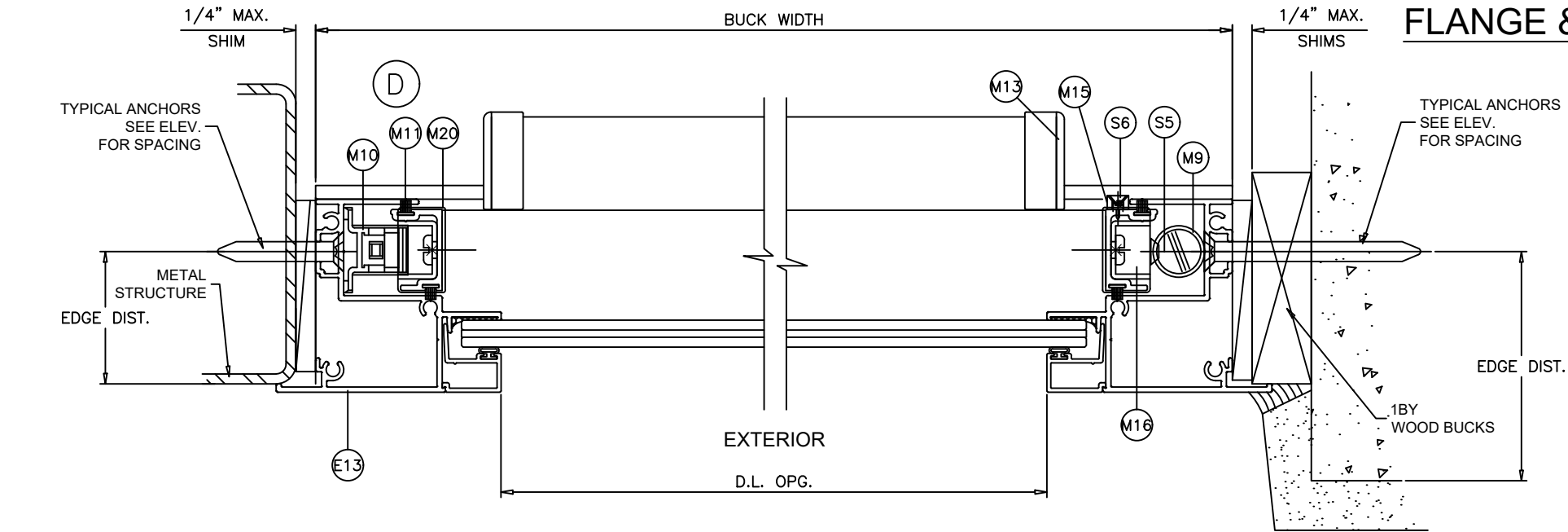
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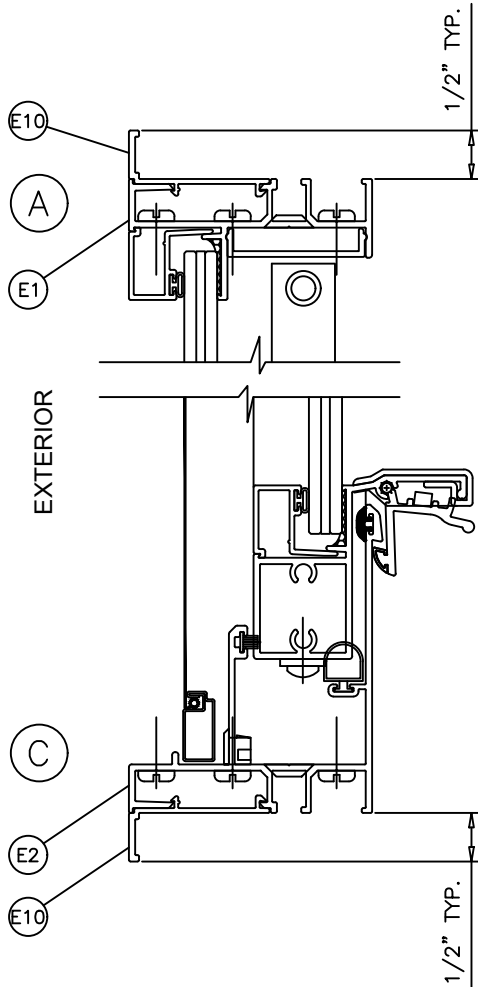
PREPARED BY A. LYNN MILLER 1070 TECHNOLOGY DRIVE N. VENICE, FL 34275 (941) 480-1600 REGISTRATION #29296	DATE 07/02/20	DRAWN BY JENS ROSOWSKI	DWG NO. SH110-LM-NOA	SHEET 4 OF 9	SERIES SH110	TITLE "SENTINEL"
Impact Resistant Windows & Doors WE'RE STRONGER™ 3780 W 104TH STREET HIALEAH, FL 33018 (305) 593-6590	SERIES 110 ALUM. SINGLE HUNG WINDOW (LM)	FLANGE DETAILS	NOA	4 OF 9	SH110	"SENTINEL"



