



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

## NOTICE OF ACCEPTANCE (NOA)

MIAMI-DADE COUNTY, FLORIDA  
PRODUCT CONTROL SECTION

11805 SW 26 Street, Room 208  
T (786) 315-2590 F (786) 315-2599

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

**CGI WINDOWS and DOORS, INC.**

**3780 W. 104<sup>th</sup> 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 "HR120-Sentinel" Aluminum Horizontal Sliding Window – L.M.I.

**APPROVAL DOCUMENT:** Drawing No. **HR 120LM-NOA Rev A** (former **W10-18**), titled "Series 120 Alum. Horizontal Sliding Window-LM", sheets 1 through 14 of 14, dated 06/03/20, 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, 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. 17-0918.09** 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 **Ishaq I. Chanda, P. E.**



*Ishaq I. Chanda*

**NOA No. 20-0610.03**  
**Expiration Date: September 22, 2025**  
**Approval Date: September 10, 2020**  
**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's No.'s 10-0510.12 and 15-0512.05)*
2. Drawing No. **W10-18**, titled "Series Sentinel 120 Alum Horiz. Sliding Wdw. (L.M.I./S.M.I.)", sheets 1, 1.1, 2, 2.1, 3, 3.1, 4 through 11 of 11, dated 03/29/10 with revision "G" dated 05/02/16, prepared by Al-Farooq Corporation, signed and sealed by Javad Ahmad, P.E.

**B. TESTS**

1. Test reports on: 1) Air Infiltration Test, per FBC, TAS 201-94  
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, FBC 2411 3.2.1, TAS 202-94  
along with marked-up drawings and installation diagram of a series Sentinel 120 aluminum horizontal sliding window, prepared by Certified Test Laboratories, Test Report No. **CTLA-3062W**, dated 07/07/15, signed and sealed by Ramesh C. Patel, P.E.
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 of a series fixed window, to qualify DuPont "Butacite" PVB interlayer, Duraseal® and Super Spacer® insulating glass spacer, prepared by Certified Test Laboratories, Test Report No. **CTLA-3056 WA**, dated 03/03/15, signed and sealed by Ramesh C. Patel, P.E.  
*(Submitted under previous NOA No. 15-0512.05)*
3. 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 of a series project out window, to qualify DuPont "Butacite" PVB interlayer, Duraseal® and Super Spacer® insulating glass spacer, prepared by Certified Test Laboratories, Test Report No. **CTLA-3056 WB**, dated 03/03/15, signed and sealed by Ramesh C. Patel, P.E.  
*(Submitted under previous NOA No. 15-0512.05).*
4. 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 of a series aluminum fixed window, to qualify DuPont "Butacite" PVB interlayer, Duraseal® and Super Spacer® insulating glass spacer, prepared by Certified Test Laboratories, Test Report No. **CTLA-3056 WC**, dated 04/16/15, signed and sealed by Ramesh C. Patel, P.E.  
*(Submitted under previous NOA No. 15-0512.05)*

*Ishaq I. Chanda*

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**Ishaq I. Chanda, P. E.**  
**Product Control Unit Supervisor**  
**NOA No. 20-0610.03**  
**Expiration Date: September 22, 2025**  
**Approval Date: September 10, 2020**

**NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED**

**B. TESTS (CONTINUED)**

5. Test reports on:
- 1) Air Infiltration Test, per FBC, TAS 201-94
  - 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, FBC 2411 3.2.1, TAS 202-94

along with marked-up drawings and installation diagram of a series "Sentinel" aluminum horizontal sliding window, prepared by Hurricane Test Laboratory, LLC, Test Report No. **HTL-0080-0102-10**, dated 06/04/10, signed and sealed by Vinu J. Abraham, P. E. *(Submitted under NOA No. 10-0510.12)*

**C. CALCULATIONS**

1. Anchor verification calculations and structural analysis, complying with **FBC 5<sup>th</sup> Edition (2014)**, prepared by Al-Farooq Corporation, dated 09/17/15 revised on 05/11/16, signed and sealed by Javad Ahmad, P. E.
2. **Glazing complies with ASTM E1300-09**

**D. QUALITY ASSURANCE**

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

**E. MATERIAL CERTIFICATIONS**

1. Notice of Acceptance No. **14-0916.10** issued to **Kuraray America, Inc.** for their "**Butacite® PVB Glass Interlayer**" dated 04/25/15, expiring on 12/11/16.
2. Notice of Acceptance No. **14-0916.11** issued to **Kuraray America, Inc.** for their "**SentryGlas® (Clear and White) Glass Interlayers**", expiring on 07/04/18.
3. Notice of Acceptance No. **14-0423.15** issued to **Eastman Chemical Company (MA)** for their "**Saflex CP – Saflex and Saflex HP Composite Glass Interlayers with PET Core**" dated 06/19/14, expiring on 12/11/18.
4. Notice of Acceptance No. **14-0423.17** issued to **Eastman Chemical Company (MA)** for their "**Saflex Clear and Color Glass Interlayers**", expiring on 05/21/16.

**F. STATEMENTS**

1. Statement letter of conformance, of complying with **FBC 5<sup>th</sup> Edition (2014)** and of no financial interest, dated 08/17/15, issued by Al-Farooq Corporation, signed and sealed by Javad Ahmad, P. E.
2. Laboratory compliance letters for Test Report No. **CTLA-3062W**, dated 07/07/15, issued by Certified Test Laboratories, signed and sealed by Ramesh C. Patel, P. E.
3. Testing Proposal issued by the Product Control Section, dated 04/08/15, signed by Jaime Gascon, P. E., Section Supervisor.
4. Laboratory compliance letters for Test Reports No.'s **CTLA-3056 WA**, dated 03/03/15, **CTLA-3056 WB**, dated 03/03/15 and **CTLA-3056 WC**, dated 04/16/15, all issued by Certified Test Laboratories, all signed and sealed by Ramesh C. Patel, P. E. *(Submitted under previous NOA No. 15-0512.05)*

*Ishaq I. Chanda*

Ishaq I. Chanda, P. E.

Product Control Unit Supervisor

NOA No. 20-0610.03

Expiration Date: September 22, 2025

Approval Date: September 10, 2020

**NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED**

**F. STATEMENTS (CONTINUED)**

5. Testing Proposal issued by the Product Control Section, dated 12/16/14, signed by Jaime Gascon, P. E., Section Supervisor.  
*(Submitted under previous NOA No. 15-0512.05)*
6. Laboratory compliance letters for Test Report No. **HTL-0080-0102-10**, issued by Hurricane Test Laboratory, LLC, dated 06/04/10, signed and sealed by Vinu J. Abraham, P. E.  
*(Submitted under NOA No. 10-0510.12)*

**G. OTHERS**

1. Notice of Acceptance No. **15-0512.05**, issued to CGI Windows & Doors for their Series “Sentinel 120” Aluminum Horizontal Sliding Window – L.M.I., approved on 08/20/15 and expiring on 09/22/20.

**2. EVIDENCE SUBMITTED UNDER PREVIOUS NOA**

**A. DRAWINGS**

1. Drawing No. **W10-18**, titled “Series Sentinel 120 Alum Horiz. Sliding Wdw. (L.M.I./ S.M.I.)”, sheets 1, 1.1, 2, 2.1, 3, 3.1, 4 through 11 of 11, dated 03/29/10 with revision “**H**” dated 09/05/17, prepared by Al-Farooq Corporation, signed and sealed by Javad Ahmad, P.E.

**B. TESTS**

1. None.

**C. CALCULATIONS**

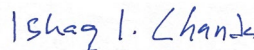
1. None.

**D. QUALITY ASSURANCE**

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

**E. MATERIAL CERTIFICATIONS**

1. Notice of Acceptance No. **16-1117.01** issued to **Kuraray America, Inc.** for their “**Trosifol® Ultraclear, Clear and Color PVB Glass Interlayers**” dated 01/19/17, expiring on 07/08/19.
2. Notice of Acceptance No. **14-0916.11** issued to **Kuraray America, Inc.** for their “**SentryGlas® (Clear and White) Interlayer**” dated 06/25/15, expiring on 07/04/18.
3. Notice of Acceptance No. **17-0712.03** issued to **Eastman Chemical Company (MA)** for their “**Saflex CP – Saflex and Saflex HP Composite Glass Interlayers with PET Core**” dated 09/07/17, expiring on 12/11/18.
4. Notice of Acceptance No. **17-0712.05** issued to **Eastman Chemical Company (MA)** for their “**Saflex Clear and Color Glass Interlayers**” dated 09/07/17, expiring on 05/21/21.

  
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**Ishaq I. Chanda, P. E.**  
**Product Control Unit Supervisor**  
**NOA No. 20-0610.03**  
**Expiration Date: September 22, 2025**  
**Approval Date: September 10, 2020**

**CGI Windows & Doors, Inc.**

**NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED**

**F. STATEMENTS**

1. Statement letter of conformance to **FBC 5<sup>th</sup> Edition (2014)** and **FBC 6<sup>th</sup> Edition (2017)**, dated 08/30/17, issued by Al-Farooq Corporation, signed and sealed by Javad Ahmad, P. E.

**G. OTHERS**

1. This NOA revises NOA #15-0929.13, expiring on 09/22/20.

**3. NEW EVIDENCE SUBMITTED**

**A. DRAWINGS**

1. Drawing No. **HR 120LM-NOA Rev A** (former **W10-18**), titled "Series 120 Alum. Horizontal Sliding Window-LM", sheets 1 through 14 of 14, dated 06/03/20, prepared by manufacturer, signed and sealed by Anthony Lynn Miller, P. E.

**B. TESTS**

1. Test reports on: 1) Air Infiltration Test, per FBC, TAS 202-94  
2) Uniform Static Air Pressure Test, Loading per FBC, TAS 202-94  
3) Water Resistance Test, per FBC, TAS 202-94  
4) Large Missile Impact Test per FBC, TAS 201-94  
5) Cyclic Wind Pressure Loading per FBC, TAS 203-94  
6) Forced Entry Test, per ASTM F588 and TAS 202-94

along with marked-up drawings and installation diagram of all CGI Windows and Doors, Inc. and PGT Industries, 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.:

**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.

**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.

**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**.

*Ishaq I. Chanda*

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**Ishaq I. Chanda, P. E.**  
**Product Control Unit Supervisor**  
**NOA No. 20-0610.03**  
**Expiration Date: September 22, 2025**  
**Approval Date: September 10, 2020**

**CGI Windows & Doors, Inc.**

**NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED**

**3. NEW EVIDENCE Continue:**

**D. QUALITY ASSURANCE**

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

**E. MATERIAL CERTIFICATIONS**

1. Notice of Acceptance No. **19-0305.02** issued to **Kuraray America, Inc.** for their “**Trosifol® Ultraclear, Clear and Color PVB Glass Interlayers**”, expiring on 07/08/24.
2. Notice of Acceptance No. **17-0808.02** issued to **Kuraray America, Inc.** for their “**SentryGlas® (Clear and White) Glass Interlayers**”, expiring on 07/04/23.
3. Notice of Acceptance No. **17-0712.05** issued to **Eastman Chemical Company (MA)** for their “**Saflex Clear and Color Glass Interlayers**” dated 09/07/17, expiring on 05/21/21.
4. Notice of Acceptance No. **18-0301.06** issued to **Eastman Chemical Company (MA)** for their “**Saflex CP – Saflex and Saflex HP Composite Glass Interlayers with PET Core**”, expiring on 12/11/23.

**F. 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. Statement from Successor Engineer, adopting another Engineer’s work as his own per FLA 51G915.27-001, signed and sealed on 06/03/20 by Anthony Lynn Miller, P.E.
3. Statement of Lab compliance as part of the test report.

**G. OTHER**

1. This NOA **revises** and **renews** **NOA No. 17-0918.09** and updates to FBC 2020 (7<sup>th</sup> Edition) expiring 09/22/25.
2. RER Test proposals #**19-1155** dated 01/10/20 approved by Ishaq I. Chanda, P.E.

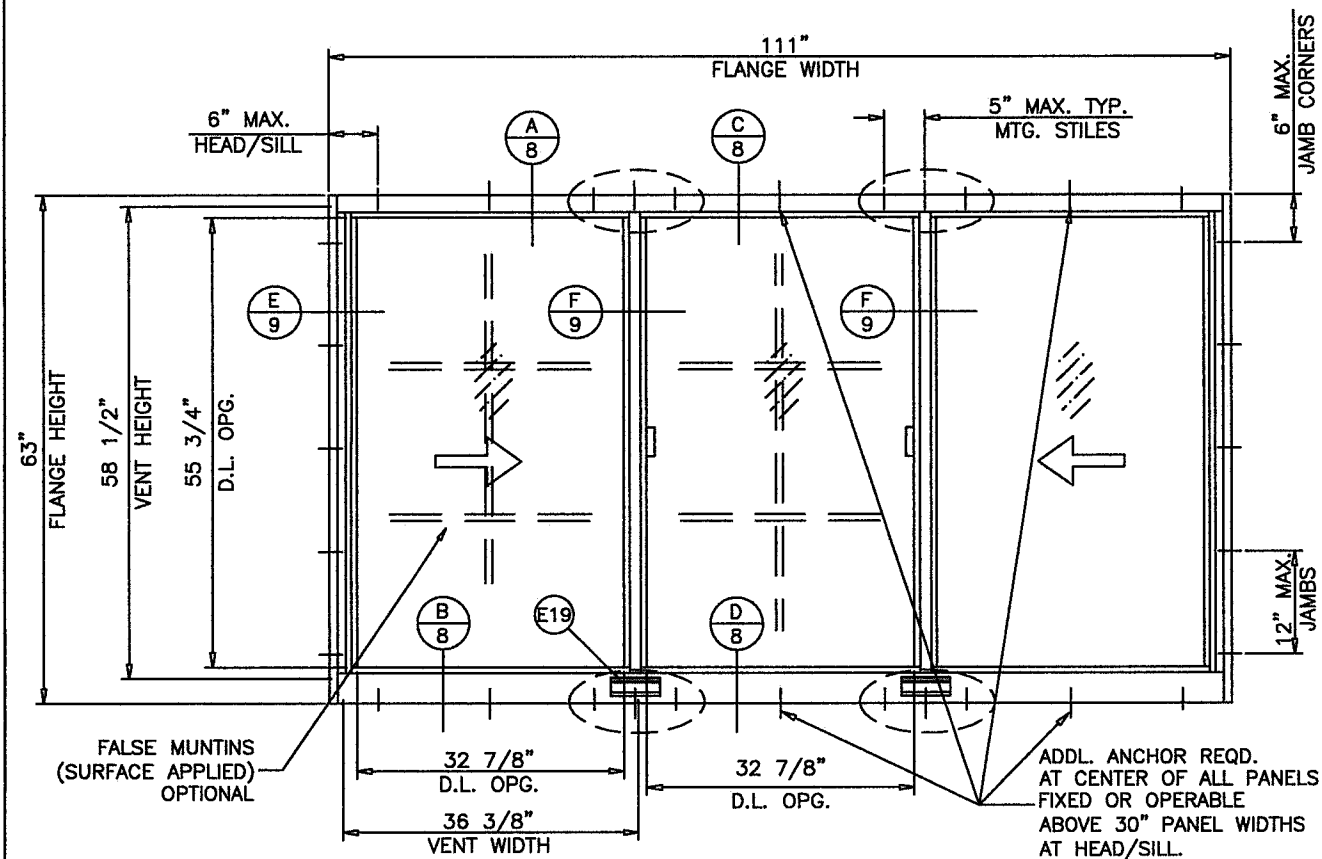
*Ishaq I. Chanda*

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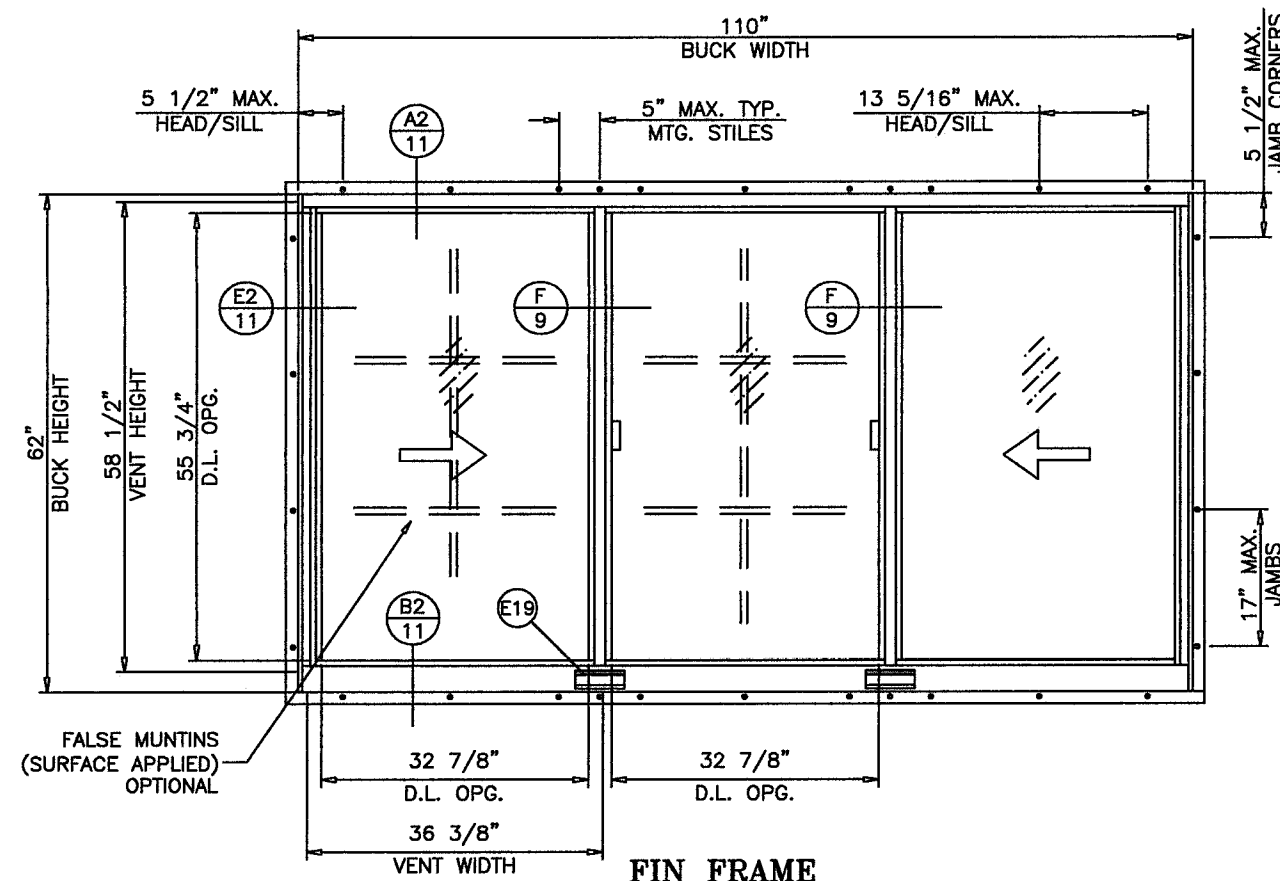
**Ishaq I. Chanda, P. E.**  
**Product Control Unit Supervisor**  
**NOA No. 20-0610.03**  
**Expiration Date: September 22, 2025**  
**Approval Date: September 10, 2020**



