



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

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

**NOTICE OF ACCEPTANCE (NOA)**

**Trulite Glass & Aluminum Solutions, LLC**  
**403 West Park Ct, #201**  
**Peachtree City, GA 30269**

**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 “3100-Resistor” Aluminum Storefront/Window Wall System – L.M.I.**

**APPROVAL DOCUMENT:** Drawing No. **AD11-21**, titled “Resistor 3100 Aluminum Storefront Wall - LMI”, sheets 1 through 13 of 13, dated 09/16/21, with revision **5** dated 12/20/23, prepared by MCY Engineering, Inc., signed and sealed by Yiping Wang, P.E., bearing the Miami-Dade County Product Control Renewal 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.

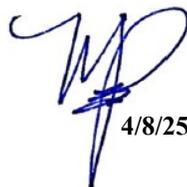
**ADVERTISEMENT:** The NOA number preceded by the words Miami-Dade County, Florida, and followed by the expiration date may be displayed in advertising literature. If any portion of the NOA is displayed, then it shall be done in its entirety.

**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 **renews NOA No. 23-1222.10** and consists of this page 1 and evidence pages E-1, E-2, E-3 and E-4, as well as approval document mentioned above.

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



  
 4/8/25

NOA No. 25-0401.01  
 Expiration Date: March 31, 2030  
 Approval Date: April 17, 2025  
 Page 1

**Trulite Glass & Aluminum Solutions, 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. 04-1213.01)*
2. Drawing No. **AD11-21**, titled "Resistor 3100 Aluminum Storefront Wall - LMI", sheets 1 through 13 of 13, dated 09/16/21, with revision **5** dated 12/20/23, prepared by MCY Engineering, Inc., signed and sealed by Yiping Wang, P.E.  
*(Submitted under NOA No. 23-1222.10)*

**B. TESTS**

1. 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 3100 aluminum storefront system, prepared by Intertek, Inc., Test Report No. **M3224.01-450-18 R0**, dated 12/13/21, signed and sealed by Vinu J. Abraham, P.E.  
*(Submitted under NOA No. 21-1216.10)*
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 3100 aluminum storefront system, prepared by Intertek, Inc., Test Report No. **M7456.01-450-18R0**, dated 09/22/21, signed and sealed by Vinu J. Abraham, P.E.  
*(Submitted under NOA No. 21-0930.10)*
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 an aluminum window wall system, prepared by Fenestration Testing Laboratory, Inc., Test Reports No.:
  - **FTL-5884**, dated 05/28/09, signed and sealed by Michael R. Wenzel, P.E.  
*(Submitted under NOA No. 09-1022.01)*
  - **FTL-5140**, dated 01/20/07, signed and sealed by Michael R. Wenzel, P.E.  
*(Submitted under NOA No. 08-1024.04)*
  - **FTL-3634**, dated 04/24/03, signed and sealed by Joseph Chan, P.E.  
*(Submitted under NOA No. 04-1213.01)*

  
Manuel Perez, P.E.  
Product Control Examiner  
NOA No. 25-0401.01  
Expiration Date: March 31, 2030  
Approval Date: April 17, 2025

**Trulite Glass & Aluminum Solutions, LLC**

**NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED**

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

**B. TESTS (CONTINUED)**

4. 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

along with marked-up drawings and installation diagram of an aluminum window wall system, prepared by Fenestration Testing Laboratory, Inc., Test Report No. **FTL-3942**, dated 02/03/04, signed and sealed by Edmundo Largaespada, P.E. **(Submitted under NOA No. 05-0906.04)**

**C. CALCULATIONS**

1. Anchor verification calculations and structural analysis, complying with FBC 7<sup>th</sup> Edition (2020), dated 09/28/21, prepared by MCY Engineering, Inc., signed and sealed by Yiping Wang, P.E. **(Submitted under NOA No. 21-0930.10)**
2. Glazing complies with **ASTM E1300-04**

**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. **23-0713.20** issued to **Eastman Chemical Company (MA)** for their "**Saflex HP Clear or Color Glass Interlayers**" dated 08/17/23, expiring on 04/14/28.
3. Notice of Acceptance No. **23-0713.18** issued to **Eastman Chemical Company (MA)** for their "**Saflex PVB Interlayers - Clear and Colored for Glass**" dated 08/17/23, expiring on 05/21/26.
4. Notice of Acceptance No. **23-1017.23** issued to **Everlam N.V.** for their "**Everlam Super Tough PVB Glass Interlayer**", dated 11/30/23, expiring on 04/29/26.
5. Notice of Acceptance No. **23-1017.24** issued to **Everlam N.V.** for their "**Everlam™ LAM50 PVB Glass Interlayer**", dated 11/30/23, expiring on 10/07/26.

  
Manuel Perez, P.E.  
Product Control Examiner  
NOA No. 25-0401.01  
Expiration Date: March 31, 2030  
Approval Date: April 17, 2025

**Trulite Glass & Aluminum Solutions, LLC**

**NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED**

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

**F. STATEMENTS**

1. Statement letter of conformance, complying with **FBC 8<sup>th</sup> Edition (2023)**, and of no financial interest, dated December 20, 2023, issued by MCY Engineering, Inc., signed and sealed by Yiping Wang, P.E.  
*(Submitted under NOA No. 23-1222.10)*
2. Test Proposal No. **21-0643R** issued by the Product Control Section, dated May 20, 2021, and revised on August 27, 2021, signed by Manuel Perez, P.E.  
*(Submitted under NOA No. 21-0930.10)*

**G. OTHERS**

1. Notice of Acceptance No. **21-1216.10** issued to Trulite Glass & Aluminum Solutions, LLC for their Series "3100-Resistor" Aluminum Storefront/Window Wall System – L.M.I.", approved on 03/31/22 and expiring on 03/31/25.

  
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Manuel Pérez, P.E.  
Product Control Examiner  
NOA No. 25-0401.01  
Expiration Date: March 31, 2030  
Approval Date: April 17, 2025

**Trulite Glass & Aluminum Solutions, LLC**

**NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED**

**2. NEW EVIDENCE SUBMITTED**

**A. DRAWINGS**

1. None.

**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. **23-0713.20** issued to **Eastman Chemical Company (MA)** for their “**Saflex HP Clear or Color Glass Interlayers**” dated 08/17/23, expiring on 04/14/28.
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5. Notice of Acceptance No. **23-1017.24** issued to **Everlam N.V.** for their “**Everlam™ LAM50 PVB Glass Interlayer**”, dated 11/30/23, expiring on 10/07/26.

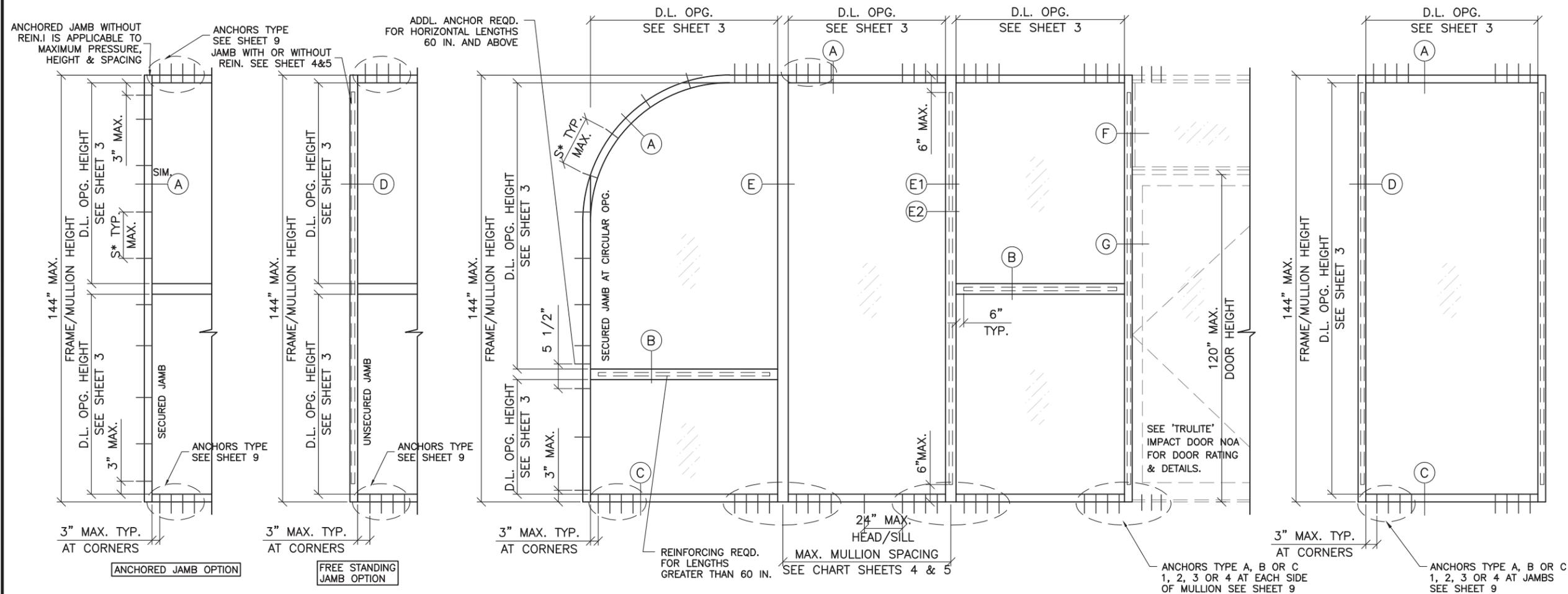
**F. STATEMENTS**

1. Statement letter of conformance, complying with **FBC 8<sup>th</sup> Edition (2023)**, and of no financial interest, dated April 7, 2025, issued by MCY Engineering, Inc., signed and sealed by Yiping Wang, P.E.

**G. OTHERS**

1. Notice of Acceptance No. **23-1222.10** issued to Trulite Glass & Aluminum Solutions, LLC for their Series “3100-Resistor” Aluminum Storefront/Window Wall System – L.M.I.”, approved on 02/08/24 and expiring on 03/31/25.

  
Manuel Pérez, P.E.  
Product Control Examiner  
NOA No. 25-0401.01  
Expiration Date: March 31, 2030  
Approval Date: April 17, 2025



TYPICAL ELEVATIONS

**SERIES 3100/L-3100 ALUMINUM WINDOW WALL SYSTEM**

- WINDOW WALL SYSTEM IS RATED FOR LARGE & SMALL MISSILE IMPACT. SHUTTERS ARE NOT REQUIRED.
- THIS SYSTEM MAY BE USED IN CONJUNCTION WITH MIAMI DADE COUNTY APPROVED ENTRANCE DOORS.
- CODE REQUIREMENTS FOR SAFEGUARDS MUST BE OBSERVED.
- THIS PRODUCT HAS BEEN DESIGNED AND TESTED TO COMPLY WITH THE REQUIREMENTS OF THE 8TH EDITION (2023) FLORIDA BUILDING CODE INCLUDING HIGH VELOCITY HURRICANE ZONE (HVHZ).
- WOOD BUCKS BY OTHERS, MUST BE ANCHORED PROPERLY TO TRANSFER LOADS TO THE STRUCTURE.
- ANCHORS SHALL BE AS LISTED, SPACED AS SHOWN ON DETAILS, ANCHORS EMBEDMENT TO BASE MATERIAL SHALL BE BEYOND WALL DRESSING OR STUCCO.
- ANCHORING OR LOADING CONDITIONS NOT SHOWN IN THESE DETAILS ARE NOT PART OF THIS APPROVAL.
- A LOAD DURATION INCREASE IS USED IN DESIGN OF ANCHORS INTO WOOD ONLY.
- MATERIALS INCLUDING BUT NOT LIMITED TO STEEL / METAL SCREWS THAT COME INTO CONTACT WITH OTHER DISSIMILAR MATERIALS SHALL MEET THE REQUIREMENTS OF 2023 FLORIDA BLDG. CODE SECTION AS APPLICABLE.
- ULTIMATE DESIGN LOAD OBTAINED FROM ASCE7-22, MULTIPLY BY 0.6 SHALL BE LESS THAN OR EQUAL TO MAX. DESIGN LOAD IN THIS DOCUMENT.
- MANUFACTURER'S LABEL SHALL BE LOCATED ON A READILY VISIBLE LOCATION IN ACCORDANCE WITH SECTION 1709.9.3 OF FLORIDA BUILDING CODE LABELING TO COMPLY WITH SECTION 1709.9.2.

**INSTRUCTIONS:**  
USE CHARTS AS FOLLOWS.

- STEP 1:** DETERMINE DESIGN WIND LOAD REQUIREMENTS BASED ON WIND VELOCITY, BLDG. HEIGHT, WIND ZONE USING APPLICABLE ASCE 7-22 STANDARD.
- STEP 2:** SEE CHARTS ON SHEET 2 FOR DESIGN LOAD CAPACITY OF DESIRED GLASS SIZE BASED ON APPLICABLE WIND DURATION.
- STEP 3:** CHECK MULLION AND JAMB CAPACITY FOR A GIVEN SPACING AND HEIGHT USING CHARTS ON SHEET 3 & 4. THE CAPACITY SHOULD EXCEED THE DESIGN LOAD.
- STEP 4:** USING CHART ON SHEETS 5 SELECT ANCHOR OPTION WITH DESIGN RATING MORE THAN DESIGN LOAD SPECIFIED IN STEP 1 ABOVE.
- STEP 5:** THE LOWEST VALUE RESULTING FROM STEPS 2, 3 AND 4 SHALL APPLY TO ENTIRE SYSTEM.

S\* = 11" O.C. FOR ALL TYPICAL ANCHORS EXCEPT 10" O.C. FOR 1/4" ULTRACON INTO GROUT FILLED BLOCK & MULLION SPACE ≥ 64"

THIS PRODUCT HAS BEEN TESTED FOR WATER RESISTANCE INFILTRATION UP TO 50 PSF.

**PRODUCT RENEWED**  
as complying with the Florida Building Code  
NOA-No. **25-0401.01**  
Expiration Date: **03/31/2030**  
By: *Manuel Perez*  
Miami-Dade Product Control

**Trulite**  
GLASS & ALUMINUM SOLUTIONS™  
http://www.trulite.com  
403 WESTPARK COURT, Suite 201  
PEACHTREE CITY, GA 30269  
p. 800-432-8132

PRODUCT:  
**Resistor**  
**3100 ALUMINUM**  
STOREFRONT WALL-LMI  
**Resistor**  
PRODUCT SERIES

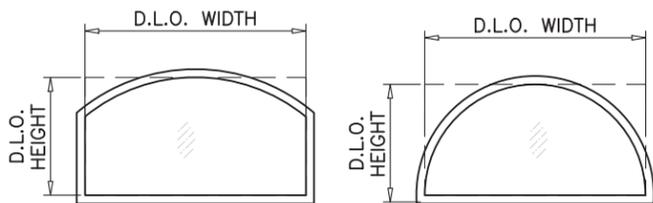
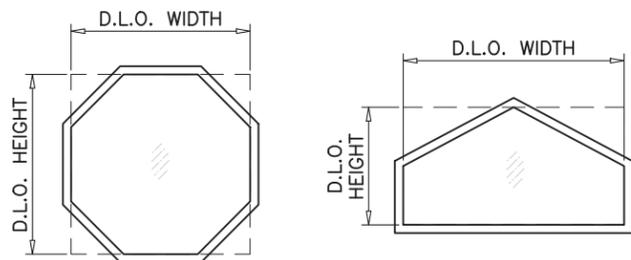
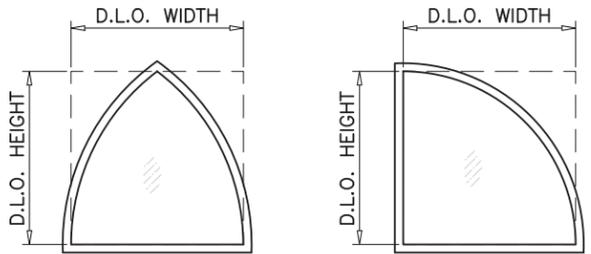
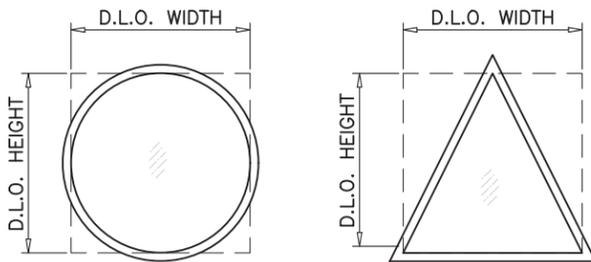
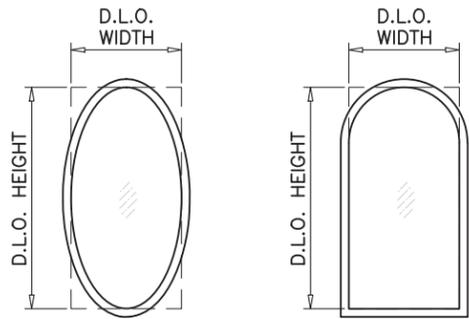
REV#	DATE/REMARKS
REV5	12.20.2023 UPDATE INTERLAYER