FLANGE & FLANGE ADAPTOR FRAME



FLANGE ADAPTOR FRAME

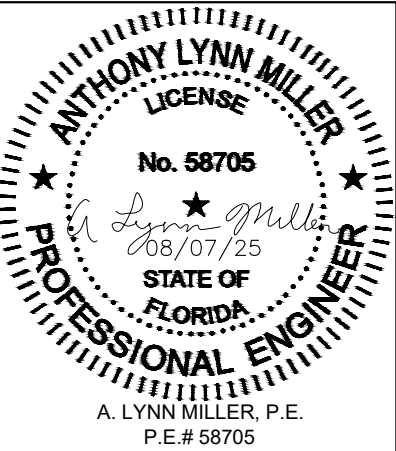


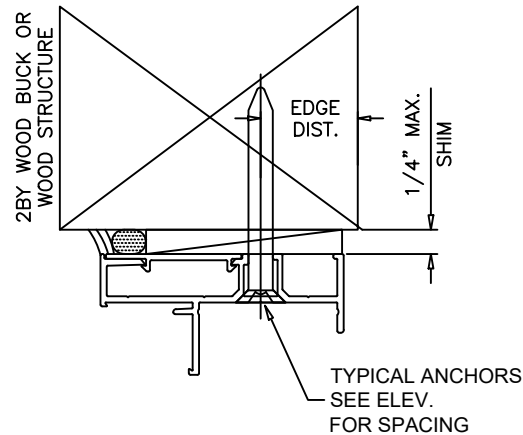
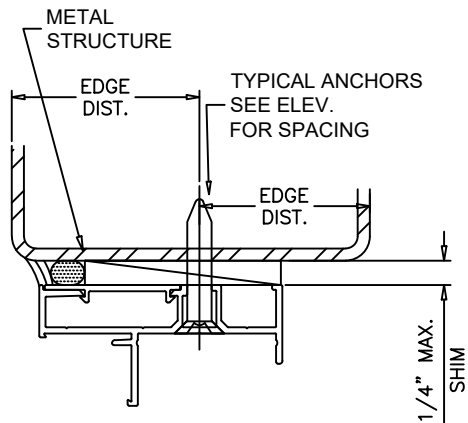
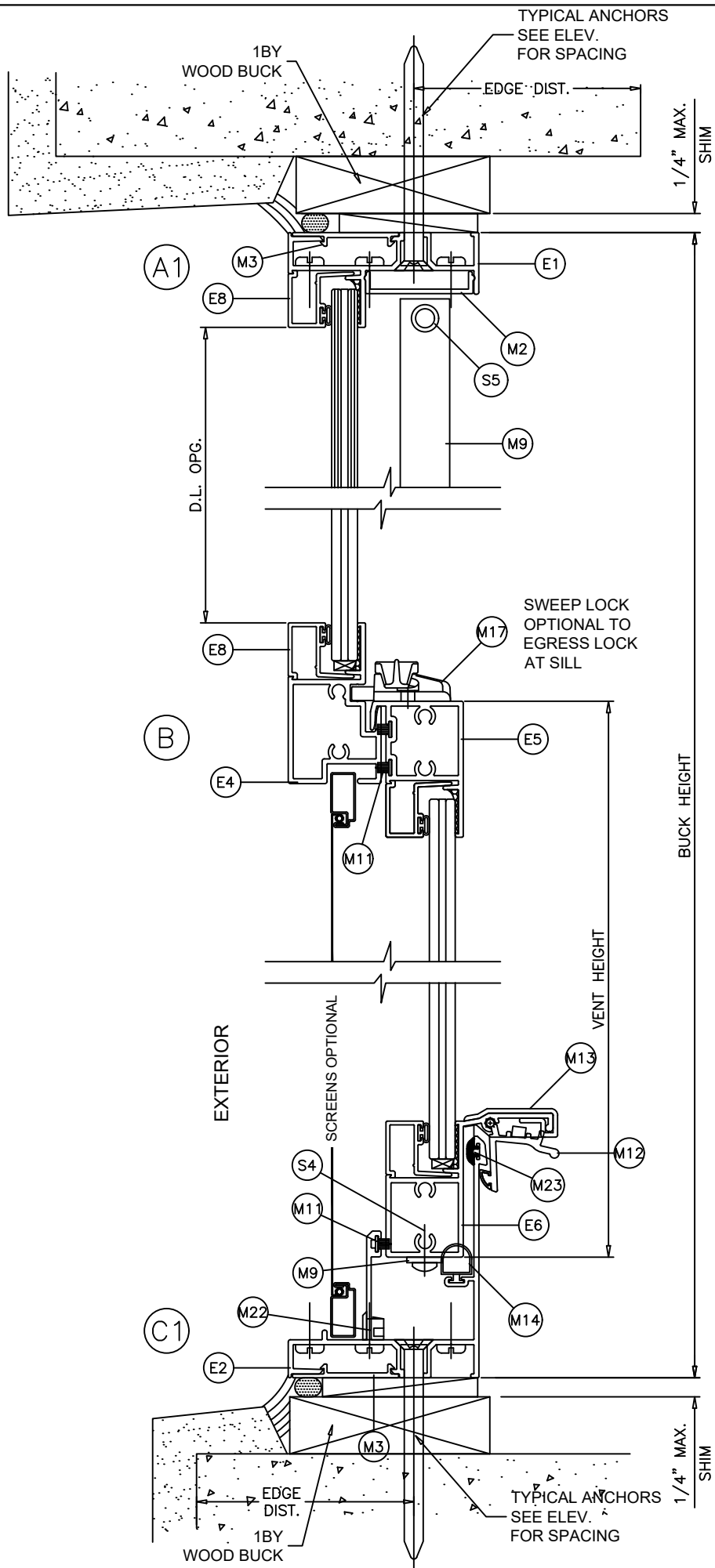
INTALLATION DETAILS SHOWN ON PAGES 4 AND 5 APPLY TO BOTH FLANGE FRAME AND FLANGE ADAPTOR FRAMES.

