



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

MIAMI-DADE COUNTY
PRODUCT CONTROL SECTION
11805 SW 26 Street, Room 208
Miami, FL 33175
T (786) 315-2590 F (786) 315-2599
www.miamidade.gov/economy

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 "3300 Resistor Impact Wall Unitized" Aluminum Storefront/Window Wall System – L.M.I.

APPROVAL DOCUMENT: Drawing No. **AD14-03**, titled "Resistor 3300 Storefront Wall (Large and Small Missile Impact)", sheets 1 through 16 of 16, dated 09/23/21, with revision **8** dated 12/20/23, prepared by MCY Engineering, Inc., signed and sealed by Yiping Wang, P.E., bearing the Miami-Dade County Product Control Revision stamp with the Notice of Acceptance number and expiration date by the Miami-Dade County Product Control Section.

MISSILE IMPACT RATING: Large and Small Missile Impact Resistant.

LABELING: Each unit shall bear a permanent label with the manufacturer's name or logo, city, state, 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.

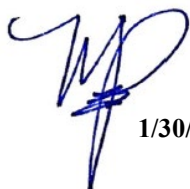
ADVERTISEMENT: The NOA number preceded by the words Miami-Dade County, Florida, and followed by the expiration date may be displayed in advertising literature. If any portion of the NOA is displayed, then it shall be done in its entirety.

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** NOA No. **21-1216.06** 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.**




1/30/24

NOA No. 23-1222.09
Expiration Date: July 23, 2025
Approval Date: February 08, 2024
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. 14-1124.01)
2. Drawing No. **AD14-03**, titled "Resistor 3300 Storefront Wall (Large and Small Missile Impact)", sheets 1 through 16 of 16, dated 09/29/14, with revision 7 dated 03/09/22, prepared by MCY Engineering, Inc., signed and sealed by Yiping Wang, P.E.
(Submitted under NOA No. 21-1216.06)

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. 21-1216.06)
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. **M7456.01-450-18 R0**, dated 09/22/21, signed and sealed by Vinu J. Abraham, P.E.
(Submitted under NOA No. 21-0930.06)
3. Test reports on: 1) Air Infiltration Test, per FBC, TAS 202-94
2) Uniform Static Air Pressure Test, Loading per FBC, TAS 202-94
along with marked-up drawings and installation diagram of an aluminum storefront system, prepared by Fenestration Testing Laboratory, Inc., Test Report No. **FTL-10149**, dated 08/06/18, signed and sealed by Idalmis Ortega, P.E.
(Submitted under NOA No. 20-0722.08)
4. Test reports on: 1) Large Missile Impact Test per FBC, TAS 201-94
2) Cyclic Wind Pressure Loading per FBC, TAS 203-94
along with marked-up drawings and installation diagram of an aluminum storefront system, prepared by Fenestration Testing Laboratory, Inc., Test Report No. **FTL-10441**, dated 07/12/18, signed and sealed by Idalmis Ortega, P.E.
(Submitted under NOA No. 20-0722.08)


Manuel Perez, P.E.
Product Control Examiner
NOA No. 23-1222.09
Expiration Date: July 23, 2025
Approval Date: February 08, 2024

Trulite Glass & Aluminum Solutions, LLC

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

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

B. TESTS (CONTINUED)

5. 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 3300 aluminum storefront system, prepared by Intertek, Inc., Test Report No. **K3692-01-450-18R0**, dated 12/11/19, signed and sealed by Vinu J. Abraham, P.E.
(Submitted under NOA No. 20-0722.08)
6. 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 storefront system, prepared by Fenestration Testing Laboratory, Inc., Test Report No. **FTL-7805**, dated 07/11/14, signed and sealed by Idalmis Ortega, P.E.
(Submitted under NOA No. 14-1124.01)

C. CALCULATIONS


1. Anchor verification calculations and structural analysis, complying with **FBC 7th Edition (2020)**, dated 07/08/2020, prepared by MCY Engineering, Inc., signed and sealed by Yiping Wang, P.E.
(Submitted under NOA No. 20-0722.08)
2. Glazing complies with **ASTM E1300-16**

D. QUALITY ASSURANCE

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

E. MATERIAL CERTIFICATIONS

1. Notice of Acceptance No. **20-0915.19** issued to **Kuraray America, Inc.** for their "**SentryGlas® (Clear and White) Glass Interlayers**" dated 11/19/20, expiring on 07/04/23.
2. Notice of Acceptance No. **20-0622.02** issued to **Eastman Chemical Company (MA)** for their "**Saflex HP Clear or Color Glass Interlayers**" dated 08/06/20, expiring on 04/14/23.
3. Notice of Acceptance No. **21-0216.01** issued to **Eastman Chemical Company (MA)** for their "**Saflex PVB Interlayers - Clear and Colored for Glass**" dated 04/29/21, expiring on 05/21/26.


Manuel Perez, P.E.
Product Control Examiner
NOA No. 23-1222.09
Expiration Date: July 23, 2025
Approval Date: February 08, 2024

Trulite Glass & Aluminum Solutions, LLC

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

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

E. MATERIAL CERTIFICATIONS (CONTINUED)


4. Notice of Acceptance No. **17-0724.06** issued to **Everlam, Inc.** for their “**Everlam PVB Clear Glass Interlayer**”, dated 07/05/18, expiring on 07/05/23.
5. Notice of Acceptance No. **20-0929.03** issued to **Everlam N.V.** for their “**Everlam Super Tough PVB Glass Interlayer**”, dated 04/29/21, expiring on 04/29/26.
6. Notice of Acceptance No. **21-0628.05** issued to **Everlam N.V.** for their “**Everlam LAM50 PVB Glass Interlayer**”, dated 10/07/21, expiring on 10/07/26.
7. TREMCO Part No. **WJT-7522/ 3 Dense EPDM Rubber Extrusions** complying with ASTM C864 Option II exceptions; ASTM D412 1856/ 2040 PSI; ASTM D395B 22 HRS 158°F, passed 17.6/ 19.0 %; ASTM D 624 196/ 200 lb/in.; ASTM D 2240 61/ 73 PT; ASTM D 573 70 HRS 158°F, 3/ 4 PT; ASTM D 1149 100 HRS 104°F passed; STM D 925 B passed and ASTM D 2137 Method A, passed.

F. STATEMENTS

1. Statement letter of conformance, complying with **FBC 7th Edition (2020)** and of no financial interest, dated March 10, 2022, issued by MCY Engineering, Inc., signed and sealed by Yiping Wang, P.E.
(Submitted under NOA No. 21-1216.06)
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. 20-0930.06)
3. Laboratory compliance letter for Test Report No. **FTL-7805**, issued by Fenestration Testing Laboratory, Inc., dated 07/11/14, signed and sealed by Idalmis Ortega, P.E.
(Submitted under NOA No. 14-1124.01)
4. Proposal No. **14-0036** issued by the Product Control Section, dated 03/06/14, signed by Manuel Perez, P.E.
(Submitted under NOA No. 14-1124.01)

G. OTHERS

1. Notice of Acceptance No. **21-0930.06** issued to Trulite Glass & Aluminum Solutions, LLC for their Series “3300 Resistor Impact Wall Unitized” Aluminum Storefront / Window Wall System - L.M.I., approved on 10/28/21 and expiring on 07/23/25.


Manuel Perez, P.E.
Product Control Examiner
NOA No. 23-1222.09
Expiration Date: July 23, 2025
Approval Date: February 08, 2024

Trulite Glass & Aluminum Solutions, LLC

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

2. NEW EVIDENCE SUBMITTED

A. DRAWINGS

1. Drawing No. **AD14-03**, titled “Resistor 3300 Storefront Wall (Large and Small Missile Impact)”, sheets 1 through 16 of 16, dated 09/29/14, with revision **8** dated 12/20/23, prepared by MCY Engineering, Inc., signed and sealed by Yiping Wang, P.E.

B. TESTS

1. None.

C. CALCULATIONS

1. None.

D. QUALITY ASSURANCE

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

E. MATERIAL CERTIFICATIONS


1. Notice of Acceptance No. **23-0717.30** issued to **Kuraray America, Inc.** for their “**SentryGlas® (Clear and White) Glass Interlayers**” dated 08/31/23, expiring on 07/04/28.
2. Notice of Acceptance No. **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. **17-0724.06** issued to **Everlam, Inc.** for their “**Everlam PVB Clear Glass Interlayer**”, dated 07/05/18, expiring on 07/05/23.
5. 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.
6. 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.

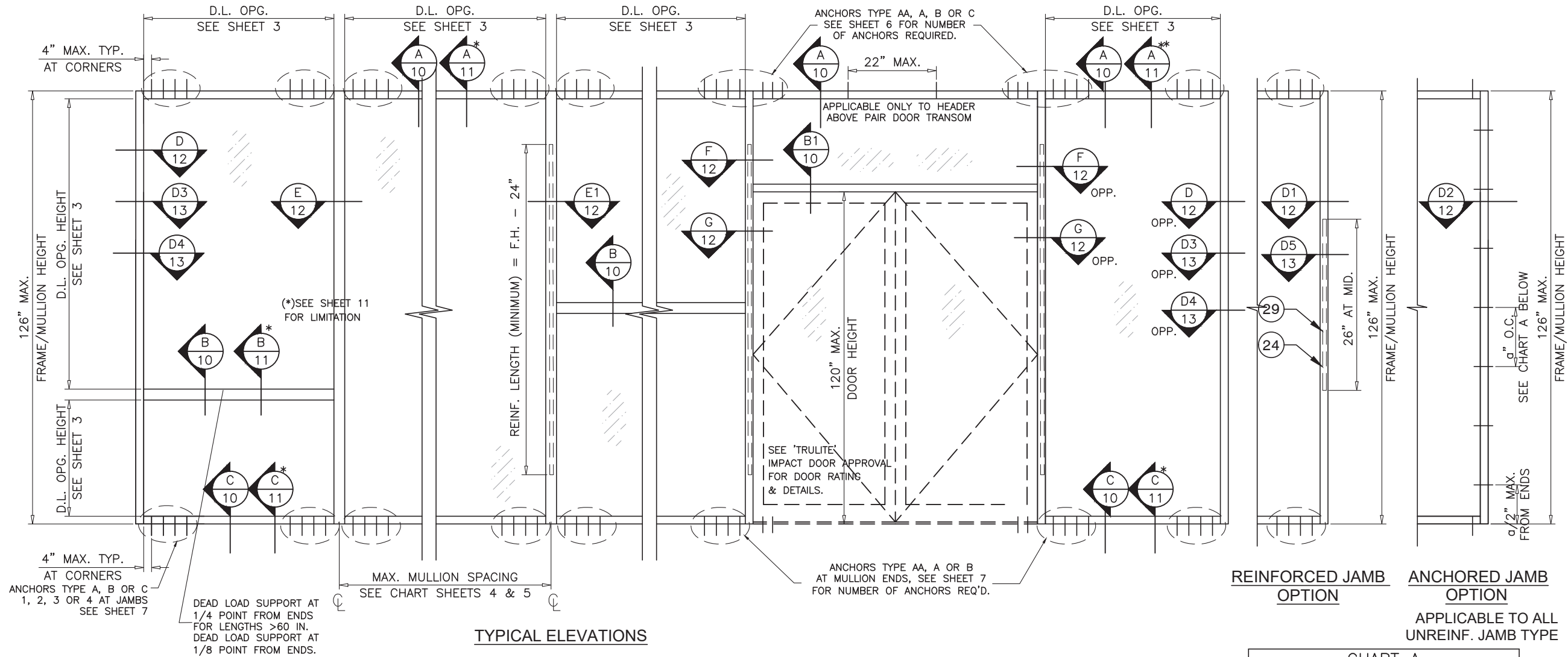
F. STATEMENTS

1. Statement letter of conformance, complying with **FBC 8th Edition (2023)** and of no financial interest, dated December 20, 2023, issued by MCY Engineering, Inc., signed and sealed by Yiping Wang, P.E.

G. OTHERS

1. Notice of Acceptance No. **21-1216.06** issued to Trulite Glass & Aluminum Solutions, LLC for their Series “3300 Resistor Impact Wall Unitized” Aluminum Storefront / Window Wall System - L.M.I., approved on 03/24/22 and expiring on 07/23/25.


Manuel Perez, P.E.
Product Control Examiner
NOA No. 23-1222.09
Expiration Date: July 23, 2025
Approval Date: February 08, 2024



SERIES 3300 ALUMINUM STOREFRONT SYSTEM

- STOREFRONT 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 FLORIDA BUILDING CODE 8TH EDITION (2023).
- 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 THE FLORIDA BUILDING CODE 8TH EDITION (2023).
- ULTIMATE LOAD OBTAINED FROM ASCE 7-22, MULTIPLY BY 0.6 SHALL BE LESS THAN OR EQUAL TO MAX. DESIGN LOAD IN THIS DOCUMENT. THE DESIGN LOADS SHOWN IN THIS DOCUMENT ARE ALLOWABLE DESIGN LOADS.
- MANUFACTURER'S LABEL SHALL BE LOCATED ON A READILY VISIBLE LOCATION IN ACCORDANCE WITH SECTION 1709.9.3 OF FLORIDA BUILDING CODE LABELING TO COMPLY WITH SECTION 1709.9.2.

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 3 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 4 THRU 6. THE CAPACITY SHOULD EXCEED THE DESIGN LOAD.
- STEP 4:** USING CHART ON SHEETS 7, 8 & 9 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.

REINFORCED JAMB OPTION **ANCHORED JAMB OPTION**

APPLICABLE TO ALL UNREINF. JAMB TYPE

CHART A		
ANCHOR TYPE	ANCHOR SPACING "a"	
	1/4" MAX. SHIM	3/8" MAX. SHIM
AA, A, D	12"	12"
B	14"	14"
C	14"	6"

(APPLICABLE TO MAXIMUM HEIGHT, MAXIMUM SPACING AND MAXIMUM PRESSURE)



<http://www.trulite.com>

403 WESTPARK CT. SUITE 201
PEACHTREE CITY, GA 30269
p. 800-432-8132 | f. 954-724-2083

PRODUCT:

Resistor
3300 ALUMINUM
STOREFRONT WALL
(LARGE AND SMALL
MISSILE IMPACT)



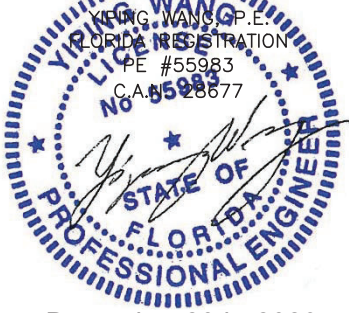
REVN	DATE/REMARKS
REV. 8	12.20.2023 / FBC 2023

ENGINEER:



MCY ENGINEERING, INC.
GLAZING CONSULTANT
12781 MIRAMAR PKWY. STE. 301
MIRAMAR, FL. 33027
P: 305-271-0117 F: 305-573-5063
Email: MCY@mcyengineering.com
www.MCYEngineering.com

STAMP:

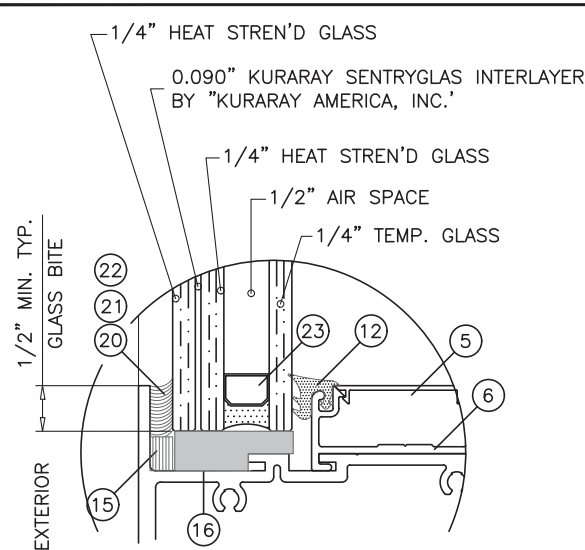


December 20th, 2023

PRODUCT CONTROL APPROVAL:

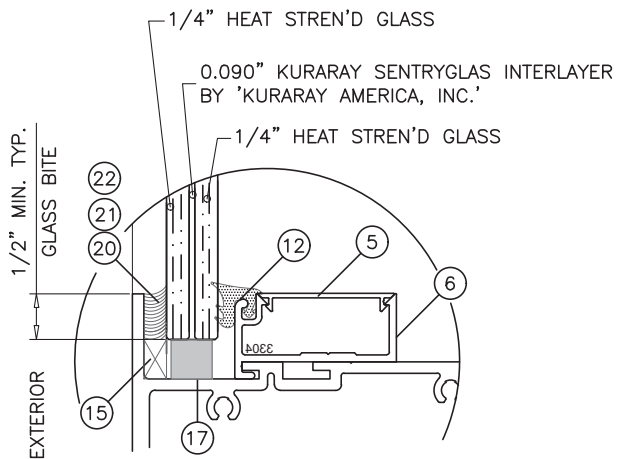
PRODUCT REVISED
As complying with the Florida Building Code
NOA-No. 23-1222.09
Expiration Date: 07/23/2025
By: Manuel Perez
Miami-Dade Product Control

DRAWN: James	DRAWING No:
DATE: 12.20.2023	1 OF 16
DWG: AD14-03	



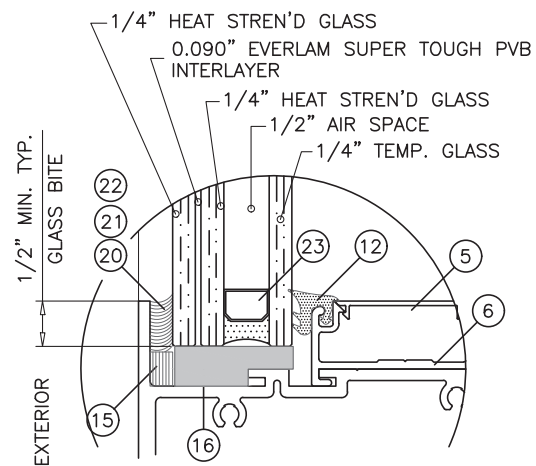
GLASS TYPE 'G1'