ENGINEER:  
**MCY ENGINEERING, INC.**  
GLAZING CONSULTANT  
12781 Miramar Parkway #301  
Miramar, FL 33027  
P: 305-271-0117  
Email: mcy@mcyengineering.com  
www.MCYEngineering.com

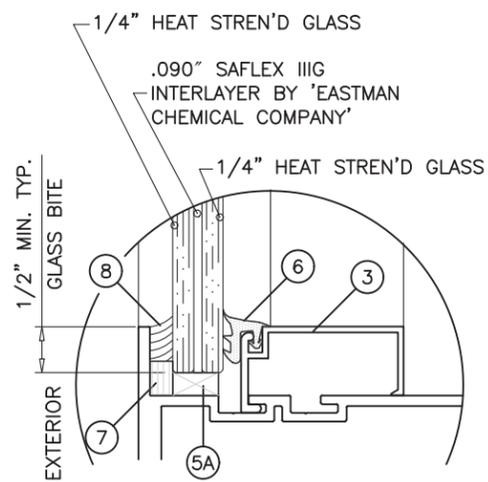
STAMP:  
  
December 20th, 2023

PRODUCT CONTROL APPROVAL:  
**PRODUCT REVISED**  
As complying with the Florida Building Code  
NOA-No. **23-1222.10**  
Expiration Date: **03/31/2025**  
By: *Manuel Perez*  
Miami-Dade Product Control

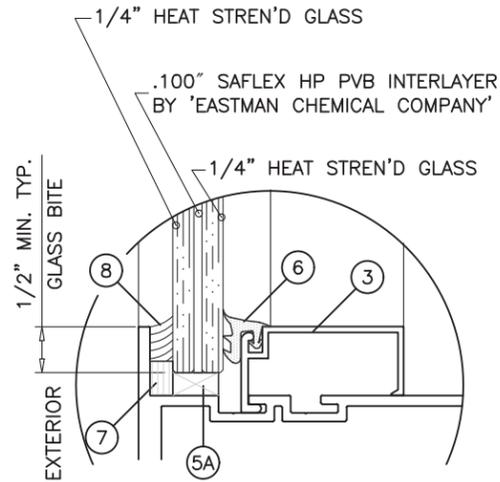
DRAWN: James	DRAWING No:
DATE: 12.20.2023	<b>1 OF 13</b>
DWG: AD11-21	



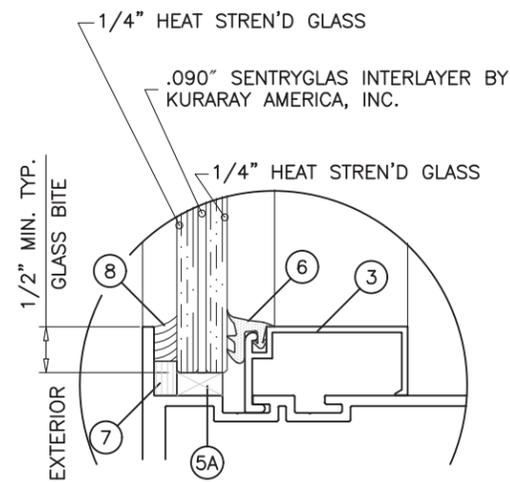
**PRODUCT RENEWED**  
 as complying with the Florida  
 Building Code  
 NOA-No. **25-0401.01**  
 Expiration Date: **03/31/2030**  
 By: *Manuel Perez*  
 Miami-Dade Product Control



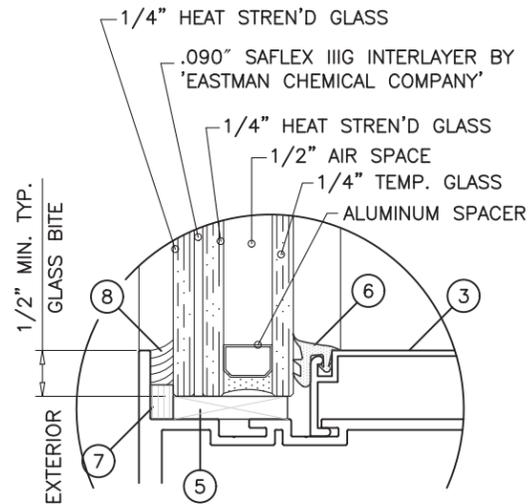
**GLASS TYPE 'A'**  
 9/16" NOMINAL OVERALL



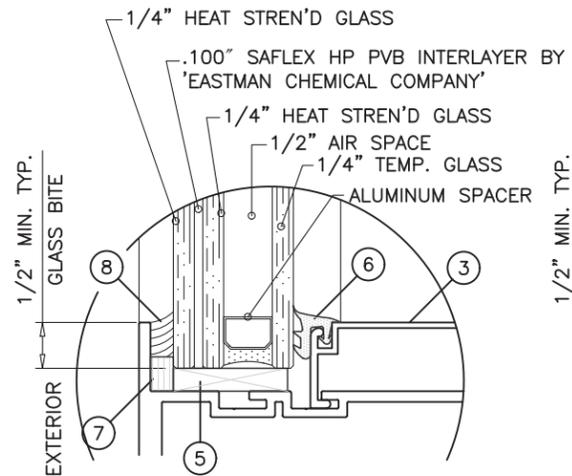
**GLASS TYPE 'B'**  
 9/16" NOMINAL OVERALL



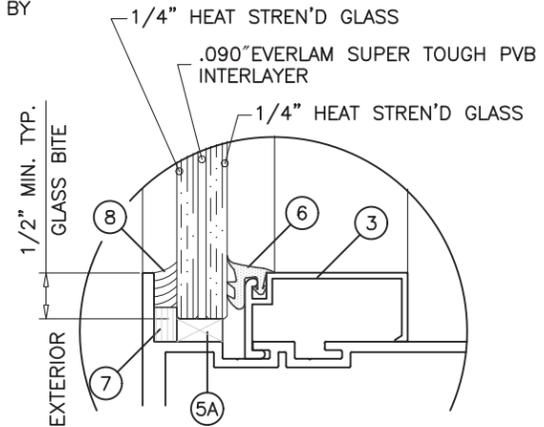
**GLASS TYPE 'C'**  
 9/16" NOMINAL OVERALL



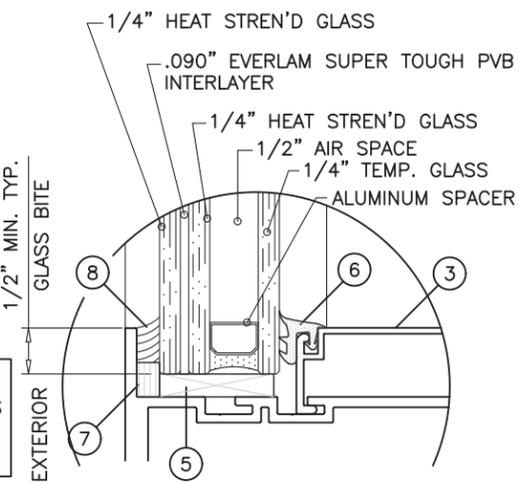
**GLASS TYPE 'A1'**  
 1-5/16" NOMINAL OVERALL



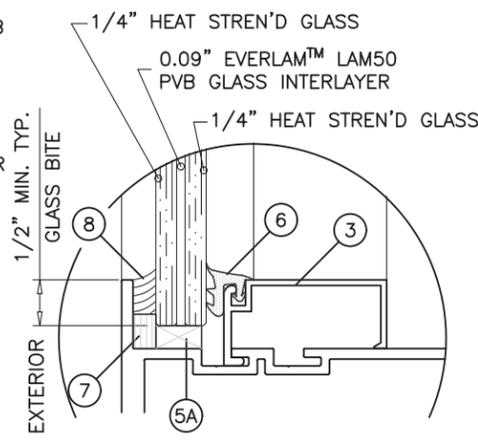
**GLASS TYPE 'B1'**  
 1-5/16" NOMINAL OVERALL



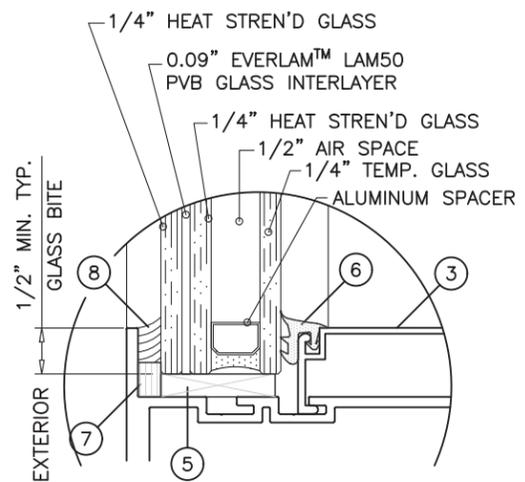
**GLASS TYPE 'D'**  
 9/16" NOMINAL OVERALL



**GLASS TYPE 'E'**  
 1-5/16" NOMINAL OVERALL



**GLASS TYPE 'F'**  
 9/16" NOMINAL OVERALL



**GLASS TYPE 'G'**  
 1-5/16" NOMINAL OVERALL

ALLOWABLE LOADS FOR ALTERNATE SHAPES AS SHOWN ABOVE OR SIMILAR CAN BE VERIFIED BY INSCRIBING PICTURE WINDOW SHAPE WITHIN SQUARE OR RECTANGLE AS SHOWN IN DOTTED LINES AND OBTAINING ALLOWABLE LOADS FROM THOSE SHAPES. SINGLE LITES MAY BE INSTALLED VERTICALLY AS SHOWN ABOVE OR HORIZONTALLY.

FOR ALTERNATE SHAPES LIMIT MAX. LOADS TO ±90.0 PSF  
 SEE SHEET 3 FOR D.L.O. WIDTHS AND HEIGHTS.  
 USE ANCHOR TYPE 'D' AT 3" FROM FRAME ENDS AND 12" O.C. MAX. SPACING.

PRODUCT:

**Resistor**  
**3100 ALUMINUM**  
 STOREFRONT WALL-LMI

**Resistor**  
 PRODUCT SERIES

REV#	DATE/REMARKS
REV5	12.20.2023 UPDATE INTERLAYER

ENGINEER:

**MCY ENGINEERING, INC.**  
 GLAZING CONSULTANT

12781 Miramar Parkway #301  
 Miramar, FL 33027  
 P: 305-271-0117  
 Email: [mcy@mcycengineering.com](mailto:mcy@mcycengineering.com)  
[www.MCYEngineering.com](http://www.MCYEngineering.com)

STAMP:



December 20th, 2023

PRODUCT CONTROL APPROVAL:

**PRODUCT REVISED**  
 As complying with the Florida  
 Building Code  
 NOA-No. **23-1222.10**  
 Expiration Date: **03/31/2025**  
 By: *Manuel Perez*  
 Miami-Dade Product Control

DRAWN: James  
 DATE: 12.20.2023  
 DWG: AD11-21

DRAWING No:  
**2 OF 13**

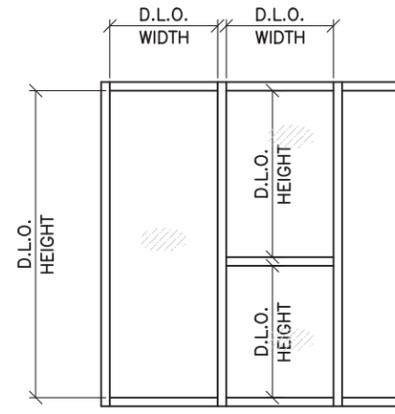
GLAZING OPTION

GLASS LOAD CAPACITY - PSF								
NOMINAL DIMS.		GLASS 'A'	GLASS 'A1'	GLASS 'B'	GLASS 'B1'	GLASS 'C'	GLASS 'D&E'	GLASS 'F&G'
D.L.O. WIDTH	D.L.O. HEIGHT	EXT. (+) INT. (-)						
20"	68"	70.0	80.0	100.0	100.0	100.0	+70/-85	+65/-75
26"		70.0	80.0	100.0	100.0	100.0	+70/-85	+65/-75
32"		70.0	80.0	100.0	100.0	100.0	+70/-85	+65/-75
38"		70.0	80.0	100.0	100.0	100.0	+70/-85	+65/-75
44"		70.0	80.0	100.0	100.0	100.0	+70/-85	+65/-75
53"		70.0	80.0	100.0	100.0	100.0	+70/-85	+65/-75
56"		70.0	80.0	100.0	100.0	100.0	+70/-85	-
62"		70.0	80.0	100.0	100.0	100.0	-	-
68"		70.0	-	100.0	100.0	100.0	-	-
72"		70.0	-	100.0	100.0	100.0	-	-
20"	74"	70.0	80.0	100.0	100.0	100.0	+70/-85	+65/-75
26"		70.0	80.0	100.0	100.0	100.0	+70/-85	+65/-75
32"		70.0	80.0	100.0	100.0	100.0	+70/-85	+65/-75
38"		70.0	80.0	100.0	100.0	100.0	+70/-85	+65/-75
44"		70.0	80.0	100.0	100.0	100.0	+70/-85	+65/-75
48"		70.0	80.0	100.0	100.0	100.0	+70/-85	+65/-75
56"		70.0	80.0	100.0	100.0	100.0	+70/-85	-
62"		70.0	-	100.0	100.0	100.0	-	-
68"		-	-	100.0	100.0	100.0	-	-
72"		-	-	100.0	100.0	100.0	-	-
20"	80"	70.0	80.0	100.0	100.0	100.0	+70/-85	+65/-75
26"		70.0	80.0	100.0	100.0	100.0	+70/-85	+65/-75
32"		70.0	80.0	100.0	100.0	100.0	+70/-85	+65/-75
38"		70.0	80.0	100.0	100.0	100.0	+70/-85	+65/-75
45"		70.0	80.0	100.0	100.0	100.0	+70/-85	+65/-75
50"		70.0	80.0	100.0	100.0	100.0	+70/-85	-
56"		70.0	-	100.0	100.0	100.0	-	-
62"		-	-	100.0	100.0	100.0	-	-
68"		-	-	100.0	100.0	100.0	-	-
72"		-	-	100.0	100.0	100.0	-	-
20"	86"	70.0	80.0	100.0	100.0	100.0	+70/-85	+65/-75
26"		70.0	80.0	100.0	100.0	100.0	+70/-85	+65/-75
32"		70.0	80.0	100.0	100.0	100.0	+70/-85	+65/-75
42"		70.0	80.0	100.0	100.0	100.0	+70/-85	+65/-75
44"		70.0	80.0	100.0	100.0	100.0	+70/-85	-
50"		70.0	-	100.0	100.0	100.0	-	-
56"		70.0	-	100.0	100.0	100.0	-	-
62"		-	-	100.0	100.0	100.0	-	-
68"		-	-	100.0	100.0	100.0	-	-
72"		-	-	100.0	100.0	100.0	-	-
20"	92"	70.0	80.0	100.0	100.0	100.0	+70/-85	+65/-75
26"		70.0	80.0	100.0	100.0	100.0	+70/-85	+65/-75
32"		70.0	80.0	100.0	100.0	100.0	+70/-85	+65/-75
39.25"		70.0	80.0	100.0	100.0	100.0	+70/-85	+65/-75
45.25"		70.0	80.0	100.0	100.0	100.0	+70/-85	-
50"		70.0	-	100.0	100.0	100.0	-	-
56"		-	-	100.0	100.0	100.0	-	-
62"		-	-	100.0	100.0	100.0	-	-
68"		-	-	100.0	100.0	100.0	-	-
72"		-	-	100.0	100.0	100.0	-	-