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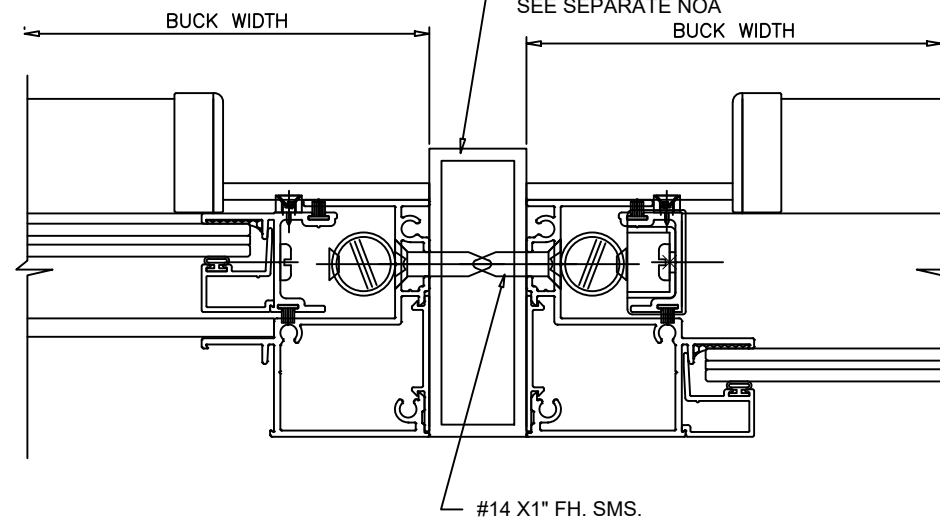
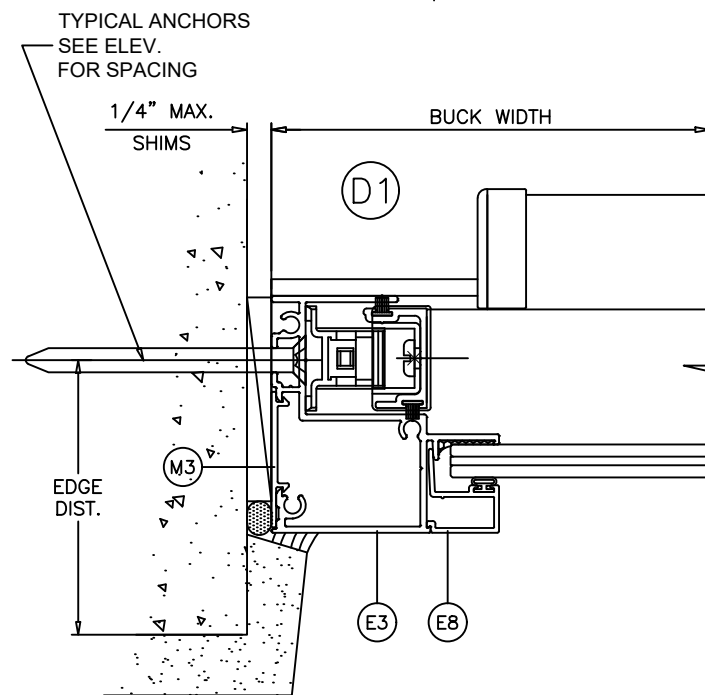
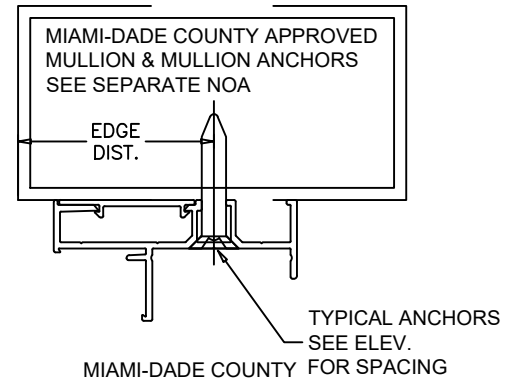
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PREPARED BY A. LYNN MILLER 1070 TECHNOLOGY DRIVE N. VENICE, FL 34275 (941) 480-1600 REGISTRATION #29296	By JENS ROSOWSKI	Date 07/02/20	Rev. C
Impact Resistant Windows & Doors WE'RE STRONGER™ 3780 W 104TH STREET HIALEAH, FL 33018 (305) 593-6590	FLANGE DETAILS	SERIES 110 ALUM. SINGLE HUNG WINDOW (LM)	DWG No. SH110-LM-NOA
Series SH110	Desc. "SENTINEL"	Sheet 5 OF 9	Title FLANGE DETAILS

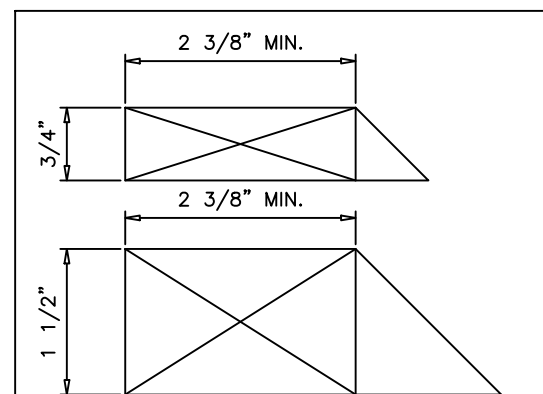




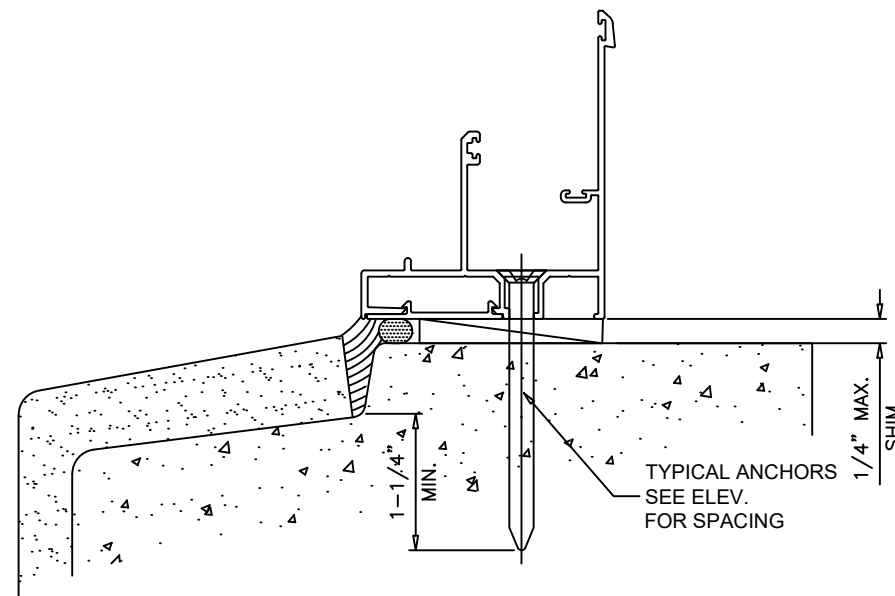
EQUAL LEG FRAME



EQUAL LEG FRAME CAN BE INSTALLED DIRECTLY INTO WOOD, CONCRETE OR METAL STRUCTURES WITHOUT THE NEED OF A WOOD BUCK.