1-5/16" NOMINAL OVERALL



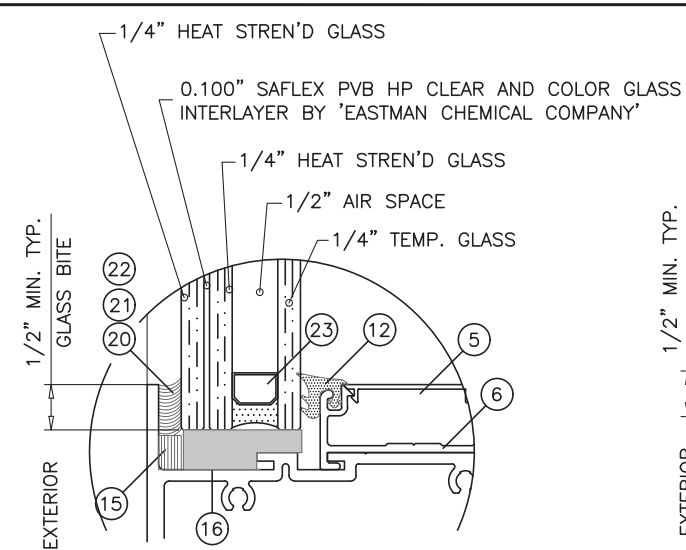
GLASS TYPE 'G4'

9/16" NOMINAL OVERALL



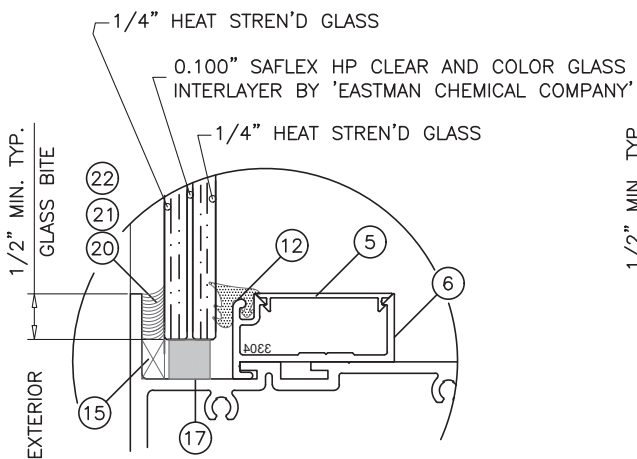
GLASS TYPE 'G9'

1-5/16" NOMINAL OVERALL



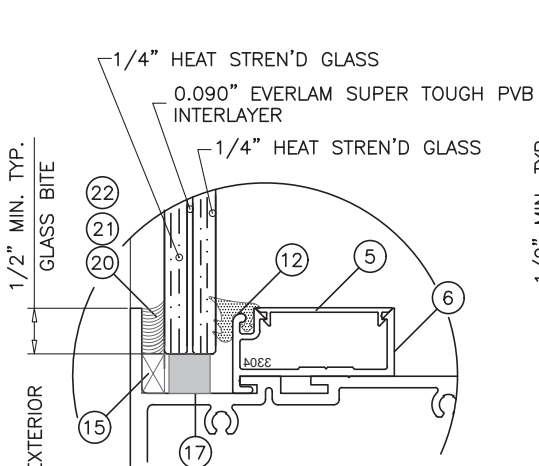
GLASS TYPE 'G2'

1-5/16" NOMINAL OVERALL



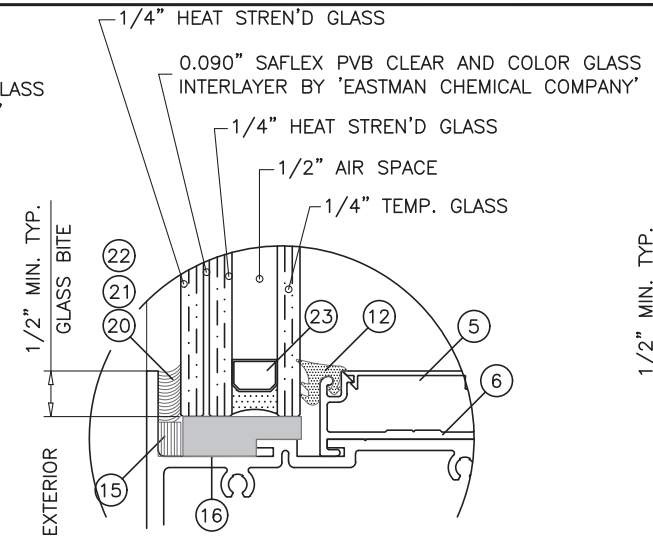
GLASS TYPE 'G5'

9/16" NOMINAL OVERALL



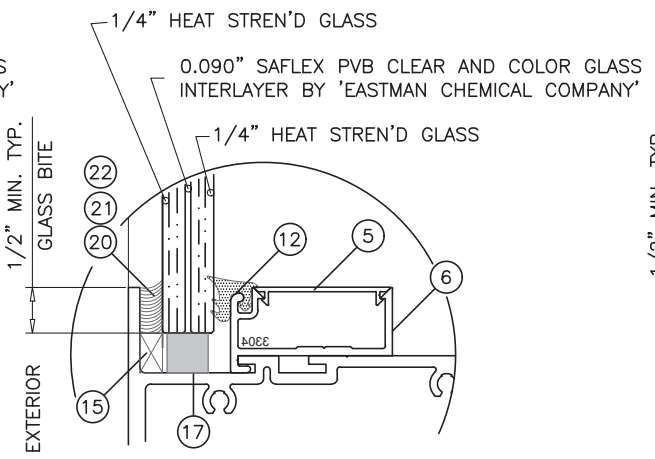
GLASS TYPE 'G10'

9/16" NOMINAL OVERALL



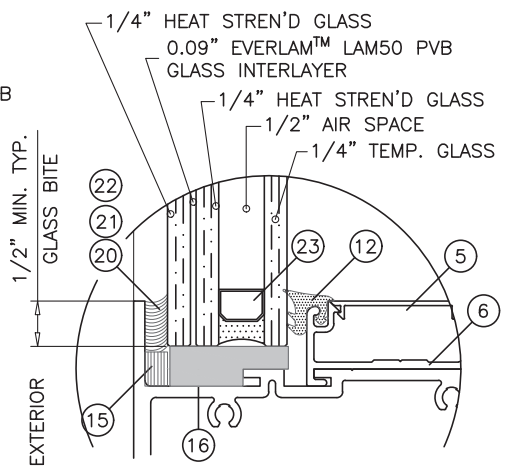
GLASS TYPE 'G3'

1-5/16" NOMINAL OVERALL



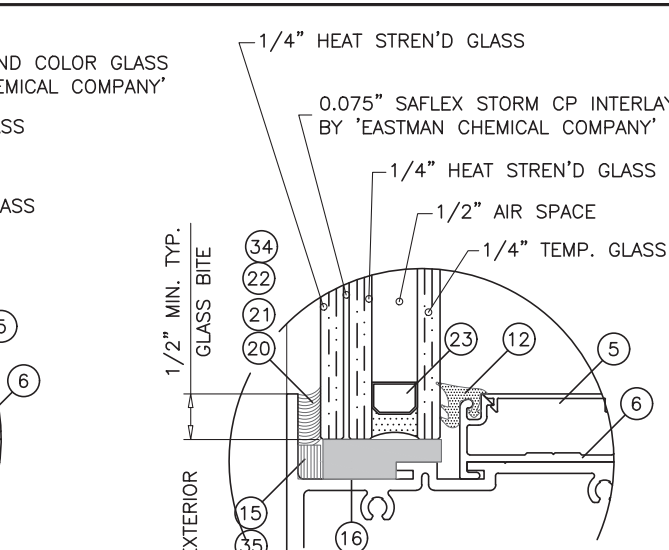
GLASS TYPE 'G6'

9/16" NOMINAL OVERALL



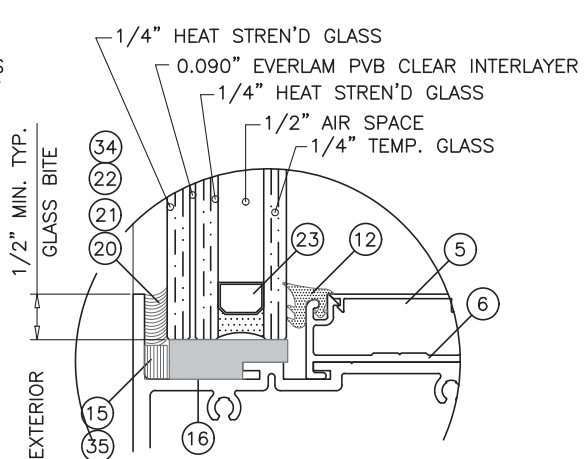
GLASS TYPE 'G11'

1-5/16" NOMINAL OVERALL



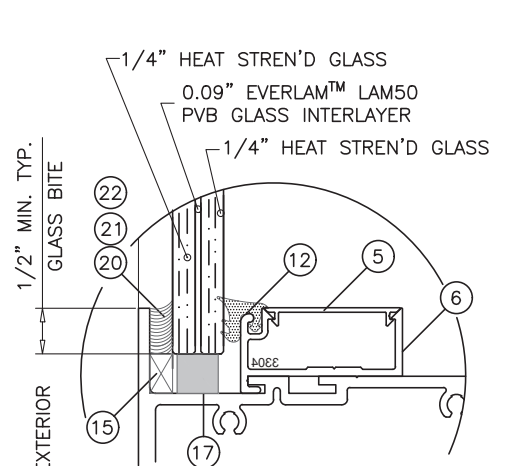
GLASS TYPE 'G7'

1-5/16" NOMINAL OVERALL



GLASS TYPE 'G8'

1-5/16" NOMINAL OVERALL



GLASS TYPE 'G12'

9/16" NOMINAL OVERALL

SILICONE OPTIONS:

- (20) - DOWSIL 995
- (21) - TREMCO PROGLAZE SSG
- (22) - SIKA SIKASIL SG-10
- (34) - DOWSIL 983

GLAZING OPTION

SEE SHEET 3 FOR D.L.O. WIDTHS AND HEIGHTS. V.S. DESIGN LOADS.



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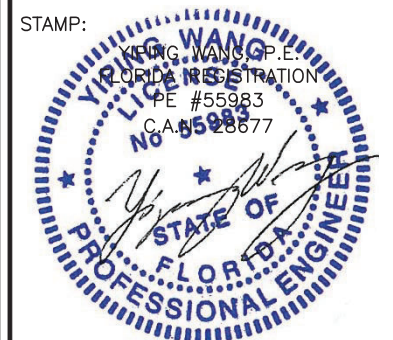
PRODUCT:
Resistor
3300 ALUMINUM
STOREFRONT WALL
(LARGE AND SMALL
MISSILE IMPACT)



REVN	DATE/REMARKS
REV. 8	12.20.2023 / FBC 2023

ENGINEER:

MCY ENGINEERING, INC.
GLAZING CONSULTANT
12781 MIRAMAR PKWY. STE. 301
MIRAMAR, FL. 33027
P: 305-271-0117 F: 305-573-5063
Email: MCY@mcyengineering.com
www.MCYEngineering.com



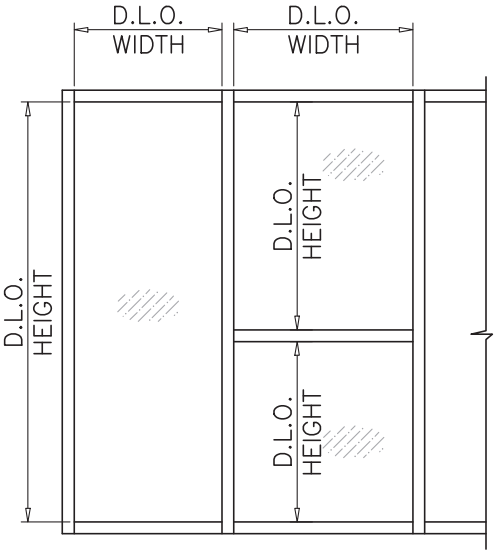
December 20th, 2023
PRODUCT CONTROL APPROVAL:
PRODUCT REVISED
As complying with the Florida
Building Code
NOA-No. **23-1222.09**
Expiration Date: **07/23/2025**
By: *Manuel Perez*
Miami-Dade Product Control

DRAWN: James	DRAWING No:
DATE: 12.20.2023	2 OF 16
DWG: AD14-03	

GLASS LOAD CAPACITY – PSF								
NOMINAL DIMS. (IN)		GLASS TYPES						
		G1	G2&G3	G4,G5&G6	G7	G8	G9&G10	G11&G12
D.L.O. WIDTH	D.L.O. HEIGHT	EXT.(+) INT.(–)	EXT.(+) INT.(–)	EXT.(+) INT.(–)	EXT.(+) INT.(–)	EXT.(+) INT.(–)	EXT.(+) INT.(–)	EXT.(+) INT.(–)
26.75”	67”	94.0	75.0	80.0	85.0	65.0	+70/–85	+65/–75
32.75”		94.0	75.0	80.0	85.0	65.0	+70/–85	+65/–75
38.75”		94.0	75.0	80.0	85.0	65.0	+70/–85	+65/–75
44.75”		94.0	75.0	80.0	85.0	65.0	+70/–85	+65/–75
50.75”		94.0	75.0	80.0	85.0	65.0	+70/–85	+65/–75
56.75”		94.0	–	80.0	85.0	65.0	+70/–85	–
62.75”		94.0	–	80.0	85.0	–	–	–
68.75”		94.0	–	80.0	85.0	–	–	–
72.75”		94.0	–	80.0	85.0	–	–	–
74.75”		94.0	–	80.0	85.0	–	–	–
26.75”	73”	94.0	75.0	80.0	85.0	65.0	+70/–85	+65/–75
32.75”		94.0	75.0	80.0	85.0	65.0	+70/–85	+65/–75
38.75”		94.0	75.0	80.0	85.0	65.0	+70/–85	+65/–75
44.75”		94.0	75.0	80.0	85.0	65.0	+70/–85	+65/–75
50.75”		94.0	75.0	80.0	85.0	65.0	+70/–85	–
56.75”		94.0	–	80.0	85.0	65.0	+70/–85	–
62.75”		94.0	–	80.0	85.0	–	–	–
68.75”		94.0	–	80.0	85.0	–	–	–
72”		94.0	–	80.0	–	–	–	–
26.75”	79”	94.0	75.0	80.0	85.0	65.0	+70/–85	+65/–75
32.75”		94.0	75.0	80.0	85.0	65.0	+70/–85	+65/–75
38.75”		94.0	75.0	80.0	85.0	65.0	+70/–85	+65/–75
44.75”		94.0	75.0	80.0	85.0	65.0	+70/–85	+65/–75
50.75”		94.0	–	80.0	85.0	65.0	+70/–85	–
56.75”		94.0	–	80.0	85.0	–	–	–
62.75”		94.0	–	80.0	85.0	–	–	–
68.75”		94.0	–	–	–	–	–	–
26.75”	85”	94.0	75.0	80.0	85.0	65.0	+70/–85	+65/–75
32.75”		94.0	75.0	80.0	85.0	65.0	+70/–85	+65/–75
38.75”		94.0	75.0	80.0	85.0	65.0	+70/–85	+65/–75
44.75”		94.0	–	80.0	85.0	65.0	+70/–85	–
50.75”		94.0	–	80.0	85.0	–	–	–
56.75”		94.0	–	80.0	85.0	–	–	–
62.75”		94.0	–	–	–	–	–	–
63.5”		94.0	–	–	–	–	–	–
26.75”	92”	94.0	75.0	80.0	85.0	65.0	+70/–85	+65/–75
32.75”		94.0	75.0	80.0	85.0	65.0	+70/–85	+65/–75
38.75”		94.0	75.0	80.0	85.0	65.0	+70/–85	+65/–75
39.25”		94.0	–	80.0	85.0	65.0	+70/–85	+65/–75
45.25”		94.0	–	80.0	85.0	65.0	+70/–85	–
50.75”		94.0	–	80.0	85.0	–	–	–
56.75”		94.0	–	80.0	85.0	–	–	–
60”		94.0	–	–	–	–	–	–

GLASS LOAD CAPACITY – PSF								
NOMINAL DIMS. (IN)		GLASS TYPES						
		G1	G2&G3	G4,G5&G6	G7	G8	G9&G10	G11&G12
D.L.O. WIDTH	D.L.O. HEIGHT	EXT.(+) INT.(–)	EXT.(+) INT.(–)	EXT.(+) INT.(–)	EXT.(+) INT.(–)	EXT.(+) INT.(–)	EXT.(+) INT.(–)	EXT.(+) INT.(–)
26.75”	97”	94.0	75.0	80.0	85.0	65.0	+70/–85	+65/–75
32.75”		94.0	75.0	80.0	85.0	65.0	+70/–85	+65/–75
38.75”		94.0	–	80.0	85.0	65.0	+70/–85	–
44.75”		94.0	–	80.0	85.0	–	–	–
50.75”		94.0	–	80.0		–	–	–
56”		94.0	–	–	–	–	–	–
26.75”	103”	94.0	75.0	80.0	85.0	65.0	+70/–85	+65/–75
32.75”		94.0	75.0	80.0	85.0	65.0	+70/–85	+65/–75
38.75”		94.0	–	80.0	85.0	65.0	+70/–85	–
44.75”		94.0	–	80.0	85.0	–	–	–
50.75”		94.0	–	80.0	–	–	–	–
53”		94.0	–	–	–	–	–	–
26.75”	109”	94.0	75.0	80.0	85.0	65.0	+70/–85	+65/–75
32.75”		94.0	75.0	80.0	85.0	65.0	+70/–85	+65/–75
38.75”		94.0	–	80.0	85.0	–	–	–
44.75”		94.0	–	80.0	85.0	–	–	–
50”		94.0	–	–	–	–	–	–
26.75”	115”	94.0	75.0	80.0	85.0	65.0	+70/–85	+65/–75
32.75”		94.0	–	80.0	85.0	65.0	+70/–85	–
38.75”		94.0	–	80.0	85.0	–	–	–
44.75”		94.0	–	80.0	85.0	–	–	–
47.5”	121”	94.0	–	–	–	–	–	–
26.75”		94.0	75.0	80.0	85.0	65.0	+70/–85	+65/–75
32.75”		94.0	–	80.0	85.0	65.0	+70/–85	–
38.75”		94.0	–	80.0	85.0	–	–	–
44.5”		94.0	–	–	–	–	–	–