GLASS LOAD CAPACITY - PSF									
NOMINAL DIMS.		GLASS 'A'	GLASS 'A1'	GLASS 'B'	GLASS 'B1'	GLASS 'C'	GLASS 'D&E'	GLASS 'F&G'	
D.L.O. WIDTH	D.L.O. HEIGHT	EXT. (+) INT. (-)							
20"	98"	70.0	80.0	100.0	100.0	100.0	+70/-85	+65/-75	
26"		70.0	80.0	100.0	100.0	100.0	+70/-85	+65/-75	
36"		70.0	80.0	100.0	100.0	100.0	+70/-85	+65/-75	
38"		70.0	80.0	100.0	100.0	100.0	+70/-85	-	
44"		70.0	-	100.0	100.0	100.0	-	-	
50"		-	-	100.0	100.0	100.0	-	-	
56"		-	-	100.0	100.0	100.0	-	-	
62"		-	-	100.0	100.0	100.0	-	-	
68"		-	-	100.0	100.0	100.0	-	-	
20"		104"	70.0	80.0	100.0	100.0	100.0	+70/-85	+65/-75
26"	70.0		80.0	100.0	100.0	100.0	+70/-85	+65/-75	
34"	70.0		80.0	100.0	100.0	100.0	+70/-85	+65/-75	
38"	70.0		80.0	100.0	100.0	100.0	+70/-85	-	
44"	70.0		-	100.0	100.0	100.0	-	-	
50"	-		-	100.0	100.0	100.0	-	-	
56"	-		-	100.0	100.0	100.0	-	-	
62"	-		-	100.0	100.0	100.0	-	-	
20"	110"		70.0	80.0	100.0	100.0	100.0	+70/-85	+65/-75
26"			70.0	80.0	100.0	100.0	100.0	+70/-85	+65/-75
32"		70.0	80.0	100.0	100.0	100.0	+70/-85	+65/-75	
38"		70.0	80.0	100.0	100.0	100.0	-	-	
44"		70.0	-	100.0	100.0	100.0	-	-	
50"		-	-	100.0	100.0	100.0	-	-	
56"		-	-	100.0	100.0	100.0	-	-	
62"		-	-	97.5	100.0	100.0	-	-	
20"		116"	70.0	80.0	100.0	100.0	100.0	+70/-85	+65/-75
31"			70.0	80.0	100.0	100.0	100.0	+70/-85	+65/-75
32"	70.0		80.0	100.0	100.0	100.0	+70/-85	-	
38"	70.0		-	100.0	100.0	100.0	-	-	
44"	-		-	100.0	100.0	100.0	-	-	
50"	-		-	100.0	100.0	100.0	-	-	
56"	-		-	97.9	100.0	97.9	-	-	
58-3/4"	-		-	94.6	100.0	-	-	-	
20"	122"		70.0	80.0	100.0	100.0	100.0	+70/-85	+65/-75
29"			70.0	80.0	100.0	100.0	100.0	+70/-85	+65/-75
32"		70.0	80.0	100.0	100.0	100.0	+70/-85	-	
38"		70.0	-	100.0	100.0	100.0	-	-	
44"		-	-	100.0	100.0	100.0	-	-	
50"		-	-	100.0	100.0	100.0	-	-	
20"		128"	70.0	80.0	100.0	100.0	100.0	+70/-85	+65/-75
28"			70.0	80.0	100.0	100.0	100.0	+70/-85	+65/-75
32"			70.0	80.0	100.0	100.0	100.0	+70/-85	-
38"			70.0	-	100.0	100.0	100.0	-	-
44"	-		-	100.0	100.0	100.0	-	-	
50"	-		-	100.0	100.0	100.0	-	-	

GLASS LOAD CAPACITY - PSF								
NOMINAL DIMS.		GLASS 'A'	GLASS 'A1'	GLASS 'B'	GLASS 'B1'	GLASS 'C'	GLASS 'D&E'	GLASS 'F&G'
D.L.O. WIDTH	D.L.O. HEIGHT	EXT. (+) INT. (-)						
20"	134"	70.0	80.0	100.0	100.0	100.0	+70/-85	+65/-75
26"		70.0	80.0	100.0	100.0	100.0	+70/-85	+65/-75
32"		70.0	-	100.0	100.0	100.0	-	-
38"		-	-	100.0	100.0	100.0	-	-
44"		-	-	100.0	100.0	100.0	-	-
50"		-	-	99.8	100.0	-	-	-
20"	140"	70.0	80.0	100.0	100.0	100.0	+70/-85	+65/-75
25"		70.0	80.0	100.0	100.0	100.0	+70/-85	+65/-75
32"		70.0	-	100.0	100.0	100.0	-	-
38"		-	-	100.0	100.0	100.0	-	-
44"	-	-	100.0	100.0	100.0	-	-	

NOTE:  
GLASS CAPACITIES ON THIS SHEET ARE  
BASED ON ASTM E1300-16 (3 SEC. GUSTS)



**PRODUCT RENEWED**  
as complying with the Florida  
Building Code  
NOA-No. **25-0401.01**  
Expiration Date: **03/31/2030**  
By: *Manuel Perez*  
Miami-Dade Product Control

GLASS & ALUMINUM SOLUTIONS™  
http://www.trulite.com  
403 WESTPARK COURT, Suite 201  
PEACHTREE CITY, GA 30269  
p. 800-432-8132

PRODUCT:  
**Resistor**  
**3100 ALUMINUM**  
STOREFRONT WALL-LMI  
**Resistor**  
PRODUCT SERIES

REV#	DATE/REMARKS
REV5	12.20.2023 UPDATE INTERLAYER

ENGINEER:  
**MCY ENGINEERING, INC.**  
GLAZING CONSULTANT  
12781 Miramar Parkway #301  
Miramar, FL 33027  
P: 305-271-0117  
Email: mcy@mcyengineering.com  
www.MCYEngineering.com

STAMP:  
 YIPING WANG, P.E.  
FLORIDA REGISTRATION  
No. 55983  
C.A.N. 28877  
December 20th, 2023

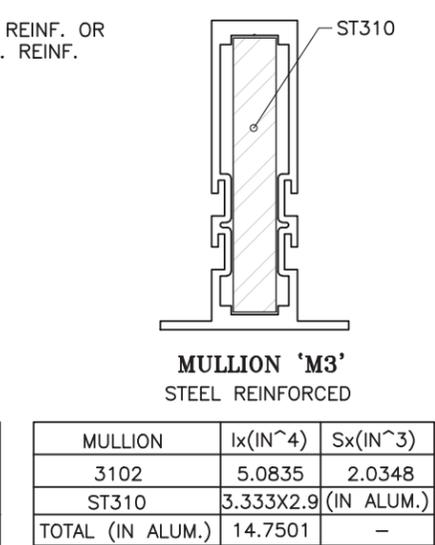
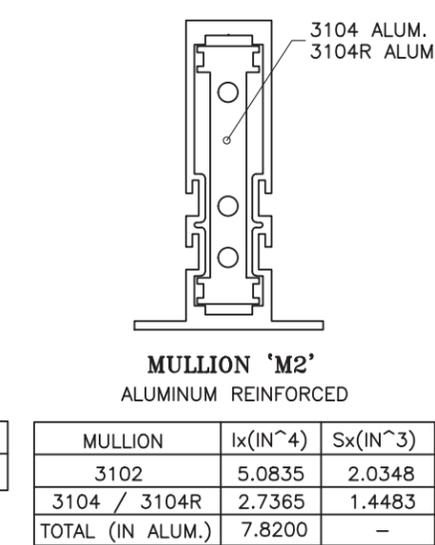
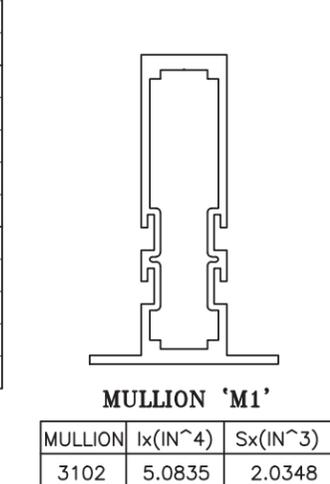
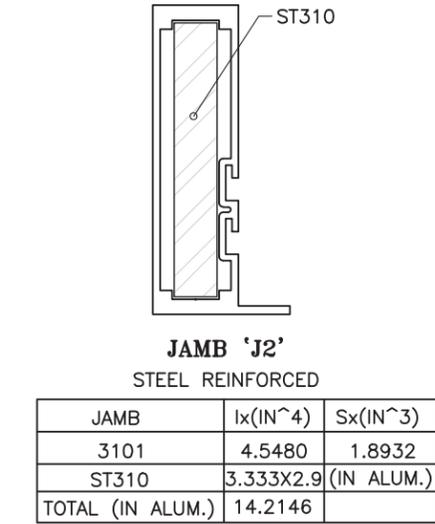
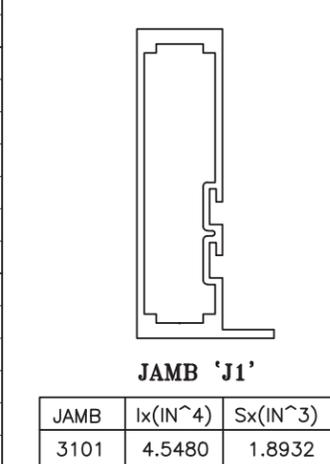
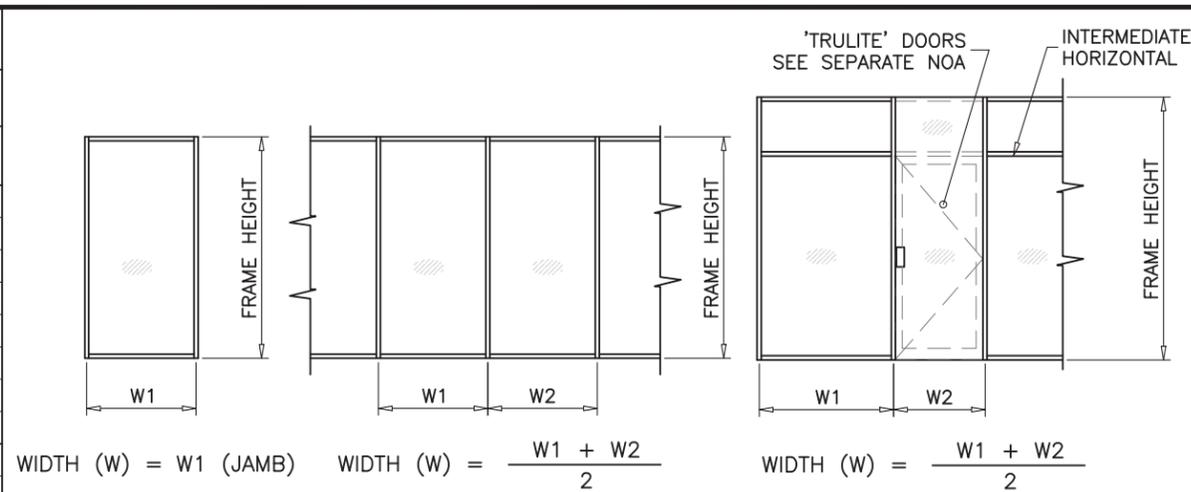
PRODUCT CONTROL APPROVAL:  
**PRODUCT REVISED**  
As complying with the Florida  
Building Code  
NOA-No. **23-1222.10**  
Expiration Date: **03/31/2025**  
By: *Manuel Perez*  
Miami-Dade Product Control

STEP 2: GLASS LOAD TABLES

DRAWN: James	DRAWING No:
DATE: 12.20.2023	<b>3 OF 13</b>
DWG: AD11-21	

JAMB/MULLION LOAD CAPACITY - PSF WITHOUT INTERMEDIATE HORIZONTALS				
NOMINAL DIMS.		MULL 'M1'	JAMB 'J1' MULL 'M2'	JAMB 'J2' MULL 'M3'
WIDTH (W)	FRAME HEIGHT	EXT. (+) INT. (-)	EXT. (+) INT. (-)	EXT. (+) INT. (-)
24"	78"	80.0	100.0	100.0
30"		80.0	100.0	100.0
36"		80.0	100.0	100.0
42"		80.0	100.0	100.0
48"		80.0	100.0	100.0
54"		80.0	100.0	100.0
60"		80.0	100.0	100.0
66"		-	100.0	100.0
72"		-	100.0	100.0
24"		84"	80.0	100.0
30"	80.0		100.0	100.0
36"	80.0		100.0	100.0
42"	80.0		100.0	100.0
48"	80.0		100.0	100.0
54"	80.0		100.0	100.0
60"	80.0		100.0	100.0
66"	-		100.0	100.0
72"	-		100.0	100.0
24"	90"		80.0	100.0
30"		80.0	100.0	100.0
36"		80.0	100.0	100.0
42"		80.0	100.0	100.0
48"		80.0	100.0	100.0
54"		77.4	100.0	100.0
60"		-	100.0	100.0
66"		-	100.0	100.0
72"		-	100.0	100.0
24"		96"	80.0	100.0
30"	80.0		100.0	100.0
36"	80.0		100.0	100.0
42"	80.0		100.0	100.0
48"	72.8		100.0	100.0
54"	66.3		100.0	100.0
60"	-		96.8	96.8
66"	-		90.9	90.9
72"	-		86.4	86.4
24"	102"		-	100.0
30"		-	100.0	100.0
36"		-	100.0	100.0
42"		-	100.0	100.0
48"		-	99.5	99.5
54"		-	90.4	90.4
60"		-	83.3	83.3
66"		-	77.9	77.9
72"		-	73.7	73.7

JAMB/MULLION LOAD CAPACITY - PSF WITHOUT INTERMEDIATE HORIZONTALS					
NOMINAL DIMS.		MULL 'M1'	JAMB 'J1' MULL 'M2'	JAMB 'J2' MULL 'M3'	
WIDTH (W)	FRAME HEIGHT	EXT. (+) INT. (-)	EXT. (+) INT. (-)	EXT. (+) INT. (-)	
24"	108"	-	100.0	100.0	
30"		-	100.0	100.0	
36"		-	100.0	100.0	
42"		-	98.0	98.0	
48"		-	87.1	87.1	
54"		-	78.9	78.9	
60"		-	72.5	72.5	
66"		-	67.6	67.6	
24"		114"	-	100.0	100.0
30"			-	100.0	100.0
36"	-		98.2	98.2	
42"	-		85.4	85.4	
48"	-		76.0	76.0	
54"	-		69.0	69.0	
60"	-		63.5	63.5	
24"	120"		-	100.0	100.0
30"			-	99.5	99.5
36"			-	83.8	83.8
42"		-	72.8	72.8	
48"		-	64.7	64.7	
54"		-	58.6	60.0	
60"		-	53.8	60.0	
24"		126"	-	-	60.0
30"			-	-	60.0
36"			-	-	60.0
42"	-		-	60.0	
48"	-		-	60.0	
54"	-		-	60.0	
24"	132"		-	-	60.0
30"			-	-	60.0
36"			-	-	60.0
42"			-	-	60.0
48"		-	-	60.0	
24"		138"	-	-	60.0
30"			-	-	60.0
36"			-	-	60.0
42"			-	-	60.0
48"			-	-	60.0
24"	144"		-	-	60.0
30"			-	-	60.0
36"			-	-	60.0
42"			-	-	60.0
48"			-	-	57.6



**PRODUCT RENEWED**  
as complying with the Florida  
Building Code  
NOA-No. **25-0401.01**  
Expiration Date: **03/31/2030**  
By: *Manuel Perez*  
Miami-Dade Product Control

STEP 3: MULLION LOAD CAPACITIES

GLASS & ALUMINUM SOLUTIONS™  
http://www.trulite.com  
403 WESTPARK COURT, Suite 201  
PEACHTREE CITY, GA 30269  
p. 800-432-8132

PRODUCT:  
**Resistor**  
**3100 ALUMINUM**  
STOREFRONT WALL-LMI  
**Resistor**  
PRODUCT SERIES

REV#	DATE/REMARKS
REV5	12.20.2023 UPDATE INTERLAYER

ENGINEER:  
**MCY ENGINEERING, INC.**  
GLAZING CONSULTANT  
12781 Miramar Parkway #301  
Miramar, FL 33027  
P: 305-271-0117  
Email: mcy@mcyengineering.com  
www.MCYEngineering.com