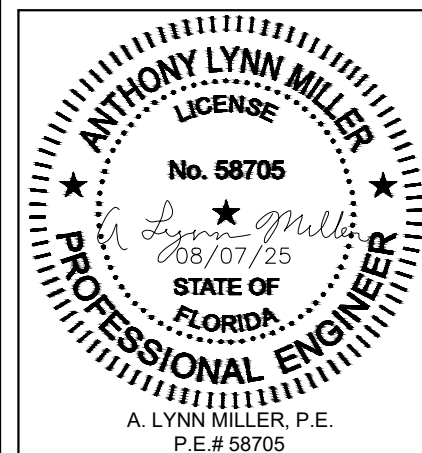
WHEN USED THE MIN. WOOD BUCK DEPTH SHALL BE 2 3/8". THE USE OF DEEPER OR BEVELED WOODBUCKS IS PERMITTED.



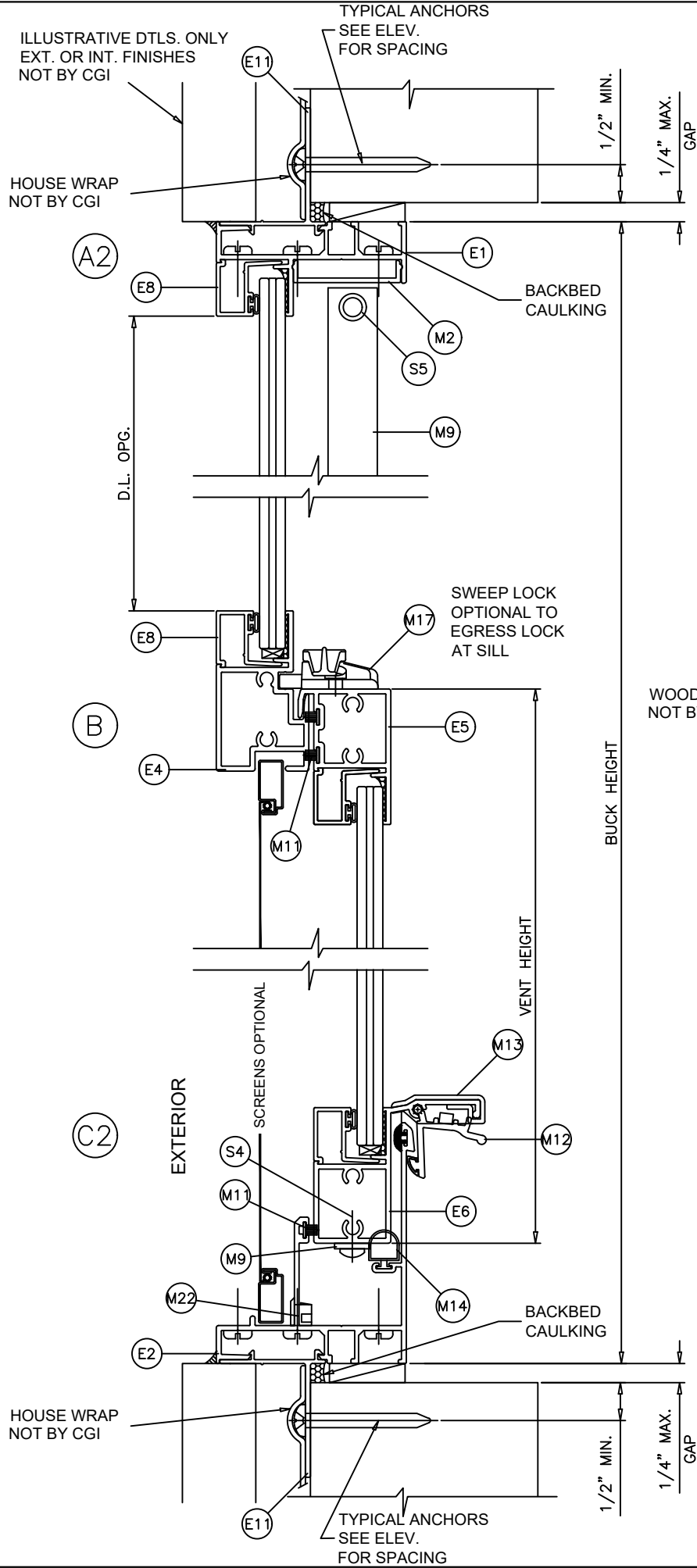
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Miami-Dade Product Control

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Impact Resistant Windows & Doors WE'RE STRONGER™	PREPARED BY A. LYNN MILLER 1070 TECHNOLOGY DRIVE N. VENICE, FL 34275 (941) 480-1600 REGISTRATION #29296	SERIES 110 ALUM. SINGLE HUNG WINDOW (LM) 07/02/20	JENS ROSOWSKI By	SH110-LM-NOA	C
Impact Resistant Windows & Doors WE'RE STRONGER™ 3780 W 104TH STREET HIALEAH, FL 33018 (305) 593-6590	EQUAL LEG DETAILS	SERIES 110 ALUM. SINGLE HUNG WINDOW (LM)	JENS ROSOWSKI By	SH110-LM-NOA	C