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



STEP 2: GLASS LOAD TABLES



http://www.trulite.com

403 WESTPARK CT. SUITE 201
PEACHTREE CITY, GA 30269
p. 800-432-8132 | f. 954-724-2083

PRODUCT:
Resistor
3300 ALUMINUM
STOREFRONT WALL
(LARGE AND SMALL
MISSILE IMPACT)



REVN	DATE/REMARKS
REV. 8	12.20.2023 / FBC 2023

ENGINEER:

MCY ENGINEERING, INC.
GLAZING CONSULTANT
12781 MIRAMAR PKWY. STE. 301
MIRAMAR, FL. 33027
P: 305-271-0117 F: 305-573-5063
Email: MCY@mcyengineering.com
www.MCYEngineering.com

STAMP:

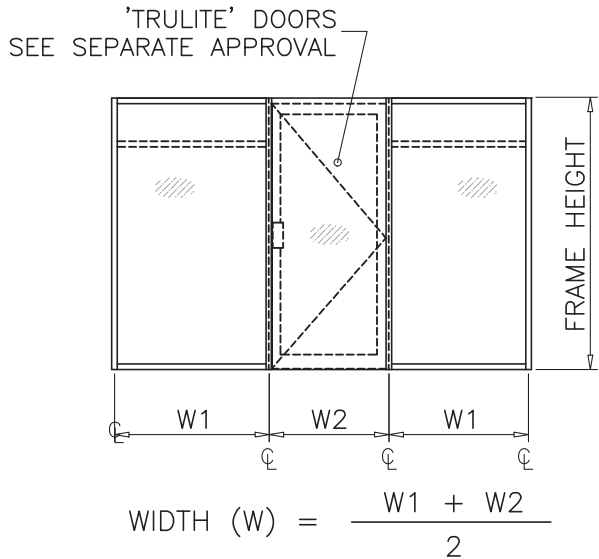
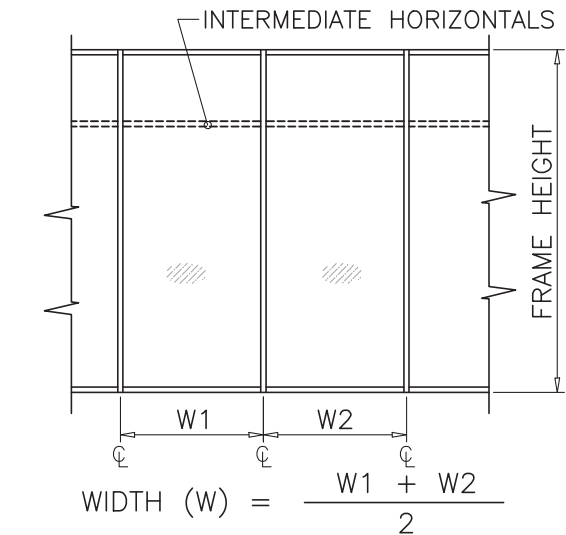
December 20th, 2023

PRODUCT CONTROL APPROVAL:
PRODUCT REVISED
As complying with the Florida Building Code
NOA-No. 23-1222.09
Expiration Date: 07/23/2025
By: Manuel Perez
Miami-Dade Product Control

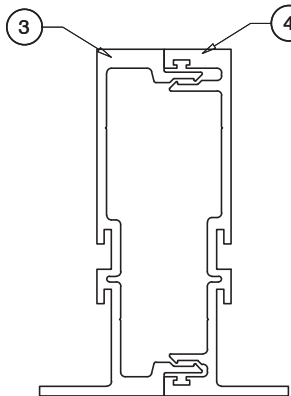
DRAWN: James	DRAWING No:
DATE: 12.20.2023	3 OF 16
DWG: AD14–03	

MULLION LOAD CAPACITY – PSF			
NOMINAL DIMS. (IN)		MULLION 'M1'	MULLION 'M2'
WIDTH (W)	FRAME HEIGHT	EXT. (+) INT. (-)	EXT. (+) INT. (-)
30"	72"	85.0	94.0
36"		85.0	94.0
42"		85.0	94.0
48"		85.0	94.0
54"		85.0	94.0
60"		85.0	94.0
66"		85.0	94.0
72"		85.0	94.0
30"	78"	85.0	94.0
36"		85.0	94.0
42"		85.0	94.0
48"		85.0	94.0
54"		85.0	94.0
60"		85.0	94.0
66"		85.0	94.0
72"		85.0	94.0
30"	84"	85.0	94.0
36"		85.0	94.0
42"		85.0	94.0
48"		85.0	94.0
54"		85.0	94.0
60"		85.0	94.0
66"		85.0	94.0
72"		–	94.0
30"	90"	85.0	94.0
36"		85.0	94.0
42"		85.0	94.0
48"		85.0	94.0
54"		85.0	94.0
60"		85.0	94.0
66"		–	94.0
72"		–	75.0
30"	96"	85.0	94.0
36"		85.0	94.0
42"		85.0	94.0
48"		85.0	94.0
54"		85.0	94.0
60"		79.6	94.0
66"		–	75.0
72"		–	75.0

MULLION LOAD CAPACITY – PSF		
NOMINAL DIMS. (IN)		MULLION 'M2'
WIDTH (W)	FRAME HEIGHT	EXT. (+) INT. (-)
30"	102"	94.0
36"		94.0
42"		94.0
48"		94.0
54"		94.0
60"		75.0
66"		75.0
72"		72.1
30"	108"	94.0
36"		94.0
42"		94.0
48"		94.0
54"		94.0
60"		75.0
66"		74.2
30"	114"	94.0
36"		94.0
42"		94.0
48"		94.0
54"		75.0
60"		75.0
66"		70.3
30"	120"	94.0
36"		94.0
42"		94.0
48"		90.4
54"		75.0
60"		73.5
30"	126"	94.0
36"		94.0
42"		94.0
48"		92.4
54"		75.0
60"		68.8

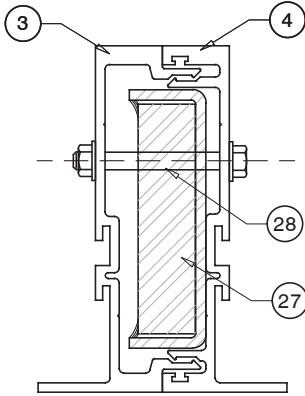


VERTICAL MULLION WITH OR WITHOUT INTERMEDIATE HORIZONTALS



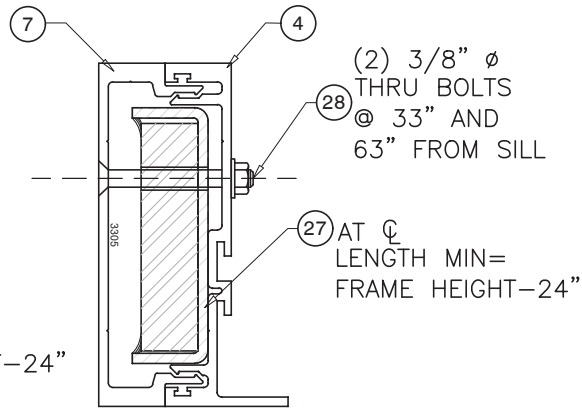
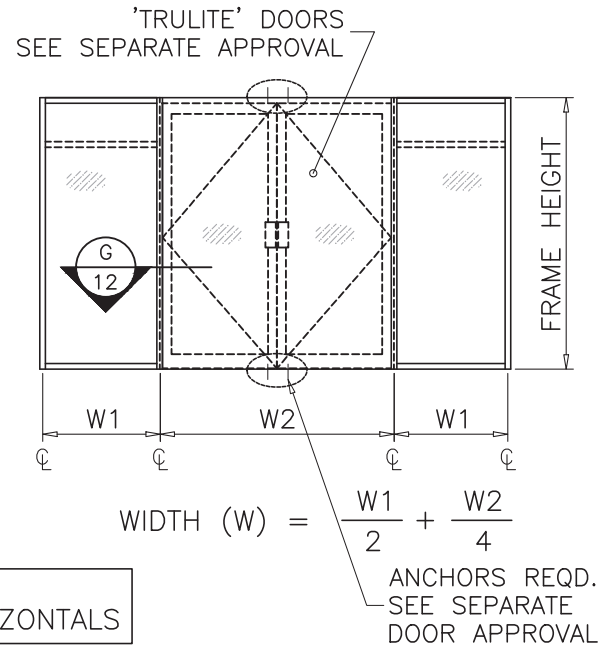
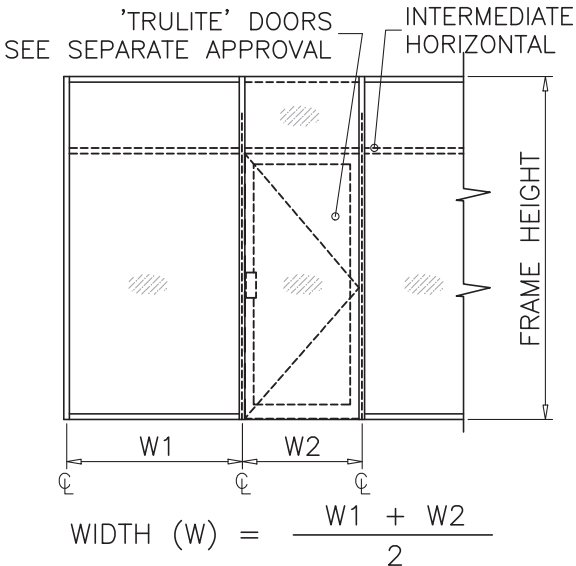
MULLION 'M1'

	Ix IN^4	Sx IN^3
ALUM	6.8747	2.8384



MULLION 'M2'
WITH STEEL REINF.

	Ix IN^4	Sx IN^3
ALUM	6.8747	2.8384
27 STL	2.6758 (IN ALUM.)	
	4.8938 (IN ALUM.)	
TOTAL	14.4443	–



DOOR MULLION "M2"
W/ STL REINF.

	Ix IN^4	Sx IN^3
ALUM	6.5248	2.7278
27 STL	2.6758 (IN ALUM.)	
	4.8938 (IN ALUM.)	
TOTAL	14.0944 (IN ALUM.)	

STEP 3: MULLION LOAD CAPACITIES



<http://www.trulite.com>

403 WESTPARK CT. SUITE 201
PEACHTREE CITY, GA 30269
p. 800-432-8132 | f. 954-724-2083

PRODUCT:

Resistor
3300 ALUMINUM
STOREFRONT WALL
(LARGE AND SMALL
MISSILE IMPACT)

Resistor
PRODUCT SERIES

REVN	DATE/REMARKS
REV. 8	12.20.2023 / FBC 2023

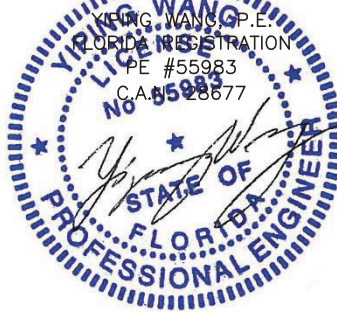
ENGINEER:

MCY ENGINEERING, INC.
GLAZING CONSULTANT

12781 MIRAMAR PKWY. STE. 301
MIRAMAR, FL. 33027

P: 305-271-0117 F: 305-573-5063
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. **23-1222.09**
Expiration Date: **07/23/2025**
By: *Manuel Perez*
Miami-Dade Product Control

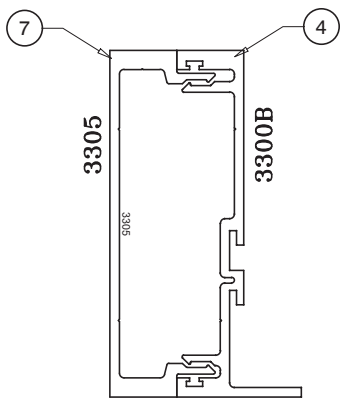
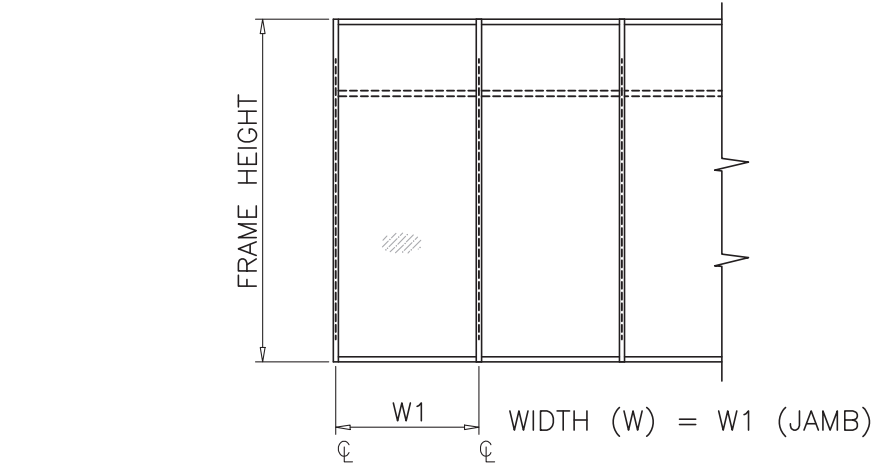
DRAWN: James	DRAWING No:
DATE: 12.20.2023	4 OF 16
DWG: AD14-03	

JAMB LOAD CAPACITY – PSF			
NOMINAL DIMS. (IN)		JAMB ‘J1’ ‘J2’, ‘J3’, ‘J4’	JAMB ‘J1R’ & ‘J2R’
WIDTH (W)	FRAME HEIGHT	EXT. (+) INT. (–)	EXT. (+) INT. (–)
30”	72”	85.0	94.0
36”		85.0	94.0
42”		85.0	94.0
48”		85.0	94.0
54”		85.0	94.0
60”		85.0	94.0
66”		85.0	94.0
72”		85.0	94.0
30”	78”	85.0	94.0
36”		85.0	94.0
42”		85.0	94.0
48”		85.0	94.0
54”		85.0	94.0
60”		85.0	94.0
66”		85.0	94.0
72”		85.0	94.0
30”	84”	85.0	94.0
36”		85.0	94.0
42”		85.0	94.0
48”		85.0	94.0
54”		85.0	94.0
60”		85.0	94.0
66”		85.0	94.0
72”		85.0	94.0
30”	90”	85.0	94.0
36”		85.0	94.0
42”		85.0	94.0
48”		85.0	94.0
54”		85.0	94.0
60”	96”	85.0	94.0
36”		85.0	94.0
42”		85.0	94.0
48”		85.0	94.0
54”		85.0	94.0
60”		85.0	94.0

* DESIGN LOAD FOR JAMB TYPE J2R WITH 60”LG STEEL CHANNEL REINFORCING.

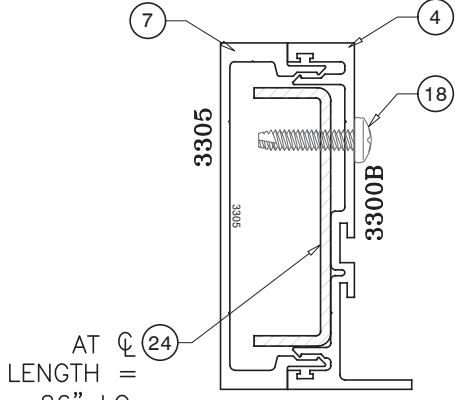
JAMB LOAD CAPACITY – PSF				
NOMINAL DIMS. (IN)		JAMB ‘J1’	JAMB ‘J1R’	JAMB‘J2R’
WIDTH (W)	FRAME HEIGHT	EXT. (+) INT. (–)	EXT. (+) INT. (–)	EXT. (+) INT. (–)
30”	102”	75.0	94.0	94.0
36”		75.0	94.0	94.0
42”		75.0	94.0	94.0
48”		75.0	94.0	94.0
54”		75.0	94.0	94.0
30”	108”	75.0	94.0	94.0
36”		75.0	94.0	94.0
42”		75.0	94.0	94.0
48”		75.0	94.0	94.0
54”		75.0	94.0	94.0
30”	114”	75.0	94.0	94.0
36”		75.0	94.0	94.0
42”		75.0	94.0	94.0
48”		75.0	94.0	94.0
54”		75.0	94.0	94.0
30”	120”	75.0	94.0	94.0
36”		75.0	94.0	94.0
42”		75.0	94.0	94.0
48”		68.0	94.0	94.0
54”		75.0	94.0	94.0
30”	126”	75.0	94.0	94.0
36”		75.0	94.0	94.0
42”		75.0	94.0	94.0
48”		75.0	94.0	87.0
54”		75.0	94.0	87.0

FOR ANCHORED JAMB OPTION
SEE SHEET 1 FOR SPACING.



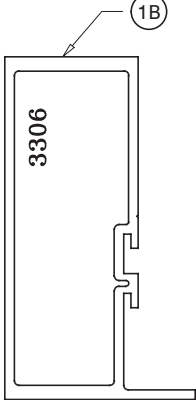
JAMB ‘J1’

	Ix IN^4	Sx IN^3
ALUM	6.5248	2.7278



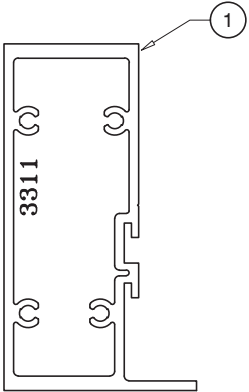
JAMB ‘J1R’
STEEL REINFORCED

	Ix IN^4	Sx IN^3
ALUM	6.5248	2.7278
24	2.6758 (IN ALUM.)	
TOTAL	9.2006	(IN ALUM.)