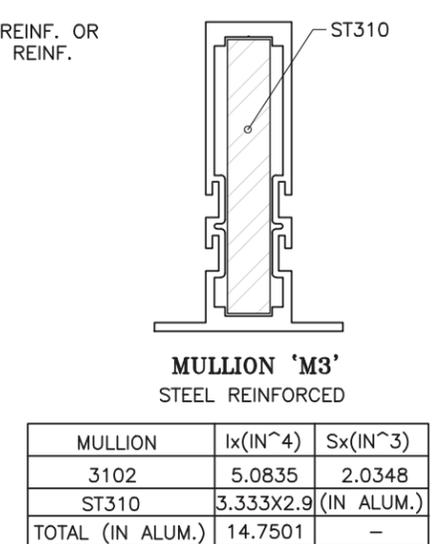
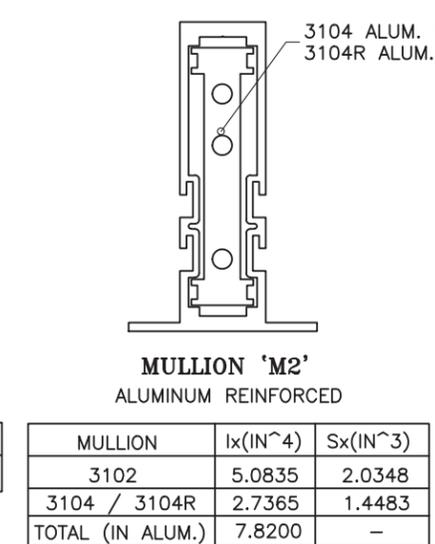
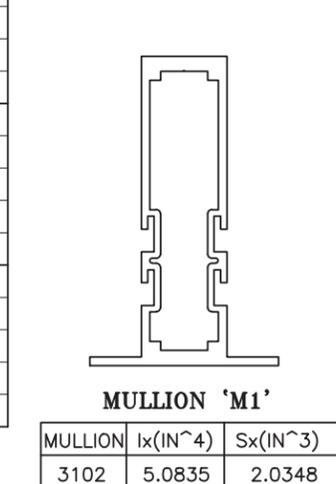
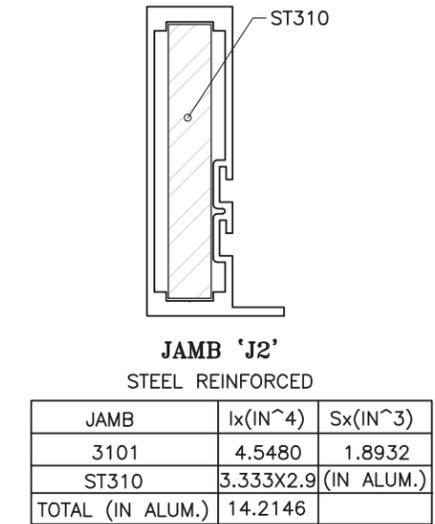
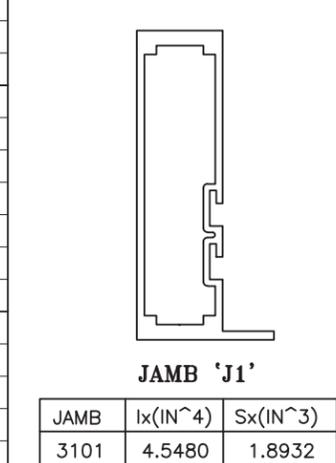
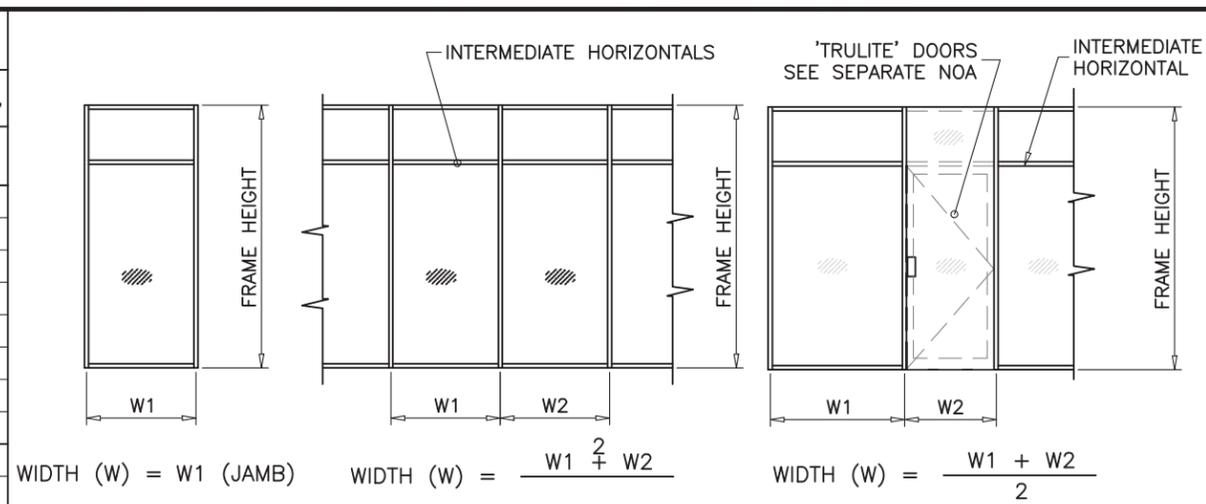
STAMP:  
Professional Engineer  
December 20th, 2023

PRODUCT CONTROL APPROVAL:  
**PRODUCT REVISED**  
As complying with the Florida  
Building Code  
NOA-No. **23-1222.10**  
Expiration Date: **03/31/2025**  
By: *Manuel Perez*  
Miami-Dade Product Control

DRAWN: James      DRAWING No:  
DATE: 12.20.2023      **4 OF 13**  
DWG: AD11-21

JAMB/MULLION LOAD CAPACITY - PSF WITH INTERMEDIATE HORIZONTALS				
NOMINAL DIMS.		MULL 'M1'	JAMB 'J1' MULL 'M2'	JAMB 'J2' MULL 'M3'
WIDTH (W)	FRAME HEIGHT	EXT. (+) INT. (-)	EXT. (+) INT. (-)	EXT. (+) INT. (-)
24"	78"	80.0	100.0	100.0
30"		80.0	100.0	100.0
36"		80.0	100.0	100.0
42"		80.0	100.0	100.0
48"		80.0	100.0	100.0
54"		80.0	100.0	100.0
60"		80.0	100.0	100.0
66"		-	100.0	100.0
72"	-	100.0	100.0	
24"	84"	80.0	100.0	100.0
30"		80.0	100.0	100.0
36"		80.0	100.0	100.0
42"		80.0	100.0	100.0
48"		80.0	100.0	100.0
54"		80.0	100.0	100.0
60"		72.1	100.0	100.0
66"		-	100.0	100.0
72"	-	93.9	93.9	
24"	90"	80.0	100.0	100.0
30"		80.0	100.0	100.0
36"		80.0	100.0	100.0
42"		80.0	100.0	100.0
48"		78.6	100.0	100.0
54"		69.8	100.0	100.0
60"		-	97.0	97.0
66"		-	88.2	88.2
72"	-	80.9	80.9	
24"	96"	80.0	100.0	100.0
30"		80.0	100.0	100.0
36"		80.0	100.0	100.0
42"		78.9	100.0	100.0
48"		69.0	100.0	100.0
54"		61.4	93.7	93.7
60"		-	84.3	84.3
66"		-	76.7	76.7
72"	-	70.3	70.3	
24"	102"	-	100.0	100.0
30"		-	100.0	100.0
36"		-	100.0	100.0
42"		-	100.0	100.0
48"		-	92.9	92.9
54"		-	82.6	82.6
60"		-	74.3	74.3
66"		-	67.6	67.6
72"	-	61.9	61.9	

JAMB/MULLION LOAD CAPACITY - PSF WITH INTERMEDIATE HORIZONTALS				
NOMINAL DIMS.		MULL 'M1'	JAMB 'J1' MULL 'M2'	JAMB 'J2' MULL 'M3'
WIDTH (W)	FRAME HEIGHT	EXT. (+) INT. (-)	EXT. (+) INT. (-)	EXT. (+) INT. (-)
24"	108"	-	100.0	100.0
30"		-	100.0	100.0
36"		-	100.0	100.0
42"		-	94.7	94.7
48"		-	82.9	82.9
54"		-	73.7	73.7
60"		-	66.3	66.3
66"		-	60.3	60.3
24"	114"	-	100.0	100.0
30"		-	100.0	100.0
36"		-	94.5	94.5
42"		-	81.0	81.0
48"		-	70.9	70.9
54"		-	63.0	63.0
60"		-	56.7	60.0
66"		-	-	-
24"	120"	-	100.0	100.0
30"		-	97.3	97.3
36"		-	81.1	81.1
42"		-	69.5	69.5
48"		-	60.8	60.8
54"		-	54.0	60.0
60"		-	48.6	60.0
66"		-	-	-
24"	126"	-	-	60.0
30"		-	-	60.0
36"		-	-	60.0
42"		-	-	60.0
48"		-	-	60.0
54"		-	-	60.0
60"		-	-	60.0
66"		-	-	60.0
24"	132"	-	-	60.0
30"		-	-	60.0
36"		-	-	60.0
42"		-	-	60.0
48"		-	-	60.0
54"		-	-	60.0
60"		-	-	60.0
66"		-	-	60.0
24"	138"	-	-	60.0
30"		-	-	60.0
36"		-	-	60.0
42"		-	-	60.0
48"		-	-	60.0
54"		-	-	60.0
60"		-	-	60.0
66"		-	-	60.0
24"	144"	-	-	60.0
30"		-	-	60.0
36"		-	-	60.0
42"		-	-	60.0
48"		-	-	60.0
54"		-	-	60.0
60"		-	-	60.0
66"		-	-	60.0



**PRODUCT RENEWED**  
as complying with the Florida  
Building Code  
NOA-No. **25-0401.01**  
Expiration Date: **03/31/2030**  
By: *Manuel Perez*  
Miami-Dade Product Control

STEP 3: MULLION LOAD CAPACITIES

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PRODUCT:

**Resistor**  
**3100 ALUMINUM**  
STOREFRONT WALL-LMI

**Resistor**  
PRODUCT SERIES

REV#	DATE/REMARKS
REV5	12.20.2023 UPDATE INTERLAYER

ENGINEER:

**MCY ENGINEERING, INC.**  
GLAZING CONSULTANT  
12781 Miramar Parkway #301  
Miramar, FL 33027  
P: 305-271-0117  
Email: mcy@mcyengineering.com  
www.MCYEngineering.com

STAMP:

December 20th, 2023

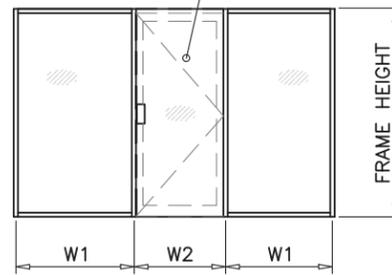
PRODUCT CONTROL APPROVAL:

**PRODUCT REVISED**  
As complying with the Florida  
Building Code  
NOA-No. **23-1222.10**  
Expiration Date: **03/31/2025**  
By: *Manuel Perez*  
Miami-Dade Product Control

DRAWN: James	DRAWING No:
DATE: 12.20.2023	<b>5 OF 13</b>
DWG: AD11-21	

DOOR MULLION LOAD CAPACITY - PSF			
NOMINAL DIMS.		WITHOUT REINFORCING	WITH REINFORCING
WIDTH (W)	FRAME HEIGHT	EXT.(+) / INT.(-)	EXT.(+) / INT.(-)
30"	81-1/4"	87.0	87.0
36"		87.0	87.0
42"		87.0	87.0
48"		87.0	87.0
54"		-	87.0
60"		-	87.0
30"	85-1/4"	87.0	87.0
36"		87.0	87.0
42"		87.0	87.0
48"		84.5	87.0
54"		-	87.0
60"		-	87.0
30"	91-1/4"	87.0	87.0
36"		87.0	87.0
42"		80.7	87.0
48"		-	87.0
54"		-	87.0
60"		-	87.0
30"	97-1/4"	87.0	87.0
36"		77.8	87.0
42"		66.7	87.0
48"		-	87.0
54"		-	87.0
60"		-	79.1
30"	102"	-	87.0
36"		-	87.0
42"		-	87.0
48"		-	87.0
54"		-	79.9
60"		-	71.9
30"	108"	-	87.0
36"		-	87.0
42"		-	87.0
48"		-	79.3
54"		-	70.5
60"		-	63.5
30"	114"	-	87.0
36"		-	87.0
42"		-	77.1
48"		-	67.5
54"		-	60.0
60"		-	54.0
30"	120"	-	87.0
36"		-	77.1
42"		-	66.1
48"		-	57.8
54"		-	51.4
60"		-	46.3

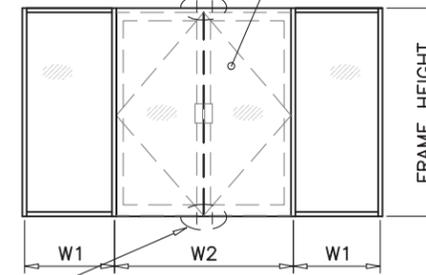
'TRULITE' DOORS  
SEE SEPARATE NOA



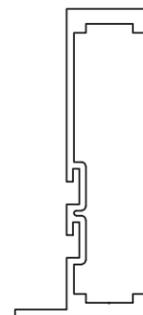
$$\text{WIDTH (W)} = \frac{W1 + W2}{2}$$

ANCHORS REQD.  
SEE DOOR NOA

'TRULITE' DOORS  
SEE SEPARATE NOA

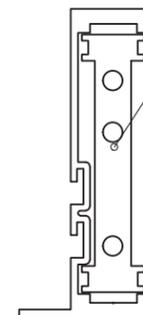


$$\text{WIDTH (W)} = \frac{W1}{2} + \frac{W2}{4}$$



DOOR MULLION  
W/O REINF.

JAMB	Ix(IN^4)	Sx(IN^3)
3101	4.5480	1.8932



DOOR MULLION  
W/ ALUM. REINF.

JAMB	Ix(IN^4)	Sx(IN^3)
3101	4.5480	1.8932
3104	2.7385	1.4483
TOTAL	7.2865	

3104 ALUM. REINF. OR  
3104R ALUM. REINF.

**PRODUCT RENEWED**  
as complying with the Florida  
Building Code  
NOA-No. **25-0401.01**  
Expiration Date: **03/31/2030**  
By: *Manuel Perez*  
Miami-Dade Product Control

**Trulite**  
GLASS & ALUMINUM SOLUTIONS™

http://www.trulite.com

403 WESTPARK COURT, Suite 201  
PEACHTREE CITY, GA 30269  
p. 800-432-8132

PRODUCT:

**Resistor**  
**3100 ALUMINUM**  
STOREFRONT WALL-LMI

**Resistor**  
PRODUCT SERIES

REV#	DATE/REMARKS
REV5	12.20.2023 UPDATE INTERLAYER

ENGINEER:



**MCY ENGINEERING, INC.**  
GLAZING CONSULTANT

12781 Miramar Parkway #301  
Miramar, FL 33027  
P: 305-271-0117  
Email: mcy@mcyengineering.com  
www.MCYEngineering.com

STAMP:



December 20th, 2023

PRODUCT CONTROL APPROVAL:

**PRODUCT REVISED**  
As complying with the Florida  
Building Code  
NOA-No. **23-1222.10**  
Expiration Date: **03/31/2025**  
By: *Manuel Perez*  
Miami-Dade Product Control

DRAWN: James

DRAWING No:

DATE: 12.20.2023

**6 OF 13**

DWG: AD11-21

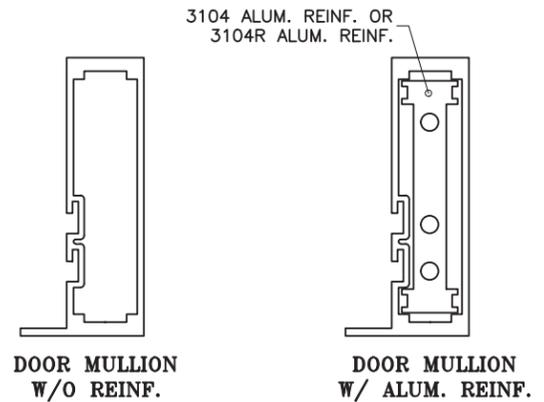
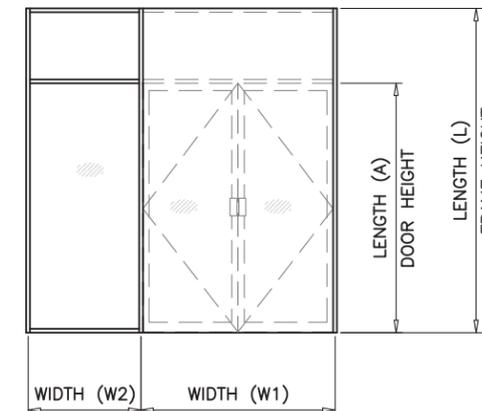
STEP 3: MULLION LOAD CAPACITIES