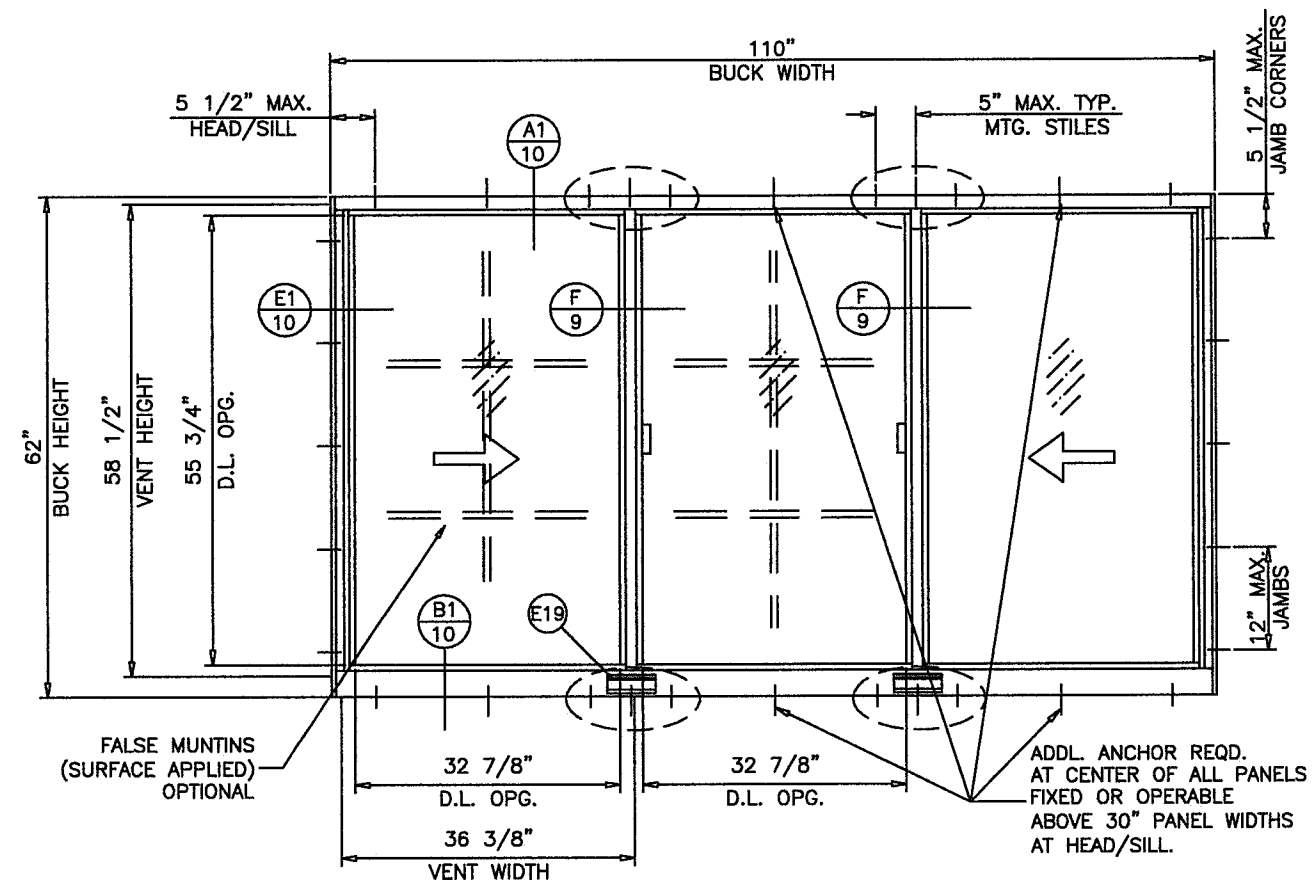
TYPICAL ELEVATION, 1/3-1/3-1/3 XOX CONFIGURATION



**FLANGE & FLANGE ADAPTOR FRAME**



**FIN FRAME**



**EQUAL LEG FRAME**

THESE WINDOWS ARE RATED FOR LARGE & SMALL MISSILE IMPACT. SHUTTERS ARE NOT REQUIRED.

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

**SERIES 'SENTINEL' 120 ALUMINUM HORIZONTAL ROLLER WINDOW**

DESIGN LOAD RATINGS FOR THESE WINDOWS TO BE AS PER CHARTS SHOWN ON SHEETS 3-6.

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 2017 (6TH EDITION)/(2020 (7TH 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.

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.

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.

**PRODUCT REVISED**  
as complying with the Florida  
Building Code  
NOA-No. **20-0610.03**  
Expiration Date: **09/22/2025**  
By: Ishag I. Chande  
Miami-Dade Product Control

REVISION:  
REVISED FOR 2020 FBC,  
ADDED ANCHOR TYPE &  
REFORMATTED - JR -  
5/29/20

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

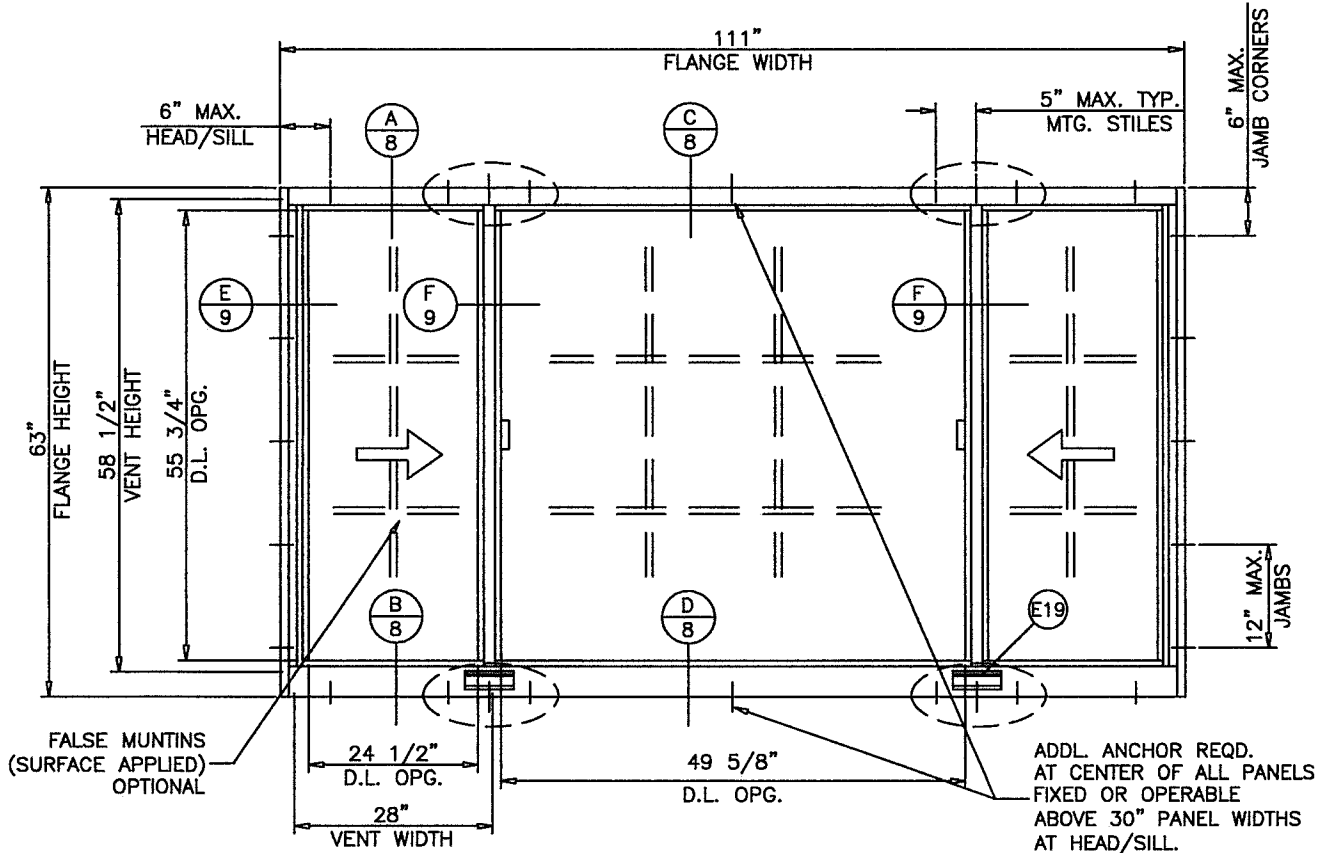
REGISTRATION #29296

**Impact Resistant  
Windows & Doors**  
**WE'RE STRONGER™**  
CGI WINDOWS & DOORS, INC.  
3780 W 104TH STREET  
HIALEAH, FL 33018  
(305) 593-6590

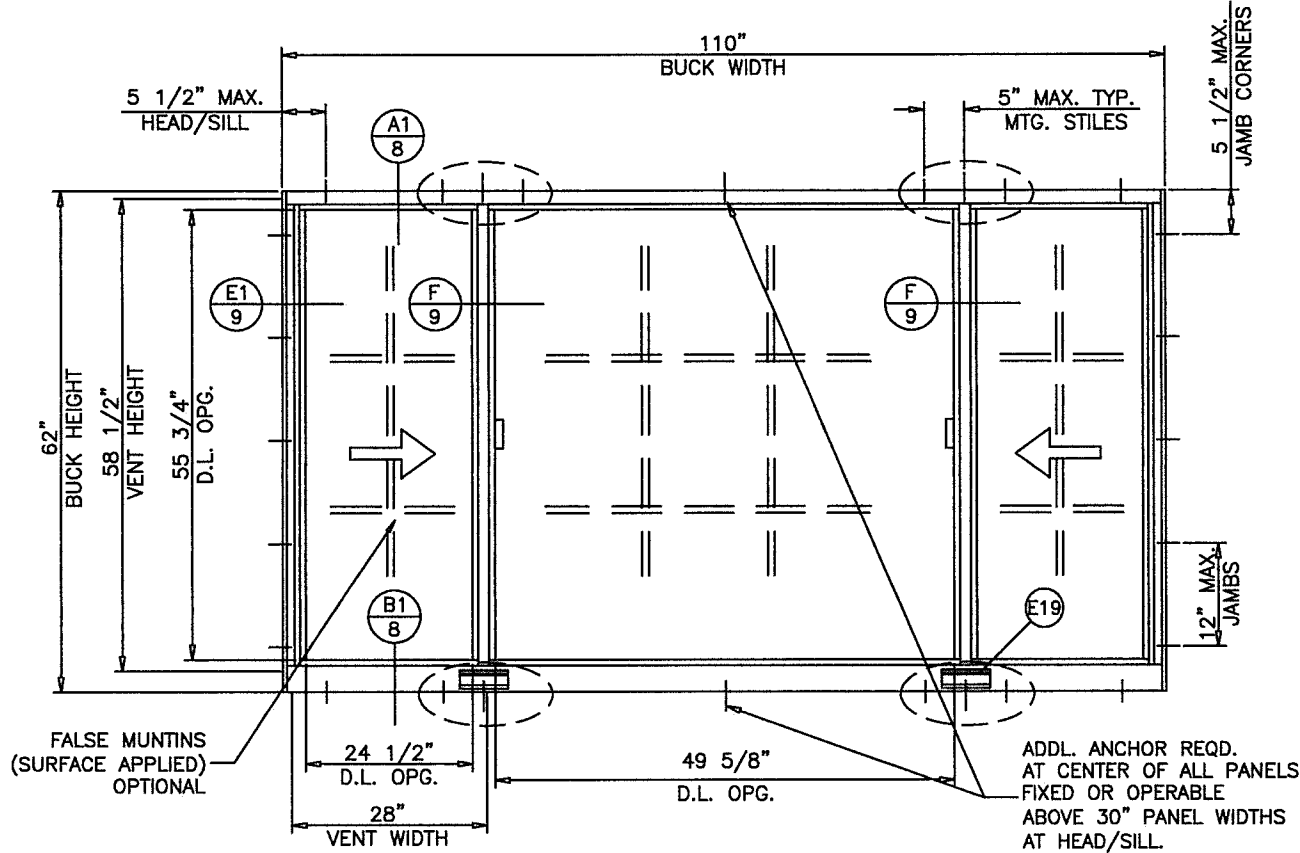
120 ALUM. HORIZONTAL SLIDING WINDOW (LM)	Date	05/29/2020
GEN. NOTES AND ELEVATIONS	By	J ROSOWSKI
HR120 "SENTINEL"	DWG No.	HR120LM-NOA
1 OF 14	Sheet	A

ANTHONY LYNN MILLER  
LICENSE  
No. 58705  
6/3/20  
STATE OF  
FLORIDA  
PROFESSIONAL ENGINEER  
A. LYNN MILLER, P.E.  
P.E.# 58705

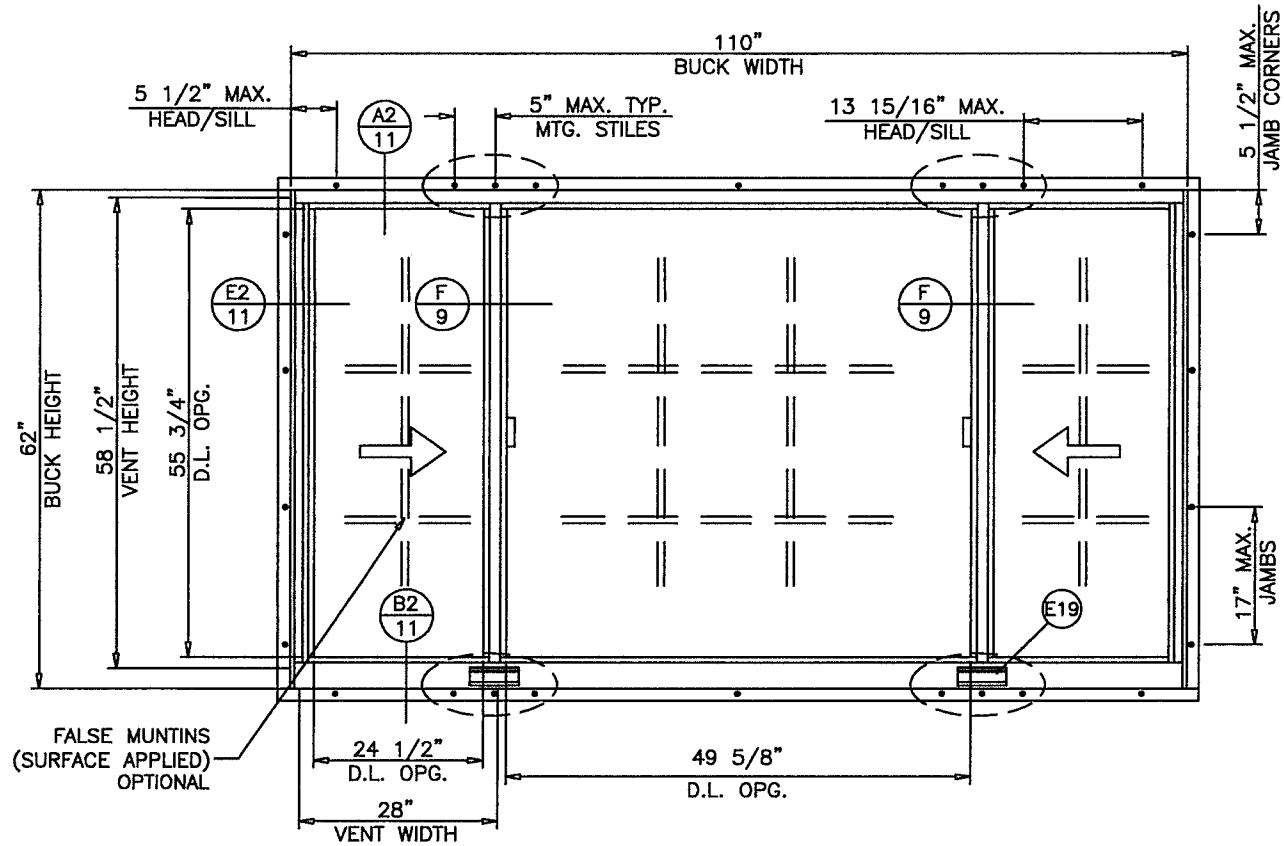
TYPICAL ELEVATION, 1/4-1/2-1/4 XOX CONFIGURATION



FLANGE & FLANGE ADAPTOR FRAME



EQUAL LEG FRAME



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

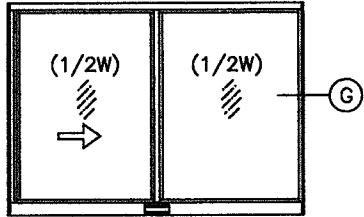
**PRODUCT REVISED**  
as complying with the Florida  
Building Code  
NOA-No. **20-0610.03**  
Expiration Date: **09/22/2025**  
By: Ismael L. Chanda  
Miami-Dade Product Control

Prepared by A. LYNN MILLER 1070 TECHNOLOGY DRIVE N. VENICE, FL 34275 (941) 480-1600	REGISTRATION #29296	Date 05/29/2020	By J ROSOWSKI	Rev. A
Impact Resistant Windows & Doors WE'RE STRONGER™ CGI WINDOWS & DOORS, INC. 3780 W 104TH STREET HIALEAH, FL 33018 (305) 593-6590	120 ALUM. HORIZONTAL SLIDING WINDOW (LM)	ELEVATIONS, 1/3-1/3-1/3	HR120 "SENTINEL"	2 OF 14
Impact Resistant Windows & Doors WE'RE STRONGER™ CGI WINDOWS & DOORS, INC. 3780 W 104TH STREET HIALEAH, FL 33018 (305) 593-6590	120 ALUM. HORIZONTAL SLIDING WINDOW (LM)	ELEVATIONS, 1/3-1/3-1/3	HR120 "SENTINEL"	2 OF 14