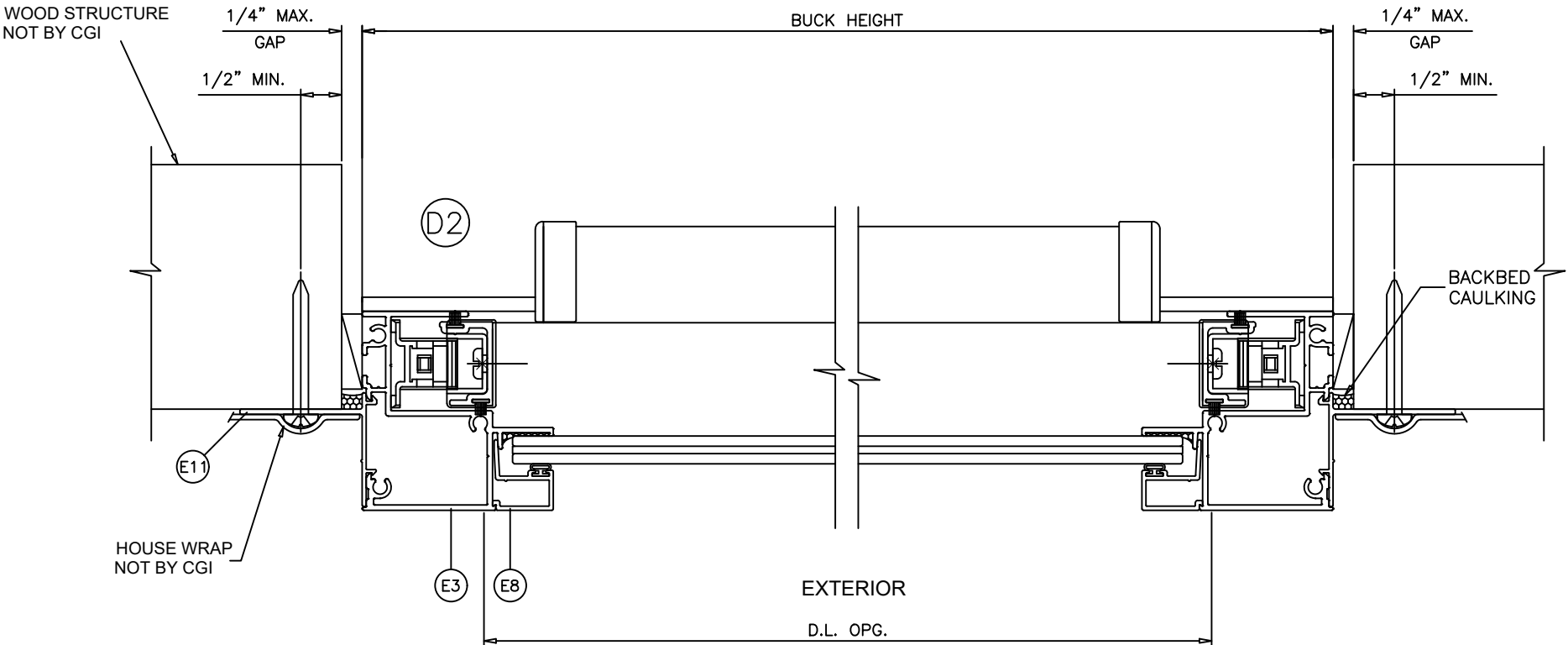
FIN FRAME



TYPICAL ANCHORS: SEE ELEV. FOR SPACING

#8 SMS (Fu=74 KSI, Fy=57 KSI)
INTO 2BY WOOD BUCKS OR WOOD STRUCTURES
1-1/4" MIN. PENETRATION INTO WOOD

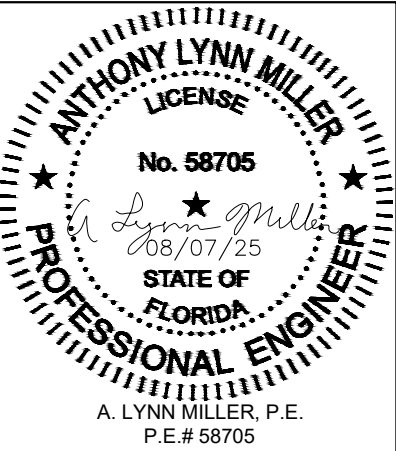
NOTE: HYBRID CONFIGURATIONS (FLANGE FRAME AT
MULLION AND FIN ON OTHER SIDES) ALLOWED WITH
MULLION. SEE PAGES 4 & 5 FOR FLANGE INSTALLATION
DETAILS.



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PREPARED BY A. LYNN MILLER 1070 TECHNOLOGY DRIVE N. VENICE, FL 34275 (941) 480-1600 REGISTRATION #29296	DATE 07/02/20	BY JENS ROSOWSKI	DWG No. SH110-LM-NOA	7 OF 9	Sheet "SENTINEL"	Rev.
						C
Impact Resistant Windows & Doors WE'RE STRONGER™ 3780 W 104TH STREET HIALEAH, FL 33018 (305) 593-6590	SERIES 110 ALUM. SINGLE HUNG WINDOW (LM)	FIN DETAILS	FIN DETAILS	7 OF 9	Sheet "SENTINEL"	Series Desc.