DOOR MULLION LOAD CAPACITY - PSF AT DOUBLE DOOR WITH TRANSOM					
NOMINAL DIMS.				WITHOUT REINFORCING	WITH REINFORCING
WIDTH (W1)	WIDTH (W2)	LENGTH (A)	LENGTH (L)	EXT.(+) INT.(-)	EXT.(+) INT.(-)
60"	30"	96"	102"	78.3	87.0
	33"			75.0	87.0
	36"			71.9	87.0
	39"			69.0	87.0
	42"			66.4	87.0
	48"			61.7	87.0
	54"			57.6	87.0
	72"			71.0	87.0
72"	33"	96"	102"	68.3	87.0
	36"			65.7	87.0
	39"			63.3	87.0
	42"			61.1	87.0
	48"			57.1	87.0
	54"			53.6	87.0
	60"			62.6	87.0
	60"			60.0	87.0
60"	36"	96"	108"	57.7	87.0
	39"			55.5	87.0
	42"			53.5	87.0
	48"			49.8	86.2
	54"			46.7	80.8
	72"			56.5	87.0
	72"			54.4	87.0
	72"			52.5	87.0
72"	36"	96"	108"	50.6	87.0
	39"			49.0	84.7
	42"			45.9	79.4
	48"			43.2	74.8
	60"			50.9	87.0
	60"			48.9	84.7
	60"			47.1	81.5
	60"			45.4	78.5
60"	42"	96"	114"	43.8	75.8
	48"			40.9	70.8
	54"			38.4	66.5
	72"			45.8	79.3
	72"			44.2	76.5
	72"			42.7	73.8
	72"			41.3	71.4
	72"			39.9	69.1
72"	42"	96"	114"	37.5	65.0
	48"			35.4	61.3

DOOR MULLION LOAD CAPACITY - PSF AT DOUBLE DOOR WITH TRANSOM					
NOMINAL DIMS.				WITHOUT REINFORCING	WITH REINFORCING
WIDTH (W1)	WIDTH (W2)	LENGTH (A)	LENGTH (L)	EXT.(+) INT.(-)	EXT.(+) INT.(-)
60"	30"	96"	120"	42.1	72.9
	33"			40.5	70.1
	36"			39.1	67.6
	39"			37.7	65.2
	42"			36.4	63.0
	48"			34.1	59.0
	54"			32.0	55.5
	72"			37.8	65.4
72"	33"	96"	120"	36.5	63.2
	36"			35.3	61.1
	39"			34.2	59.1
	42"			33.1	57.3
	48"			31.2	54.0
	60"			40.0	70.0
	60"			39.0	67.0
	60"			37.0	65.0
60"	36"	96"	108"	36.0	63.0
	39"			35.0	61.0
	42"			33.0	58.0
	48"			31.0	54.0
	54"			31.0	54.0
	72"			35.0	61.0
	72"			34.0	60.0
	72"			33.0	58.0
72"	36"	96"	108"	32.0	56.0
	39"			31.0	53.0
	42"			30.0	52.0

DOOR MULLION LOAD CAPACITY - PSF AT DOUBLE DOOR WITH TRANSOM					
NOMINAL DIMS.				WITHOUT REINFORCING	WITH REINFORCING
WIDTH (W1)	WIDTH (W2)	LENGTH (A)	LENGTH (L)	EXT.(+) INT.(-)	EXT.(+) INT.(-)
60"	30"	90"	96"	87.0	87.0
	33"			87.0	87.0
	36"			84.2	87.0
	39"			80.8	87.0
	42"			77.8	87.0
	48"			72.2	87.0
	54"			67.4	87.0
	72"			83.4	87.0
72"	33"	90"	96"	80.1	87.0
	36"			77.0	87.0
	39"			74.2	87.0
	42"			71.6	87.0
	48"			66.9	87.0
	54"			62.7	87.0
	60"			73.8	87.0
	60"			70.8	87.0
60"	36"	90"	102"	68.1	87.0
	39"			65.5	87.0
	42"			63.1	87.0
	48"			58.9	87.0
	54"			55.1	87.0
	72"			66.6	87.0
	72"			64.1	87.0
	72"			61.9	87.0
72"	36"	90"	102"	59.8	87.0
	39"			57.8	87.0
	42"			54.2	87.0
	48"			51.0	86.4
	60"			59.4	87.0
	60"			57.1	87.0
	60"			55.0	87.0
	60"			53.0	87.0
60"	42"	90"	108"	51.2	87.0
	48"			47.8	82.8
	54"			44.9	77.7
	72"			53.4	87.0
	72"			51.6	87.0
	72"			49.8	86.2
	72"			48.2	83.4
	72"			46.6	80.7
72"	42"	90"	108"	43.9	75.9
	48"			41.4	71.6

DOOR MULLION LOAD CAPACITY - PSF AT DOUBLE DOOR WITH TRANSOM					
NOMINAL DIMS.				WITHOUT REINFORCING	WITH REINFORCING
WIDTH (W1)	WIDTH (W2)	LENGTH (A)	LENGTH (L)	EXT.(+) INT.(-)	EXT.(+) INT.(-)
60"	30"	90"	114"	48.7	84.3
	33"			46.9	81.2
	36"			45.2	78.2
	39"			43.6	75.5
	42"			42.2	73.0
	48"			39.5	68.3
	54"			37.1	64.3
	72"			43.7	75.6
72"	33"	90"	114"	42.2	73.1
	36"			40.8	70.7
	39"			39.5	68.4
	42"			38.3	66.3
	48"			36.1	62.5
	54"			34.1	59.1
	60"			40.6	70.3
	60"			39.1	67.7
60"	36"	90"	120"	37.7	65.3
	39"			36.5	63.1
	42"			35.3	61.0
	48"			33.1	57.2
	54"			31.1	53.9
	72"			36.3	62.9
	72"			35.1	60.8
	72"			34.0	58.9
72"	36"	90"	120"	33.0	57.0
	39"			32.0	55.3
	42"			30.2	52.2



JAMB	Ix(IN^4)	Sx(IN^3)
3101	4.5480	1.8932

JAMB	Ix(IN^4)	Sx(IN^3)
3101	4.5480	1.8932
3104	2.7385	1.4483
TOTAL	7.2865	

**PRODUCT RENEWED**  
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 Expiration Date: **03/31/2025**  
 By: *Manuel Perez*  
 Miami-Dade Product Control

STEP 3: MULLION LOAD CAPACITIES

http://www.trulite.com  
 403 WESTPARK COURT, Suite 201  
 PEACHTREE CITY, GA 30269  
 p. 800-432-8132

PRODUCT:  
**Resistor**  
**3100 ALUMINUM**  
**STOREFRONT WALL-LMI**  
**Resistor**  
 PRODUCT SERIES

REV#	DATE/REMARKS
REV5	12.20.2023 UPDATE INTERLAYER

ENGINEER:  
  
**MCY ENGINEERING, INC.**  
 GLAZING CONSULTANT  
 12781 Miramar Parkway #301  
 Miramar, FL 33027  
 P: 305-271-0117  
 Email: mcy@mcyengineering.com  
 www.MCYEngineering.com

STAMP:  
  
 December 20th, 2023

PRODUCT CONTROL APPROVAL:

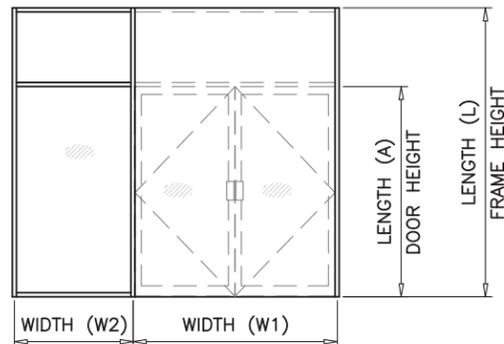
DRAWN: James	DRAWING No:
DATE: 12.20.2023	<b>7 OF 13</b>
DWG: AD11-21	

DOOR MULLION LOAD CAPACITY – PSF AT DOUBLE DOOR WITH TRANSOM					
NOMINAL DIMS.				WITHOUT REINFORCING	WITH REINFORCING
WIDTH (W1)	WIDTH (W2)	LENGTH (A)	LENGTH (L)	EXT.(+) INT.(-)	EXT.(+) INT.(-)
60"	30"	84"	90"	87.0	87.0
	33"			87.0	87.0
	36"			87.0	87.0
	39"			87.0	87.0
	42"			87.0	87.0
	48"			82.7	87.0
72"	30"	84"	90"	77.3	87.0
	33"			87.0	87.0
	36"			87.0	87.0
	39"			84.9	87.0
	42"			81.9	87.0
	48"			76.6	87.0
60"	30"	84"	96"	71.9	87.0
	33"			87.0	87.0
	36"			87.0	87.0
	39"			84.9	87.0
	42"			81.9	87.0
	48"			76.6	87.0
72"	30"	84"	96"	60.4	87.0
	33"			79.0	87.0
	36"			76.1	87.0
	39"			73.4	87.0
	42"			70.9	87.0
	48"			68.5	87.0
60"	30"	84"	102"	60.4	87.0
	33"			70.0	87.0
	36"			67.3	87.0
	39"			64.8	87.0
	42"			62.4	87.0
	48"			56.4	87.0
72"	30"	84"	102"	53.0	87.0
	33"			62.8	87.0
	36"			60.7	87.0
	39"			58.6	87.0
	42"			56.7	87.0
	48"			51.7	87.0
60"	30"	84"	108"	48.8	83.9
	33"			70.0	87.0
	36"			67.3	87.0
	39"			64.8	87.0
	42"			62.4	87.0
	48"			56.4	87.0

DOOR MULLION LOAD CAPACITY – PSF AT DOUBLE DOOR WITH TRANSOM					
NOMINAL DIMS.				WITHOUT REINFORCING	WITH REINFORCING
WIDTH (W1)	WIDTH (W2)	LENGTH (A)	LENGTH (L)	EXT.(+) INT.(-)	EXT.(+) INT.(-)
60"	30"	84"	108"	56.8	87.0
	33"			54.7	87.0
	36"			52.7	87.0
	39"			50.9	87.0
	42"			49.2	85.1
	48"			46.1	79.8
72"	30"	84"	108"	43.4	75.1
	33"			50.9	87.0
	36"			49.2	85.1
	39"			47.6	82.4
	42"			46.1	79.8
	48"			44.7	77.4
60"	30"	84"	114"	39.9	69.0
	33"			50.9	87.0
	36"			49.2	85.1
	39"			47.6	82.4
	42"			46.1	79.8
	48"			44.7	77.4
72"	30"	84"	114"	33.1	57.2
	33"			42.0	72.6
	36"			40.6	70.3
	39"			39.3	68.0
	42"			38.1	66.0
	48"			37.0	64.0
60"	30"	84"	120"	34.9	60.4
	33"			42.0	72.6
	36"			40.6	70.3
	39"			39.3	68.0
	42"			38.1	66.0
	48"			37.0	64.0
72"	30"	84"	120"	30.4	52.6
	33"			35.1	60.8
	36"			34.0	58.8
	39"			33.0	57.0
	42"			32.0	55.3
	48"			31.0	53.7
60"	30"	84"	126"	29.3	50.8
	33"			35.1	60.8
	36"			34.0	58.8
	39"			33.0	57.0
	42"			32.0	55.3
	48"			31.0	53.7

DOOR MULLION LOAD CAPACITY – PSF AT DOUBLE DOOR WITH TRANSOM					
NOMINAL DIMS.				WITHOUT REINFORCING	WITH REINFORCING
WIDTH (W1)	WIDTH (W2)	LENGTH (A)	LENGTH (L)	EXT.(+) INT.(-)	EXT.(+) INT.(-)
60"	30"	80"	90"	87.0	87.0
	33"			87.0	87.0
	36"			87.0	87.0
	39"			87.0	87.0
	42"			86.6	87.0
	48"			80.7	87.0
72"	30"	80"	90"	75.5	87.0
	33"			87.0	87.0
	36"			87.0	87.0
	39"			87.0	87.0
	42"			85.1	87.0
	48"			82.2	87.0
60"	30"	80"	96"	79.4	87.0
	33"			84.6	87.0
	36"			81.3	87.0
	39"			78.3	87.0
	42"			75.5	87.0
	48"			72.9	87.0
72"	30"	80"	96"	68.1	87.0
	33"			76.1	87.0
	36"			73.4	87.0
	39"			70.9	87.0
	42"			68.6	87.0
	48"			66.4	87.0
60"	30"	80"	102"	62.5	87.0
	33"			64.0	87.0
	36"			64.0	87.0
	39"			64.0	87.0
	42"			64.0	87.0
	48"			62.5	87.0
72"	30"	80"	102"	58.9	87.0
	33"			67.8	87.0
	36"			65.2	87.0
	39"			62.9	87.0
	42"			60.7	87.0
	48"			58.7	87.0
60"	30"	80"	108"	51.7	87.0
	33"			60.7	87.0
	36"			58.7	87.0
	39"			56.8	87.0
	42"			55.0	87.0
	48"			53.3	87.0
72"	30"	80"	108"	47.5	82.2
	33"			60.7	87.0
	36"			58.7	87.0
	39"			56.8	87.0
	42"			55.0	87.0
	48"			53.3	87.0

DOOR MULLION LOAD CAPACITY – PSF AT DOUBLE DOOR WITH TRANSOM					
NOMINAL DIMS.				WITHOUT REINFORCING	WITH REINFORCING
WIDTH (W1)	WIDTH (W2)	LENGTH (A)	LENGTH (L)	EXT.(+) INT.(-)	EXT.(+) INT.(-)
60"	30"	80"	108"	55.3	87.0
	33"			53.3	87.0
	36"			51.5	87.0
	39"			49.7	86.1
	42"			48.1	83.2
	48"			45.1	78.1
72"	30"	80"	108"	42.5	73.6
	33"			49.5	85.6
	36"			47.9	82.8
	39"			46.4	80.2
	42"			44.9	77.8
	48"			43.6	75.5
60"	30"	80"	114"	41.2	71.2
	33"			39.0	67.5
	36"			45.9	79.5
	39"			44.3	76.7
	42"			42.8	74.1
	48"			41.4	71.6
72"	30"	80"	114"	40.0	69.3
	33"			37.6	65.1
	36"			35.5	61.4
	39"			35.5	61.4
	42"			35.5	61.4
	48"			35.5	61.4
60"	30"	80"	120"	35.5	61.4
	33"			41.0	71.0
	36"			39.7	68.7
	39"			38.5	66.6
	42"			37.3	64.6
	48"			36.2	62.7
72"	30"	80"	120"	34.3	59.3
	33"			32.5	56.2
	36"			38.7	66.9
	39"			37.3	64.6
	42"			36.1	62.4
	48"			34.9	60.4
60"	30"	80"	126"	33.8	58.5
	33"			31.8	55.0
	36"			30.0	51.9
	39"			30.0	51.9
	42"			30.0	51.9
	48"			30.0	51.9
72"	30"	80"	126"	30.0	51.9
	33"			34.5	59.7
	36"			33.4	57.8
	39"			32.4	56.0
	42"			31.4	54.4
	48"			30.5	52.9



**PRODUCT RENEWED**  
as complying with the Florida Building Code  
NOA-No. **25-0401.01**  
Expiration Date: **03/31/2030**  
By: *Manuel Perez*  
Miami-Dade Product Control

**PRODUCT REVISED**  
As complying with the Florida Building Code  
NOA-No. **23-1222.10**  
Expiration Date: **03/31/2025**  
By: *Manuel Perez*  
Miami-Dade Product Control

STEP 3: MULLION LOAD CAPACITIES

**Trulite**  
GLASS & ALUMINUM SOLUTIONS™  
http://www.trulite.com  
403 WESTPARK COURT, Suite 201  
PEACHTREE CITY, GA 30269  
p. 800-432-8132

PRODUCT:  
**Resistor**  
**3100 ALUMINUM**  
STOREFRONT WALL-LMI  
**Resistor**  
PRODUCT SERIES