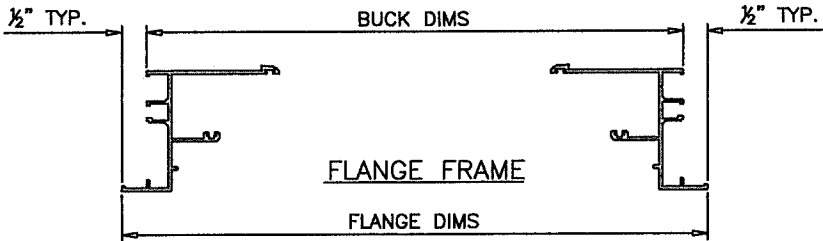
ANTHONY LYNN MILLER  
LICENSE  
No. 58705  
6/3/20  
STATE OF  
FLORIDA  
PROFESSIONAL ENGINEER  
A. LYNN MILLER, P.E.  
P.E.# 58705



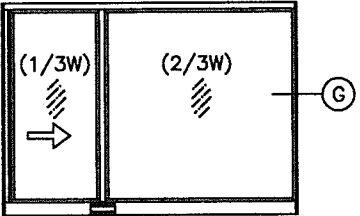
DESIGN LOAD CAPACITY - PSF (XO OR OX SIZES)							
FLANGE DIMS.		BUCK DIMS.		STD. MTG. RAIL		H.D. MTG. RAIL	
				GLASS TYPES 'A' & 'A1', 'B' & 'B1'		GLASS TYPES 'B' & 'B1'	
WIDTH	HEIGHT	WIDTH	HEIGHT	EXT.(+)	INT.(-)	EXT.(+)	INT.(-)
26-1/2"	26"	25-1/2"	25"	65.0	65.0	80.0	90.0
37"		36"		65.0	65.0	80.0	90.0
53-1/8"		52-1/8"		65.0	65.0	80.0	90.0
74"		73"		65.0	65.0	80.0	90.0
26-1/2"	38-3/8"	25-1/2"	37-3/8"	65.0	65.0	80.0	90.0
37"		36"		65.0	65.0	80.0	90.0
53-1/8"		52-1/8"		65.0	65.0	80.0	90.0
74"		73"		65.0	65.0	80.0	90.0
26-1/2"	50-5/8"	25-1/2"	49-5/8"	65.0	65.0	80.0	90.0
37"		36"		65.0	65.0	80.0	90.0
53-1/8"		52-1/8"		65.0	65.0	80.0	90.0
74"		73"		65.0	65.0	80.0	90.0
26-1/2"	63"	25-1/2"	62"	65.0	65.0	80.0	90.0
37"		36"		65.0	65.0	80.0	90.0
53-1/8"		52-1/8"		65.0	65.0	80.0	90.0
74"		73"		60.2	60.2	80.0	90.0



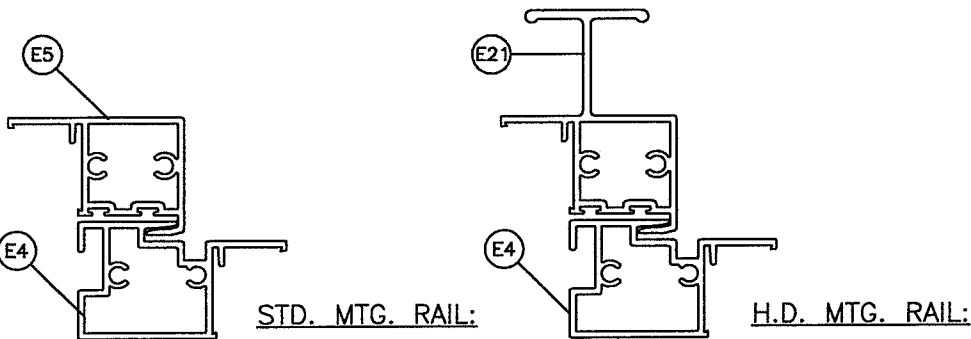
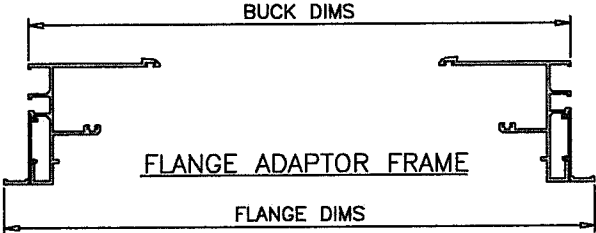
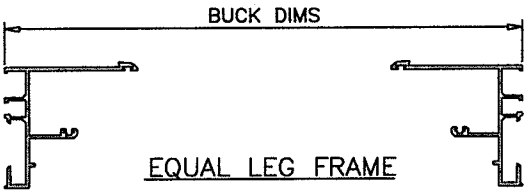
OPERATING VENTS TO BE 1/2 OF THE WINDOW WIDTH  
'XO OR OX'



DESIGN LOAD CAPACITY - PSF (XO OR OX SIZES)									
FLANGE DIMS.		BUCK DIMS.		STD. MTG. RAIL		H.D. MTG. RAIL		H.D. MTG. RAIL	
				GLASS TYPES 'A' & 'A1', 'B' & 'B1'		GLASS TYPES 'B' & 'B1'		GLASS TYPES 'C' & 'C1'	
WIDTH	HEIGHT	WIDTH	HEIGHT	EXT.(+)	INT.(-)	EXT.(+)	INT.(-)	EXT.(+)	INT.(-)
55-3/4"	26"	54-3/4"	25"	65.0	65.0	80.0	90.0	65.0	65.0
78-15/16"		77-15/16"		65.0	65.0	80.0	90.0	65.0	65.0
83-1/2"		82-1/2"		65.0	65.0	80.0	90.0	65.0	65.0
55-3/4"	38-3/8"	54-3/4"	37-3/8"	65.0	65.0	80.0	90.0	65.0	65.0
78-15/16"		77-15/16"		65.0	65.0	80.0	90.0	65.0	65.0
83-1/2"		82-1/2"		65.0	65.0	80.0	90.0	65.0	65.0
55-3/4"	50-5/8"	54-3/4"	49-5/8"	65.0	65.0	80.0	90.0	65.0	65.0
78-15/16"		77-15/16"		-	-	-	-	65.0	65.0
83-1/2"		82-1/2"		-	-	-	-	65.0	65.0
55-3/4"	63"	54-3/4"	62"	65.0	65.0	80.0	90.0	65.0	65.0
78-15/16"		77-15/16"		-	-	-	-	65.0	65.0
83-1/2"		82-1/2"		-	-	-	-	65.0	65.0



OPERATING VENTS TO BE 1/3 OF THE WINDOW WIDTH  
'XO OR OX'



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

FLANGE FRAME  
FLANGE ADAPTOR FRAME  
EQUAL LEG FRAME

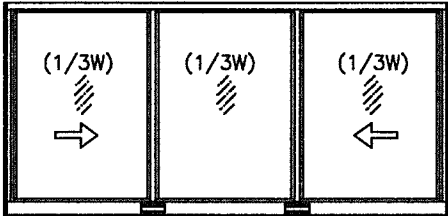
**PRODUCT REVISED**  
as complying with the Florida  
Building Code  
NOA-No. **20-0610.03**  
Expiration Date: **09/22/2025**  
By: Isaac I. Chanda  
Miami-Dade Product Control

Revision:

PREPARED BY A. LYNN MILLER 1070 TECHNOLOGY DRIVE N. VENICE, FL 34275 (941) 480-1600 REGISTRATION #29296	120 ALUM. HORIZONTAL SLIDING WINDOW (LM)	DESIGN PRESSURES 1	HR120 "SENTINEL"	Rev.	A
				Drawn By	J ROSOWSKI
				No.	HR120LM-NOA
				Sheet	3 OF 14
Impact Resistant Windows & Doors WE'RE STRONGER™ CGI WINDOWS & DOORS, INC. 3780 W 104TH STREET HIALEAH, FL 33018 (305) 593-6690	120 ALUM. HORIZONTAL SLIDING WINDOW (LM)	DESIGN PRESSURES 1	HR120 "SENTINEL"	Date	05/29/2020
				Scale	NTS
				Series	HR120 "SENTINEL"
				Desc.	HR120 "SENTINEL"

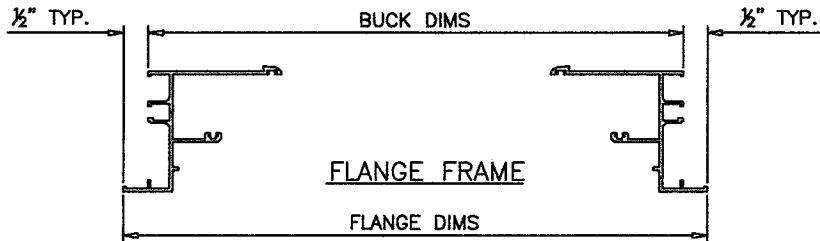
ANTHONY LYNN MILLER  
LICENSE  
No. 58705  
6/3/20  
STATE OF  
FLORIDA  
PROFESSIONAL ENGINEER  
A. LYNN MILLER, P.E.  
P.E.# 58705

DESIGN LOAD CAPACITY - PSF (XOX SIZES)							
FLANGE DIMS.		BUCK DIMS.		STD. MTG. RAIL		H.D. MTG. RAIL	
				GLASS TYPES 'A' & 'A1', 'B' & 'B1'		GLASS TYPES 'B' & 'B1'	
WIDTH	HEIGHT	WIDTH	HEIGHT	EXT.(+)	INT.(-)	EXT.(+)	INT.(-)
74"	26"	73"	25"	65.0	65.0	80.0	90.0
106-1/4"		105-1/4"		65.0	65.0	80.0	90.0
111"		110"		65.0	65.0	80.0	90.0
74"	38-3/8"	73"	37-3/8"	65.0	65.0	80.0	90.0
106-1/4"		105-1/4"		65.0	65.0	80.0	90.0
111"		110"		65.0	65.0	80.0	90.0
74"	50-5/8"	73"	49-5/8"	65.0	65.0	80.0	90.0
106-1/4"		105-1/4"		65.0	65.0	80.0	90.0
111"		110"		65.0	65.0	80.0	90.0
74"	63"	73"	62"	65.0	65.0	80.0	90.0
106-1/4"		105-1/4"		61.6	61.6	80.0	90.0
111"		110"		60.0	60.0	80.0	90.0

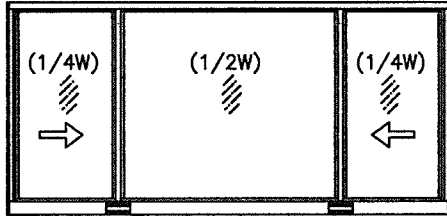


OPERATING VENTS TO BE 1/3 OF THE WINDOW WIDTH

'XOX'

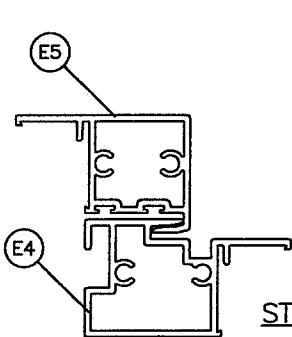
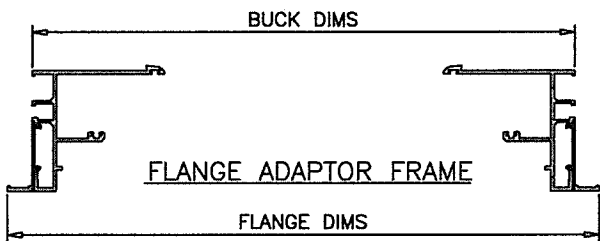
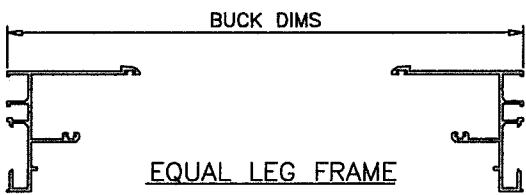


DESIGN LOAD CAPACITY - PSF (XOX SIZES)									
FLANGE DIMS.		BUCK DIMS.		STD. MTG. RAIL		H.D. MTG. RAIL		H.D. MTG. RAIL	
				GLASS TYPES 'A' & 'A1', 'B' & 'B1'		GLASS TYPES 'B' & 'B1'		GLASS TYPES 'C' & 'C1'	
WIDTH	HEIGHT	WIDTH	HEIGHT	EXT.(+)	INT.(-)	EXT.(+)	INT.(-)	EXT.(+)	INT.(-)
74"	26"	73"	25"	65.0	65.0	80.0	90.0	65.0	65.0
106-1/4"		105-1/4"		65.0	65.0	80.0	90.0	65.0	65.0
111"		110"		65.0	65.0	80.0	90.0	65.0	65.0
74"	38-3/8"	73"	37-3/8"	65.0	65.0	80.0	90.0	65.0	65.0
106-1/4"		105-1/4"		65.0	65.0	80.0	90.0	65.0	65.0
111"		110"		65.0	65.0	80.0	90.0	65.0	65.0
74"	50-5/8"	73"	49-5/8"	65.0	65.0	80.0	90.0	65.0	65.0
106-1/4"		105-1/4"		-	-	-	-	65.0	65.0
111"		110"		-	-	-	-	65.0	65.0
74"	63"	73"	62"	65.0	65.0	80.0	90.0	65.0	65.0
106-1/4"		105-1/4"		-	-	-	-	65.0	65.0
111"		110"		-	-	-	-	65.0	65.0

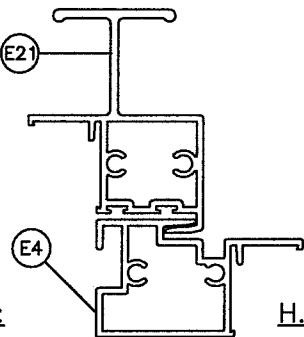


OPERATING VENTS TO BE 1/4 OF THE WINDOW WIDTH

'XOX'



STD. MTG. RAIL:



H.D. MTG. RAIL:

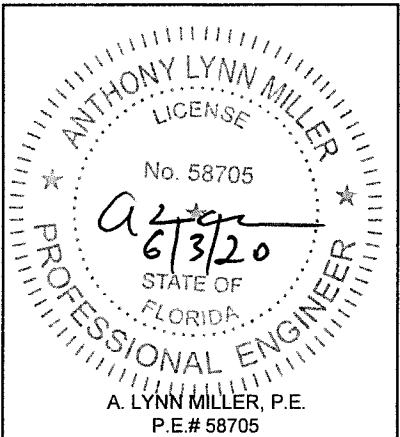
NOTE:  
GLASS CAPACITIES ON THIS SHEET ARE  
BASED ON ASTM E1300-09 (3 SEC. GUSTS)  
AND FLORIDA BUILDING COMMISSION  
DECLARATORY STATEMENT DCA05-DEC-219

FLANGE FRAME  
FLANGE ADAPTOR FRAME  
EQUAL LEG FRAME

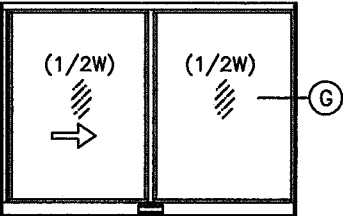
**PRODUCT REVISED**  
as complying with the Florida  
Building Code  
**NOA-No. 20-0610.03**  
**Expiration Date: 09/22/2025**  
By: Isaac I. Chandra  
**Miami-Dade Product Control**

Revision:

PREPARED BY A. LYNN MILLER 1070 TECHNOLOGY DRIVE N. VENICE, FL 34275 (941) 480-1600	REGISTRATION #29296	120 ALUM. HORIZONTAL SLIDING WINDOW (LM)	J ROSOWSKI	HR120LM-NOA	A
Impact Resistant Windows & Doors WE'RE STRONGER™ CGI WINDOWS & DOORS, INC. 3780 W 104TH STREET HIALEAH, FL 33018 (305) 593-6590	DESIGN PRESSURES 2	HR120 "SENTINEL"	NTS	4 OF 14	Sheet
120 ALUM. HORIZONTAL SLIDING WINDOW (LM)	J ROSOWSKI	HR120LM-NOA	A	Rev.	Date



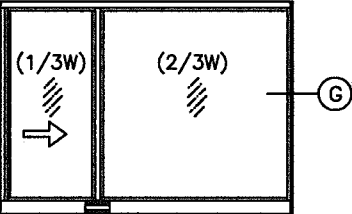
DESIGN LOAD CAPACITY - PSF (XO OR OX SIZES)					
BUCK DIMS.		STD. MTG. RAIL		H.D. MTG. RAIL	
		GLASS TYPES 'A' & 'A1', 'B' & 'B1'		GLASS TYPES 'B' & 'B1'	
WIDTH	HEIGHT	EXT.(+)	INT.(-)	EXT.(+)	INT.(-)
25-1/2"	25"	65.0	65.0	80.0	80.0
36"		65.0	65.0	80.0	80.0
52-1/8"		65.0	65.0	80.0	80.0
73"		65.0	65.0	80.0	80.0
25-1/2"	37-3/8"	65.0	65.0	80.0	80.0
36"		65.0	65.0	80.0	80.0
52-1/8"		65.0	65.0	80.0	80.0
73"		65.0	65.0	80.0	80.0
25-1/2"	49-5/8"	65.0	65.0	80.0	80.0
36"		65.0	65.0	80.0	80.0
52-1/8"		65.0	65.0	80.0	80.0
73"		65.0	65.0	80.0	80.0
25-1/2"	62"	65.0	65.0	80.0	80.0
36"		65.0	65.0	80.0	80.0
52-1/8"		65.0	65.0	80.0	80.0
73"		60.2	60.2	80.0	80.0



OPERATING VENTS TO BE 1/2 OF THE WINDOW WIDTH

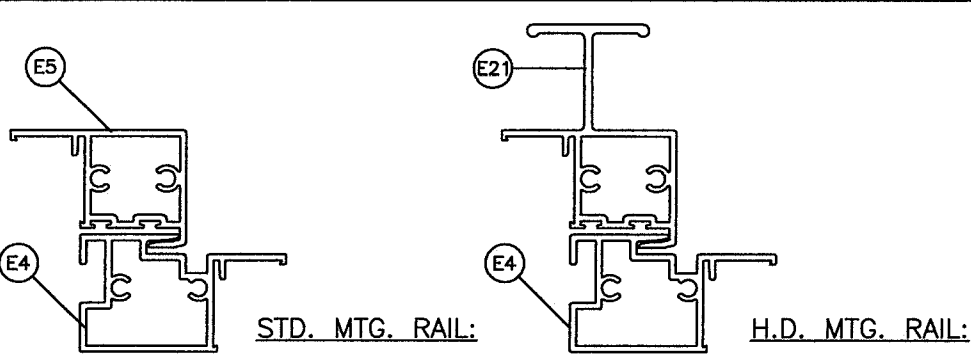
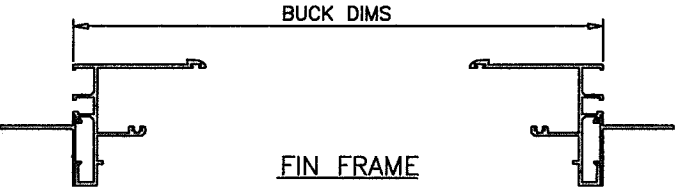
'XO OR OX'