ITEM	PART #	QUANTITY	DESCRIPTION	MATERIAL	MANF./SUPPLIER/REMARKS
E1	CGI-100	1	FRAME HEAD	6063-T6	-
E2	CGI-101	1	FRAME SILL	6063-T6	-
E3	CGI-102	2	FRAME JAMB	6063-T6	-
E4	CGI-103	1	MEETING RAIL	6063-T6	-
E5	CGI-104	1	LOCK RAIL	6063-T6	-
E6	CGI-105	1	HANDLE RAIL	6063-T6	-
E7	CGI-106	2	SASH RAIL	6063-T6	-
E8	CGI-107	AS REQD.	5/16" GLAZING BEAD	6063-T5	-
E9	CGI-108	AS REQD.	0.700" GLAZING BEAD	6063-T5	-
E10	CGI-109	AS REQD.	FRONT FLANGE ADAPTOR	6063-T6	-
E11	CGI-110	AS REQD.	NAIL FIN ADAPTOR	6063-T5	-
E12	CGI-135	1	FLANGE FRAME HEAD	6063-T6	-
E13	CGI-136	2	FLANGE FRAME JAMB	6063-T6	-
E14	CGI-137	1	FLANGE FRAME SILL	6063-T6	-
E17	CGI-605	OPTIONAL	SCREEN FRAME	6063-T5	-
M1	CGI-382V	AS REQD.	GLAZING BULB VINYL (DUROMETER 75-80 SHORE A)	PVC	-
M2	CGI-111	OPTIONAL	SCREW COVER	PVC	PROTOTYPE OR EQUIV.
M3	CGI-112	AS REQD.	EQUAL LEG COVER/SHIM, 3" LONG AT ANCHOR LOCATIONS	PVC	-
M9	SUPER BOOST	2/ WDW.	SPIRAL BALANCE	-	BSI OR EQUIV.
M10	-	2/ WDW.	BLOCK/TACKLE BALANCE	-	BSI OR EQUIV.
M11	W23201NG	AS REQD.	PILE WITH CENTER FIN	WOOL	ULTRAFAB OR EQUIV.
M12	CGI-129	1/ WDW.	EGRESS LOCK	ALUM.	SULLIVAN
M13	CGI-131	2/ WDW.	HANDLE RAIL END CAP	NYLON	M&M
M14	E26018WN	-	D BULB-T SLOT	PVC	ULTRAFAB OR EQUIV.
M15	CGI-133	4/ WDW.	SASH GUIDE(SPIRAL BALANCE)	NYLON	M&M
M16	CGI-130	2/ WDW.	SASH TOP GUIDE(SPIRAL BALANCE)	NYLON	M&M
M17	A30730401-32	1/ WDW.	CAM LOCK	ZINC	TRUTH OR EQUIV.
M18	CGI-132	2/ WDW.	SASH STOP, 2" LONG	PVC	PROTOTYPE OR EQUIV.
M19	-	2/ LITE	SETTING BLOCK	EPDM	DUROMETER 85±5 SHORE A
M20	CGI-125	2/ WDW.	SASH CAM (B/T BALANCE)	NYLON	M&M
M21	-	2/ WDW.	B/T BALANCE TAKE OUT CLIP	-	BSI OR EQUIV.
M22	146-6	2/ WDW.	WEEP COVER	NYLON	AMESBURY OR EQUIV
M23	CGI-134	-	SILL SPACER	PVC	PROTOTYPE OR EQUIV.
M24	HD-12-10106	AS REQUIRED	WEDGE GASKETS +/- 75 DUROMETER	TPV	-
S2	-	2 OR 3/CORNER	# 10 X 1 1/4" LG. PHL. PH. SMS. ST/ST. ASSEMBLY SCREW	-	-
S4	-	4/ WDW.	# 8 X 1/2" PH. SMS. ST/ST BALANCE BRACKET SCREW	-	-
S5	-	2/ WDW.	# 8 X 1" LG. FH. SMS. ST/ST. SPIRAL B. ASSEMBLY	-	-
S6		2/ LOCK	# 6 X 1/2" LG. FH. SMS. @ CGI-133 & CAM LOCK		

PRODUCT REVISED

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NOA-No. 25-0812.07

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By: Manuel Torres

Miami-Dade Product Control

Revision:

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

(941) 480-1600

REGISTRATION #29296

Impact Resistant Windows & Doors
WE'RE STRONGER™

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

SERIES 110 ALUM. SINGLE HUNG WINDOW (LM)

07/02/20

By JENS ROSOWSKI

Drawn

DATE

BILL OF MATERIALS

SH110 "SENTINEL"

8 OF 9

Sheet

DWG No.

SH110-LM-NOA C

Rev.

ANTHONY LYNN MILLER

LICENSE

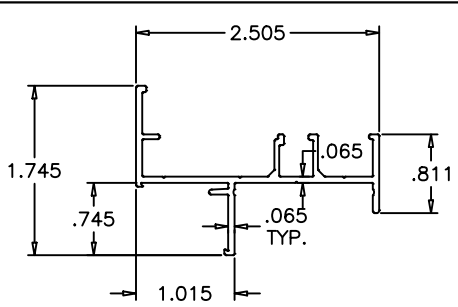
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08/07/25