REVN	DATE/REMARKS
REV5	12.20.2023 UPDATE INTERLAYER

ENGINEER:  
**MCY ENGINEERING, INC.**  
GLAZING CONSULTANT  
12781 Miramar Parkway #301  
Miramar, FL 33027  
P: 305-271-0117  
Email: mcy@mcyengineering.com  
www.MCYEngineering.com

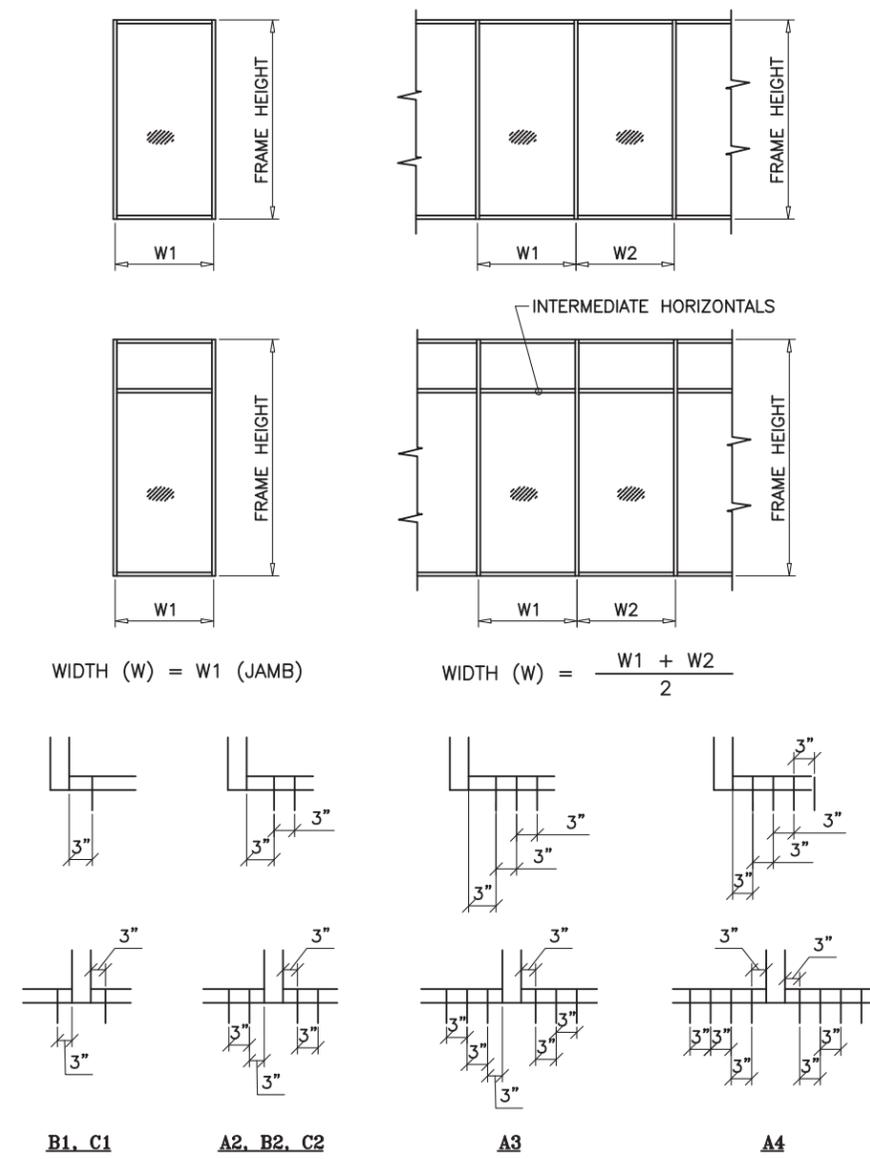
STAMP:  
  
December 20th, 2023

PRODUCT CONTROL APPROVAL:  
DRAWN: James  
DATE: 12.20.2023  
DWG: AD11-21

DRAWING No:  
**8 OF 13**

ANCHOR LOAD CAPACITY - PSF EXT.(+) & INT.(-)						
NOMINAL DIMS.		ANCHORS TYPE 'A'			TYPE 'B' & 'C'	
WIDTH (W)	FRAME HEIGHT	'A2'	'A3'	'A4'	'B1'/'C1'	'B2'/'C2'
24"	66"	100.0	100.0	100.0	100.0	100.0
30"		100.0	100.0	100.0	100.0	100.0
36"		100.0	100.0	100.0	100.0	100.0
42"		100.0	100.0	100.0	100.0	100.0
48"		100.0	100.0	100.0	100.0	100.0
54"		95.4	100.0	100.0	95.8	100.0
60"		85.8	100.0	100.0	86.2	100.0
66"		78.0	100.0	100.0	78.3	100.0
72"		71.5	100.0	100.0	71.8	100.0
72"		72"	100.0	100.0	100.0	100.0
30"	100.0		100.0	100.0	100.0	100.0
36"	100.0		100.0	100.0	100.0	100.0
42"	100.0		100.0	100.0	100.0	100.0
48"	98.3		100.0	100.0	98.8	100.0
54"	87.4		100.0	100.0	87.8	100.0
60"	78.7		100.0	100.0	79.0	100.0
66"	71.5		100.0	100.0	71.8	100.0
72"	65.6	91.8	100.0	65.8	100.0	
24"	78"	100.0	100.0	100.0	100.0	100.0
30"		100.0	100.0	100.0	100.0	100.0
36"		100.0	100.0	100.0	100.0	100.0
42"		100.0	100.0	100.0	100.0	100.0
48"		90.8	100.0	100.0	91.2	100.0
54"		80.7	100.0	100.0	81.0	100.0
60"		72.6	100.0	100.0	72.9	100.0
66"		66.0	92.4	100.0	66.3	100.0
72"		60.5	84.7	100.0	60.8	100.0
24"		84"	100.0	100.0	100.0	100.0
30"	100.0		100.0	100.0	100.0	100.0
36"	100.0		100.0	100.0	100.0	100.0
42"	96.3		100.0	100.0	96.7	100.0
48"	84.3		100.0	100.0	84.6	100.0
54"	74.9		100.0	100.0	75.2	100.0
60"	67.4		94.4	100.0	67.7	100.0
66"	61.3		85.8	100.0	61.6	100.0
72"	56.2		78.7	100.0	56.4	94.0
24"	90"		100.0	100.0	100.0	100.0
30"		100.0	100.0	100.0	100.0	100.0
36"		100.0	100.0	100.0	100.0	100.0
42"		89.9	100.0	100.0	90.3	100.0
48"		78.7	100.0	100.0	79.0	100.0
54"		69.9	97.9	100.0	70.2	100.0
60"		62.9	88.1	100.0	63.2	100.0
66"		57.2	80.1	100.0	57.5	95.8
72"		52.4	73.4	94.4	52.7	87.8
24"		96"	100.0	100.0	100.0	100.0
30"	100.0		100.0	100.0	100.0	100.0
36"	98.3		100.0	100.0	98.8	100.0
42"	84.3		100.0	100.0	84.6	100.0
48"	73.8		100.0	100.0	74.1	100.0
54"	65.6		91.8	100.0	65.8	100.0
60"	59.0		82.6	100.0	59.3	98.8
66"	53.6		75.1	96.5	53.9	89.8

ANCHOR LOAD CAPACITY - PSF EXT.(+) & INT.(-)						
NOMINAL DIMS.		ANCHORS TYPE 'A'			TYPE 'B' & 'C'	
WIDTH (W)	FRAME HEIGHT	'A2'	'A3'	'A4'	'B1'/'C1'	'B2'/'C2'
24"	102"	100.0	100.0	100.0	100.0	100.0
30"		100.0	100.0	100.0	100.0	100.0
36"		92.5	100.0	100.0	92.9	100.0
42"		79.3	100.0	100.0	79.7	100.0
48"		69.4	97.2	100.0	69.7	100.0
54"		61.7	86.4	100.0	62.0	100.0
60"	55.5	77.7	100.0	55.8	92.9	
24"	108"	100.0	100.0	100.0	100.0	100.0
30"		100.0	100.0	100.0	100.0	100.0
36"		87.4	100.0	100.0	87.8	100.0
42"		74.9	100.0	100.0	75.2	100.0
48"		65.6	91.8	100.0	65.8	100.0
54"		58.3	81.6	100.0	58.5	97.5
60"	52.4	73.4	94.4	52.7	87.8	
24"	114"	100.0	100.0	100.0	100.0	100.0
30"		99.4	100.0	100.0	99.8	100.0
36"		82.8	100.0	100.0	83.2	100.0
42"		71.0	99.4	100.0	71.3	100.0
48"		62.1	86.9	100.0	62.4	100.0
54"		55.2	77.3	99.4	55.4	92.4
24"	120"	100.0	100.0	100.0	100.0	100.0
30"		94.4	100.0	100.0	94.8	100.0
36"		78.7	100.0	100.0	79.0	100.0
42"		67.4	94.4	100.0	67.7	100.0
48"		59.0	82.6	100.0	59.3	98.8
54"		52.4	73.4	94.4	52.7	87.8
24"	126"	60.0	60.0	60.0	60.0	60.0
30"		60.0	60.0	60.0	60.0	60.0
36"		60.0	60.0	60.0	60.0	60.0
42"		60.0	60.0	60.0	60.0	60.0
48"		56.2	60.0	60.0	56.4	60.0
54"		49.9	60.0	60.0	50.2	60.0
24"	132"	60.0	60.0	60.0	60.0	60.0
30"		60.0	60.0	60.0	60.0	60.0
36"		60.0	60.0	60.0	60.0	60.0
42"		60.0	60.0	60.0	60.0	60.0
48"		53.6	60.0	60.0	53.9	60.0
54"		49.2	60.0	60.0	49.4	60.0
24"	138"	60.0	60.0	60.0	60.0	60.0
30"		60.0	60.0	60.0	60.0	60.0
36"		60.0	60.0	60.0	60.0	60.0
42"		58.6	60.0	60.0	58.9	60.0
48"		51.3	60.0	60.0	51.5	60.0
54"		49.2	60.0	60.0	49.4	60.0
24"	144"	60.0	60.0	60.0	60.0	60.0
30"		60.0	60.0	60.0	60.0	60.0
36"		60.0	60.0	60.0	60.0	60.0
42"		56.2	60.0	60.0	56.4	60.0
48"		49.2	60.0	60.0	49.4	60.0



**ANCHORS TYPES:** SEE SHEET 10 FOR DESCRIPTION

**B1** = (1) ANCHOR TYPE 'B' AT EACH SIDE OF MULLION OR JAMB  
**C1** = (1) ANCHOR TYPE 'C' AT EACH SIDE OF MULLION OR JAMB

**A2** = (2) ANCHORS TYPE 'A' AT EACH SIDE OF MULLION OR JAMB  
**B2** = (2) ANCHORS TYPE 'B' AT EACH SIDE OF MULLION OR JAMB  
**C2** = (2) ANCHORS TYPE 'C' AT EACH SIDE OF MULLION OR JAMB

**A3** = (3) ANCHORS TYPE 'A' AT EACH SIDE OF MULLION OR JAMB  
**A4** = (4) ANCHORS TYPE 'A' AT EACH SIDE OF MULLION OR JAMB

MAXIMUM SPACING FOR HEAD AND SILL ANCHORS NOT TO EXCEED 24" O.C.

**PRODUCT RENEWED**  
as complying with the Florida Building Code  
NOA-No. **25-0401.01**  
Expiration Date: **03/31/2030**  
By: *Manuel Perez*  
Miami-Dade Product Control

STEP 4: ANCHOR LOAD CAPACITY

http://www.trulite.com

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PEACHTREE CITY, GA 30269  
p. 800-432-8132

PRODUCT:

**Resistor**  
**3100 ALUMINUM**  
STOREFRONT WALL-LMI

**Resistor**  
PRODUCT SERIES

REV#	DATE/REMARKS
REV5	12.20.2023 UPDATE INTERLAYER

ENGINEER:

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GLAZING CONSULTANT

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P: 305-271-0117  
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December 20th, 2023

PRODUCT CONTROL APPROVAL:

**PRODUCT REVISED**  
As complying with the Florida Building Code  
NOA-No. **23-1222.10**  
Expiration Date: **03/31/2025**  
By: *Manuel Perez*  
Miami-Dade Product Control

DRAWN: James	DRAWING No:
DATE: 12.20.2023	<b>9 OF 13</b>
DWG: AD11-21	

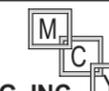
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NOA-No. **23-1222.10**

Expiration Date: **03/31/2025**

By: *Manuel Perez*  
Miami-Dade Product Control

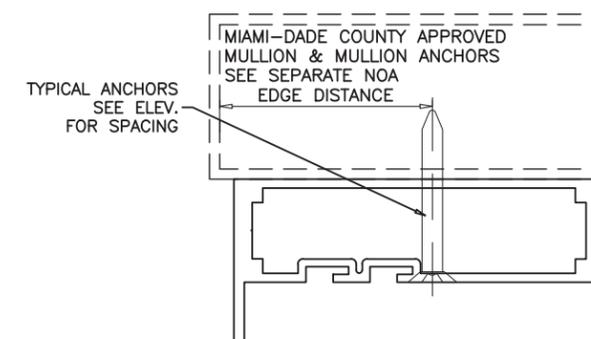
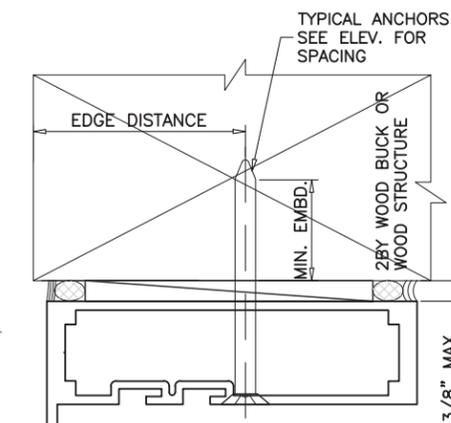
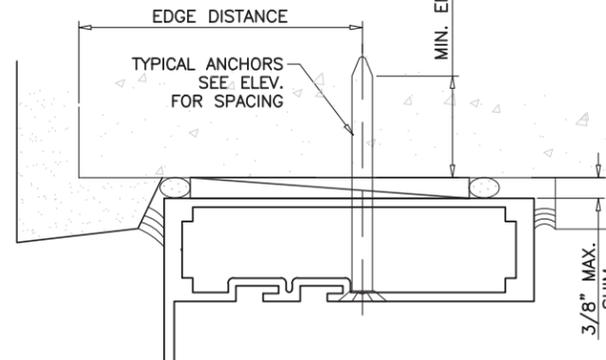
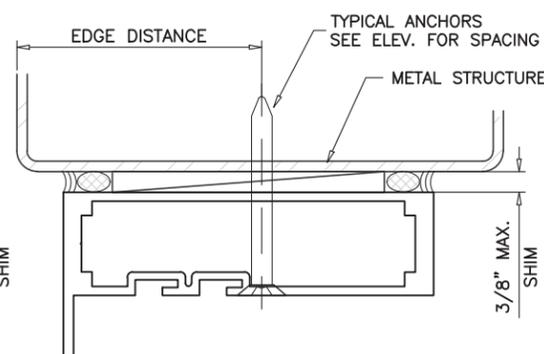
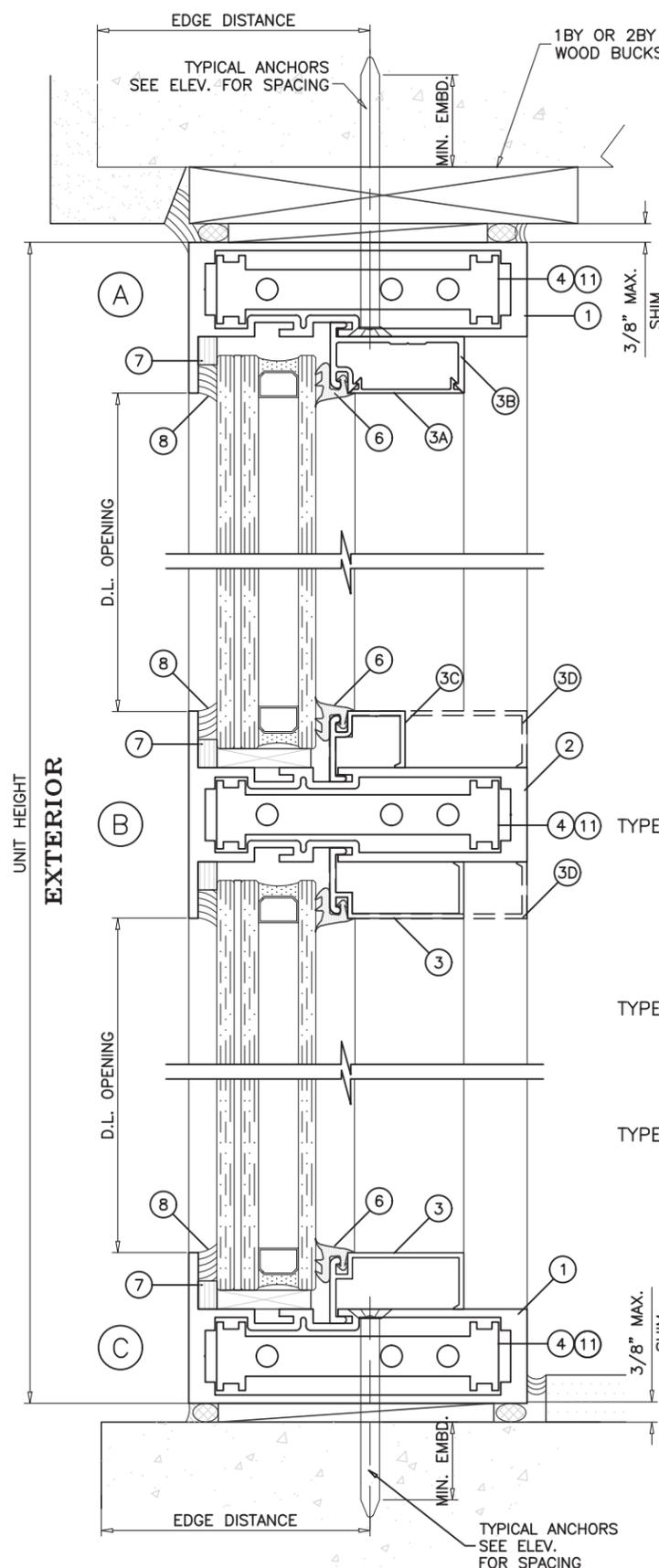
DRAWN: James

DRAWING No:

DATE: 12.20.2023

**10 OF 13**

DWG: AD11-21



NOTE:  
MULLIONS SHOWN IN DASHED LINES ARE NOT PART OF THIS APPROVAL.