DESIGN LOAD CAPACITY - PSF (XO OR OX SIZES)							
BUCK DIMS.		STD. MTG. RAIL		H.D. MTG. RAIL	H.D. MTG. RAIL		
		GLASS TYPES 'A' & 'A1', 'B' & 'B1'		GLASS TYPES 'B' & 'B1'	GLASS TYPES 'C' & 'C1'		
WIDTH	HEIGHT	EXT.(+)	INT.(-)	EXT.(+)	INT.(-)	EXT.(+)	INT.(-)
54-3/4"	25"	65.0	65.0	80.0	80.0	65.0	65.0
77-15/16"		65.0	65.0	80.0	80.0	65.0	65.0
82-1/2"		65.0	65.0	80.0	80.0	65.0	65.0
54-3/4"		65.0	65.0	80.0	80.0	65.0	65.0
77-15/16"	37-3/8"	65.0	65.0	80.0	80.0	65.0	65.0
82-1/2"		65.0	65.0	80.0	80.0	65.0	65.0
54-3/4"		65.0	65.0	80.0	80.0	65.0	65.0
77-15/16"		65.0	65.0	80.0	80.0	65.0	65.0
82-1/2"	49-5/8"	-	-	-	-	65.0	65.0
54-3/4"		-	-	-	-	65.0	65.0
77-15/16"		-	-	-	-	65.0	65.0
82-1/2"		-	-	-	-	65.0	65.0
54-3/4"	62"	65.0	65.0	80.0	80.0	65.0	65.0
77-15/16"		-	-	-	-	65.0	65.0
82-1/2"		-	-	-	-	65.0	65.0
54-3/4"		-	-	-	-	65.0	65.0




OPERATING VENTS TO BE 1/3 OF THE WINDOW WIDTH

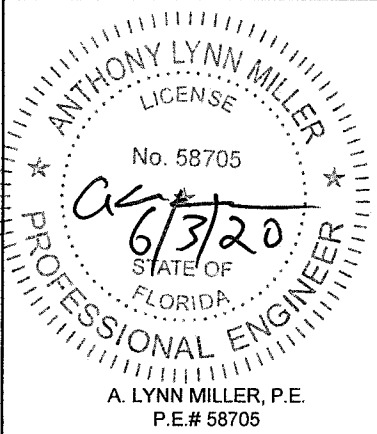
'XO OR OX'



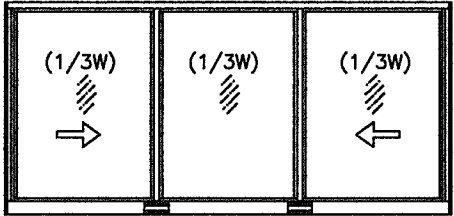
NOTE:  
GLASS CAPACITIES ON THIS SHEET ARE  
BASED ON ASTM E1300-09 (3 SEC. GUSTS)  
AND FLORIDA BUILDING COMMISSION  
DECLARATORY STATEMENT DCA05-DEC-219

**PRODUCT REVISED**  
as complying with the Florida  
Building Code  
NOA-No. **20-0610.03**  
Expiration Date: **09/22/2025**  
By: Ismael L. Chanda  
Miami-Dade Product Control

 <b>Impact Resistant Windows &amp; Doors</b> <b>WE'RE STRONGER™</b>  CGI WINDOWS & DOORS, INC. 3780 W 104TH STREET HIALEAH, FL 33018 (305) 593-6690	REGISTRATION #29296			05/29/2020					
	120 ALUM. HORIZONTAL SLIDING WINDOW (LM)			Date					
	DESIGN PRESSURES 3			By					
	120 ALUM. HORIZONTAL SLIDING WINDOW (LM)			J ROSOWSKI					
Series	HR120 "SENTINEL"	Scale	NTS	Sheet	5 OF 14	DWG No.	HR120LM-NOA	Rev.	A



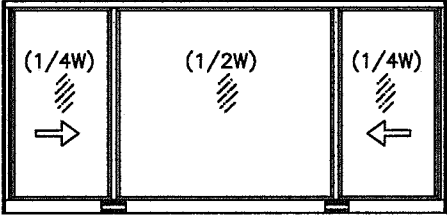
DESIGN LOAD CAPACITY - PSF (XOX SIZES)					
BUCK DIMS.		STD. MTG. RAIL		H.D. MTG. RAIL	
		GLASS TYPES 'A' & 'A1', 'B' & 'B1'		GLASS TYPES 'B' & 'B1'	
WIDTH	HEIGHT	EXT.(+)	INT.(-)	EXT.(+)	INT.(-)
73"	25"	65.0	65.0	80.0	80.0
105-1/4"		65.0	65.0	80.0	80.0
110"		65.0	65.0	80.0	80.0
73"	37-3/8"	65.0	65.0	80.0	80.0
105-1/4"		65.0	65.0	80.0	80.0
110"		65.0	65.0	80.0	80.0
73"	49-5/8"	65.0	65.0	80.0	80.0
105-1/4"		65.0	65.0	80.0	80.0
110"		65.0	65.0	80.0	80.0
73"	62"	65.0	65.0	80.0	80.0
105-1/4"		61.6	61.6	80.0	80.0
110"		60.0	60.0	80.0	80.0



OPERATING VENTS TO BE 1/3 OF THE WINDOW WIDTH

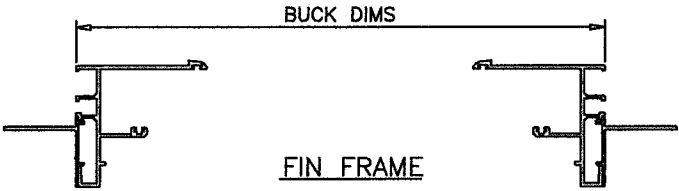
'XOX'

DESIGN LOAD CAPACITY - PSF (XOX SIZES)							
BUCK DIMS.		STD. MTG. RAIL		H.D. MTG. RAIL		H.D. MTG. RAIL	
		GLASS TYPES 'A' & 'A1', 'B' & 'B1'		GLASS TYPES 'B' & 'B1'		GLASS TYPES 'C' & 'C1'	
WIDTH	HEIGHT	EXT.(+)	INT.(-)	EXT.(+)	INT.(-)	EXT.(+)	INT.(-)
73"	25"	65.0	65.0	80.0	80.0	65.0	65.0
105-1/4"		65.0	65.0	80.0	80.0	65.0	65.0
110"		65.0	65.0	80.0	80.0	65.0	65.0
73"	37-3/8"	65.0	65.0	80.0	80.0	65.0	65.0
105-1/4"		65.0	65.0	80.0	80.0	65.0	65.0
110"		65.0	65.0	80.0	80.0	65.0	65.0
73"	49-5/8"	65.0	65.0	80.0	80.0	65.0	65.0
105-1/4"		-	-	-	-	65.0	65.0
110"		-	-	-	-	65.0	65.0
73"	62"	65.0	65.0	80.0	80.0	65.0	65.0
105-1/4"		-	-	-	-	65.0	65.0
110"		-	-	-	-	65.0	65.0

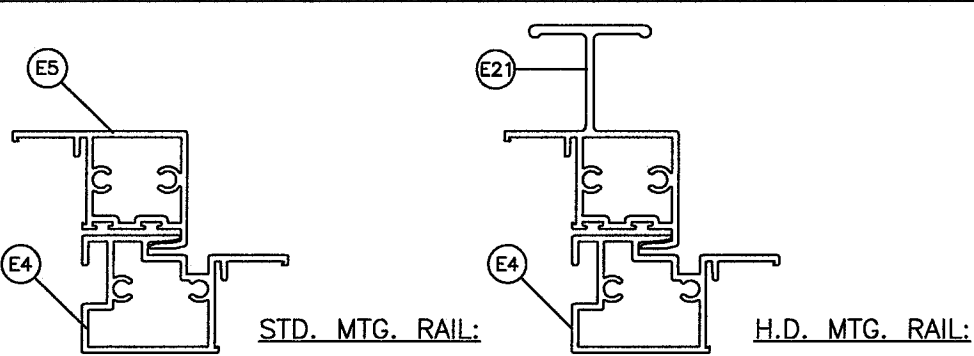


OPERATING VENTS TO BE 1/4 OF THE WINDOW WIDTH

'XOX'



FIN FRAME



NOTE:  
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. 20-0610.03  
Expiration Date: 09/22/2025  
By: Ishag I. Chande  
Miami-Dade Product Control

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

REGISTRATION #29296

CGI  
Impact Resistant  
Windows & Doors  
WE'RE STRONGER™

CGI WINDOWS & DOORS, INC.  
3780 W 104TH STREET  
HIALEAH, FL 33018  
(305) 593-6690

120 ALUM. HORIZONTAL SLIDING WINDOW (LM)

DESIGN PRESSURES 4

HR120 "SENTINEL"

05/29/2020

J ROSOWSKI

HR120LM-NOA

6 OF 14

NTS

HR120 "SENTINEL"

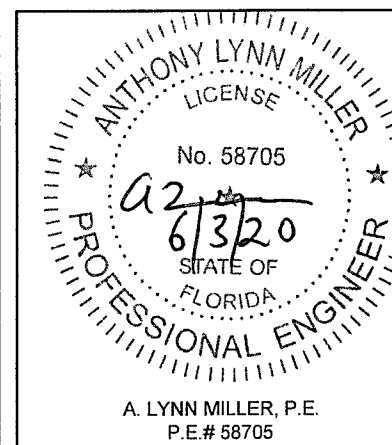
ANTHONY LYNN MILLER  
LICENSE  
No. 58705  
6/3/20  
STATE OF  
FLORIDA  
PROFESSIONAL ENGINEER  
A. LYNN MILLER, P.E.  
P.E.# 58705



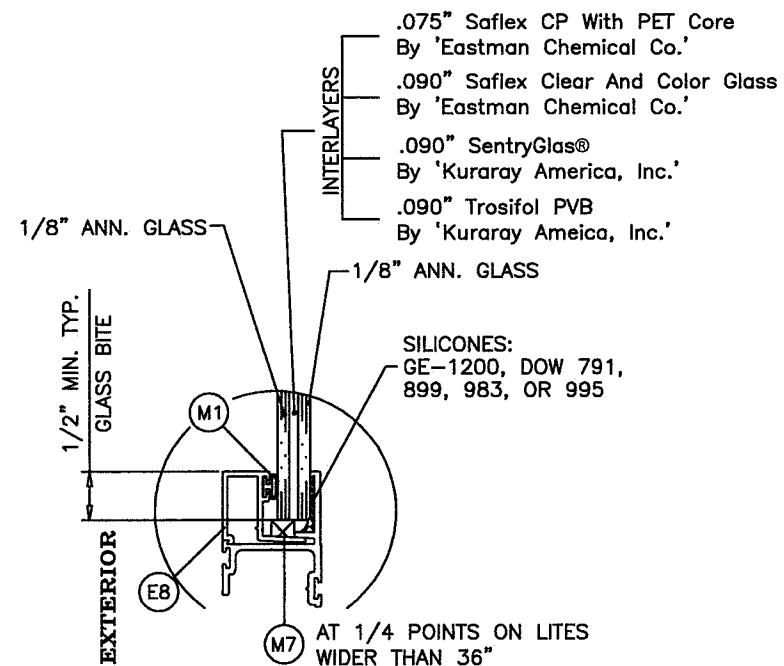
**PRODUCT REVISED**  
as complying with the Florida  
Building Code  
NOA-No. **20-0610.03**  
Expiration Date: **09/22/2025**  
By: Ishag I. Chande  
Miami-Dade Product Control

ADDED BACKBEDDING  
TYPES - JR - 5/29/20

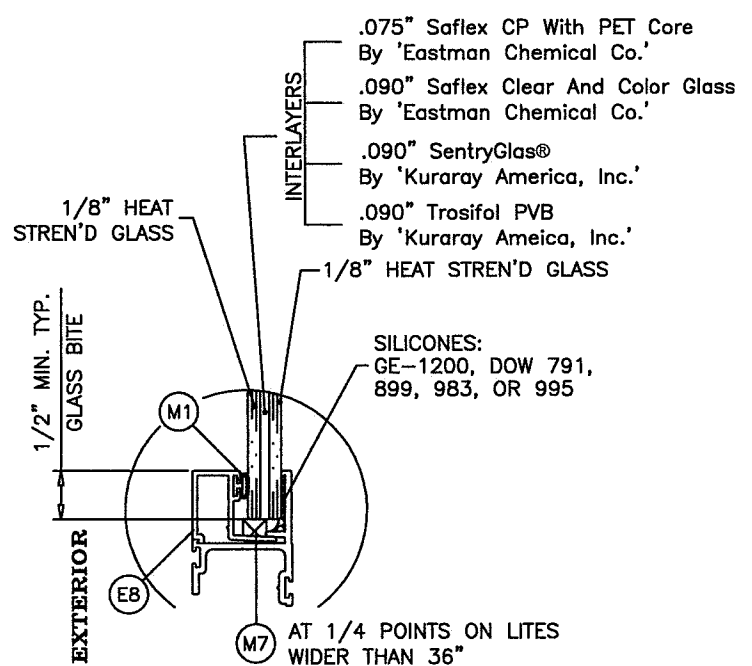
PREPARED BY A. LYNN MILLER 1070 TECHNOLOGY DRIVE N. VENICE, FL 34275 (941) 480-1600	REGISTRATION #29296	05/29/2020	J ROSOWSKI	Rev.
				A
				HR120LM-NOA
				DWG
Impact Resistant Windows & Doors WE'RE STRONGER™ CGI WINDOWS & DOORS, INC. 3780 W 104TH STREET HIALEAH, FL 33018 (305) 593-6590	120 ALUM. HORIZONTAL SLIDING WINDOW (LM)	GLAZING DETAILS	HR120 "SENTINEL"	7 OF 14
				NTS
				Scale
				Sheet



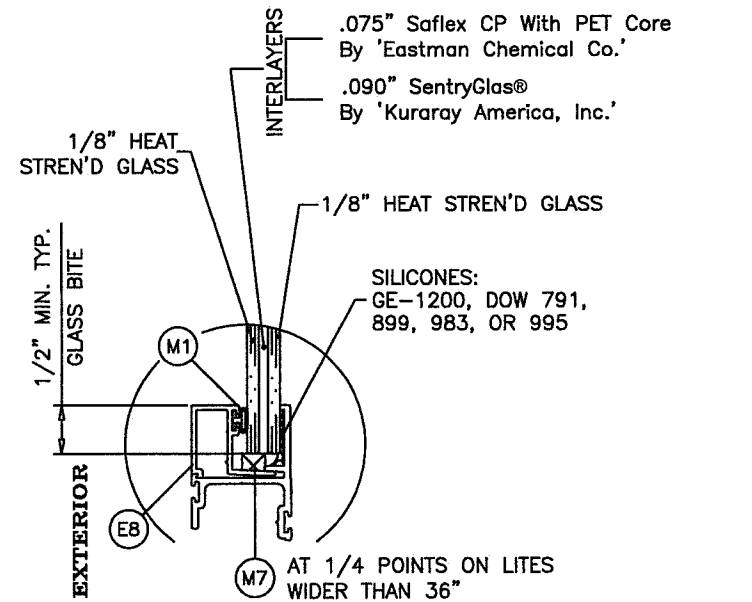
A. LYNN MILLER, P.E.  
P.E.# 58705



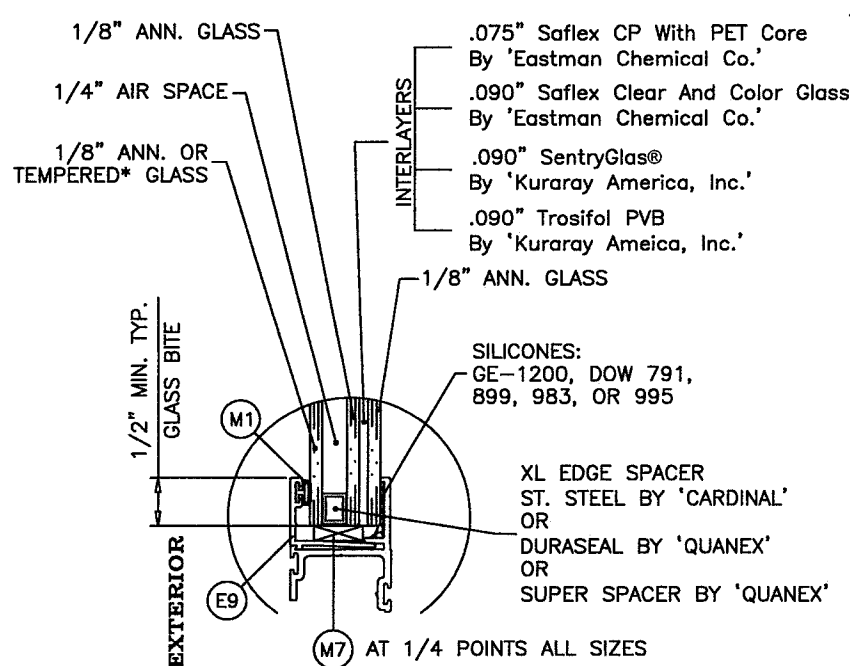
**GLASS TYPE 'A'**  
5/16" NOMINAL LAM. GLASS  
(L.M.I. & S.M.I.)