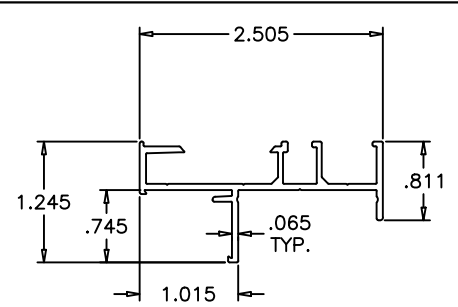
STATE OF FLORIDA

PROFESSIONAL ENGINEER

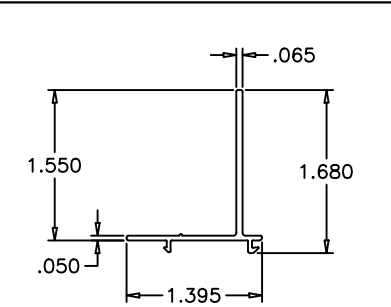
A. LYNN MILLER, P.E.
P.E.# 58705



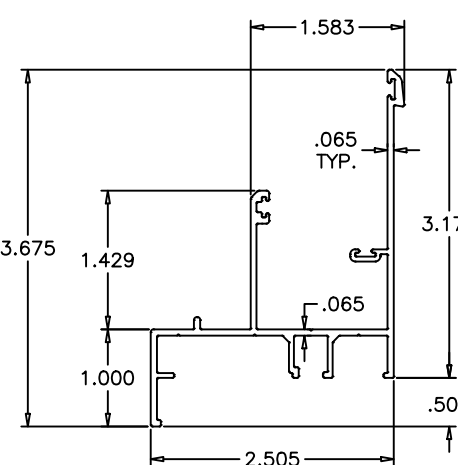
E12 FLANGE FRAME HEAD



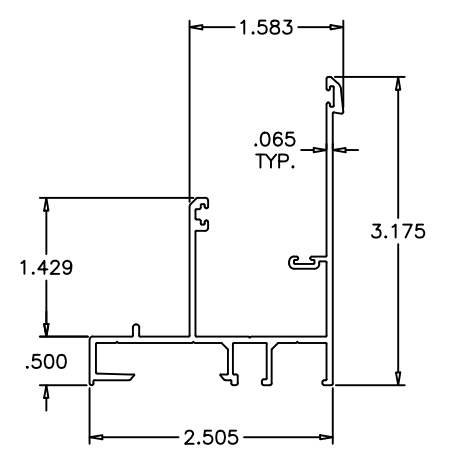
E1 FLUSH FRAME HEAD



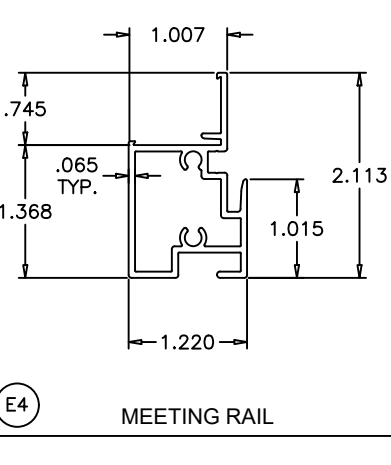
E11 NAIL FIN ADAPTER



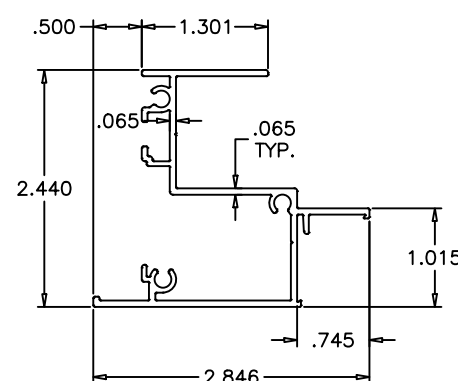
E14 FLANGE FRAME SILL



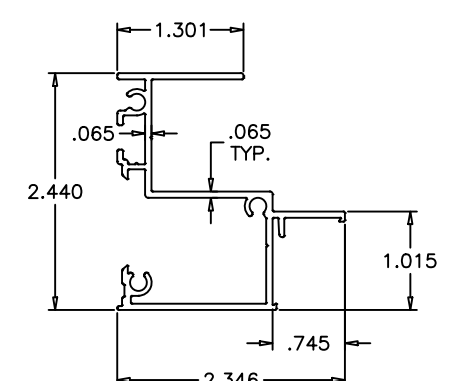
E2 FLUSH FRAME SILL



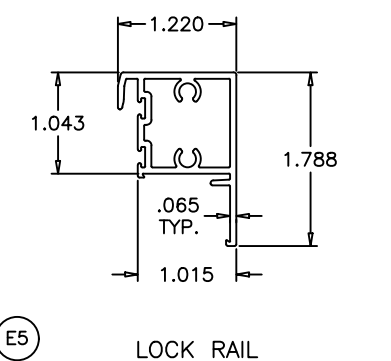
E4 MEETING RAIL



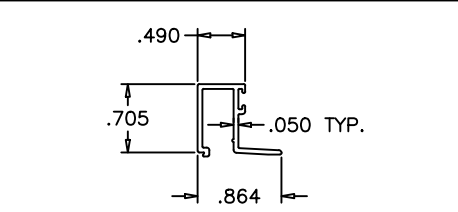
E13 FLANGE FRAME JAMB



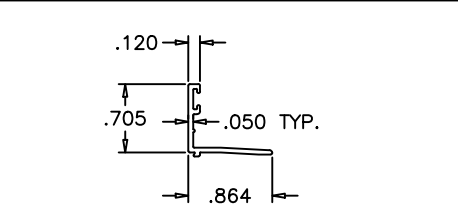
E3 FLUSH FRAME JAMB



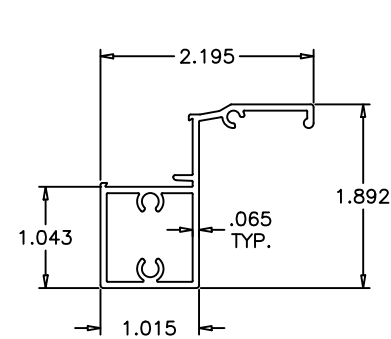
E5 LOCK RAIL



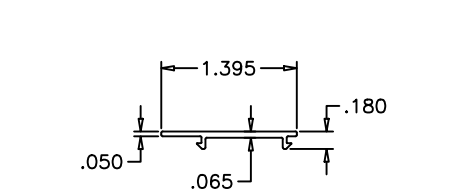
E8 5/16" GLAZING BEAD



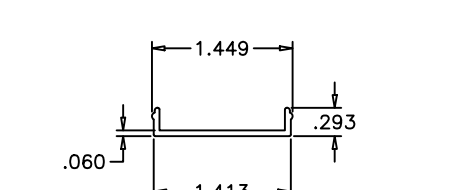
E9 .700" GLAZING BEAD



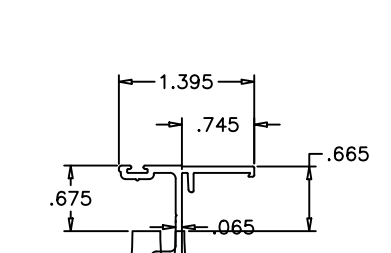
E6 HAND RAIL