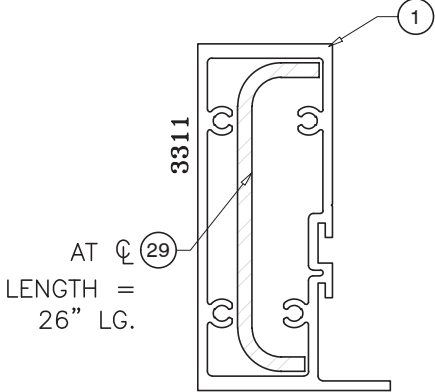
JAMB ‘J3’

	Ix IN^4	Sx IN^3
ALUMINUM	4.9365	2.0813



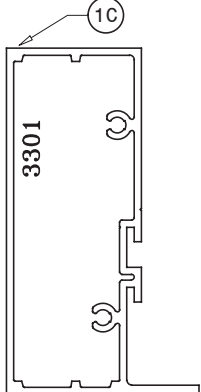
JAMB ‘J2’

	Ix IN^4	Sx IN^3
ALUM	5.3453	2.2678



JAMB ‘J2R’
STEEL REINFORCED

	Ix IN^4	Sx IN^3
ALUM	5.3453	2.2678
29	1.8848 (IN ALUM.)	0.9125
TOTAL	10.8112	(IN ALUM.)



JAMB ‘J4’

	Ix IN^4	Sx IN^3
ALUM	3.7334	1.5315

JAMB WITH OR WITHOUT
INTERMEDIATE HORIZONTALS

STEP 3: JAMB LOAD CAPACITIES



http://www.trulite.com

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PEACHTREE CITY, GA 30269
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PRODUCT:

Resistor
3300 ALUMINUM
STOREFRONT WALL
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REVN	DATE/REMARKS
REV. 8	12.20.2023 / FBC 2023

ENGINEER:



MCY ENGINEERING, INC.
GLAZING CONSULTANT

12781 MIRAMAR PKWY. STE. 301
MIRAMAR, FL. 33027

P: 305-271-0117 F: 305-573-5063
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. 23-1222.09
Expiration Date: 07/23/2025
By: Manuel Perez
Miami-Dade Product Control

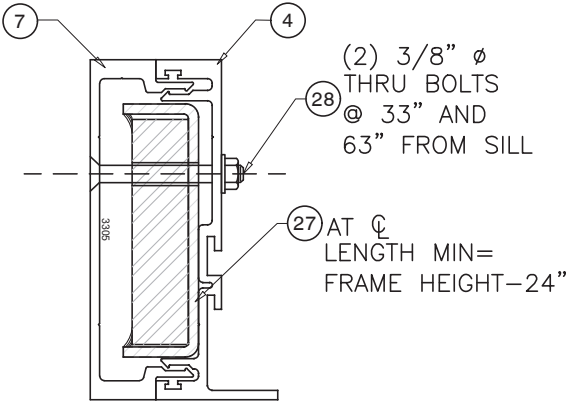
DRAWN: James	DRAWING No:
DATE: 12.20.2023	5 OF 16
DWG: AD14-03	

DOOR MULLION LOAD CAPACITY – PSF AT DOUBLE DOOR WITH TRANSOM				
NOMINAL DIMS. (IN)				WITH REINFORCING
WIDTH (W1)	WIDTH (W2)	LENGTH (A)	LENGTH (L)	EXT.(+) INT.(–)
72"	30"	84"	108"	75.0
	36"			75.0
	42"			75.0
	48"			75.0
	54"			75.0
	60"			75.0
84"	30"			75.0
	36"			75.0
	42"			75.0
	48"			74.0
	54"			71.0
	60"			67.0
96"	30"			75.0
	36"			75.0
	42"			71.0
	48"			68.0
72"	30"	84"	114"	75.0
	36"			75.0
	42"			75.0
	48"			75.0
	54"			74.0
	60"			70.0
84"	30"			75.0
	36"			75.0
	42"			75.0
	48"			71.0
	54"			68.0
	60"			67.0
96"	24"			75.0
	30"			75.0
	36"			72.0
	42"			69.0
72"	30"	84"	120"	75.0
	36"			75.0
	42"			72.0
	48"			68.0
	54"			67.0
	60"			67.0
84"	24"			75.0
	30"			75.0
	36"			72.0
	42"			68.0
96"	24"			75.0
	30"			73.0
	36"			69.0
72"	30"	84"	126"	75.0
	36"			75.0
	42"			75.0
	48"			75.0
	54"			72.0
	60"			68.0
84"	24"			75.0
	30"			75.0
	36"			73.0
	42"			69.0
96"	24"			73.0
	30"			70.0

DOOR MULLION LOAD CAPACITY – PSF AT DOUBLE DOOR WITH TRANSOM				
NOMINAL DIMS. (IN)				WITH REINFORCING
WIDTH (W1)	WIDTH (W2)	LENGTH (A)	LENGTH (L)	EXT.(+) INT.(–)
72"	30"	84"	114"	75.0
	36"			75.0
	42"			75.0
	48"			75.0
	54"			73.0
	60"			69.0
84"	30"			75.0
	36"			75.0
	42"			73.0
	48"			70.0
	54"			67.0
	60"			67.0
96"	24"			75.0
	30"			74.0
	36"			71.0
	42"			67.0
72"	30"	90"	120"	75.0
	36"			75.0
	42"			75.0
	48"			74.0
	54"			70.0
	60"			66.0
84"	30"			75.0
	36"			75.0
	42"			71.0
	48"			68.0
96"	24"			75.0
	30"			72.0
	36"			68.0
72"	30"	84"	126"	75.0
	36"			75.0
	42"			75.0
	48"			71.0
	54"			67.0
	60"			67.0
84"	30"			75.0
	36"			75.0
	42"			72.0
	48"			68.0
96"	24"			73.0
	30"			69.0

ANCHORS TYPE	SHIM SPACE	TOTAL NO. OF ANCHORS AT DOOR MULLION SILL	
		AT FIX. LITE	AT DOOR
AA	3/8"	4	2
A	1/4"	3	2
	3/8"	4	2
B	3/8"	3	2

DOOR MULLION LOAD CAPACITY – PSF AT DOUBLE DOOR WITH TRANSOM				
NOMINAL DIMS. (IN)				WITH REINFORCING
WIDTH (W1)	WIDTH (W2)	LENGTH (A)	LENGTH (L)	EXT.(+) INT.(–)
72"	30"	102"	126"	75.0
	36"			75.0
	42"			73.0
	48"			69.0
	54"			65.0
	60"			69.0
84"	24"			75.0
	30"			73.0
	36"			69.0
	42"			66.0
96"	24"			70.0
	42"			67.0

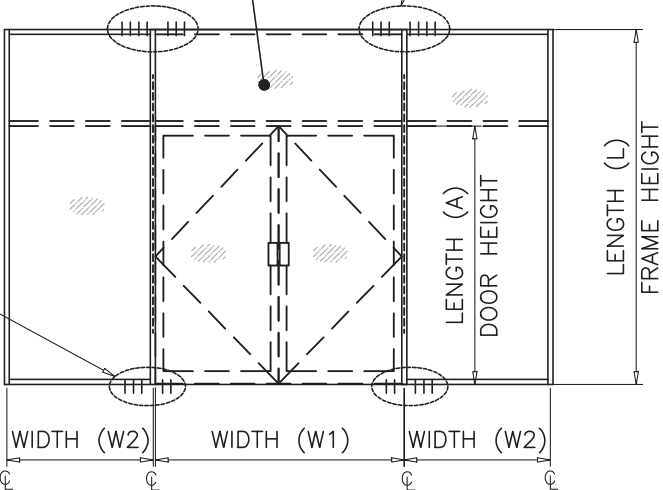


DOOR MULLION
W/ STL REINF.

	Ix IN ⁴	Sx IN ³
ALUM	6.5248	2.7278
	2.6758 (IN ALUM.)	
27 STL	4.8938 (IN ALUM.)	
TOTAL	14.0944 (IN ALUM.)	

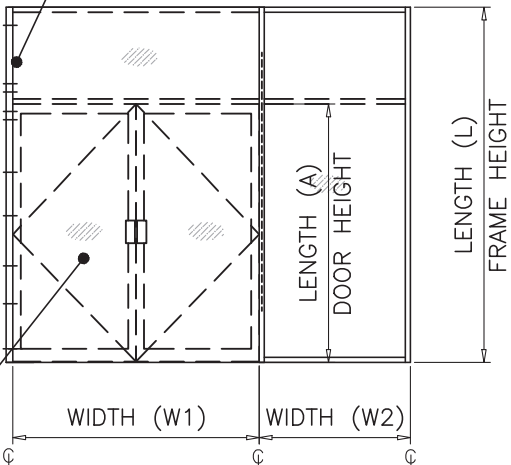
ANCHORS TYPE	SHIM SPACE	TOTAL NO. OF ANCHORS AT DOOR MULLION HEAD	
		AT FIX. LITE	AT DOOR
AA	3/8"	4	4
A	1/4"	3	3
	3/8"	4	4
B	3/8"	3	3
	1/4"	2	2
C	3/8"	6	6
	1/4"	2	2
D	3/8"	4	4

REFER TO SEPARATE
APPROVAL FOR
IMPACT DOOR



REFER TO SEPARATE
APPROVAL FOR
IMPACT DOOR

DOOR JAMB ANCHOR
REFER TO IMPACT
DOOR APPROVAL



STEP 3: DOOR JAMB MULLION
LOAD CAPACITIES



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PRODUCT:

Resistor
3300 ALUMINUM
STOREFRONT WALL
(LARGE AND SMALL
MISSILE IMPACT)

Resistor
PRODUCT SERIES

REVN	DATE/REMARKS
REV. 8	12.20.2023 / FBC 2023

ENGINEER:

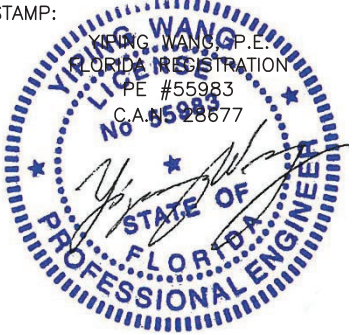


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Email: MCY@mcyengineering.com
www.MCYEngineering.com

STAMP:



December 20th, 2023

PRODUCT CONTROL APPROVAL:

PRODUCT REVISED
As complying with the Florida
Building Code
NOA-No. 23-1222.09
Expiration Date: 07/23/2025
By: Manuel Perez
Miami-Dade Product Control

DRAWN: James

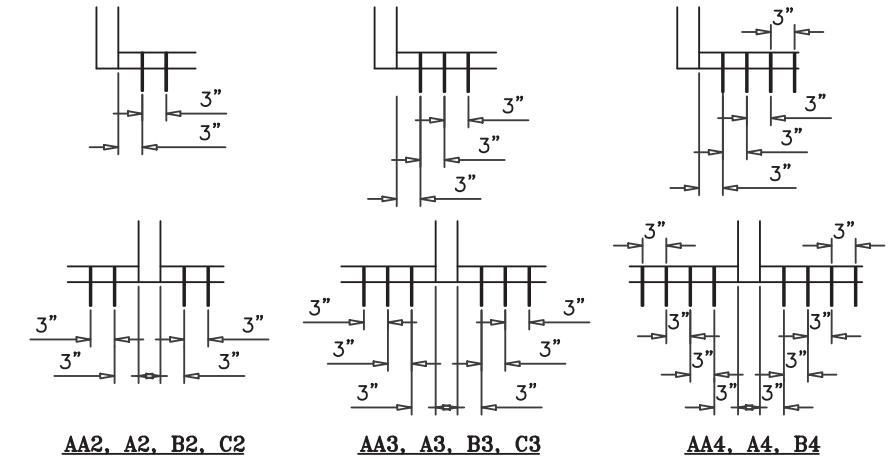
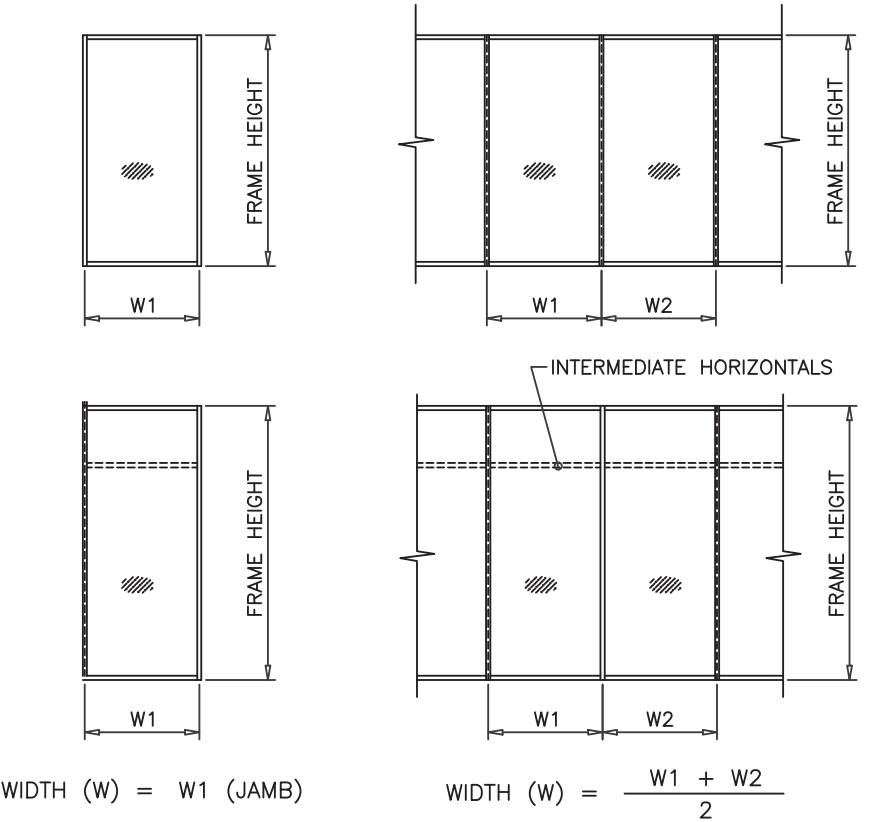
DATE: 12.20.2023

DWG: AD14-03

DRAWING No:

6 OF 16

ANCHOR LOAD CAPACITY – PSF EXT.(+) & INT.(–)																	
NOMINAL DIMS. (IN)		3/8" SHIM															
		ANCHORS TYPE 'AA'			ANCHORS TYPE 'A'			ANCHORS TYPE 'B'			ANCHORS TYPE 'C'			ANCHORS TYPE 'D'			
WIDTH (W)	FRAME HEIGHT	'AA2'	'AA3'	'AA4'	'A2'	'A3'	'A4'	'B2'	'B3'	'B4'	'C2'	'C3'	'C4'	'D2'	'D3'	'D4'	
30"	66"	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	89.6	94.0	94.0	94.0	94.0	94.0	
36"		94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	74.7	94.0	94.0	94.0	94.0	
42"		94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	64.0	94.0	94.0	94.0	94.0	
48"		90.5	94.0	94.0	90.5	94.0	94.0	94.0	94.0	94.0	94.0	56.0	84.0	94.0	90.5	94.0	94.0
54"		80.5	94.0	94.0	80.5	94.0	94.0	94.0	94.0	94.0	94.0	49.8	74.7	94.0	80.5	94.0	94.0
60"		72.4	94.0	94.0	72.4	94.0	94.0	94.0	94.0	94.0	94.0	44.8	67.2	89.6	72.4	94.0	94.0
66"		65.9	94.0	94.0	65.9	94.0	94.0	88.3	94.0	94.0	40.7	61.1	81.5	65.9	94.0	94.0	
72"		60.4	90.5	94.0	60.4	90.5	94.0	81.0	94.0	94.0	37.3	56.0	74.7	60.4	90.5	94.0	
30"	72"	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	82.1	94.0	94.0	94.0	94.0	94.0	
36"		94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	68.4	94.0	94.0	94.0	94.0	94.0	
42"		94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	58.7	88.0	94.0	94.0	94.0	94.0	
48"		83.0	94.0	94.0	83.0	94.0	94.0	94.0	94.0	94.0	51.3	77.0	94.0	83.0	94.0	94.0	
54"		73.8	94.0	94.0	73.8	94.0	94.0	94.0	94.0	94.0	45.6	68.4	91.3	73.8	94.0	94.0	
60"		66.4	94.0	94.0	66.4	94.0	94.0	89.1	94.0	94.0	41.1	61.6	82.1	66.4	94.0	94.0	
66"		60.4	90.5	94.0	60.4	90.5	94.0	81.0	94.0	94.0	37.3	56.0	74.7	60.4	90.5	94.0	
72"		55.3	83.0	94.0	55.3	83.0	94.0	74.2	94.0	94.0	34.2	51.3	68.4	55.3	83.0	94.0	
30"	78"	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	75.8	94.0	94.0	94.0	94.0	94.0	
36"		94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	63.2	94.0	94.0	94.0	94.0	94.0	
42"		87.6	94.0	94.0	87.6	94.0	94.0	94.0	94.0	94.0	54.2	81.2	94.0	87.6	94.0	94.0	
48"		76.6	94.0	94.0	76.6	94.0	94.0	94.0	94.0	94.0	47.4	71.1	94.0	76.6	94.0	94.0	
54"		68.1	94.0	94.0	68.1	94.0	94.0	91.4	94.0	94.0	42.1	63.2	84.2	68.1	94.0	94.0	
60"		61.3	91.9	94.0	61.3	91.9	94.0	82.2	94.0	94.0	37.9	56.9	75.8	61.3	91.9	94.0	
66"		55.7	83.6	94.0	55.7	83.6	94.0	74.7	94.0	94.0	34.5	51.7	68.9	55.7	83.6	94.0	
72"		51.1	76.6	94.0	51.1	76.6	94.0	68.5	94.0	94.0	31.6	47.4	63.2	51.1	76.6	94.0	
30"	84"	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	70.4	94.0	94.0	94.0	94.0	94.0	
36"		94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	58.7	88.0	94.0	94.0	94.0	94.0	
42"		81.3	94.0	94.0	81.3	94.0	94.0	94.0	94.0	94.0	50.3	75.4	94.0	81.3	94.0	94.0	
48"		71.1	94.0	94.0	71.1	94.0	94.0	94.0	94.0	94.0	44.0	66.0	88.0	71.1	94.0	94.0	
54"		63.2	94.0	94.0	63.2	94.0	94.0	84.8	94.0	94.0	39.1	58.7	78.2	63.2	94.0	94.0	
60"		56.9	85.4	94.0	56.9	85.4	94.0	76.3	94.0	94.0	35.2	52.8	70.4	56.9	85.4	94.0	
66"		51.7	77.6	94.0	51.7	77.6	94.0	69.4	94.0	94.0	32.0	48.0	64.0	51.7	77.6	94.0	
72"		47.4	71.1	94.0	47.4	71.1	94.0	63.6	94.0	94.0	29.3	44.0	58.7	47.4	71.1	94.0	
30"	90"	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	65.7	94.0	94.0	94.0	94.0	94.0	
36"		88.5	94.0	94.0	88.5	94.0	94.0	94.0	94.0	94.0	54.8	82.1	94.0	88.5	94.0	94.0	
42"		75.9	94.0	94.0	75.9	94.0	94.0	94.0	94.0	94.0	46.9	70.4	93.9	75.9	94.0	94.0	
48"		66.4	94.0	94.0	66.4	94.0	94.0	89.1	94.0	94.0	41.1	61.6	82.1	66.4	94.0	94.0	
54"		59.0	88.5	94.0	59.0	88.5	94.0	79.2	94.0	94.0	36.5	54.8	73.0	59.0	88.5	94.0	
60"		53.1	79.7	94.0	53.1	79.7	94.0	71.3	94.0	94.0	32.9	49.3	65.7	53.1	79.7	94.0	
66"		48.3	72.4	94.0	48.3	72.4	94.0	64.8	94.0	94.0	29.9	44.8	59.7	48.3	72.4	94.0	
72"		44.3	66.4	88.5	44.3	66.4	88.5	59.4	89.1	94.0	27.4	41.1	54.8	44.3	66.4	88.5	
30"	96"	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	61.6	92.4	94.0	94.0	94.0	94.0	
36"		83.0	94.0	94.0	83.0	94.0	94.0	94.0	94.0	94.0	51.3	77.0	94.0	83.0	94.0	94.0	
42"		71.1	94.0	94.0	71.1	94.0	94.0	94.0	94.0	94.0	44.0	66.0	88.0	71.1	94.0	94.0	
48"		62.3	93.4	94.0	62.3	93.4	94.0	83.5	94.0	94.0	38.5	57.8	77.0	62.3	93.4	94.0	
54"		55.3	83.0	94.0	55.3	83.0	94.0	74.2	94.0	94.0	34.2	51.3	68.4	55.3	83.0	94.0	
60"		49.8	74.7	94.0	49.8	74.7	94.0	66.8	94.0	94.0	30.8	46.2	61.6	49.8	74.7	94.0	
66"		45.3	67.9	90.5	45.3	67.9	90.5	60.7	91.1	94.0	28.0	42.0	56.0	45.3	67.9	90.5	
72"		41.5	62.3	83.0	41.5	62.3	83.0	55.7	83.5	94.0	25.7	38.5	51.3	41.5	62.3	83.0	
CHART TO BE CONTINUED ON NEXT SHEET																	