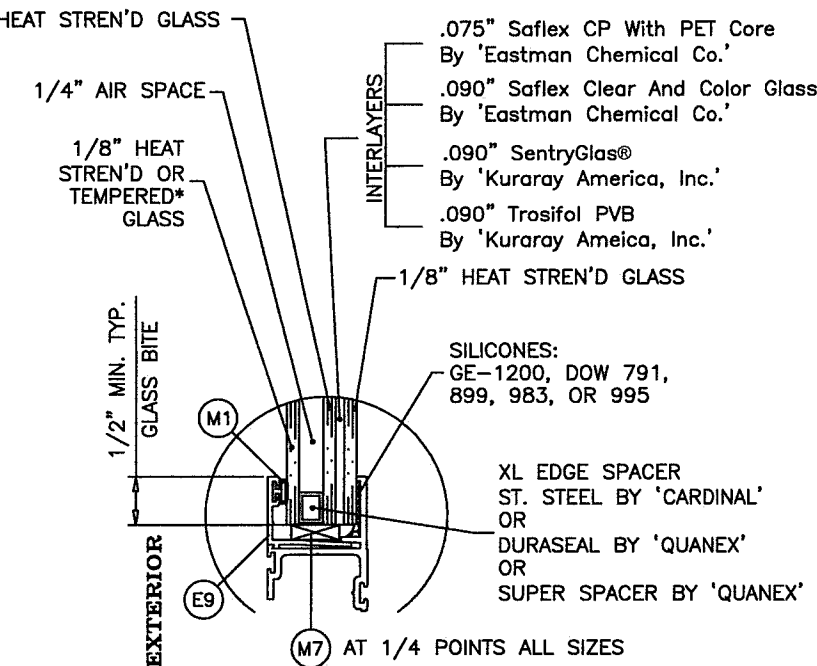
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(L.M.I. & S.M.I.)



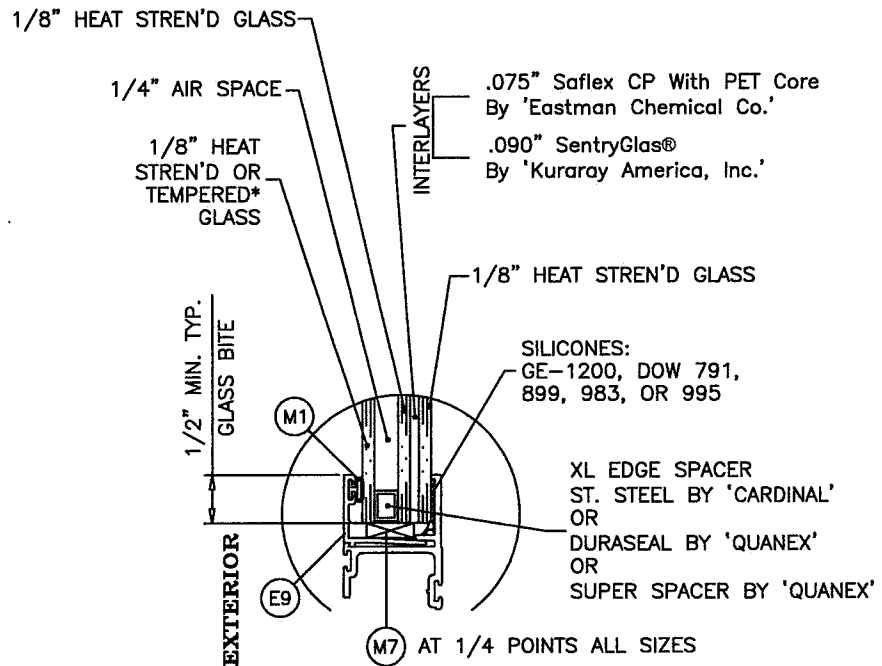
**GLASS TYPE 'C'**  
5/16" NOMINAL LAM. GLASS  
(L.M.I. & S.M.I.)



**GLASS TYPE 'A1'**  
0.70" OVERALL INSUL. LAM. GLASS  
(L.M.I. & S.M.I.)



**GLASS TYPE 'B1'**  
0.70" OVERALL INSUL. LAM. GLASS  
(L.M.I. & S.M.I.)

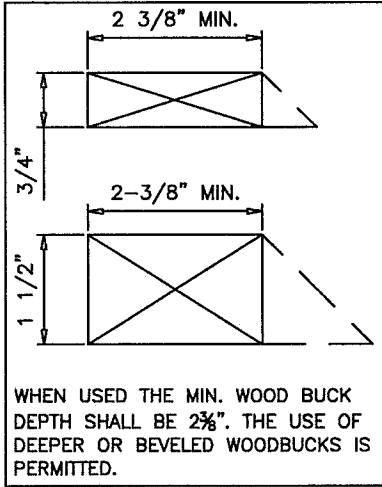
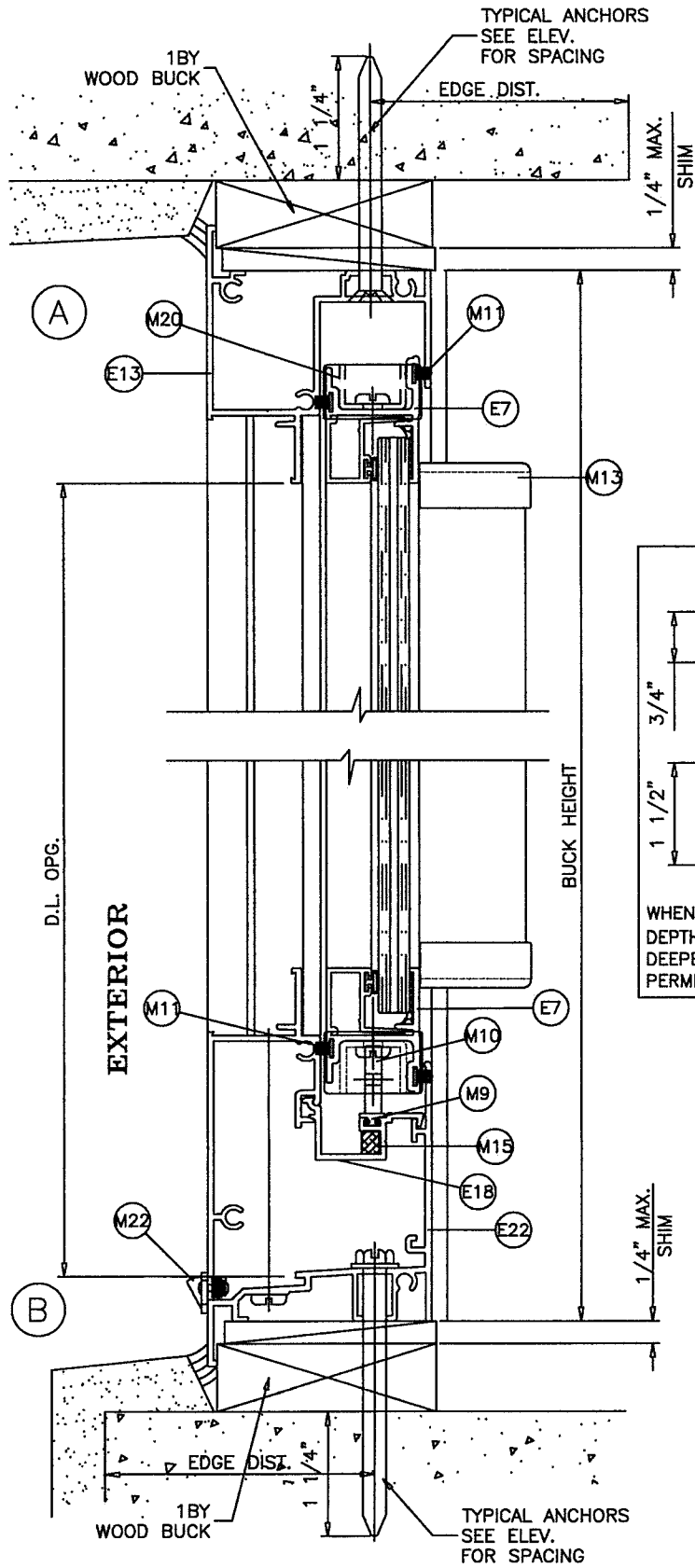


**GLASS TYPE 'C1'**  
0.70" OVERALL INSUL. LAM. GLASS  
(L.M.I. & S.M.I.)

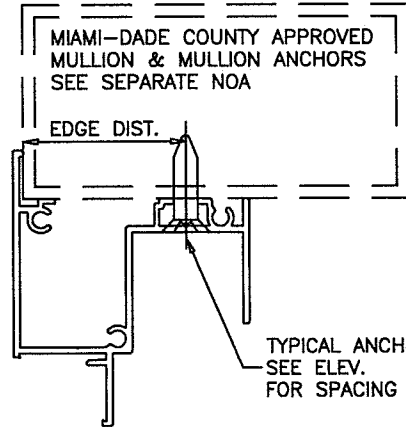
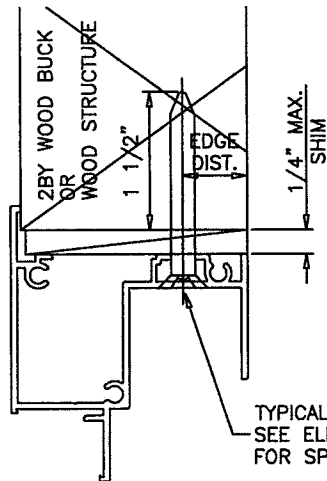
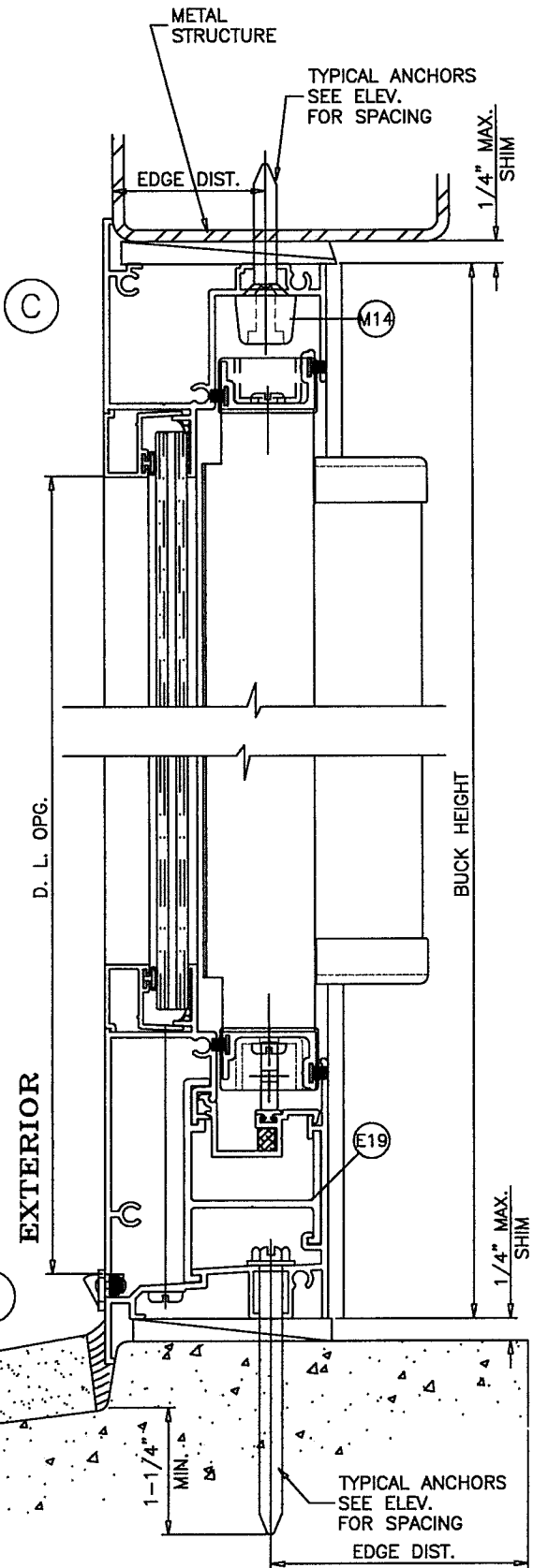
\* FOR INSULATED GLASS INSTALLATIONS ABOVE 30' IN THE HVHZ, OR FOR SAFETY GLAZING APPLICATIONS PER THE FBC, THE OUTBOARD LITE (CAP) MUST BE TEMPERED.



FLANGE & FLANGE ADAPTOR FRAME



WHEN USED THE MIN. WOOD BUCK DEPTH SHALL BE 2 3/8\"/>



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. ULTRACON BY 'ELCO' (Fu=177 KSI, Fy=155 KSI)  
INTO 2BY WOOD BUCKS OR WOOD STRUCTURES  
1-1/2" 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 = 2-1/2" 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.

INSTALLATION DETAILS SHOWN ON PAGES 8 & 9 APPLY TO BOTH FLANGE FRAME AND FLANGE ADAPTOR FRAMES.

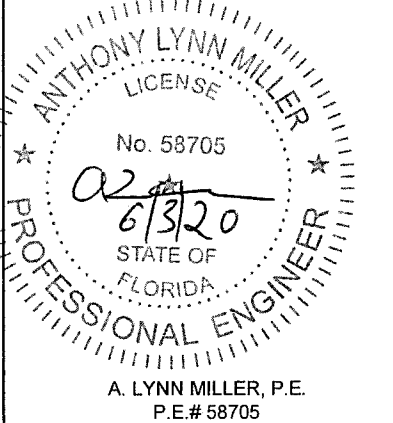
**WEEPHOLES:**  
W1 = 1/4" X 1-1/2" WEEP SLOT AT 4-1/8" FROM EACH END WITH PLASTIC COVER.  
W2 = 1/8" X 1/2" WEEP SLOT AT 3-1/8" FROM EACH END.  
W3 = 1/8" X 1/2" WEEP SLOT AT 3-1/8" FROM EACH END.

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

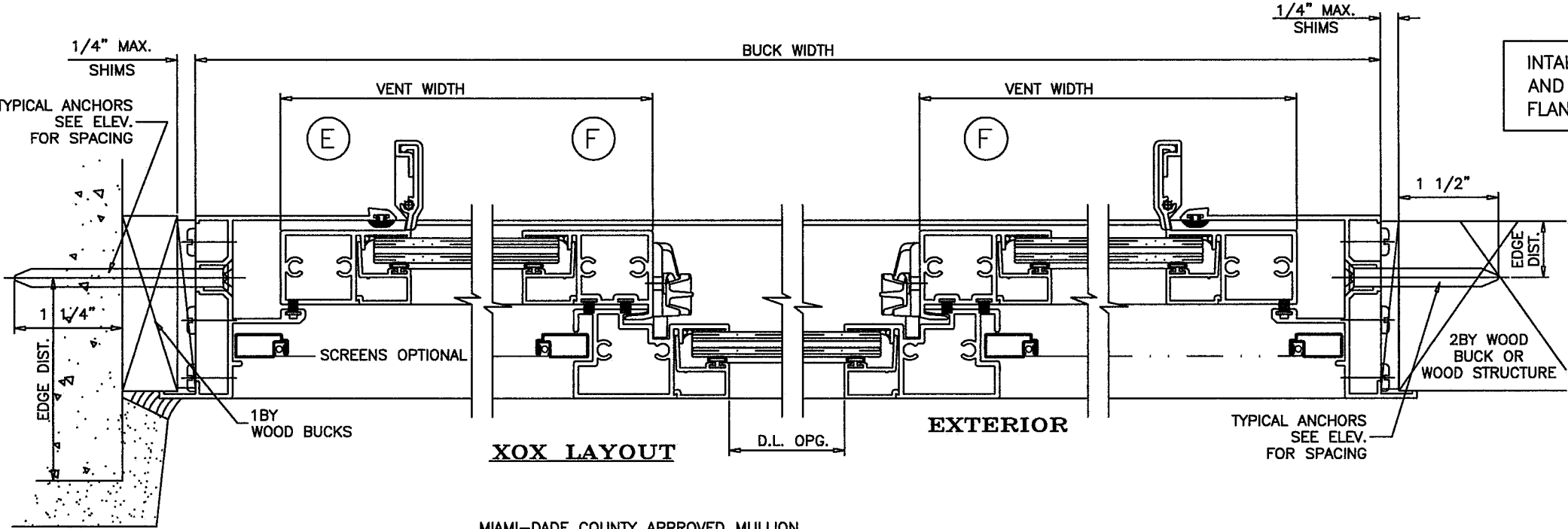
**PRODUCT REVISED**  
as complying with the Florida Building Code  
NOA-No. 20-0610.03  
Expiration Date: 09/22/2025  
By: Ishag I. Chande  
Miami-Dade Product Control