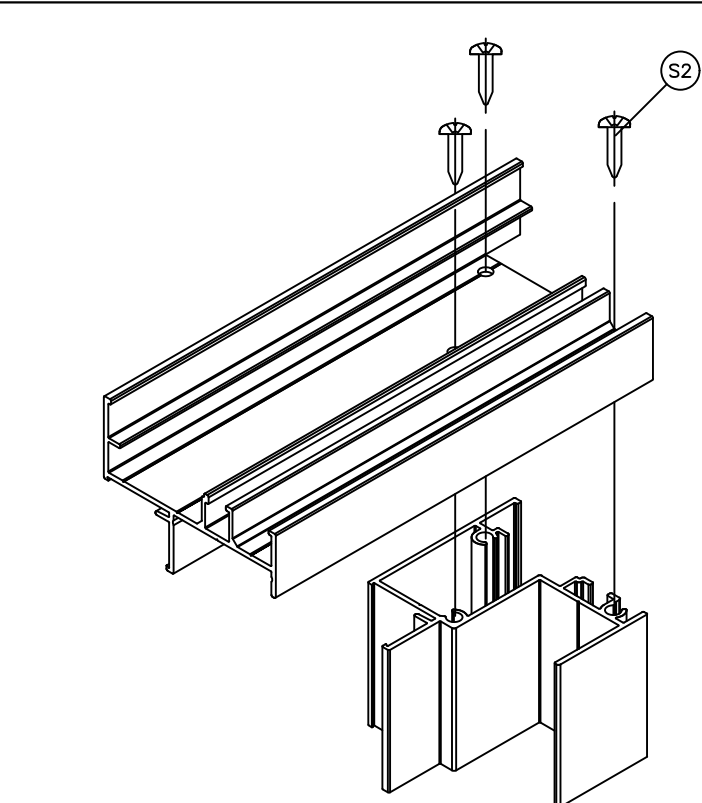
M3 FLUSH FRAME COVER



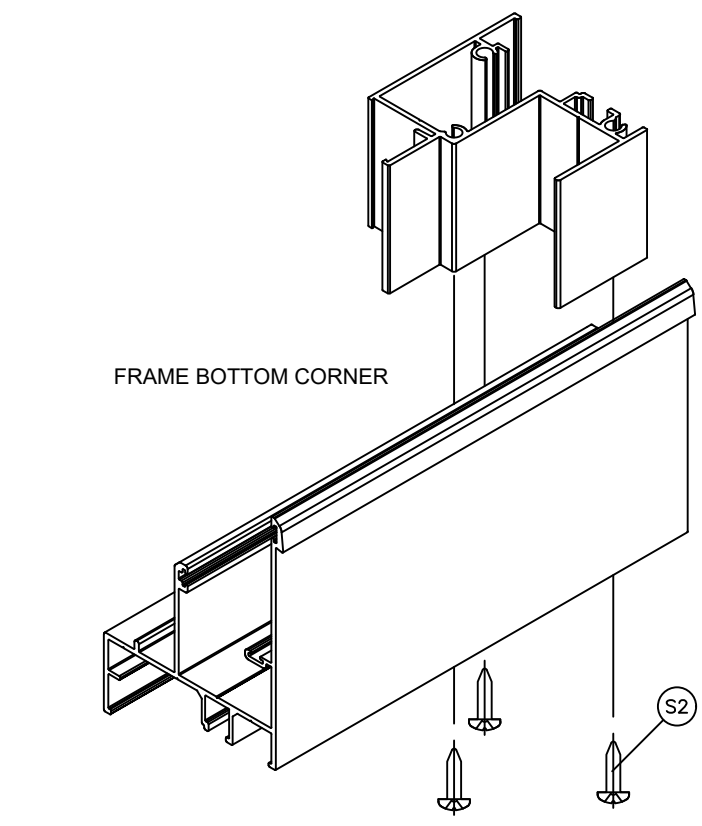
M19 SCREW COVER



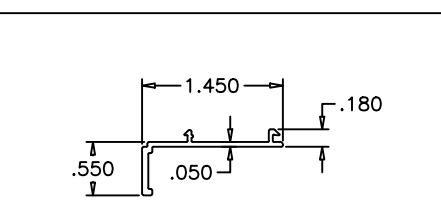
E7 SASH RAIL



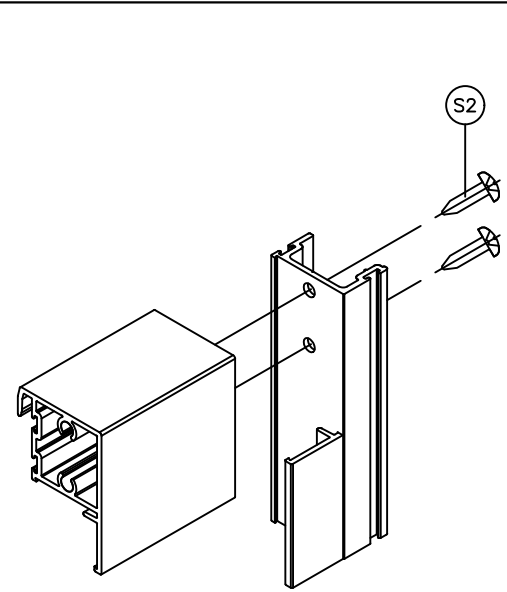
FRAME TOP CORNER



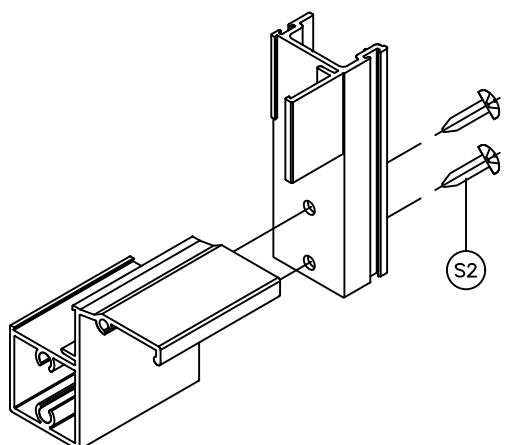
FRAME BOTTOM CORNER



E10 FLANGE ADAPTOR



VENT TOP CORNER



VENT BOTTOM CORNER

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NOA-No. **25-0812.07**
Expiration Date: **09/22/2030**
By: *Manuel Ferrer*
Miami-Dade Product Control

Revision: NO CHANGES THIS SHEET.
- AM

 Impact Resistant Windows & Doors WE'RE STRONGER™		3780 W 104TH STREET HIALEAH, FL 33018 (305) 593-6590		REGISTRATION #29296		PREPARED BY A. LYNN MILLER 1070 TECHNOLOGY DRIVE N. VENICE, FL 34275 (941) 480-1600					
		SERIES 110 ALUM. SINGLE HUNG WINDOW (LM)		Date		07/02/20					
				By		JENS ROSOWSKI					
Series		SH110 "SENTINEL"		DWG No.		SH110-LM-NOA		Rev.		C	
Desc.		EXTRUSIONS				Drawn					