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

**TYPICAL ANCHORS**

**AT WINDOW WALL SYSTEM:** SEE ELEV. FOR SPACING

TYPE 'A' - 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 HOLLOW BLOCK 1-1/4" MIN. EMBED INTO CONC. OR HOLLOW BLOCK 1-3/4" MIN. EMBED INTO GROUT FILLED BLOCK

TYPE 'B' - 1/4" DIA. ULTRACON+ BY 'DEWALT' (Fu=164 KSI, Fy=148 KSI) DIRECTLY INTO CONC. OR HOLLOW BLOCK 1-5/8" MIN. EMBED INTO CONC. OR HOLLOW BLOCK 1-3/4" MIN. EMBED INTO GROUT FILLED BLOCK

TYPE 'C' - #14 SMS OR SELF DRILLING SCREWS (GRADE 2 CRS) INTO MIAMI-DADE COUNTY APPROVED MULLIONS (1/8" THK. MIN.) INTO METAL STRUCTURES STEEL : 1/8" THK. MIN. (Fy = 36 KSI MIN.) ALUMINUM : 1/8" THK. MIN. (6063-T5 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.

**TYPICAL ANCHORS**

**AT ALTERNATE WINDOW SHAPES:** SEE SHEET 2 FOR SPACING

TYPE 'D' - 5/16" DIA. ULTRACON BY 'DEWALT' (Fu=177 KSI, Fy=155 KSI) INTO 2BY WOOD BUCKS OR WOOD STRUCTURES 1-3/8" MIN. PENETRATION INTO WOOD THRU 1BY BUCKS INTO CONC. OR HOLLOW BLOCK 1-1/4" MIN. EMBED INTO CONC. OR HOLLOW BLOCK 1-3/4" MIN. EMBED INTO GROUT FILLED BLOCK

DIRECTLY INTO CONC. OR HOLLOW BLOCK 1-5/8" MIN. EMBED INTO CONC. OR HOLLOW BLOCK 1-3/4" MIN. EMBED INTO GROUT FILLED BLOCK

TYPE 'D' - 5/16" DIA. SMS OR SELF DRILLING SCREWS (GRADE 2 CRS) INTO MIAMI-DADE COUNTY APPROVED MULLIONS (1/8" THK. MIN.) INTO METAL STRUCTURES STEEL : 1/8" THK. MIN. (Fy = 36 KSI MIN.) ALUMINUM : 1/8" THK. MIN. (6063-T5 MIN.) (STEEL IN CONTACT WITH ALUMINUM TO BE PLATED OR PAINTED)

**TYPICAL EDGE DISTANCE**

INTO CONCRETE AND MASONRY = 3-1/8" MIN.  
INTO WOOD STRUCTURE = 1" MIN.  
INTO METAL STRUCTURE = 3/4" MIN.

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

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

NOA-No. **25-0401.01**

Expiration Date: **03/31/2030**

By: *Manuel Perez*  
Miami-Dade Product Control

THIS PRODUCT MAY BE INSTALLED INSIDE OR OUTSIDE GLAZED

### BILL OF MATERIALS

ITEM #	QTY.	PROFILE	DESCRIPTION	MATERIAL	MANUFACTURER/REMARKS
1	AS REQD.	3101	FRAME HEAD/JAMB/JAMB	ALUM. 6063-T6	TRULITE
2	AS REQD.	3102	INTERMEDIATE VERTICAL/HORIZONTAL	ALUM. 6063-T6	TRULITE
3	AS REQD.	3103	GLASS STOP	ALUM. 6063-T5	TRULITE
3A	AS REQD.	3303	GLASS STOP COVER	ALUM. 6063-T6	TRULITE
3B	AS REQD.	3304	OPEN BACK GLASS STOP	ALUM. 6063-T6	TRULITE
3C	AS REQD.	3003	GLASS STOP	ALUM. 6063-T6	TRULITE
3D	AS REQD.	3103Z	GLASS STOP	ALUM. 6063-T6	TRULITE
4	AS REQD.	3104/ 3104CLIP	SHEAR BLOCK/ MULLION REINFORCING	ALUM. 6063-T6	TRULITE
4A	AS REQD.	ST310	0.625" X 4" STEEL BAR, MULLION REINFORCING	STEEL BAR	5/8" X 4"
5	2/LITE	H62F	SETTING BLOCK (INSUL. LAM. GLASS) DUROMETER 85 +/-5	EPDM	1-1/4" X 1/4" X 4" LONG
5A	2/LITE	H62D	SETTING BLOCK (9/16" LAM. GLASS) DUROMETER 85 +/-5	EPDM	1/2" X 1/4" X 4" LONG
6	AS REQD.	RG-1	WEDGE IN GASKET DUROMETER 60 +/-5	EPDM	-
7	AS REQD.	V2100/ VK1826	GLAZING FOAM TAPE	-	1/4" X 3/8"
8	AS REQD.	DOWSIL 995/ 983	GLAZING SEALANT	SILICONE	DOW
9	2/CORNER	23163	#12-14 X 3/4" FHPMS TYPE 23	ZINC STL.	-
10	2/CORNER	23233	1/4-20 X 1-1/2" PHMS TYPE 23	STAINLESS STL.	-
11	AS REQD.	3104C/ 3104R	SHEAR BLOCK/ MULLION REINFORCING	ALUM. 6063-T6	TRULITE



GLASS & ALUMINUM SOLUTIONS™  
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**Resistor**  
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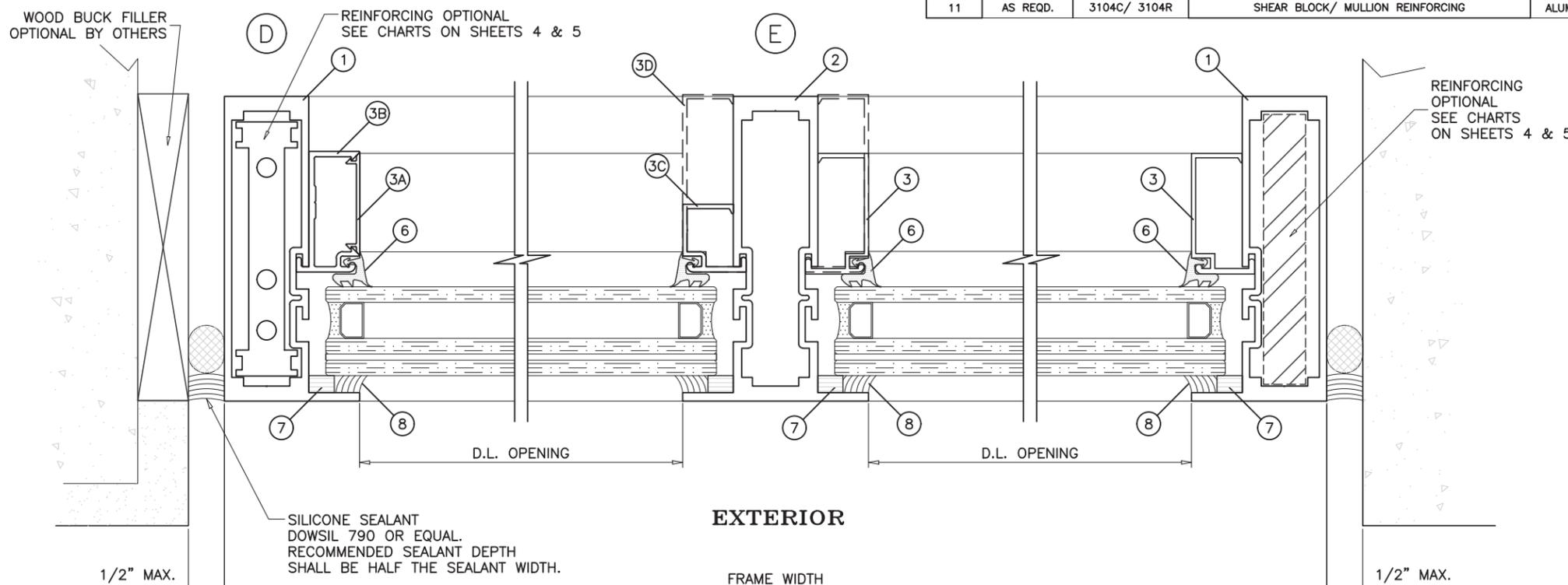


December 20th, 2023

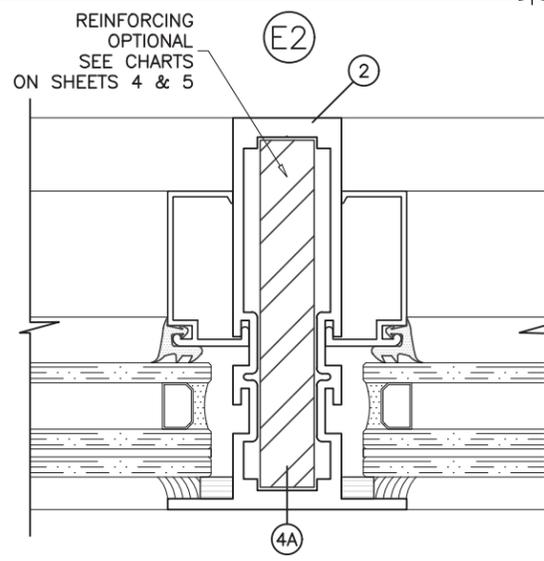
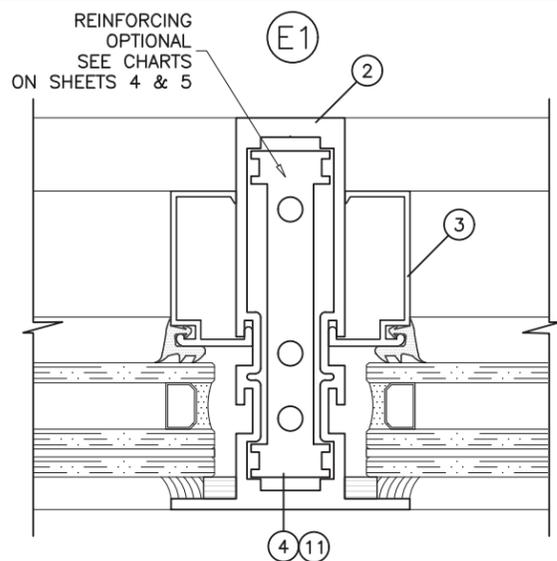
PRODUCT CONTROL APPROVAL:

**PRODUCT RENEWED**  
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ALTERNATE SEALANTS AT JAMB GAPS CAN BE DESIGNED BY ENGINEER OF RECORD BASED ON MANUFACTURER GUIDE LINES.



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DRAWN: James

DATE: 12.20.2023

DWG: AD11-21

DRAWING No:

**11 OF 13**

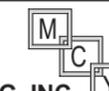
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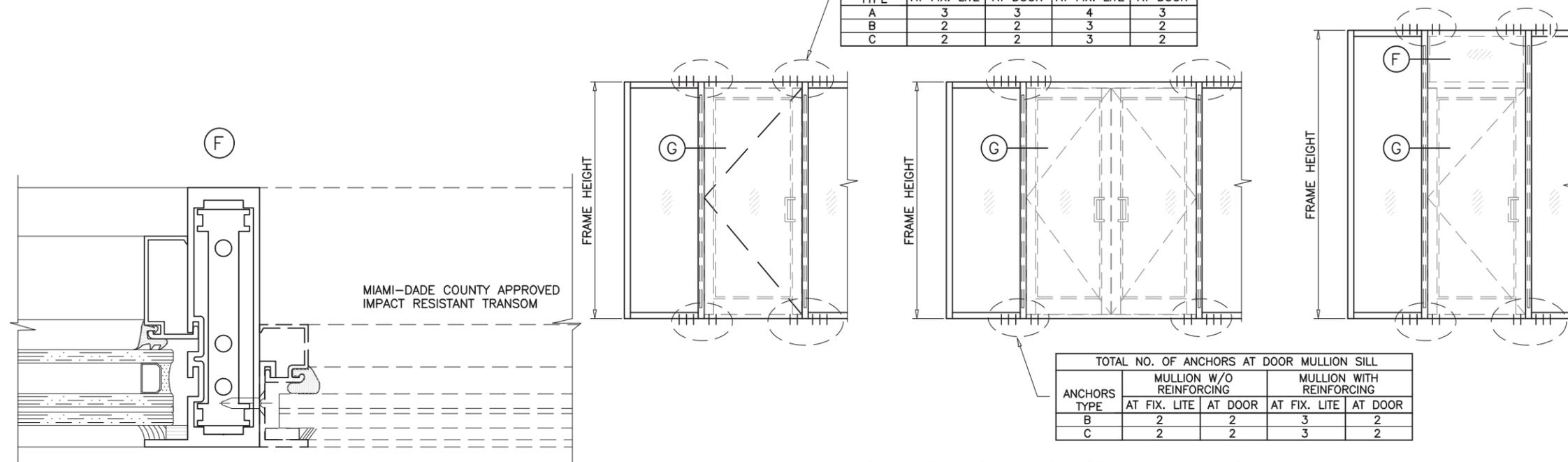
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**12 OF 13**

DWG: AD11-21

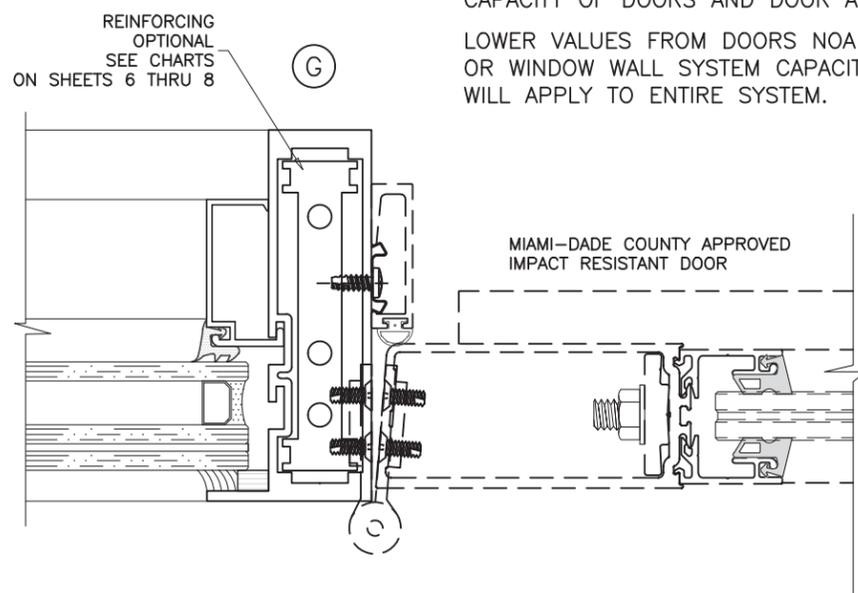
ANCHORS TYPE	MULLION W/O REINFORCING		MULLION WITH REINFORCING	
	AT FIX. LITE	AT DOOR	AT FIX. LITE	AT DOOR
A	3	3	4	3
B	2	2	3	2
C	2	2	3	2



ANCHORS TYPE	MULLION W/O REINFORCING		MULLION WITH REINFORCING	
	AT FIX. LITE	AT DOOR	AT FIX. LITE	AT DOOR
B	2	2	3	2
C	2	2	3	2

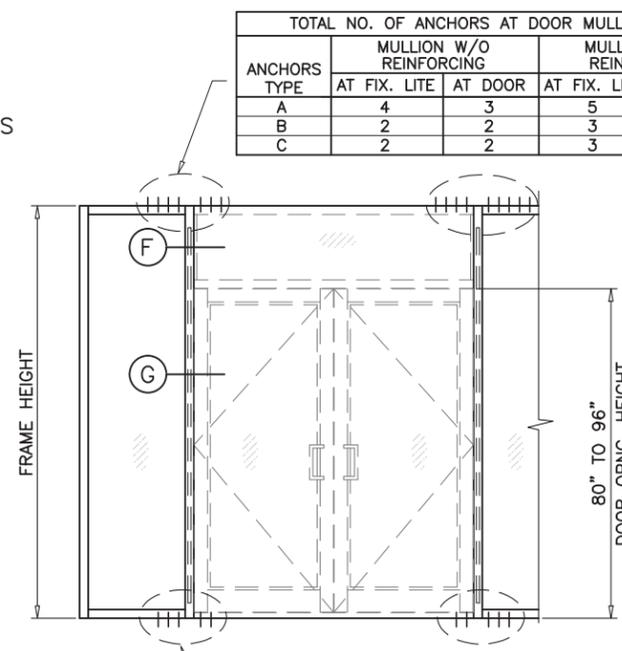
CHARTS SHOWN ABOVE APPLY TO ABOVE CASES ONLY.