Revision: ADDED ANCHOR TYPE & REFORMATTED - JR - 5/29/20

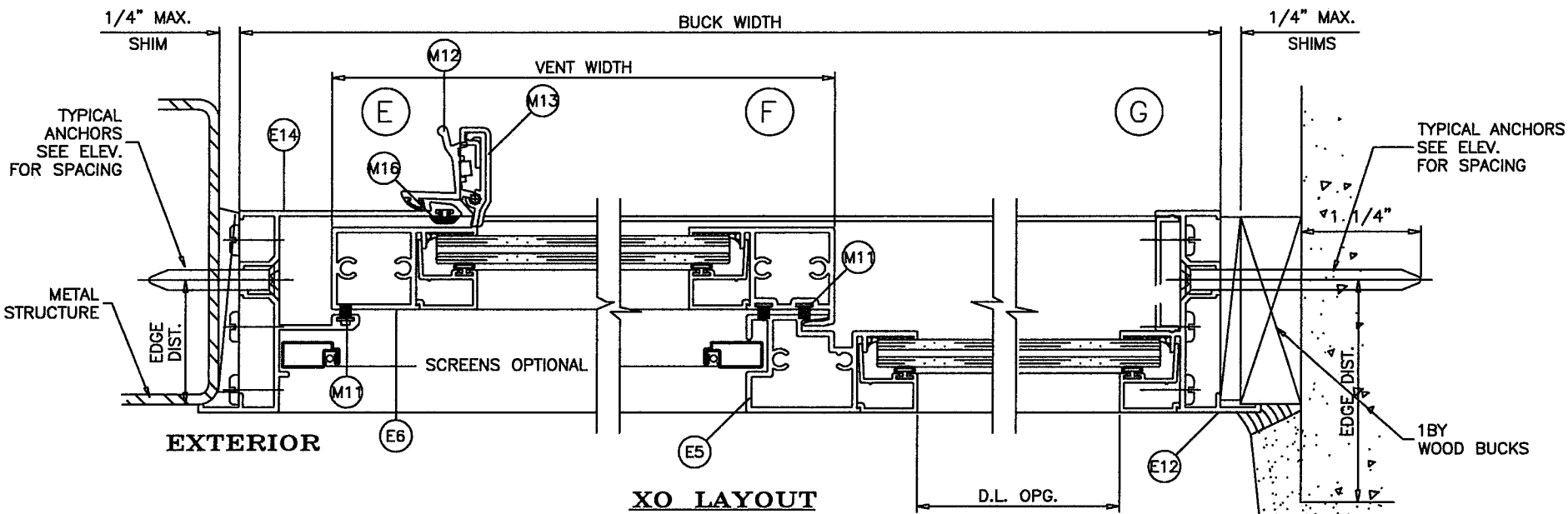
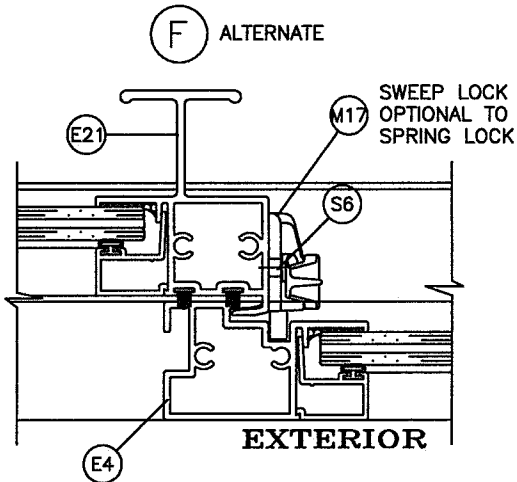
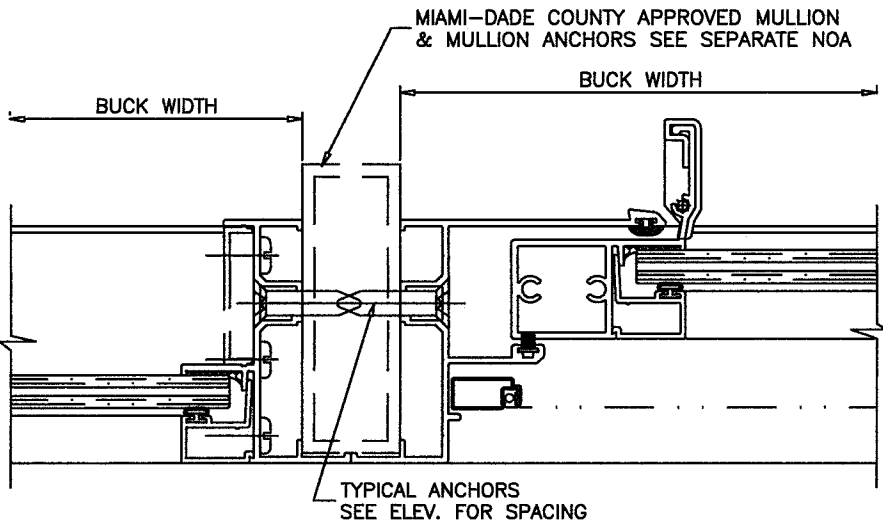
PREPARED BY A. LYNN MILLER 1070 TECHNOLOGY DRIVE N. VENICE, FL 34275 (941) 480-1600	REGISTRATION #29296	120 ALUM. HORIZONTAL SLIDING WINDOW (LM)	J ROSOWSKI	A
Impact Resistant Windows & Doors WE'RE STRONGER™ CGI WINDOWS & DOORS, INC. 3780 W 104TH STREET HIALEAH, FL 33018 (305) 593-6590	120 ALUM. HORIZONTAL SLIDING WINDOW (LM)	J ROSOWSKI	A	A
120 ALUM. HORIZONTAL SLIDING WINDOW (LM)	J ROSOWSKI	A	A	A



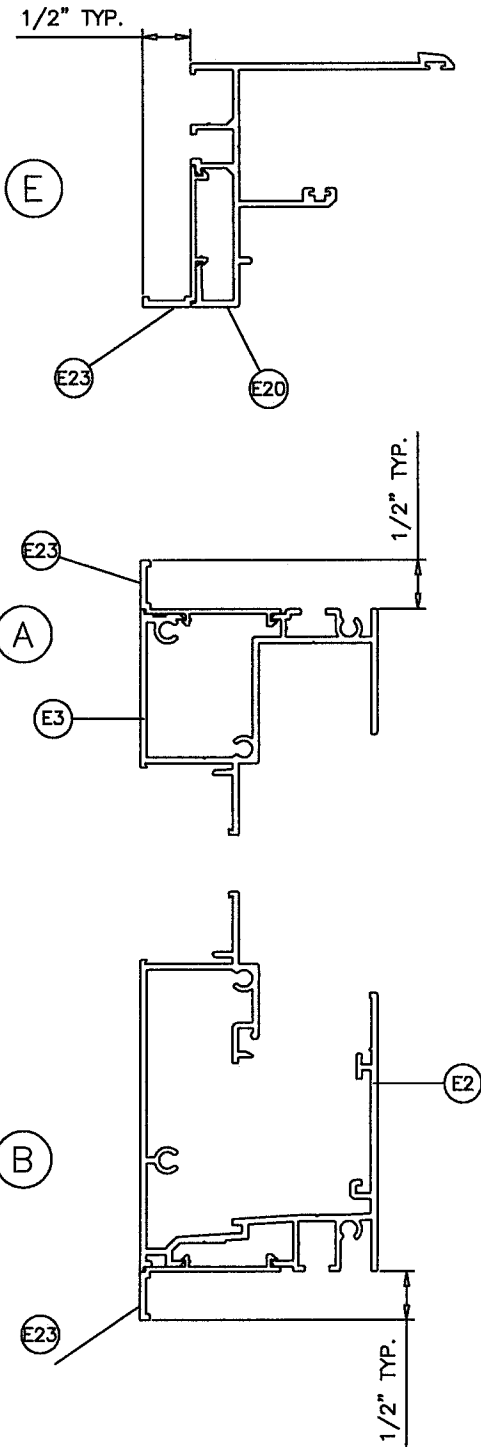
FLANGE & FLANGE ADAPTOR FRAME



INTALLATION DETAILS SHOWN ON PAGES 8 AND 9 APPLY TO BOTH FLANGE FRAME AND FLANGE ADAPTOR FRAMES.

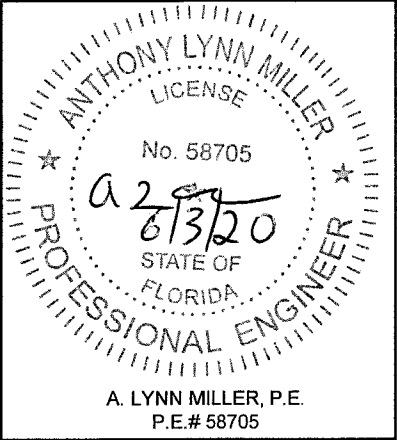


FLANGE ADAPTOR FRAME

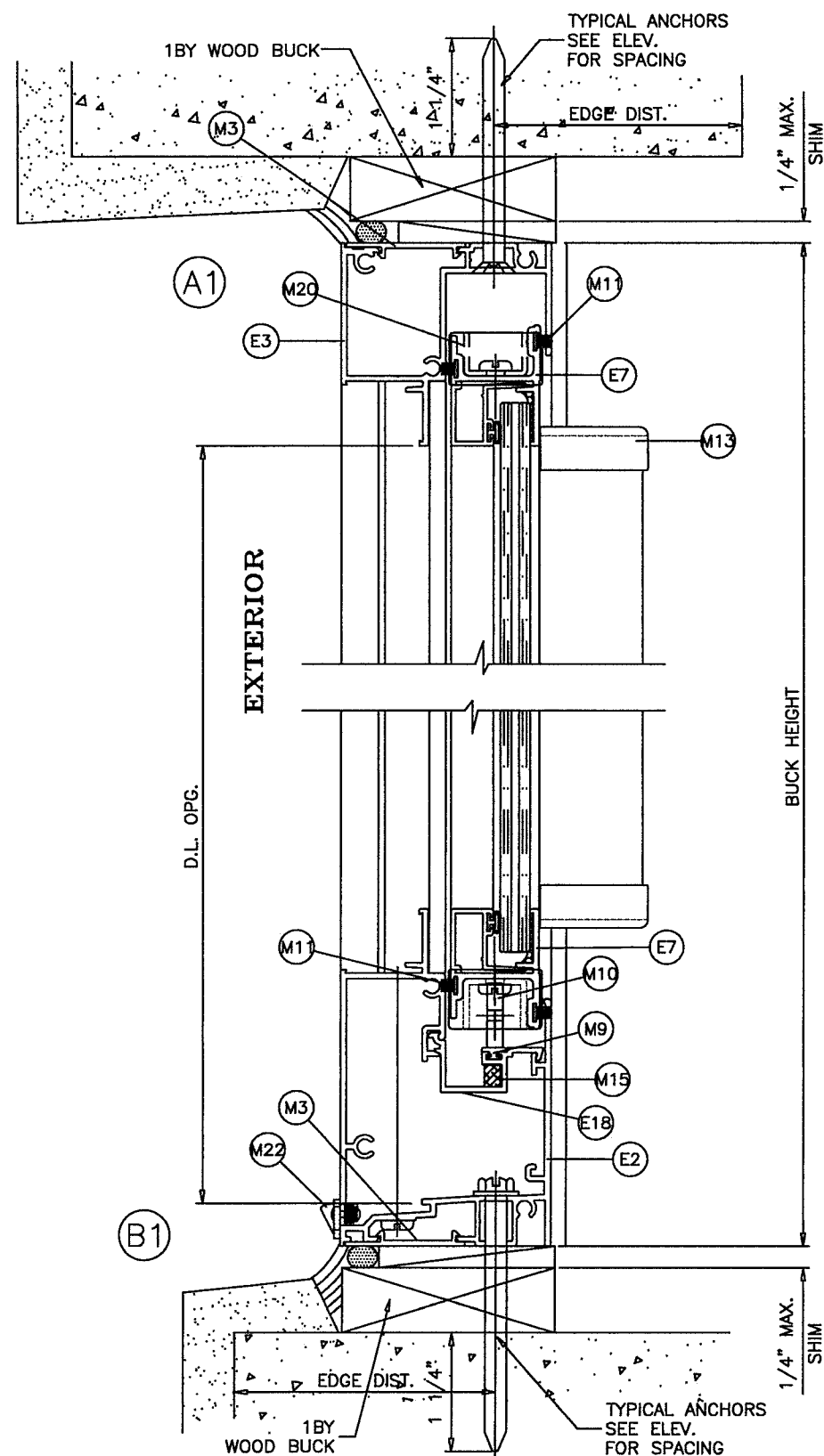


**PRODUCT REVISED**  
as complying with the Florida Building Code  
NOA-No. **20-0610.03**  
Expiration Date: **09/22/2025**  
By: *Ismael I. Chanda*  
Miami-Dade Product Control

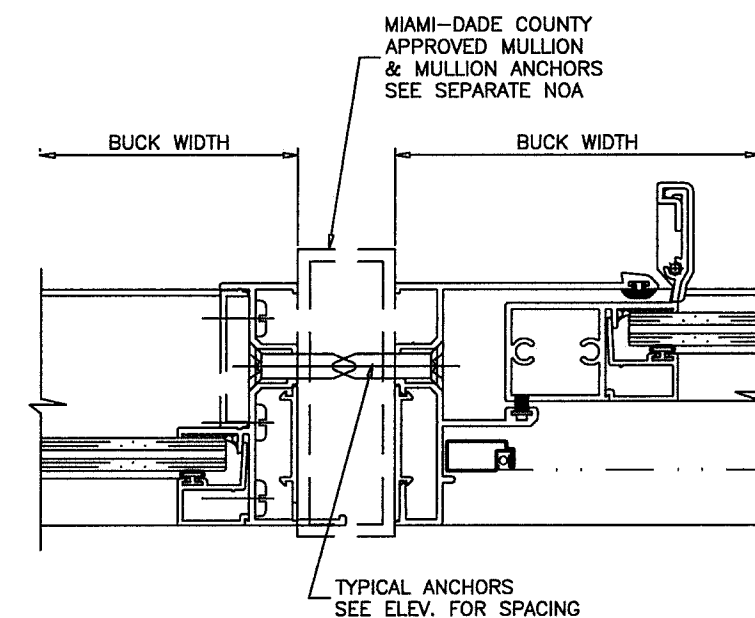
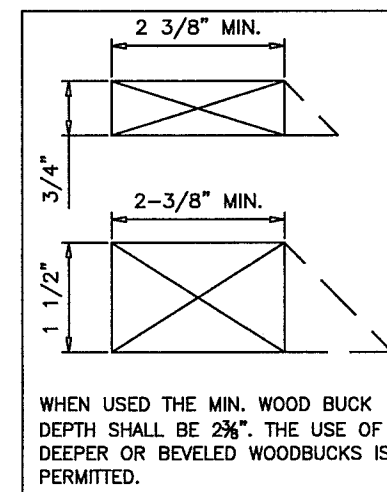
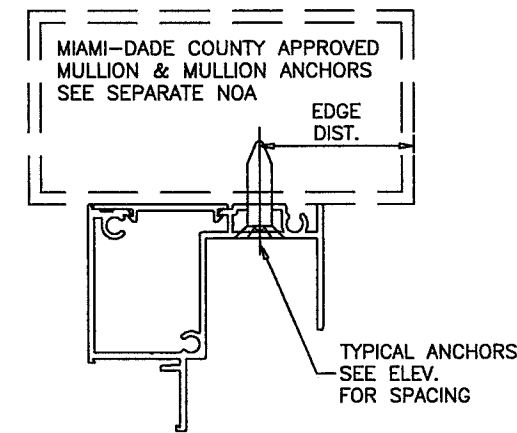
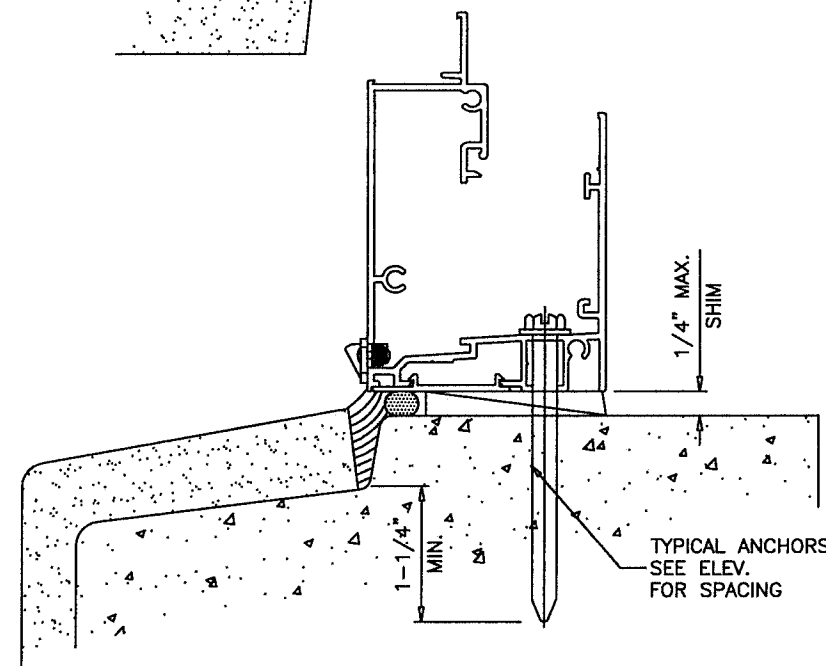
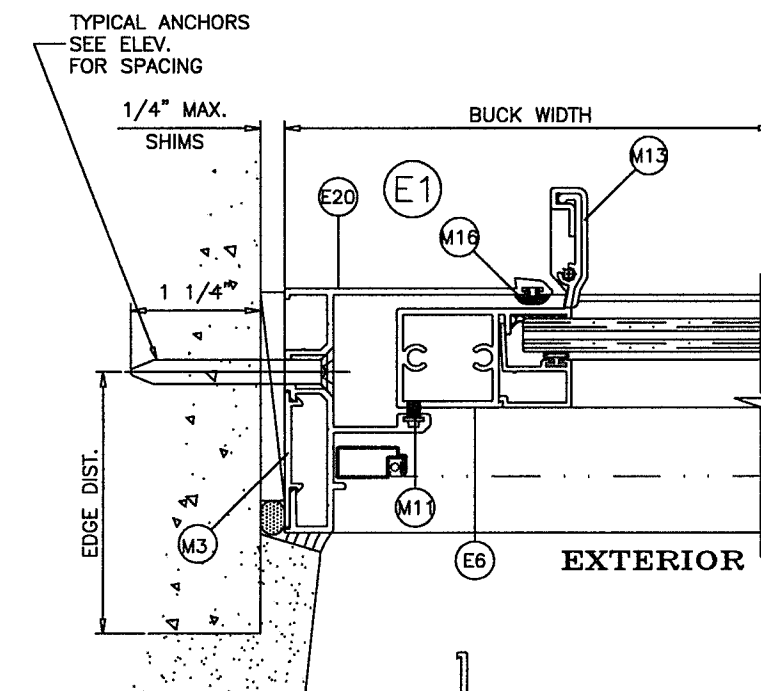
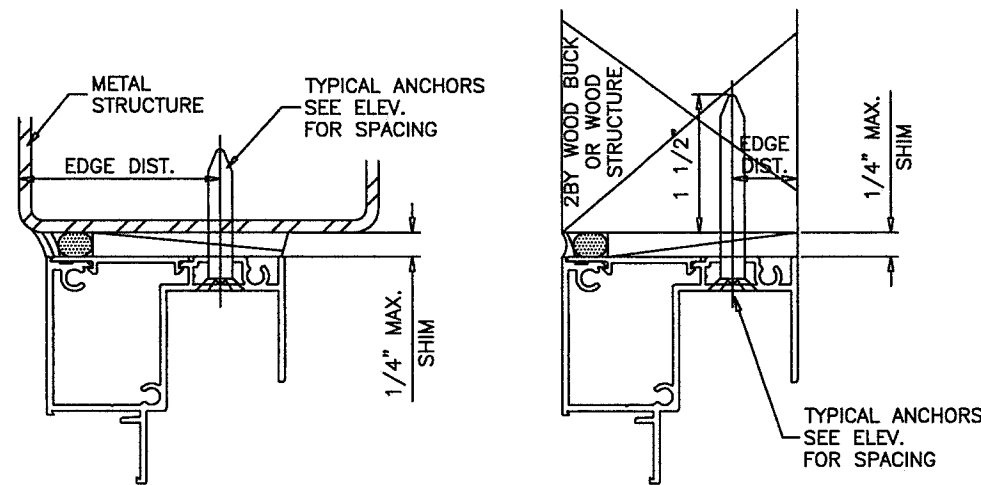
Revision:		Date		By		Dwg No.		Sheet		Scale		Series	
		05/29/2020		J ROSOWSKI		HR120LM-NOA		9 OF 14		NTS		HR120 "SENTINEL"	
PREPARED BY A. LYNN MILLER 1070 TECHNOLOGY DRIVE N. VENICE, FL 34275 (941) 480-1600		REGISTRATION #29296		120 ALUM. HORIZONTAL SLIDING WINDOW (LM)		FLANGE INSTALLATION DETAILS							
Impact Resistant Windows & Doors WERE STRONGER™ CGI WINDOWS & DOORS, INC. 3780 W 104TH STREET HIALEAH, FL 33018 (305) 593-6590													