ANCHORS TYPES: SEE SHEET 8 FOR DESCRIPTION

- AA2 = (2) ANCHORS TYPE 'AA' 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
D2 = (2) ANCHORS TYPE 'D' AT EACH SIDE OF MULLION OR JAMB
- AA3 = (3) ANCHORS TYPE 'AA' AT EACH SIDE OF MULLION OR JAMB
A3 = (3) ANCHORS TYPE 'A' AT EACH SIDE OF MULLION OR JAMB
B3 = (3) ANCHORS TYPE 'B' AT EACH SIDE OF MULLION OR JAMB
C3 = (3) ANCHORS TYPE 'C' AT EACH SIDE OF MULLION OR JAMB
D3 = (3) ANCHORS TYPE 'D' AT EACH SIDE OF MULLION OR JAMB
- AA4 = (4) ANCHORS TYPE 'AA' AT EACH SIDE OF MULLION OR JAMB
A4 = (4) ANCHORS TYPE 'A' AT EACH SIDE OF MULLION OR JAMB
B4 = (4) ANCHORS TYPE 'B' AT EACH SIDE OF MULLION OR JAMB
C4 = (4) ANCHORS TYPE 'C' AT EACH SIDE OF MULLION OR JAMB
D4 = (4) ANCHORS TYPE 'D' AT EACH SIDE OF MULLION OR JAMB

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PRODUCT:

Resistor
3300 ALUMINUM
STOREFRONT WALL
(LARGE AND SMALL
MISSILE IMPACT)

**Resistor**
PRODUCT SERIES

REVN	DATE/REMARKS
REV. 8	12.20.2023 / FBC 2023

ENGINEER:

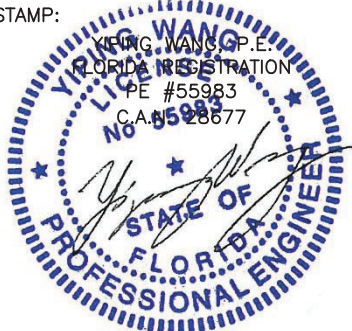


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Email: MCY@mcyengineering.com
www.MCYEngineering.com

STAMP:



YIPING WANG, P.E.
FLORIDA REGISTRATION
PE #55983
C.A.# 0598677

December 20th, 2023

PRODUCT CONTROL APPROVAL:

PRODUCT REVISED
As complying with the Florida Building Code
NOA-No. 23-1222.09
Expiration Date: 07/23/2025
By: Manuel Perez
Miami-Dade Product Control

DRAWN: James	DRAWING No:
DATE: 12.20.2023	7 OF 16
DWG: AD14-03	

ANCHOR LOAD CAPACITY – PSF EXT.(+) & INT.(–)																
NOMINAL DIMS. (IN)		3/8” SHIM														
		ANCHORS TYPE 'AA'			ANCHORS TYPE 'A'			ANCHORS TYPE 'B'			ANCHORS TYPE 'C'			ANCHORS TYPE 'D'		
WIDTH (W)	FRAME HEIGHT	'AA2'	'AA3'	'AA4'	'A2'	'A3'	'A4'	'B2'	'B3'	'B4'	'C2'	'C3'	'C4'	'D2'	'D3'	'D4'
30”	102”	93.7	94.0	94.0	93.7	94.0	94.0	94.0	94.0	94.0	58.0	87.0	94.0	93.7	94.0	94.0
36”		78.1	94.0	94.0	78.1	94.0	94.0	94.0	94.0	94.0	48.3	72.5	94.0	78.1	94.0	94.0
42”		67.0	94.0	94.0	67.0	94.0	94.0	89.8	94.0	94.0	41.4	62.1	82.8	67.0	94.0	94.0
48”		58.6	87.9	94.0	58.6	87.9	94.0	78.6	94.0	94.0	36.2	54.4	72.5	58.6	87.9	94.0
54”		52.1	78.1	94.0	52.1	78.1	94.0	69.9	94.0	94.0	32.2	48.3	64.4	52.1	78.1	94.0
60”		46.9	70.3	93.7	46.9	70.3	93.7	62.9	94.0	94.0	29.0	43.5	58.0	46.9	70.3	93.7
66”		42.6	63.9	85.2	42.6	63.9	85.2	57.2	85.7	94.0	26.4	39.5	52.7	42.6	63.9	85.2
72”		39.1	58.6	78.1	39.1	58.6	78.1	52.4	78.6	94.0	24.2	36.2	48.3	39.1	58.6	78.1
30”	108”	88.5	94.0	94.0	88.5	94.0	94.0	94.0	94.0	94.0	54.8	82.1	94.0	88.5	94.0	94.0
36”		73.8	94.0	94.0	73.8	94.0	94.0	94.0	94.0	94.0	45.6	68.4	91.3	73.8	94.0	94.0
42”		63.2	94.0	94.0	63.2	94.0	94.0	84.8	94.0	94.0	39.1	58.7	78.2	63.2	94.0	94.0
48”		55.3	83.0	94.0	55.3	83.0	94.0	74.2	94.0	94.0	34.2	51.3	68.4	55.3	83.0	94.0
54”		49.2	73.8	94.0	49.2	73.8	94.0	66.0	94.0	94.0	30.4	45.6	60.8	49.2	73.8	94.0
60”		44.3	66.4	88.5	44.3	66.4	88.5	59.4	89.1	94.0	27.4	41.1	54.8	44.3	66.4	88.5
66”		40.2	60.4	80.5	40.2	60.4	80.5	54.0	81.0	94.0	24.9	37.3	49.8	40.2	60.4	80.5
30”	114”	83.9	94.0	94.0	83.9	94.0	94.0	94.0	94.0	94.0	51.9	77.8	94.0	83.9	94.0	94.0
36”		69.9	94.0	94.0	69.9	94.0	94.0	93.8	94.0	94.0	43.2	64.8	86.5	69.9	94.0	94.0
42”		59.9	89.9	94.0	59.9	89.9	94.0	80.4	94.0	94.0	37.1	55.6	74.1	59.9	89.9	94.0
48”		52.4	78.6	94.0	52.4	78.6	94.0	70.3	94.0	94.0	32.4	48.6	64.8	52.4	78.6	94.0
54”		46.6	69.9	93.2	46.6	69.9	93.2	62.5	93.8	94.0	28.8	43.2	57.6	46.6	69.9	93.2
60”		41.9	62.9	83.9	41.9	62.9	83.9	56.3	84.4	94.0	25.9	38.9	51.9	41.9	62.9	83.9
66”		38.1	57.2	76.2	38.1	57.2	76.2	51.1	76.7	94.0	23.6	35.4	47.2	38.1	57.2	76.2
30”	120”	79.7	94.0	94.0	79.7	94.0	94.0	94.0	94.0	94.0	49.3	73.9	94.0	79.7	94.0	94.0
36”		66.4	94.0	94.0	66.4	94.0	94.0	89.1	94.0	94.0	41.1	61.6	82.1	66.4	94.0	94.0
42”		56.9	85.4	94.0	56.9	85.4	94.0	76.3	94.0	94.0	35.2	52.8	70.4	56.9	85.4	94.0
48”		49.8	74.7	94.0	49.8	74.7	94.0	66.8	94.0	94.0	30.8	46.2	61.6	49.8	74.7	94.0
54”		44.3	66.4	88.5	44.3	66.4	88.5	59.4	89.1	94.0	27.4	41.1	54.8	44.3	66.4	88.5
60”		39.8	59.8	79.7	39.8	59.8	79.7	53.4	80.2	94.0	24.6	37.0	49.3	39.8	59.8	79.7
30”	126”	75.9	94.0	94.0	75.9	94.0	94.0	94.0	94.0	94.0	46.9	70.4	93.9	75.9	94.0	94.0
36”		63.2	94.0	94.0	63.2	94.0	94.0	84.8	94.0	94.0	39.1	58.7	78.2	63.2	94.0	94.0
42”		54.2	81.3	94.0	54.2	81.3	94.0	72.7	94.0	94.0	33.5	50.3	67.0	54.2	81.3	94.0
48”		47.4	71.1	94.0	47.4	71.1	94.0	63.6	94.0	94.0	29.3	44.0	58.7	47.4	71.1	94.0
54”		42.2	63.2	84.3	42.2	63.2	84.3	56.6	84.8	94.0	26.1	39.1	52.1	42.2	63.2	84.3
60”		37.9	56.9	75.9	37.9	56.9	75.9	50.9	76.3	94.0	23.5	35.2	46.9	37.9	56.9	75.9

SEE NEXT SHEET FOR 1/4” SHIM ANCHOR CHART

TYPICAL ANCHORS:

SEE ELEVATIONS FOR SPACING

TYPE 'AA' 1/4” DIA. TAPCON BY 'ITW' (Fu=120 KSI, Fy=92 KSI) OR
1/4” ULTRACON+ BY 'DEWALT' (Fu=164 KSI, Fy=148 KSI)
INTO 2BY WOOD BUCKS OR WOOD STRUCTURES
1–1/2” MIN. PENETRATION INTO WOOD (SG=0.55 MIN.)

THRU WOOD BUCKS INTO CONCRETE
1–1/2” MIN. EMBED INTO CONCRETE

TYPE 'A' 1/4” DIA. TAPCON BY 'ITW' (Fu=120 KSI, Fy=92 KSI)
DIRECTLY INTO CONCRETE OR HOLLOW BLOCK
1–3/8” MIN. EMBED INTO CONCRETE
1–1/4” MIN. EMBED INTO HOLLOW BLOCK (JAMB ONLY)

TYPE 'B' 1/4” DIA. ULTRACON+ BY 'DEWALT' (Fu=164 KSI, Fy=148 KSI)
DIRECTLY INTO CONCRETE OR HOLLOW/GROUT FILLED BLOCK
1–1/2” MIN. EMBED INTO CONCRETE.
1–1/4” MIN. EMBED INTO HOLLOW BLOCK OR (JAMB ONLY)
1–3/4” MIN. EMBED INTO GROUT FILLED BLOCK

TYPE 'C' #14 SMS (GRADE 2 CRS)
(1/8” THK. MIN.) INTO METAL STRUCTURE. (6063–T5 MIN.)

TYPE 'D' #14 TEKS SELF–DRILLING SCREWS (GRADE 5 CRS)
INTO APPROVED MULLIONS
(1/8” THK. MIN.) INTO METAL STRUCTURE. (6063–T5 MIN.)

STEEL : 12 GA. 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.

CONCRETE f’c = 3000 PSI MIN. (NORMAL WEIGHT, UNCRACKED CONCRETE)
C–90 HOLLOW/FILLED BLOCK (NORMAL WEIGHT)
f’m = 2000 PSI MIN., NORMAL STRENGTH CMU
WOOD SG=0.55 MIN.

SEALANTS:

FRAME CORNERS SEALED WITH DOW CORNING DOWSIL1199 OR EQUAL COMPATIBLE.



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PRODUCT:

Resistor
3300 ALUMINUM
STOREFRONT WALL
(LARGE AND SMALL
MISSILE IMPACT)



REV#	DATE/REMARKS
REV. 8	12.20.2023 / FBC 2023

ENGINEER:

M

C

Y

MCY ENGINEERING, INC.
GLAZING CONSULTANT

12781 MIRAMAR PKWY. STE. 301
MIRAMAR, FL. 33027

P: 305-271-0117 F: 305-573-5063
Email: MCY@mcyengineering.com
www.MCYEngineering.com

STAMP:

YOUNG WANG

REGISTERED PROFESSIONAL ENGINEER

FLORIDA

PE #55983

C.A.#559877

December 20th, 2023

PRODUCT CONTROL APPROVAL:

PRODUCT REVISED
As complying with the Florida Building Code
NOA-No. 23-1222.09
Expiration Date: 07/23/2025

By: *Manuel Perez*
Miami-Dade Product Control

DRAWN: James	DRAWING No: 8 OF 16
DATE: 12.20.2023	
DWG: AD14–03	

ANCHOR LOAD CAPACITY – PSF EXT.(+) & INT.(–)							
NOMINAL DIMS. (IN)		1/4” SHIM					
		ANCHORS TYPE ‘A’			ANCHORS TYPE ‘C’		ANCHORS TYPE ‘D’
WIDTH (W)	FRAME HEIGHT	‘A2’	‘A3’	‘A4’	‘C2’	‘C3’	‘D2’
30”	66”	94.0	94.0	94.0	94.0	94.0	94.0
36”		94.0	94.0	94.0	94.0	94.0	94.0
42”		94.0	94.0	94.0	94.0	94.0	94.0
48”		94.0	94.0	94.0	94.0	94.0	94.0
54”		94.0	94.0	94.0	94.0	94.0	94.0
60”		94.0	94.0	94.0	94.0	94.0	94.0
66”		89.4	94.0	94.0	94.0	94.0	94.0
72”		81.9	94.0	94.0	94.0	94.0	94.0
30”	72”	94.0	94.0	94.0	94.0	94.0	94.0
36”		94.0	94.0	94.0	94.0	94.0	94.0
42”		94.0	94.0	94.0	94.0	94.0	94.0
48”		94.0	94.0	94.0	94.0	94.0	94.0
54”		94.0	94.0	94.0	94.0	94.0	94.0
60”		90.1	94.0	94.0	94.0	94.0	94.0
66”		81.9	94.0	94.0	94.0	94.0	94.0
72”		75.1	94.0	94.0	94.0	94.0	94.0
30”	78”	94.0	94.0	94.0	94.0	94.0	94.0
36”		94.0	94.0	94.0	94.0	94.0	94.0
42”		94.0	94.0	94.0	94.0	94.0	94.0
48”		94.0	94.0	94.0	94.0	94.0	94.0
54”		92.4	94.0	94.0	94.0	94.0	91.4
60”		83.2	94.0	94.0	94.0	94.0	94.0
66”		75.6	94.0	94.0	94.0	94.0	94.0
72”		69.3	94.0	94.0	94.0	94.0	94.0
30”	84”	94.0	94.0	94.0	94.0	94.0	94.0
36”		94.0	94.0	94.0	94.0	94.0	94.0
42”		94.0	94.0	94.0	94.0	94.0	94.0
48”		94.0	94.0	94.0	94.0	94.0	94.0
54”		85.8	94.0	94.0	94.0	94.0	94.0
60”		77.3	94.0	94.0	94.0	94.0	94.0
66”		70.2	94.0	94.0	94.0	94.0	94.0
72”		64.4	94.0	94.0	88.8	94.0	94.0
30”	90”	94.0	94.0	94.0	94.0	94.0	94.0
36”		94.0	94.0	94.0	94.0	94.0	94.0
42”		94.0	94.0	94.0	94.0	94.0	94.0
48”		90.1	94.0	94.0	94.0	94.0	94.0
54”		80.1	94.0	94.0	94.0	94.0	94.0
60”		72.1	94.0	94.0	94.0	94.0	94.0
66”		65.6	94.0	94.0	90.4	94.0	94.0
72”		60.1	90.1	94.0	82.8	94.0	94.0
30”	96”	94.0	94.0	94.0	94.0	94.0	94.0
36”		94.0	94.0	94.0	94.0	94.0	94.0
42”		94.0	94.0	94.0	94.0	94.0	94.0
48”		84.5	94.0	94.0	94.0	94.0	94.0
54”		75.1	94.0	94.0	94.0	94.0	94.0
60”		67.6	94.0	94.0	93.2	94.0	94.0
66”		61.5	92.2	94.0	84.7	94.0	94.0
72”		56.3	84.5	94.0	77.7	94.0	94.0