ANCHORS TYPE	MULLION W/O REINFORCING		MULLION WITH REINFORCING	
	AT FIX. LITE	AT DOOR	AT FIX. LITE	AT DOOR
A	4	3	5	4
B	2	2	3	3
C	2	2	3	3

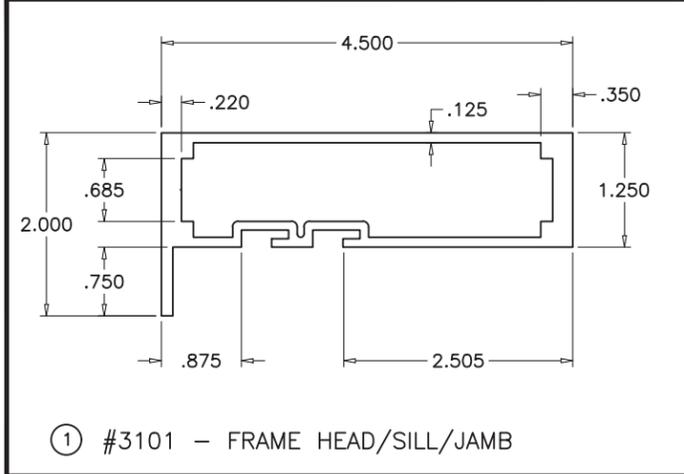


SEE SEPARATE NOA FOR DESIGN LOAD CAPACITY OF DOORS AND DOOR ANCHORS.

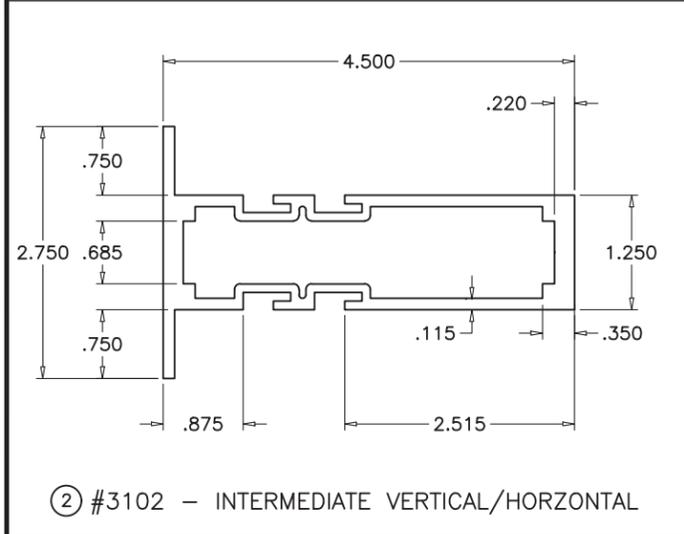
LOWER VALUES FROM DOORS NOA OR WINDOW WALL SYSTEM CAPACITY CHARTS WILL APPLY TO ENTIRE SYSTEM.



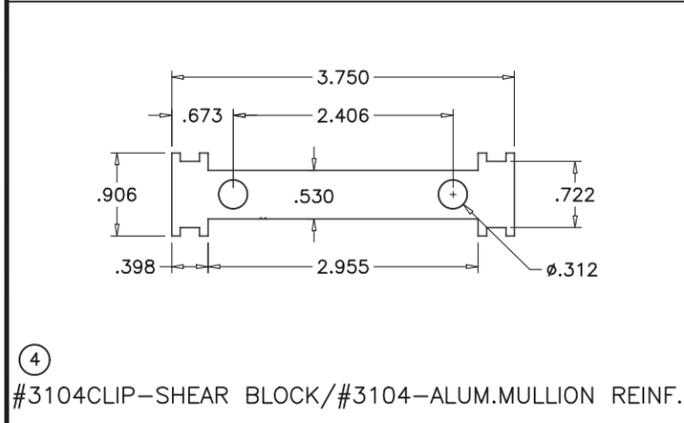
ANCHORS TYPE	MULLION W/O REINFORCING		MULLION WITH REINFORCING	
	AT FIX. LITE	AT DOOR	AT FIX. LITE	AT DOOR
B	2	2	3	2
C	2	2	3	2



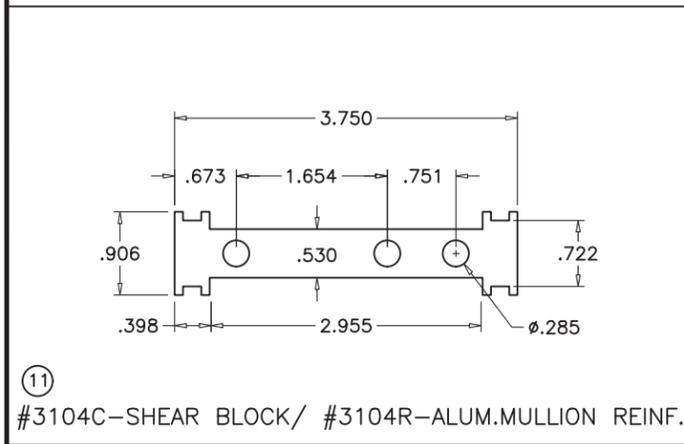
① #3101 - FRAME HEAD/SILL/JAMB



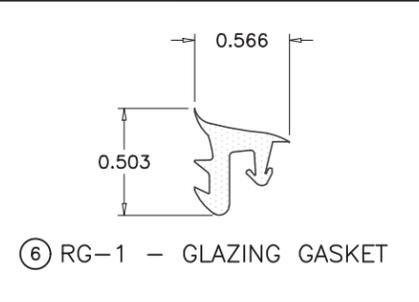
② #3102 - INTERMEDIATE VERTICAL/HORIZONTAL



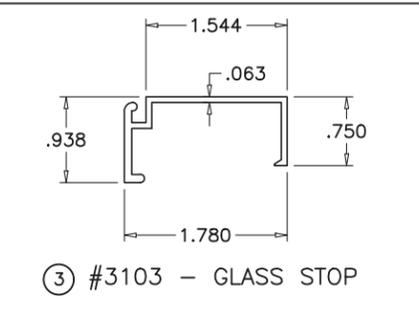
④ #3104CLIP-SHEAR BLOCK/#3104-ALUM.MULLION REINF.



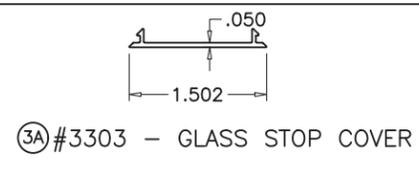
⑪ #3104C-SHEAR BLOCK/ #3104R-ALUM.MULLION REINF.



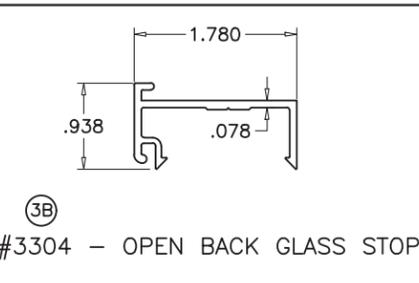
⑥ RG-1 - GLAZING GASKET



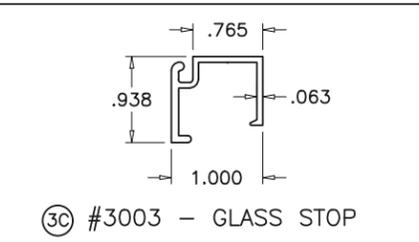
③ #3103 - GLASS STOP



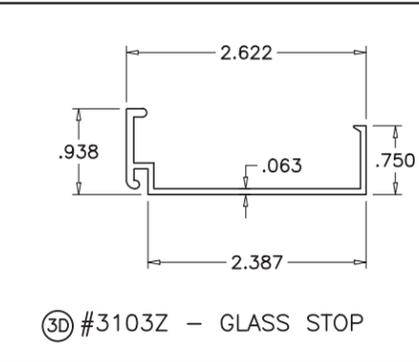
③A #3303 - GLASS STOP COVER



③B #3304 - OPEN BACK GLASS STOP

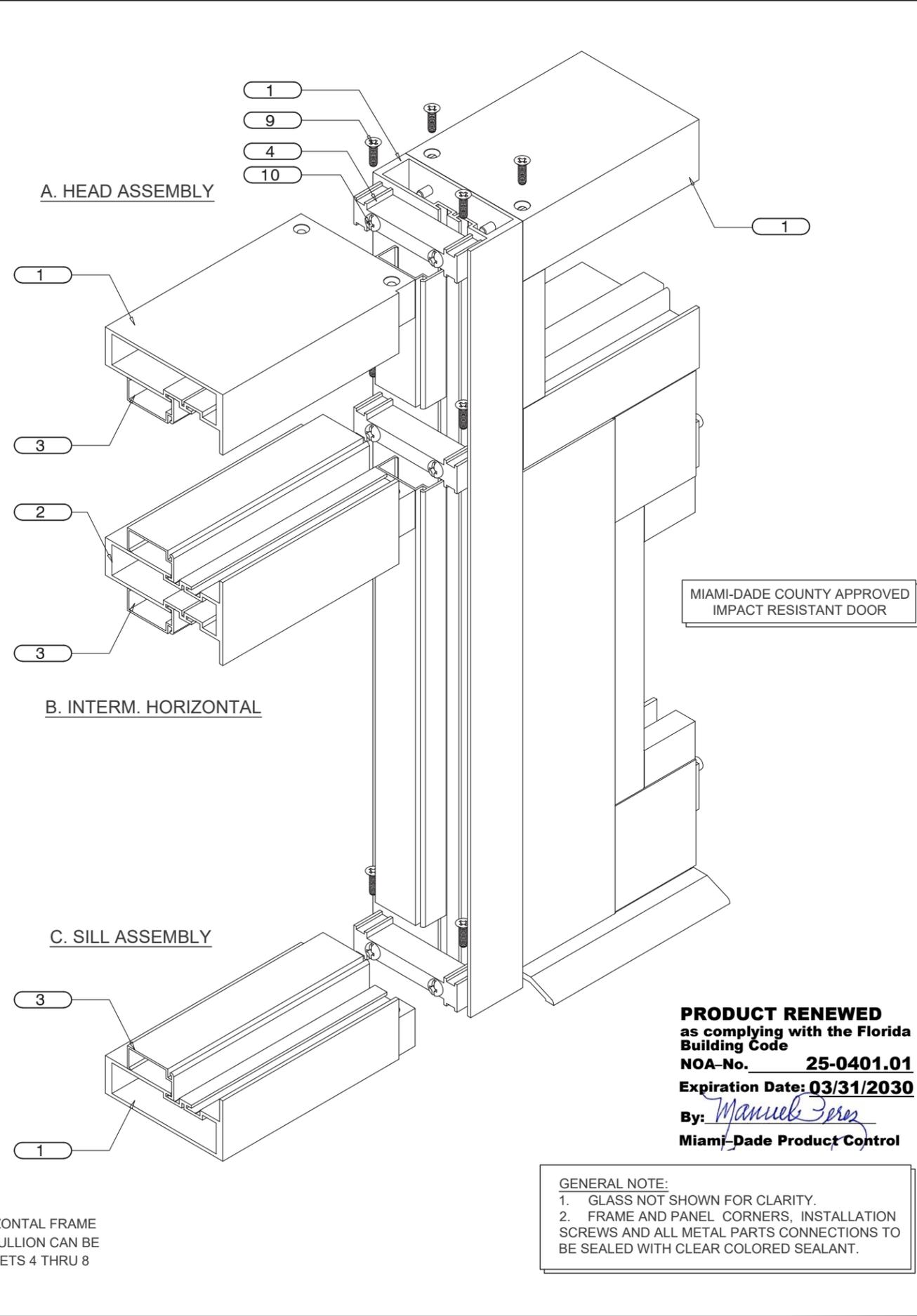


③C #3003 - GLASS STOP



③D #3103Z - GLASS STOP

NOTE:  
DETAIL ABOVE SHOWS CONNECTION OF HORIZONTAL FRAME MEMBERS TO VERTICAL FRAMES. JAMB AND MULLION CAN BE WITH OR WITHOUT REINFORCEMENT. SEE SHEETS 4 THRU 8 FOR OPTIONS.



A. HEAD ASSEMBLY

B. INTERM. HORIZONTAL

C. SILL ASSEMBLY

MIAMI-DADE COUNTY APPROVED  
IMPACT RESISTANT DOOR

**PRODUCT RENEWED**  
as complying with the Florida Building Code  
NOA-No. **25-0401.01**  
Expiration Date: **03/31/2030**  
By: *Manuel Perez*  
Miami-Dade Product Control

GENERAL NOTE:  
1. GLASS NOT SHOWN FOR CLARITY.  
2. FRAME AND PANEL CORNERS, INSTALLATION SCREWS AND ALL METAL PARTS CONNECTIONS TO BE SEALED WITH CLEAR COLORED SEALANT.

**Trulite**  
GLASS & ALUMINUM SOLUTIONS™  
http://www.trulite.com  
403 WESTPARK COURT, Suite 201  
PEACHTREE CITY, GA 30269  
p. 800-432-8132

PRODUCT:  
**Resistor**  
**3100 ALUMINUM**  
STOREFRONT WALL-LMI  
**Resistor**  
PRODUCT SERIES

REV#	DATE/REMARKS
REV5	12.20.2023 UPDATE INTERLAYER

ENGINEER:  
**MCY ENGINEERING, INC.**  
GLAZING CONSULTANT  
12781 Miramar Parkway #301  
Miramar, FL 33027  
P: 305-271-0117  
Email: mcy@mcyengineering.com  
www.MCYEngineering.com

STAMP:  
YIANG WANG, P.E.  
FLORIDA REGISTRATION  
NO. 55983  
C.A.N. 28877  
STATE OF FLORIDA  
PROFESSIONAL ENGINEER  
December 20th, 2023

PRODUCT CONTROL APPROVAL:  
**PRODUCT REVISED**  
As complying with the Florida Building Code  
NOA-No. **23-1222.10**  
Expiration Date: **03/31/2025**  
By: *Manuel Perez*  
Miami-Dade Product Control

DRAWN: James	DRAWING No:
DATE: 12.20.2023	<b>13 OF 13</b>
DWG: AD11-21	