# EQUAL LEG FRAME



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

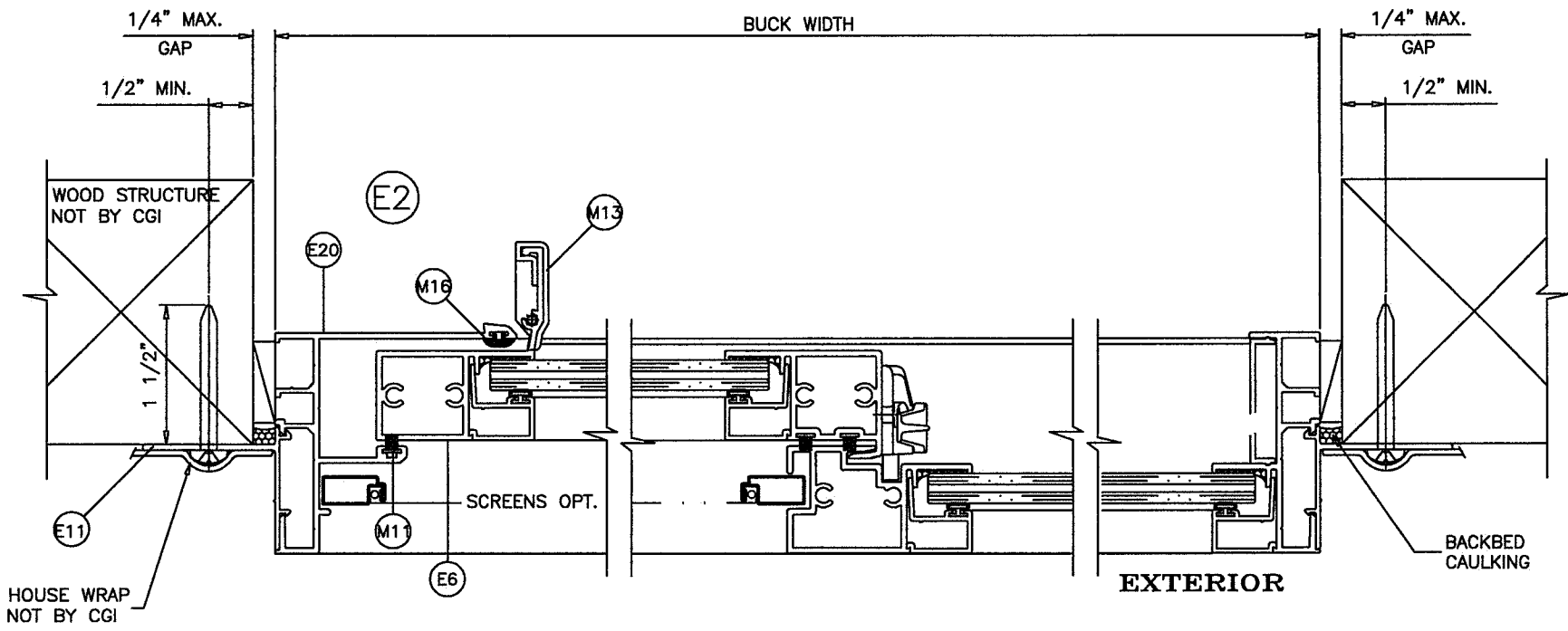
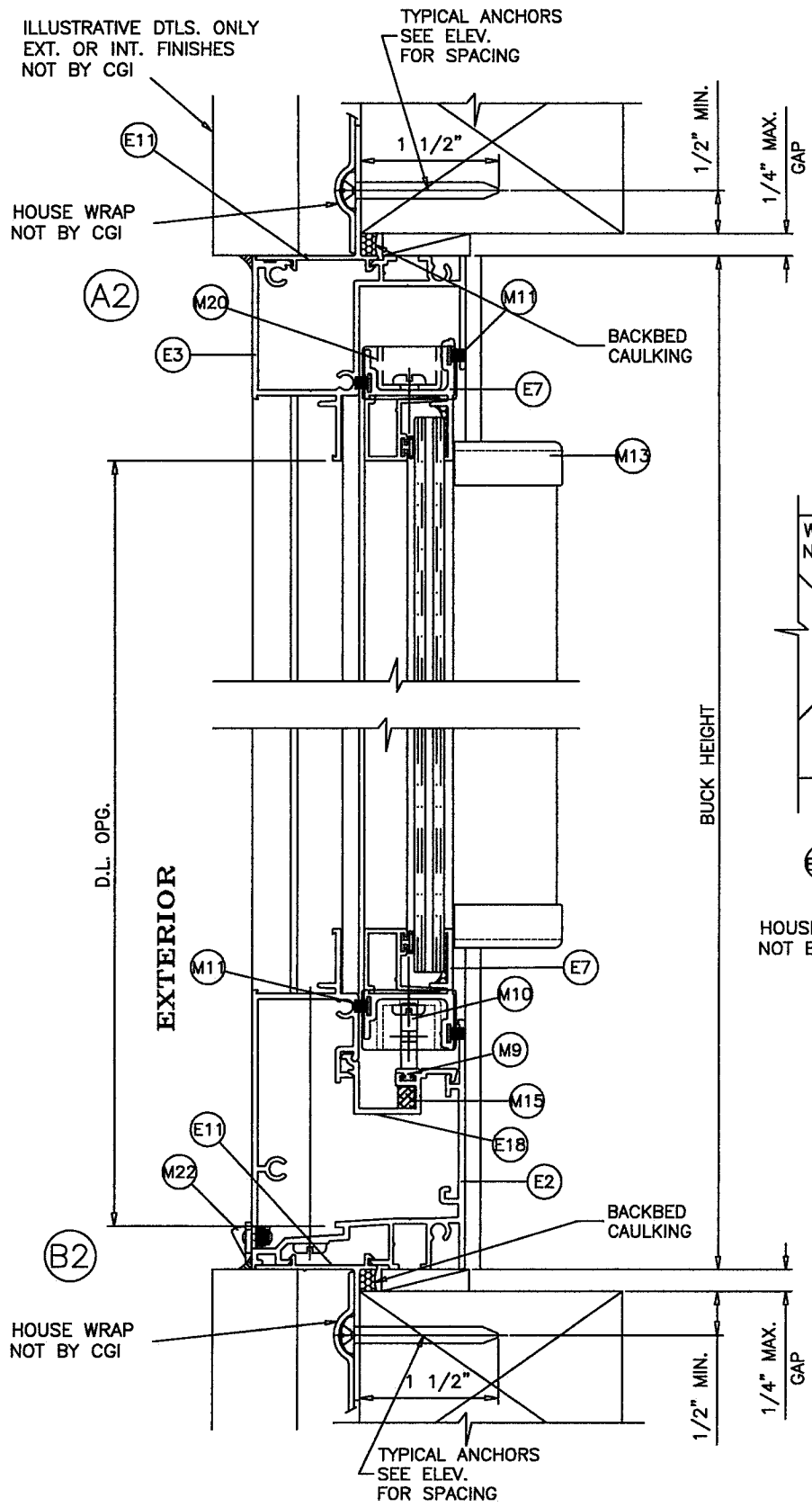


**PRODUCT REVISED**  
as complying with the Florida Building Code  
NOA-No. **20-0610.03**  
Expiration Date: **09/22/2025**  
By: Ismael I. Chanda  
**Miami-Dade Product Control**

PREPARED BY A. LYNN MILLER 1070 TECHNOLOGY DRIVE N. VENICE, FL 34275 (941) 480-1600	REGISTRATION #29296	Date 05/29/2020	By J ROSOWSKI	Rev.	A
				No.	HR120LM-NOA
Impact Resistant Windows & Doors WE'RE STRONGER™ CGI WINDOWS & DOORS, INC. 3780 W 104TH STREET HIALEAH, FL 33018 (305) 593-6590	120 ALUM. HORIZONTAL SLIDING WINDOW (LM)	EQUAL LEG INSTALLATION DETAILS	HR120 "SENTINEL"	DWG	10 OF 14
				Sheet	NTS
Anthony Lynn Miller LICENSE No. 58705 6/3/20 STATE OF FLORIDA PROFESSIONAL ENGINEER	A. LYNN MILLER, P.E. P.E.# 58705			Scale	
				Series	



FIN FRAME



**TYPICAL ANCHORS:** SEE ELEV. FOR SPACING

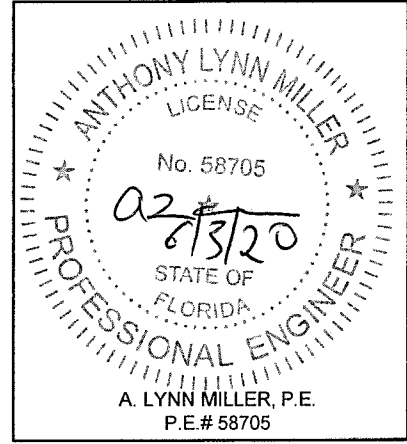
**#8 SMS** (Fu = 74 KSI MIN.)

INTO 2BY WOOD BUCKS OR WOOD STRUCTURES

1-1/2" MIN. PENETRATION INTO WOOD

**PRODUCT REVISED**  
as complying with the Florida  
Building Code  
NOA-No. **20-0610.03**  
Expiration Date: **09/22/2025**  
By: Isaac I. Chandra  
Miami-Dade Product Control

Revision:		Prepared by A. LYNN MILLER 1070 TECHNOLOGY DRIVE N. VENICE, FL 34275 (941) 480-1600		REGISTRATION #29296		Date		05/29/2020		By		J ROSOWSKI		Rev.		A	
Impact Resistant Windows & Doors WE'RE STRONGER™		CGI WINDOWS & DOORS, INC. 3780 W 104TH STREET HIALEAH, FL 33018 (305) 593-6590		120 ALUM. HORIZONTAL SLIDING WINDOW (LM)		FIN FRAME INSTALLATION DETAILS		HR120 "SENTINEL"		Sheet		NTS		Scale		11 OF 14	
DWG No.		11 OF 14		11 OF 14		11 OF 14		11 OF 14		11 OF 14		11 OF 14		11 OF 14		11 OF 14	
Series		Desc.		Title		Title		Title		Title		Title		Title		Title	



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
E5	CGI-104	-	LOCK 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
E16	CGI-141	-	2.5" MULLION	6063-T6	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	-	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
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	-	-

MATERIAL PROPERTIES:

Material	Min. F <sub>y</sub>	Min. F <sub>u</sub>
#14 Steel Screw	92 ksi	120 ksi
1/4" Elco UltraCon	155 ksi	177 ksi
1/4" DeWalt UltraCon+	148 ksi	164 ksi
6063-T5 Aluminum	16 ksi	22 ksi
A36 Steel	36 ksi	58 ksi

**PRODUCT REVISED**  
as complying with the Florida  
Building Code


**NOA-No. 20-0610.03**

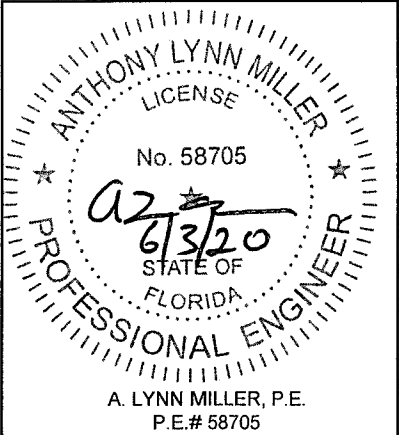
**Expiration Date: 09/22/2025**

**By:** Isaac L. Chan  
**Miami-Dade Product Control**

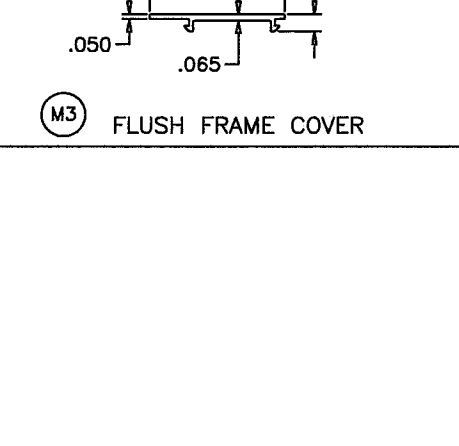
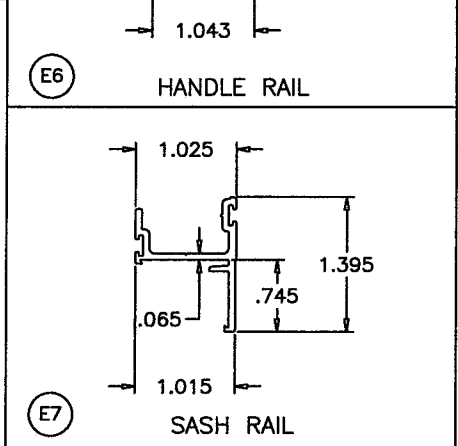
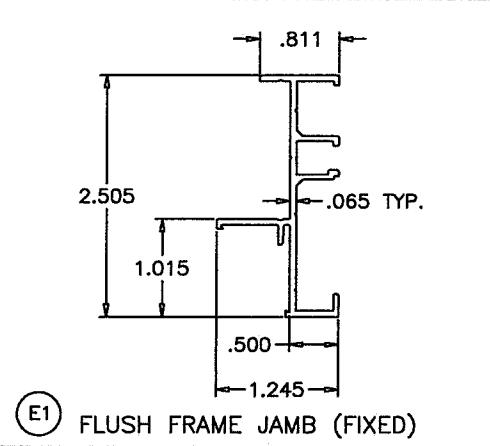
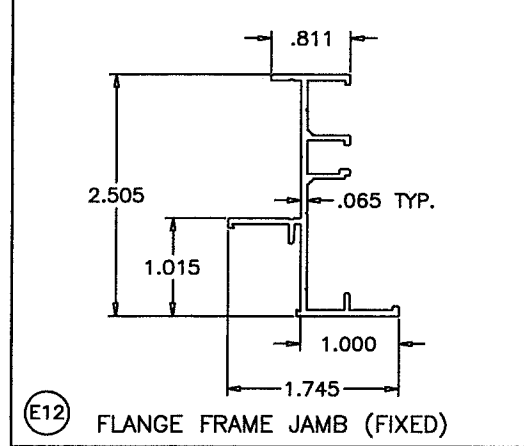
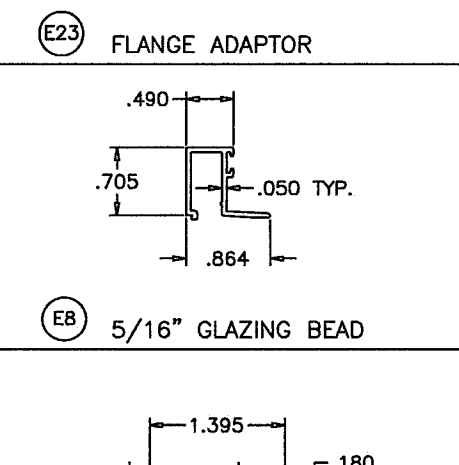
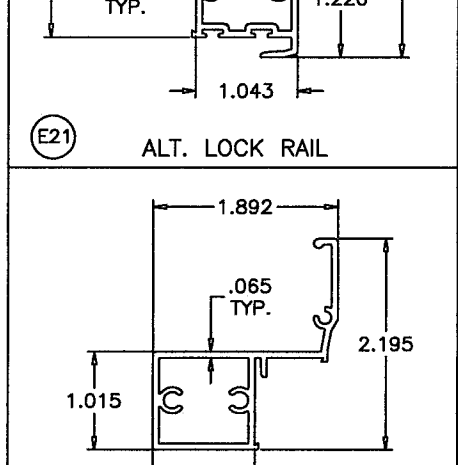
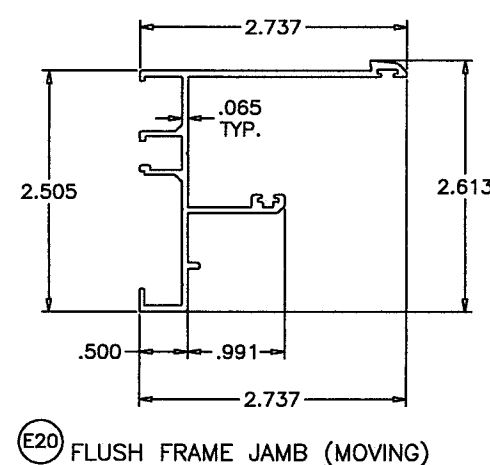
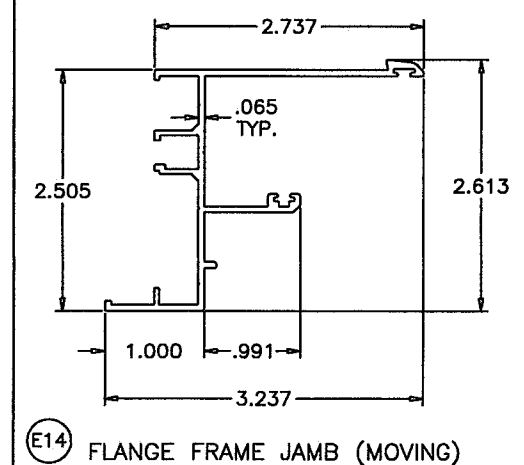
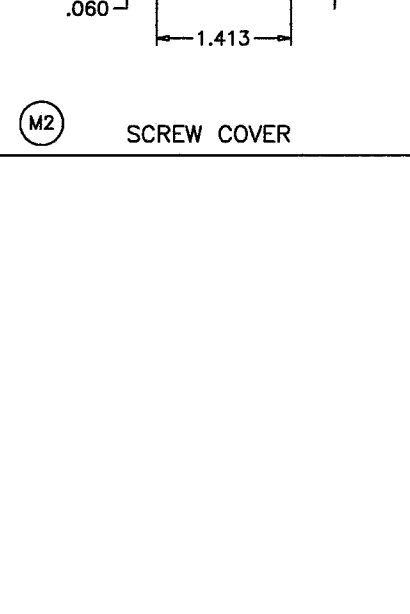
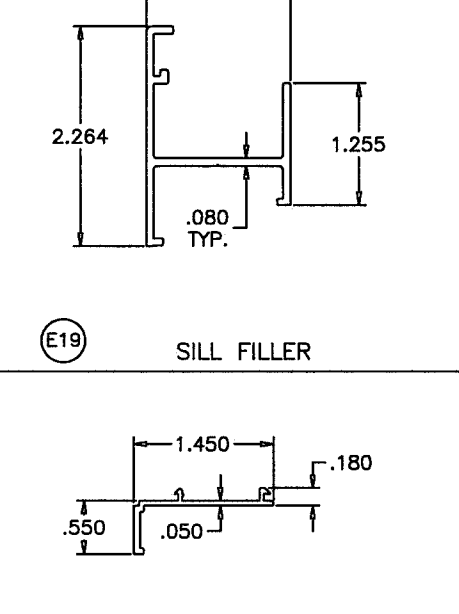
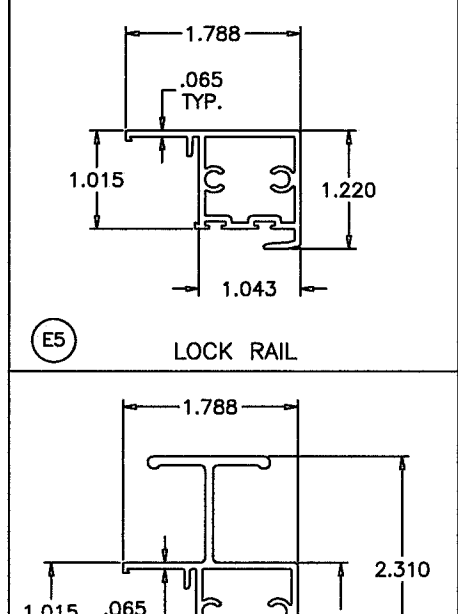
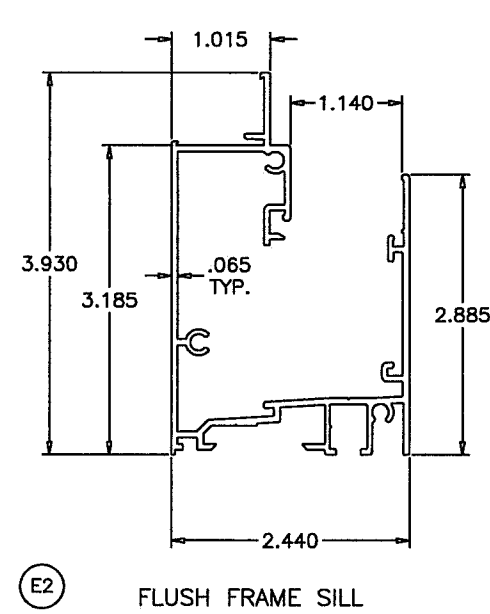
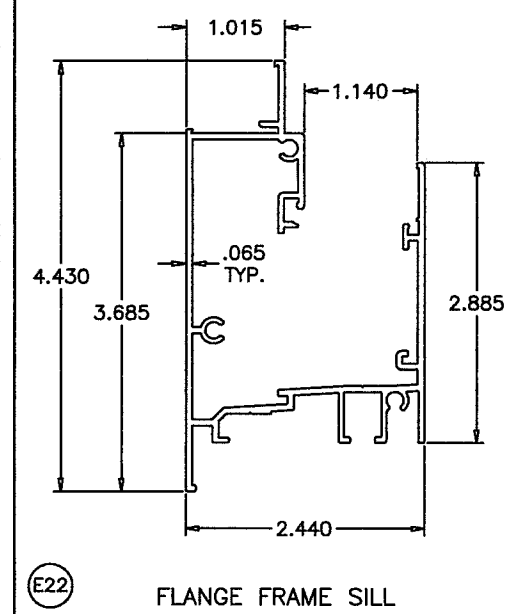
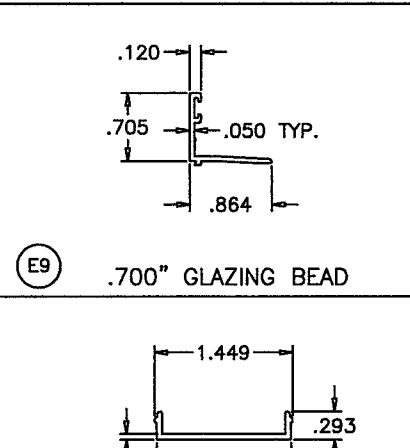
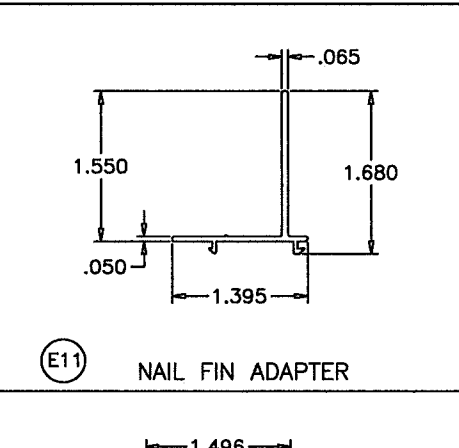
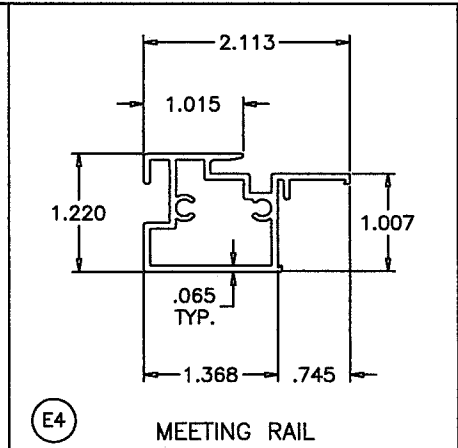
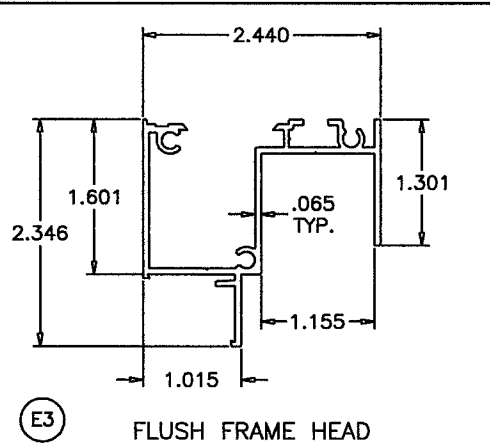
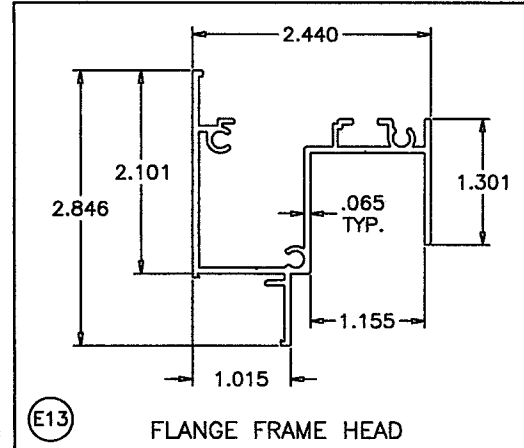
**ADDED BACKBEDDING**  
TYPES - JR - 5/29/20

Revision:

 <b>Impact Resistant Windows &amp; Doors</b> <b>WERE STRONGER™</b>  CGI WINDOWS & DOORS, INC. 3780 W 104TH STREET HIALEAH, FL 33018 (305) 593-6590	PREPARED BY A. LYNN MILLER 1070 TECHNOLOGY DRIVE N. VENICE, FL 34275 (941) 480-1600		REGISTRATION #29296		05/29/2020	
	120 ALUM. HORIZONTAL SLIDING WINDOW (LM)		Date			
	BILL OF MATERIALS		By	J ROSOWSKI		
	HR120 "SENTINEL"		Scale	NTS		Sheet
Series Desc.	Title		DWG	No.	HR120LM-NOA	
			Rev.		A	





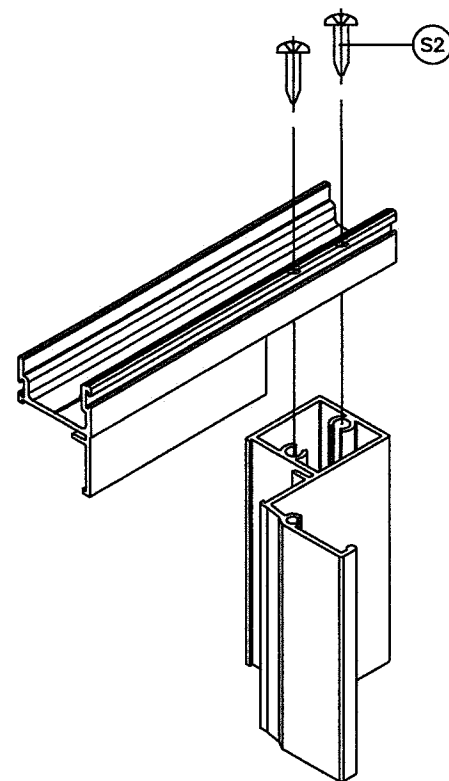


**PRODUCT REVISED**  
as complying with the Florida Building Code  
**NOA-No. 20-0610.03**  
**Expiration Date: 09/22/2025**  
**By: Ishay I. Chandra**  
**Miami-Dade Product Control**

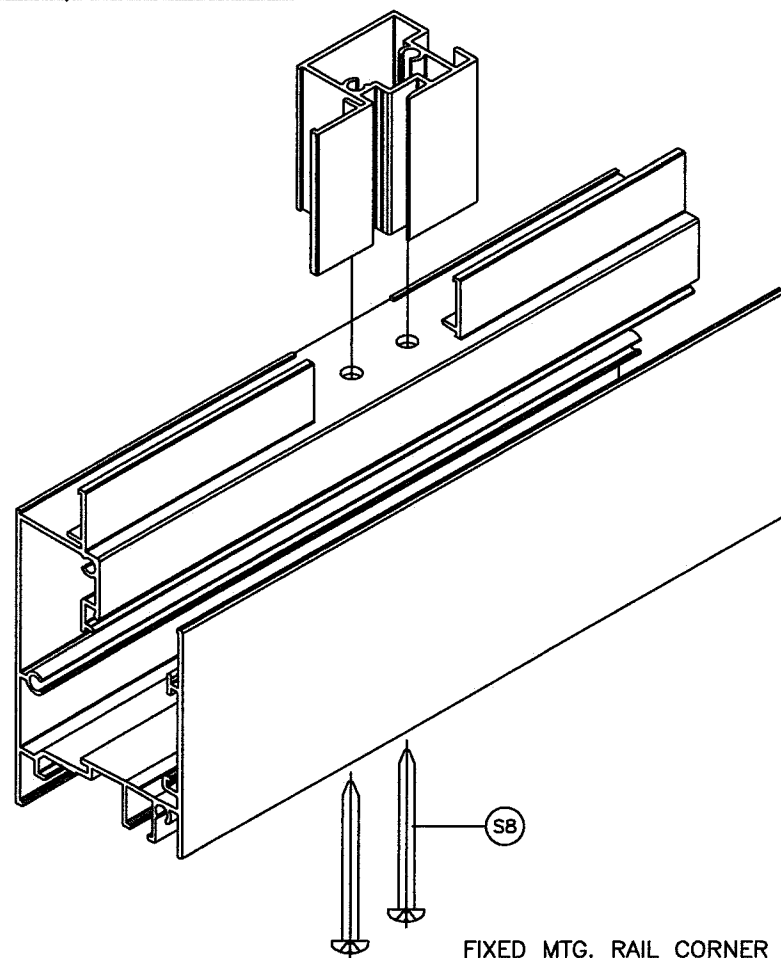
Revision:

PREPARED BY A. LYNN MILLER 1070 TECHNOLOGY DRIVE N. VENICE, FL 34275 (941) 480-1600	REGISTRATION #29296	Date	05/29/2020	Drawn By	J ROSOWSKI	No.	HR120LM-NOA	Rev.	A
Impact Resistant Windows & Doors WE'RE STRONGER™ CGI WINDOWS & DOORS, INC. 3780 W 104TH STREET HIALEAH, FL 33018 (305) 593-6590	120 ALUM. HORIZONTAL SLIDING WINDOW (LM)	Sheet	13 OF 14	Scale	NTS	Title	EXTRUSIONS	Series	HR120 "SENTINEL"

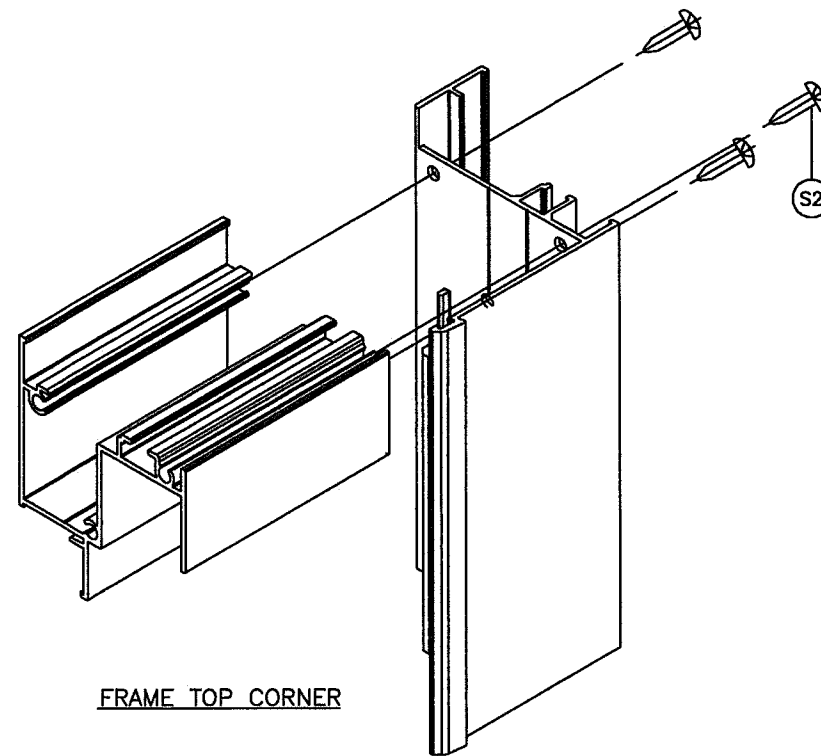
ANTHONY LYNN MILLER  
LICENSE  
No. 58705  
6/3/20  
STATE OF FLORIDA  
PROFESSIONAL ENGINEER  
A. LYNN MILLER, P.E.  
P.E.# 58705



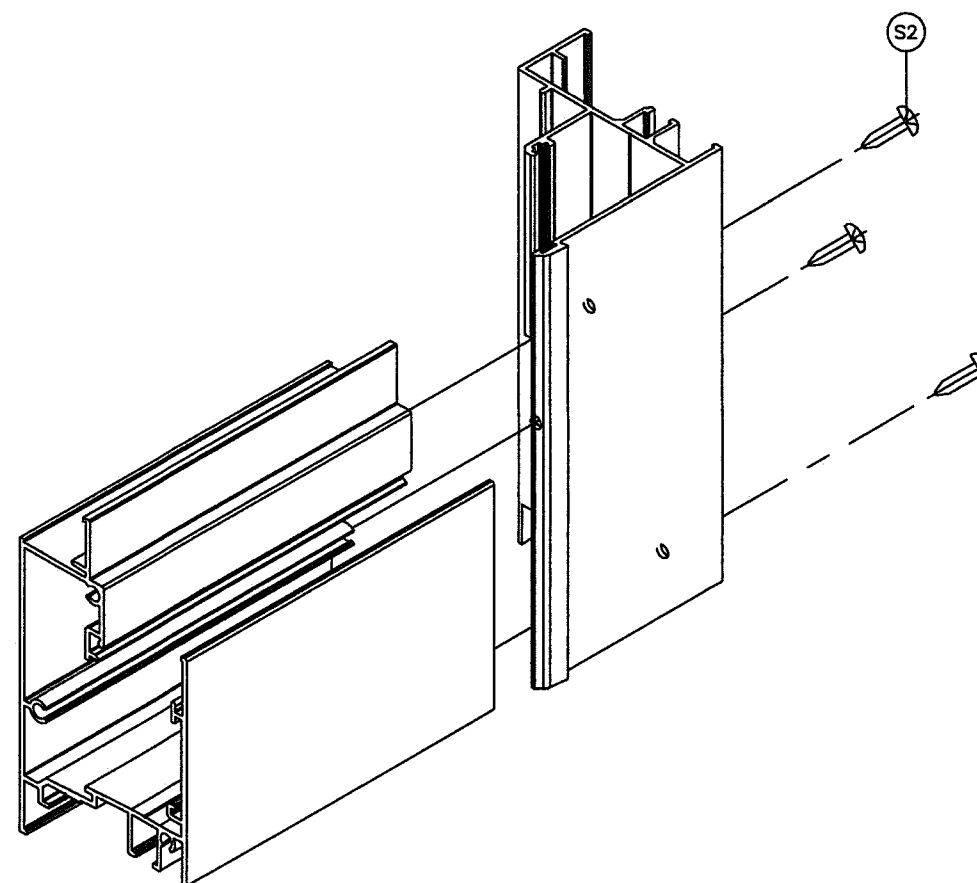
VENT TOP/BOTTOM CORNERS



FIXED MTG. RAIL CORNER



FRAME TOP CORNER



FRAME BOTTOM CORNER

**PRODUCT REVISED**  
as complying with the Florida  
Building Code  
NOA-No. **20-0610.03**  
Expiration Date: **09/22/2025**  
By: Ismael L. Chanda  
Miami-Dade Product Control

Revision:

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

REGISTRATION #29296

05/29/2020

Date

J ROSOWSKI

By

HR120LM-NOA

Rev.

A

**Impact Resistant  
Windows & Doors**  
**WE'RE STRONGER™**

CGI WINDOWS & DOORS, INC.  
3780 W 104TH STREET  
HIALEAH, FL 33018  
(305) 593-6590



120 ALUM. HORIZONTAL SLIDING WINDOW (LM)

No.

14 OF 14

Sheet

NTS

Scale

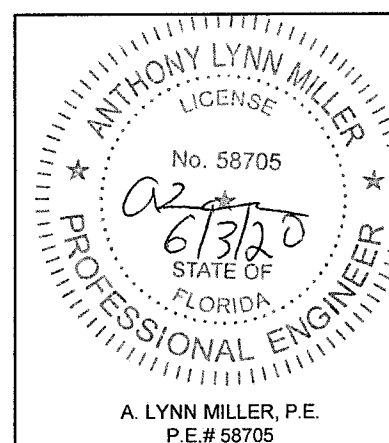
CORNER DETAILS

HR120 "SENTINEL"

Title

Series Desc.

Series



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