ANCHOR LOAD CAPACITY – PSF EXT.(+) & INT.(–)							
NOMINAL DIMS. (IN)		1/4” SHIM					
		ANCHORS TYPE ‘A’			ANCHORS TYPE ‘C’		ANCHORS TYPE ‘D’
WIDTH (W)	FRAME HEIGHT	‘A2’	‘A3’	‘A4’	‘C2’	‘C3’	‘D2’
30”	102”	94.0	94.0	94.0	94.0	94.0	94.0
36”		94.0	94.0	94.0	94.0	94.0	94.0
42”		90.9	94.0	94.0	94.0	94.0	94.0
48”		79.5	94.0	94.0	94.0	94.0	94.0
54”		70.7	94.0	94.0	94.0	94.0	94.0
60”		63.6	94.0	94.0	87.7	94.0	94.0
66”		57.8	86.8	94.0	79.7	94.0	94.0
72”		53.0	79.5	94.0	73.1	94.0	94.0
30”	108”	94.0	94.0	94.0	94.0	94.0	94.0
36”		94.0	94.0	94.0	94.0	94.0	94.0
42”		85.8	94.0	94.0	94.0	94.0	94.0
48”		75.1	94.0	94.0	94.0	94.0	94.0
54”		66.8	94.0	94.0	92.0	94.0	94.0
60”		60.1	90.1	94.0	82.8	94.0	94.0
66”		54.6	81.9	94.0	75.3	94.0	94.0
30”	114”	94.0	94.0	94.0	94.0	94.0	94.0
36”		94.0	94.0	94.0	94.0	94.0	94.0
42”		81.3	94.0	94.0	94.0	94.0	94.0
48”		71.2	94.0	94.0	94.0	94.0	94.0
54”		63.3	94.0	94.0	87.2	94.0	94.0
60”		56.9	94.0	94.0	78.5	94.0	91.4
66”		51.8	94.0	94.0	71.3	94.0	94.0
30”	120”	94.0	94.0	94.0	94.0	94.0	94.0
36”		90.1	94.0	94.0	94.0	94.0	94.0
42”		77.3	94.0	94.0	94.0	94.0	94.0
48”		67.6	94.0	94.0	93.2	94.0	94.0
54”		60.1	90.1	94.0	82.8	94.0	94.0
60”		54.1	81.1	94.0	74.6	94.0	94.0
30”	126”	94.0	94.0	94.0	94.0	94.0	94.0
36”		85.8	94.0	94.0	94.0	94.0	94.0
42”		73.6	94.0	94.0	94.0	94.0	94.0
48”		64.4	94.0	94.0	88.8	94.0	94.0
54”		57.2	85.8	94.0	78.9	94.0	94.0
60”		51.5	77.3	94.0	71.0	94.0	94.0

SEE SHEETS 7 & 8 FOR ANCHOR TYPES
AND DESCRIPTIONS.



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PRODUCT:

Resistor

3300 ALUMINUM


STOREFRONT WALL
(LARGE AND SMALL
MISSILE IMPACT)

Resistor

PRODUCT SERIES

REVN	DATE/REMARKS
REV. 8	12.20.2023 / FBC 2023

ENGINEER:



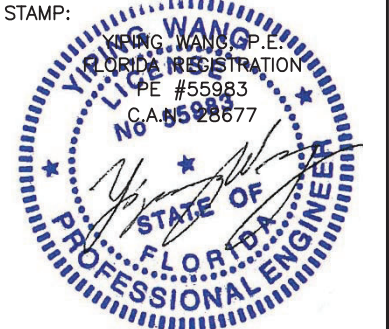
MCY ENGINEERING, INC.

GLAZING CONSULTANT

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www.MCYEngineering.com

STAMP:



December 20th, 2023

PRODUCT CONTROL APPROVAL:

PRODUCT REVISED

As complying with the Florida
Building Code

NOA-No. **23-1222.09**

Expiration Date: **07/23/2025**

By: 

Miami-Dade Product Control

DRAWN: James	DRAWING No: 9 OF 16
DATE: 12.20.2023	
DWG: AD14–03	

PRODUCT:

Resistor
3300 ALUMINUM
STOREFRONT WALL
(LARGE AND SMALL
MISSILE IMPACT)

Resistor
PRODUCT SERIES

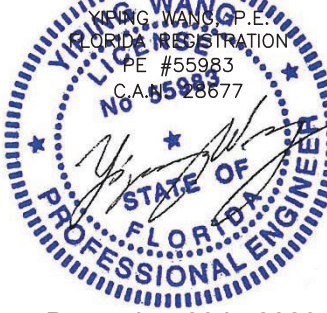
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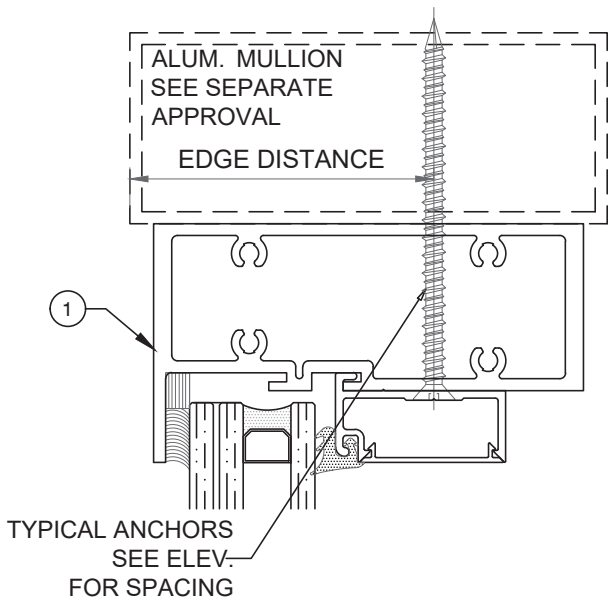
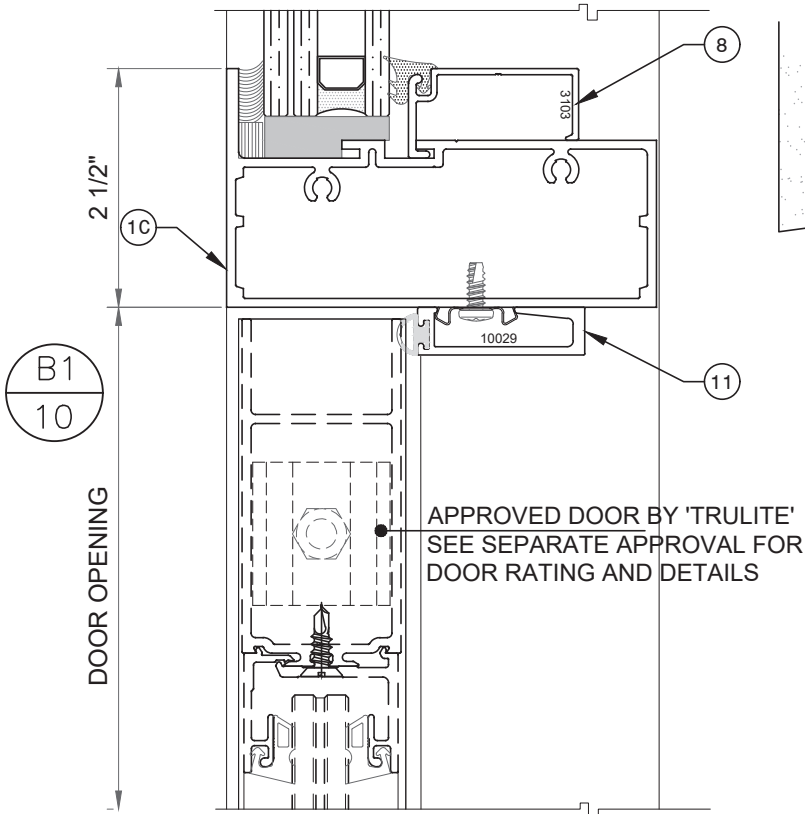
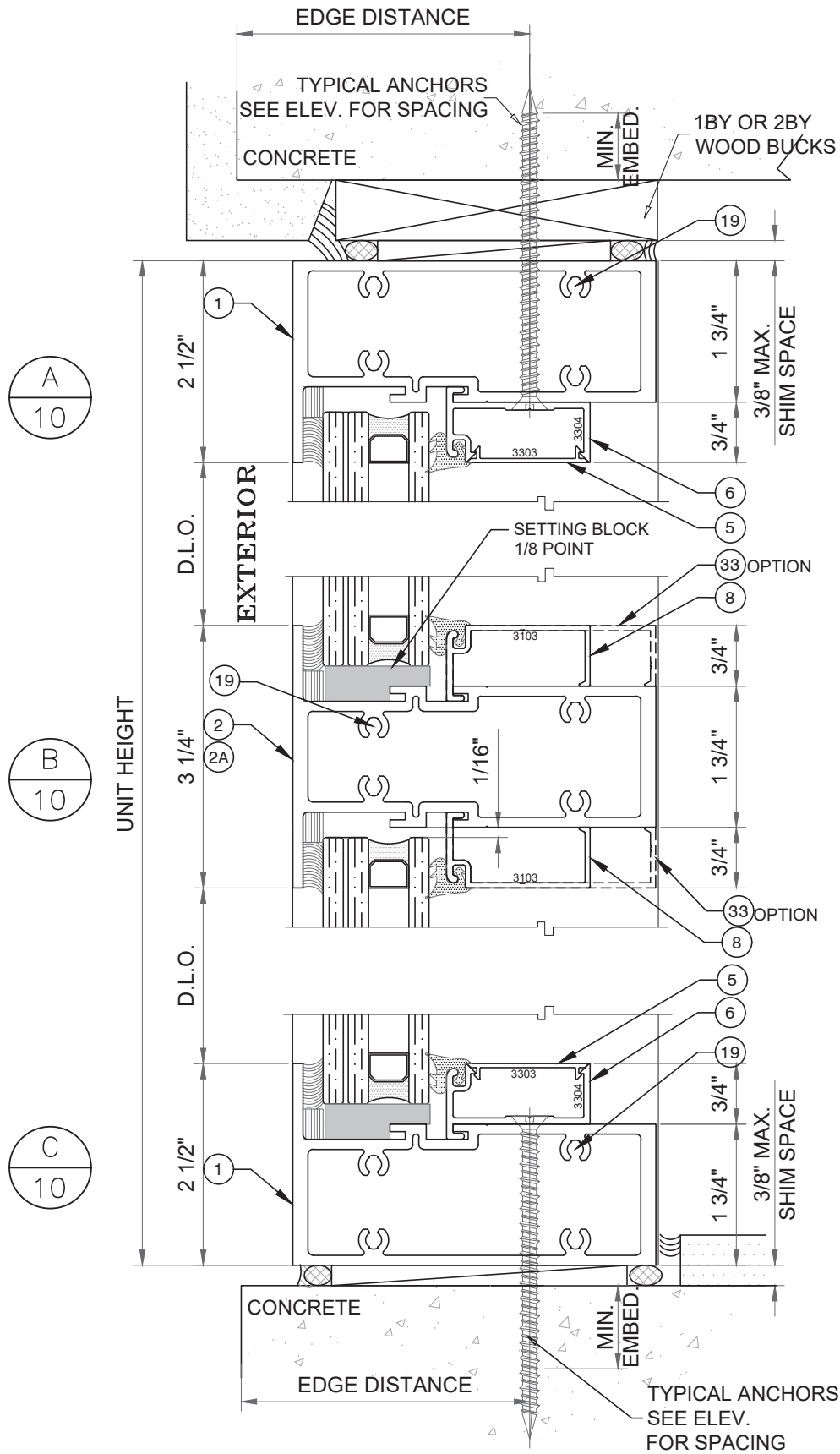


December 20th, 2023

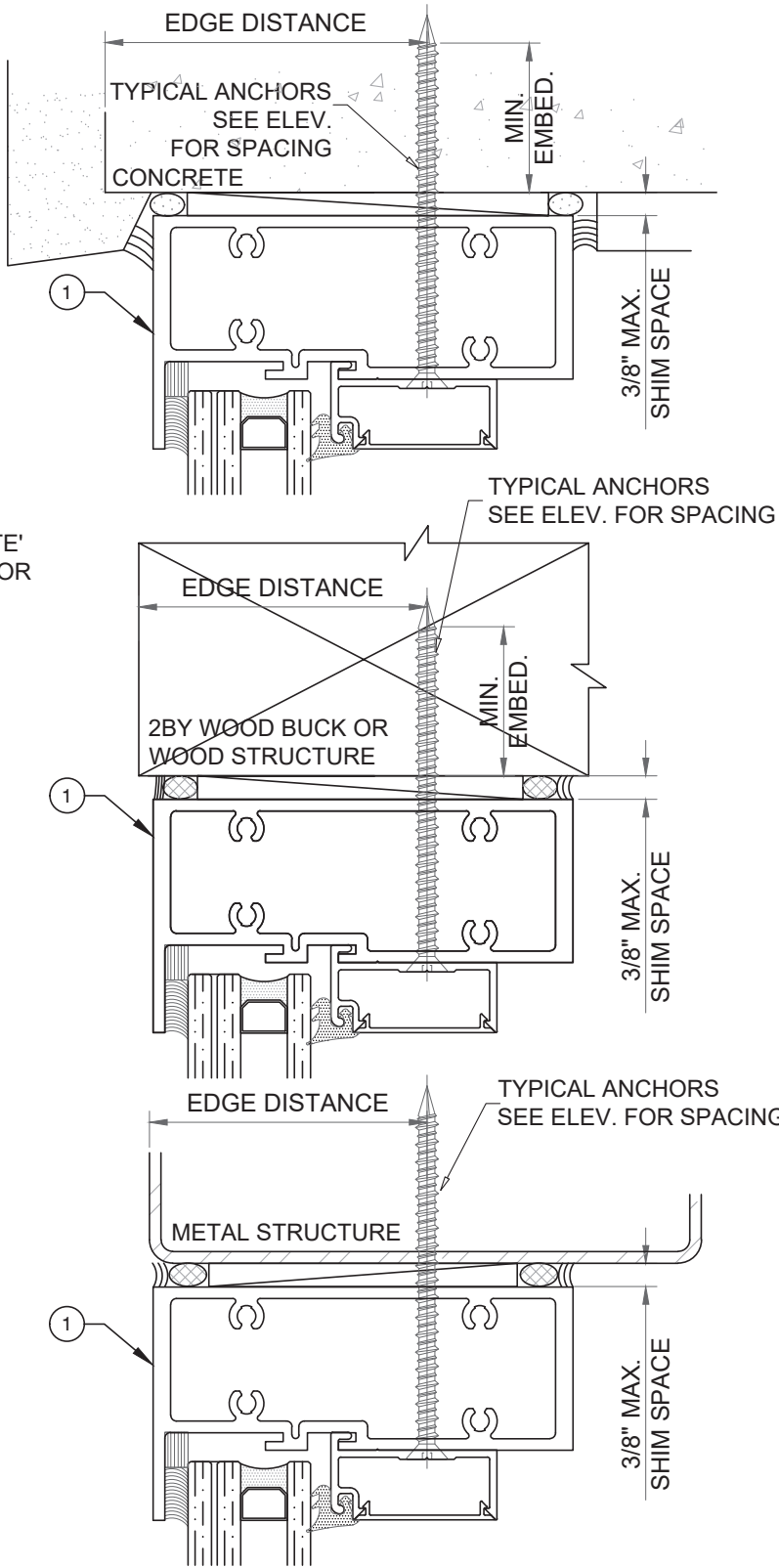
PRODUCT CONTROL APPROVAL:

PRODUCT REVISED
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NOA-No. **23-1222.09**
Expiration Date: **07/23/2025**
By: *Manuel Perez*
Miami-Dade Product Control

DRAWN: James	DRAWING No:
DATE: 12.20.2023	10 OF 16
DWG: AD14-03	



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



PRODUCT:

Resistor
3300 ALUMINUM
STOREFRONT WALL
(LARGE AND SMALL
MISSILE IMPACT)

Resistor
PRODUCT SERIES

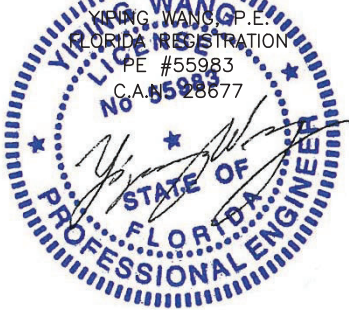
REVN	DATE/REMARKS
REV. 8	12.20.2023 / FBC 2023

ENGINEER:

MCY ENGINEERING, INC.
GLAZING CONSULTANT

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MIRAMAR, FL. 33027
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Email: MCY@mcyengineering.com
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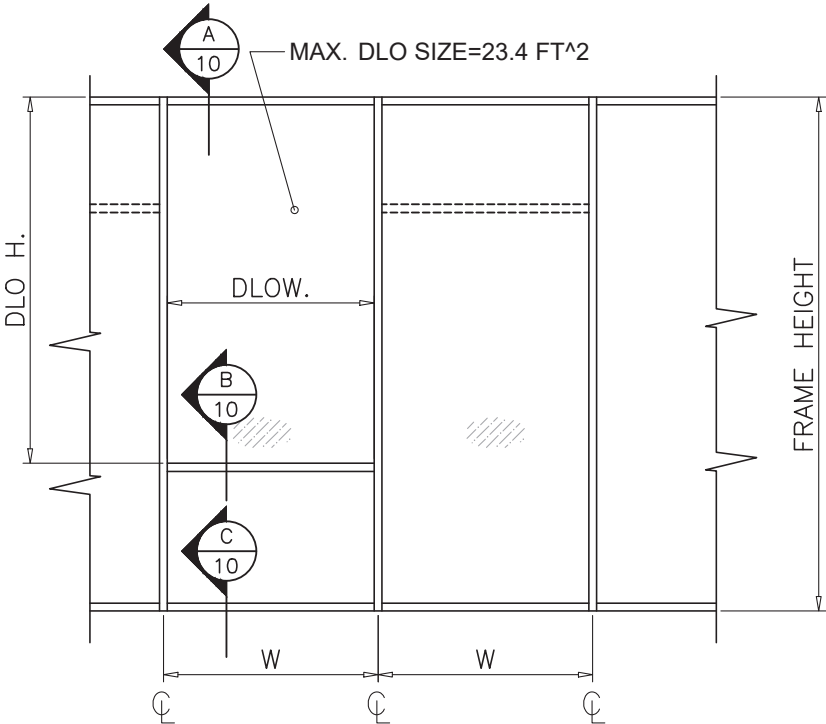
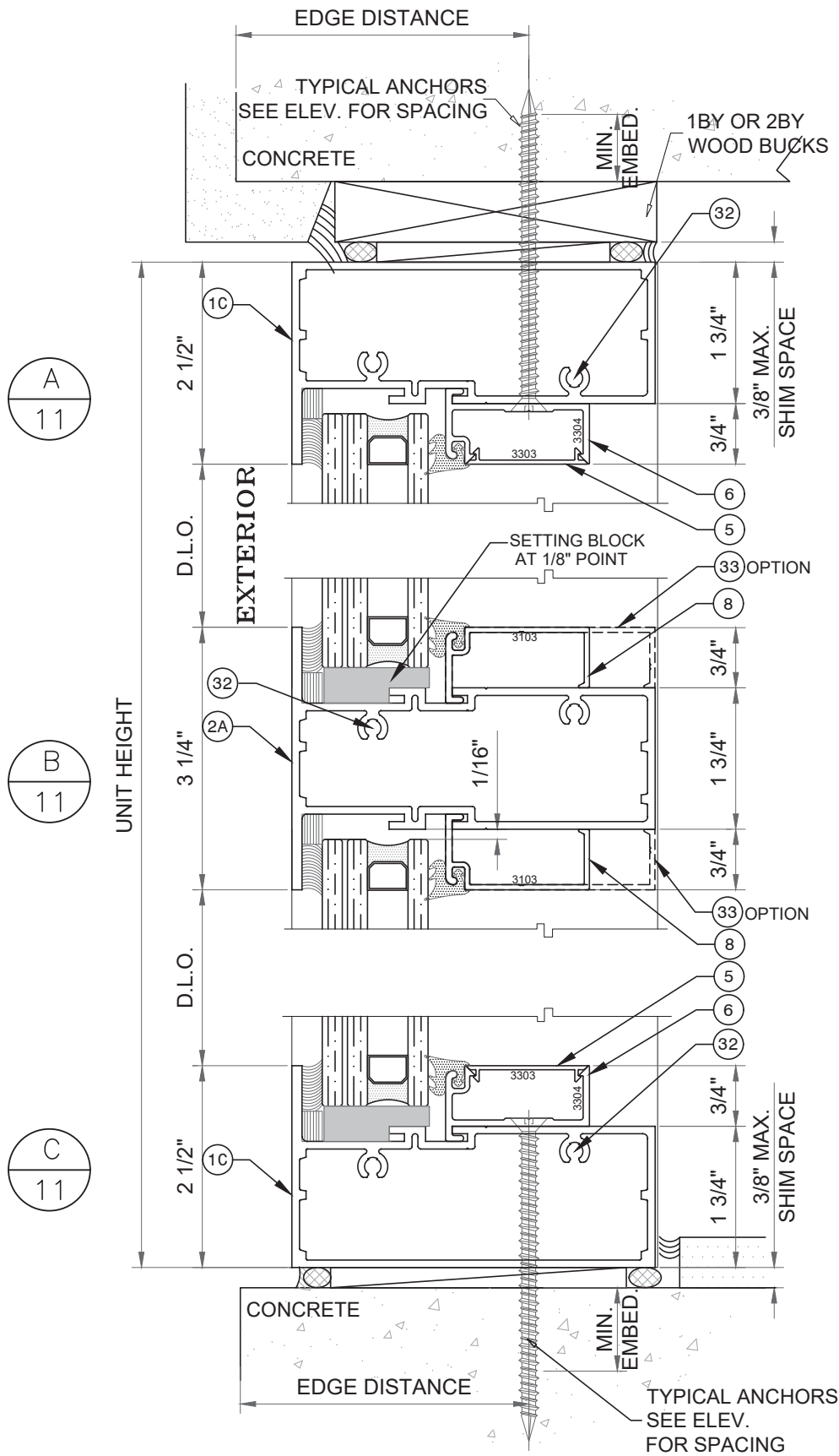


December 20th, 2023

PRODUCT CONTROL APPROVAL:

PRODUCT REVISED
As complying with the Florida
Building Code
NOA-No. **23-1222.09**
Expiration Date: **07/23/2025**
By: *Manuel Perez*
Miami-Dade Product Control

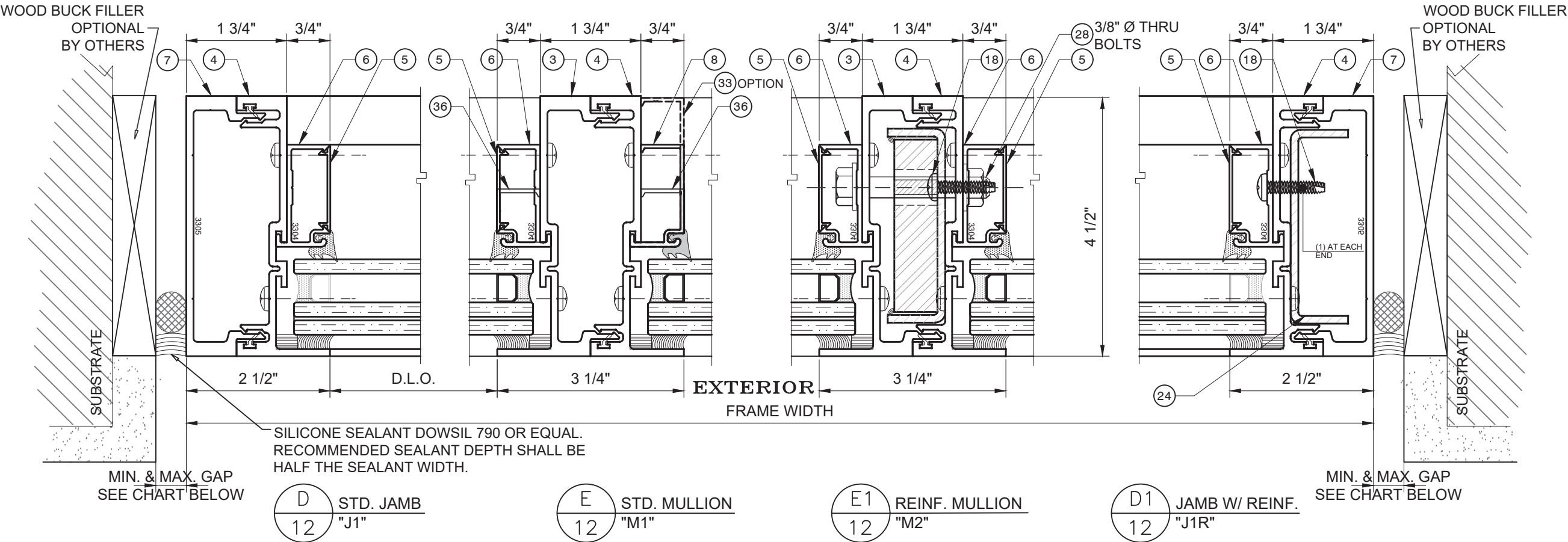
DRAWN: James	DRAWING No:
DATE: 12.20.2023	11 OF 16
DWG: AD14-03	



MAX. D.L.O. SIZE ABOVE 3302 HORIZOTAL				
DLO W.	DLO H.	DLO AREA	ALLOW. Pd (PSF)	
(IN)	(IN)	(FT^2)	EXT.(+)	INT.(-)
56 3/4"	59 3/8"	23.4	85.0	85.0

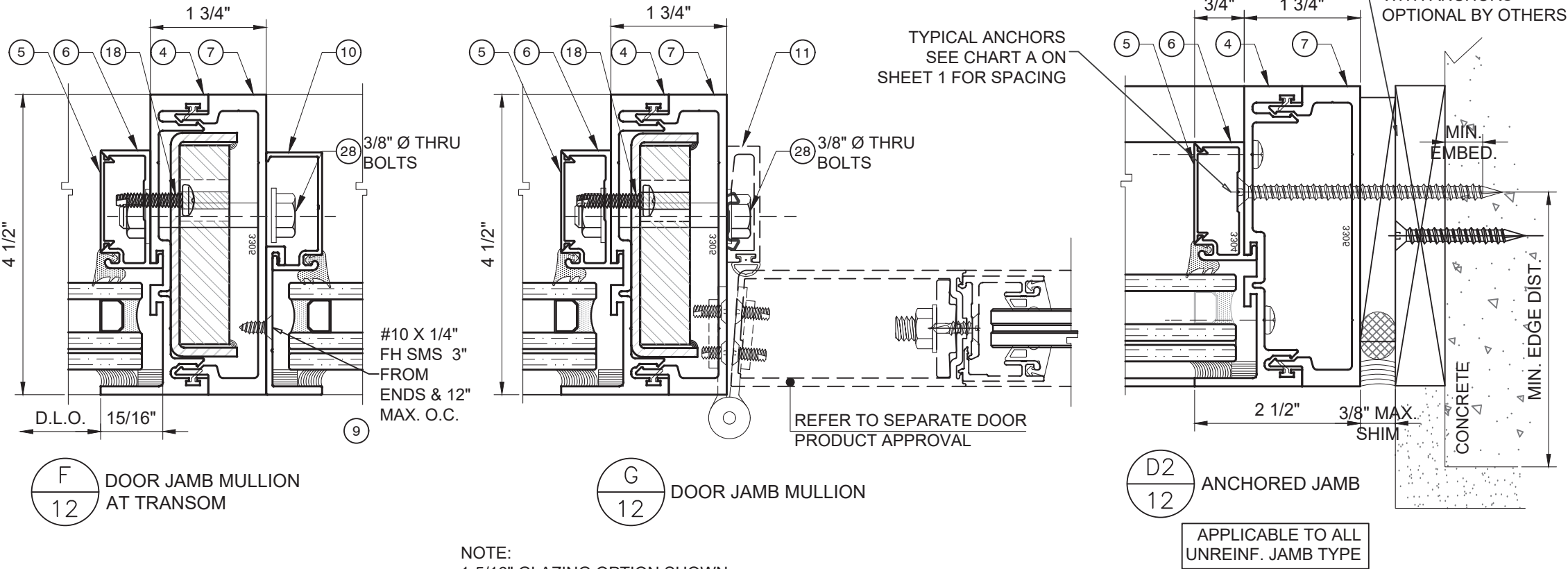
DESIGN LOAD LIMIT TO 85PSF MAX. WHEN
HEAD & SILL USE EXTRUSION OF 3301.

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



MAX. FRAME HEIGHT	GAP	
	MIN.	MAX.
78"	1/4"	1/2"
84"	1/4"	1/2"
96"	3/8"	1/2"
108"	3/8"	1/2"
120"	3/8"	1/2"
126"	3/8"	1/2"

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



NOTE:
 1-5/16" GLAZING OPTION SHOWN.
 REFER TO SHEET 2 FOR 9/16" GLAZING OPTION.
 SILICONE SEALANT REFER TO ITEM (20) (21) (22) (34)

PRODUCT:
Resistor
3300 ALUMINUM
 STOREFRONT WALL
 (LARGE AND SMALL
 MISSILE IMPACT)

Resistor
 PRODUCT SERIES

REVN	DATE/REMARKS
REV. 8	12.20.2023 / FBC 2023

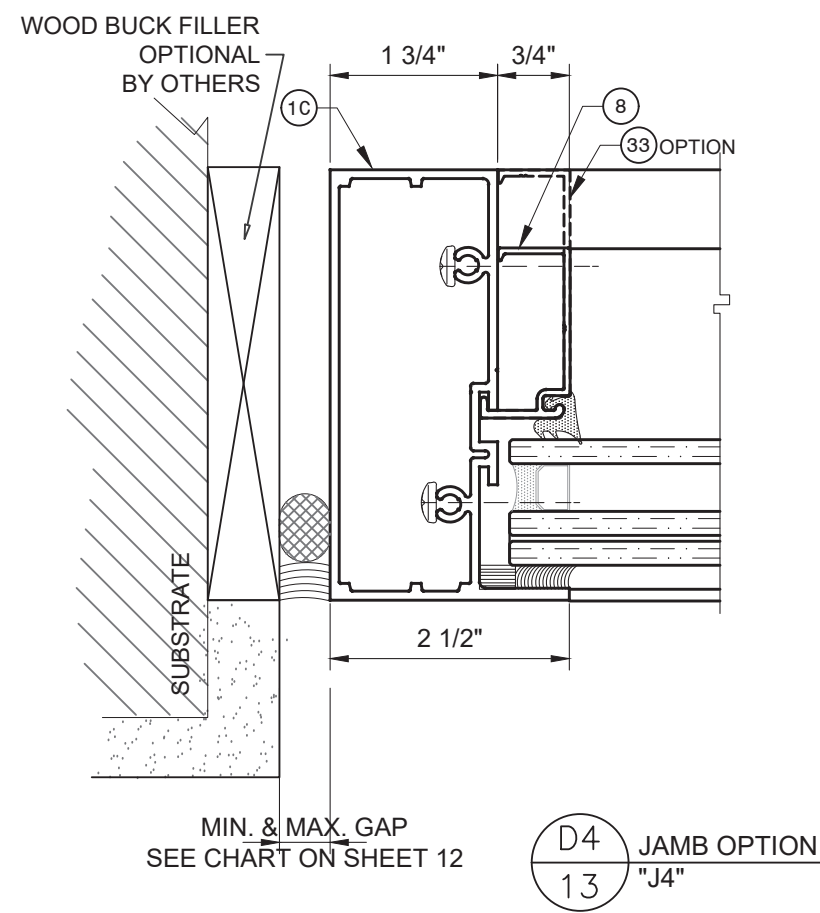
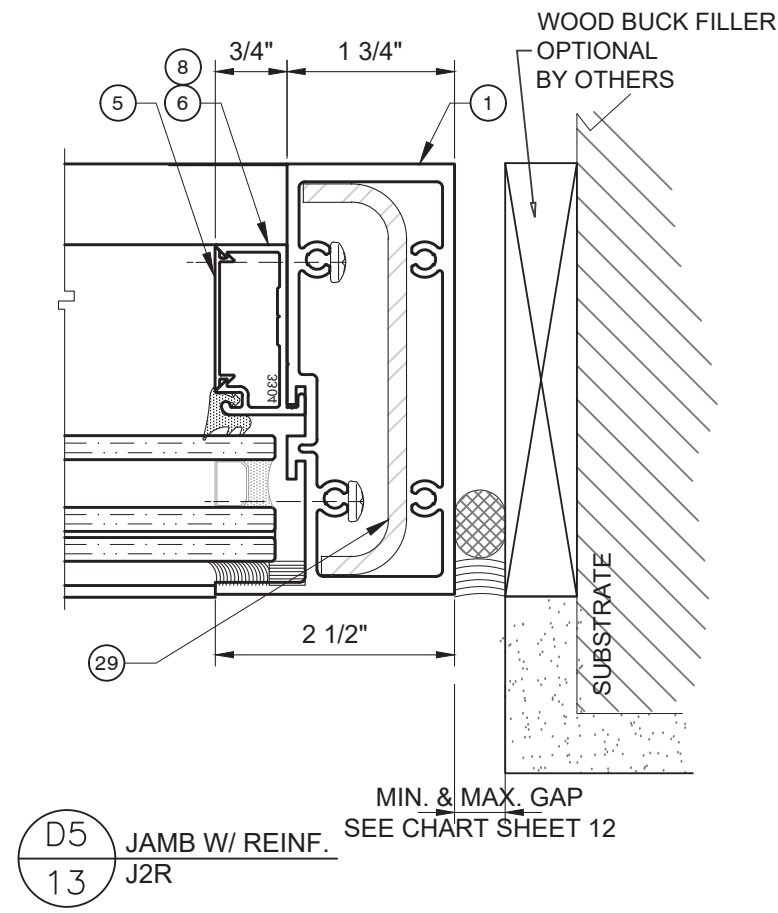
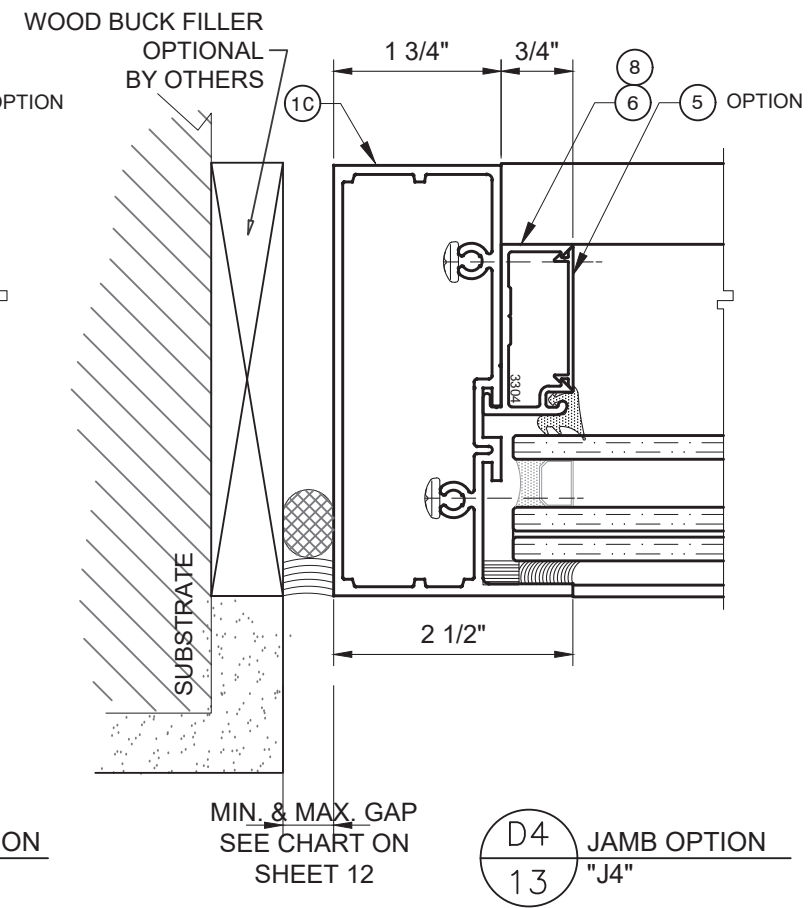
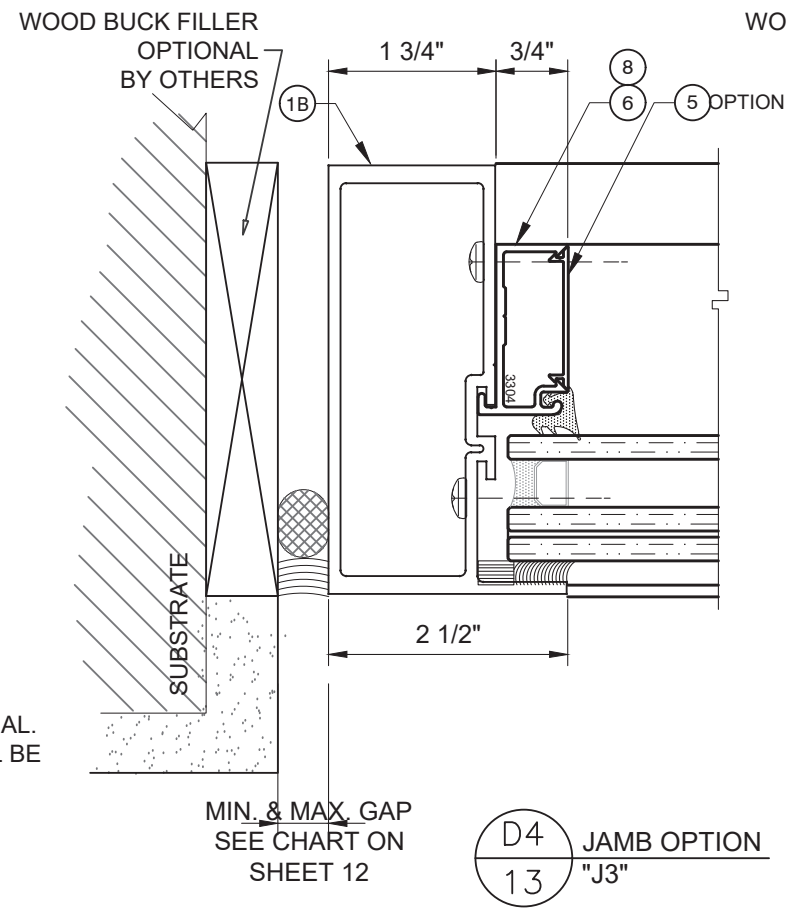
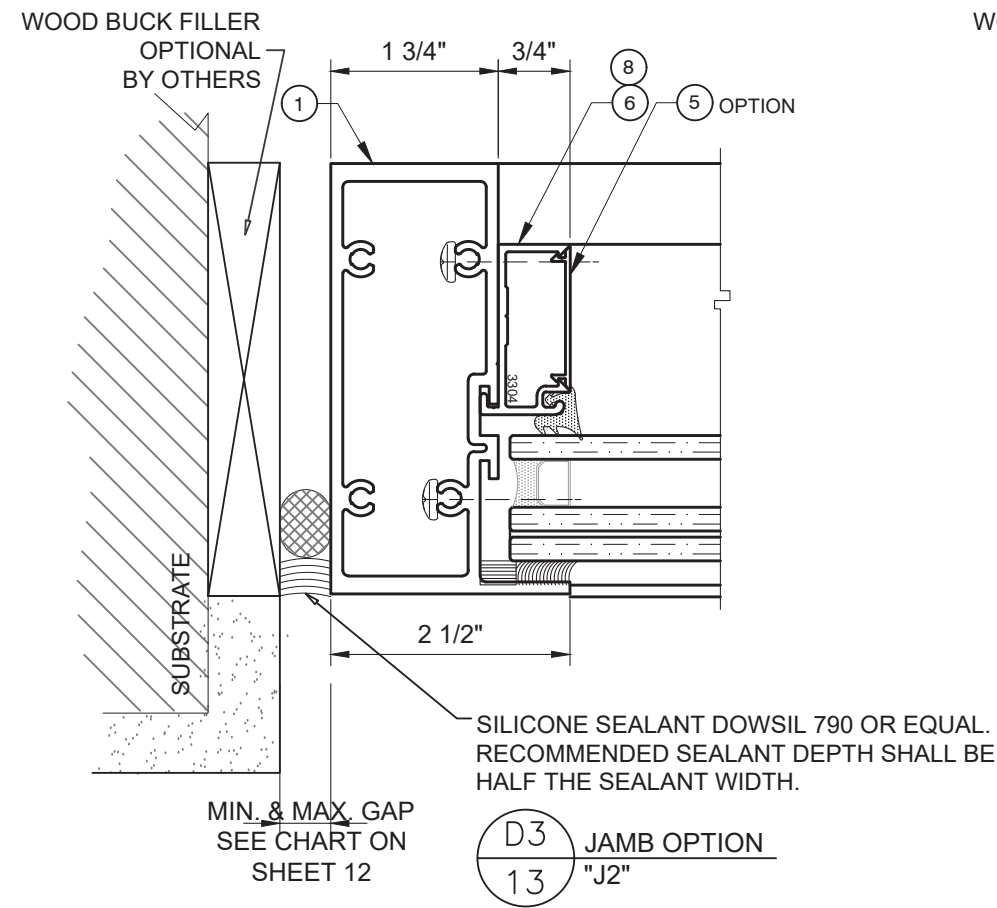
ENGINEER:

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December 20th, 2023
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Expiration Date: 07/23/2025
 By: *Manuel Perez*
Miami-Dade Product Control

DRAWN: James	DRAWING No:
DATE: 12.20.2023	12 OF 16
DWG: AD14-03	



FREE STANDING JAMB OPTIONS
SEE SHEET 5 FOR CAPACITIES

PRODUCT:

Resistor
3300 ALUMINUM
STOREFRONT WALL
(LARGE AND SMALL
MISSILE IMPACT)

Resistor
PRODUCT SERIES

REVN	DATE/REMARKS
REV. 8	12.20.2023 / FBC 2023

ENGINEER:



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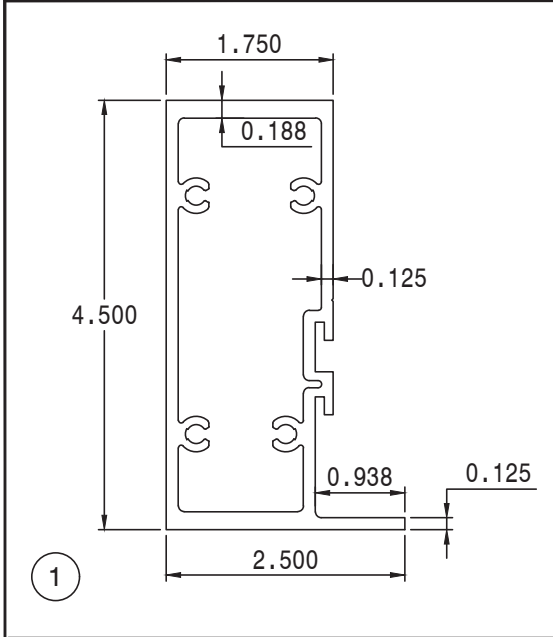
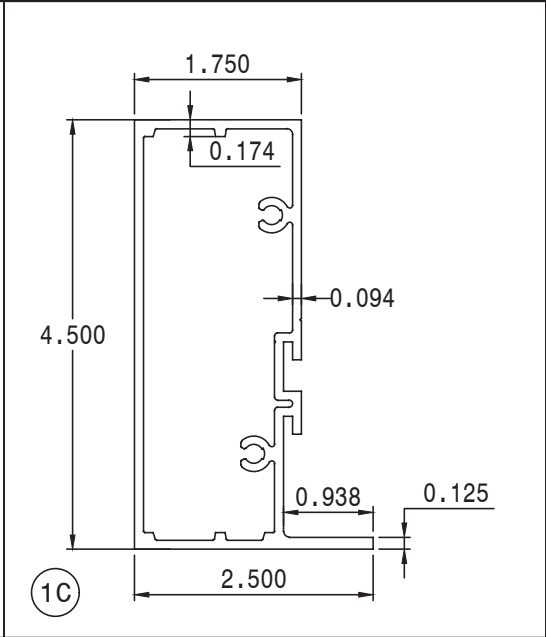
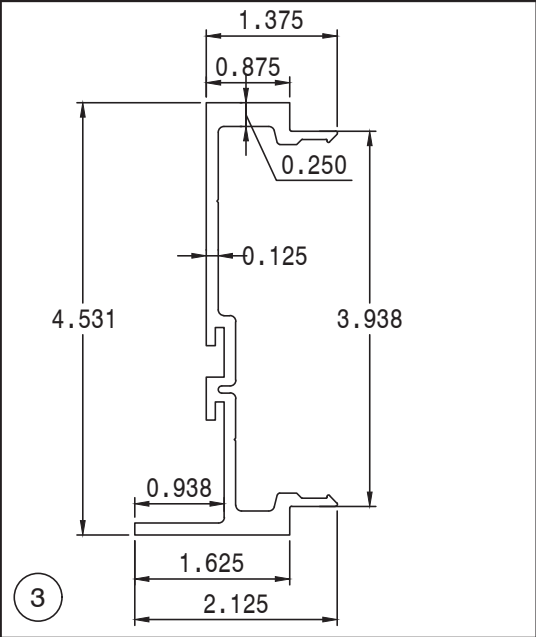
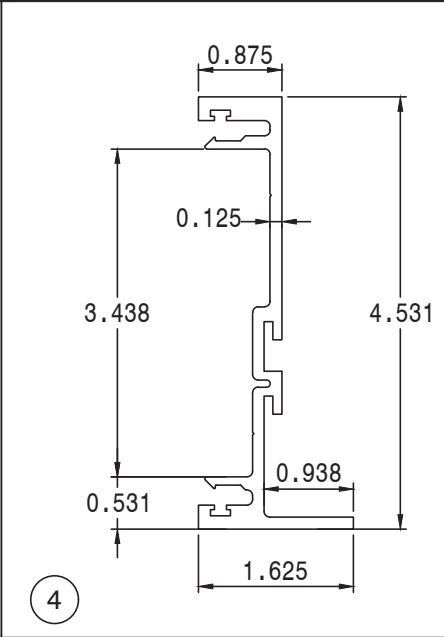
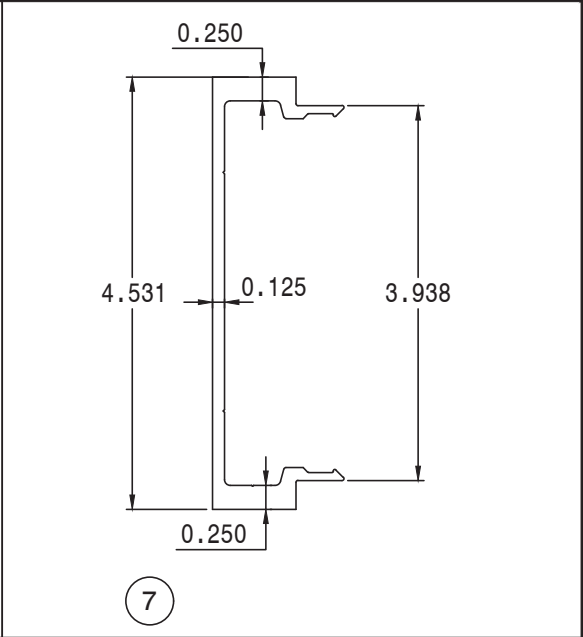
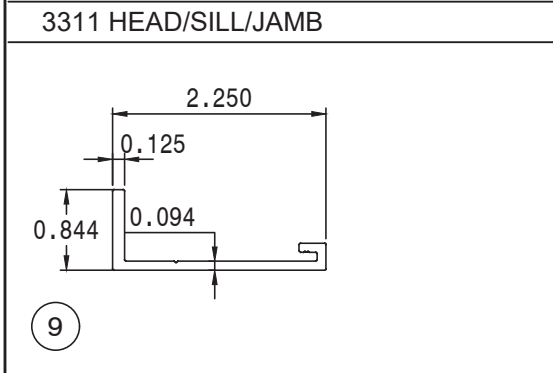
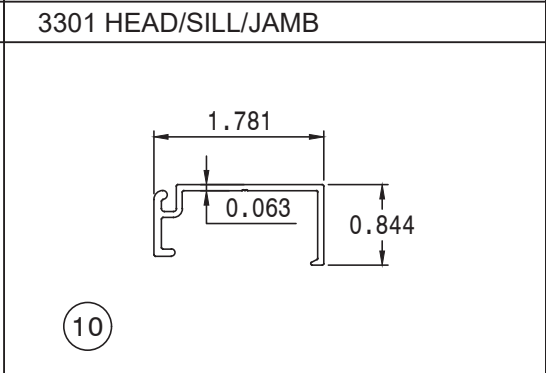
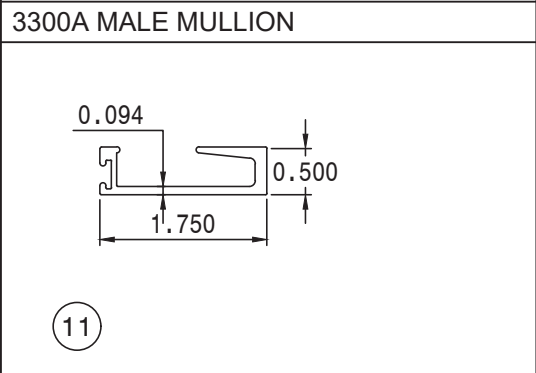
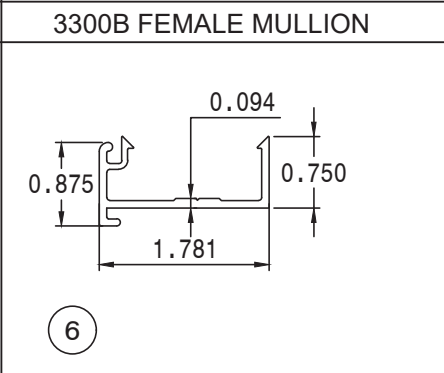
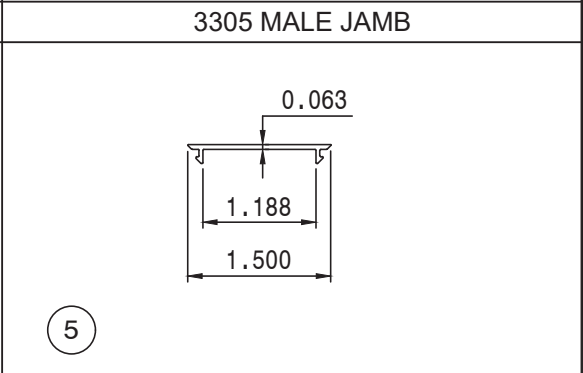
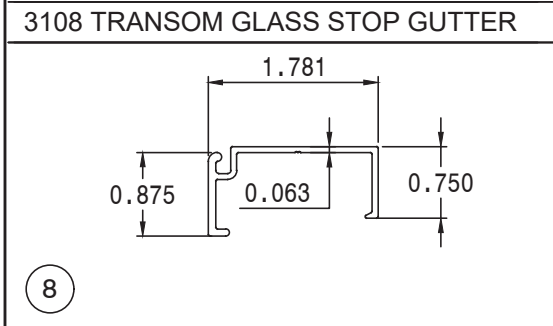
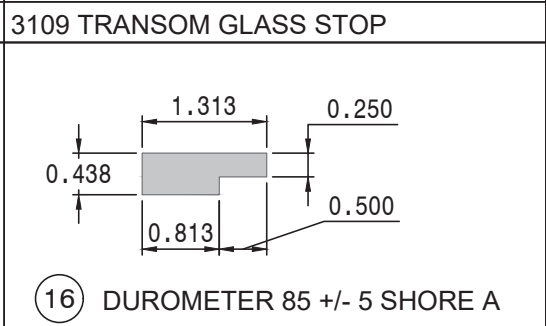
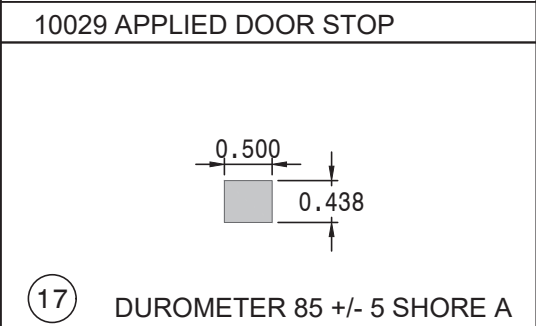
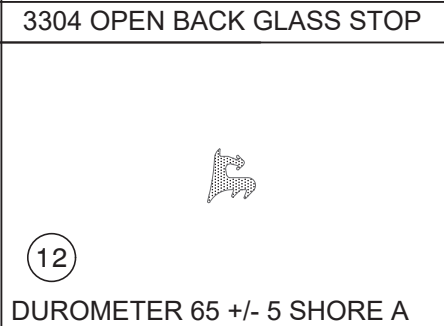
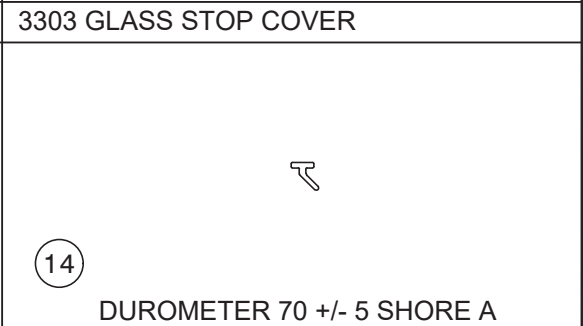
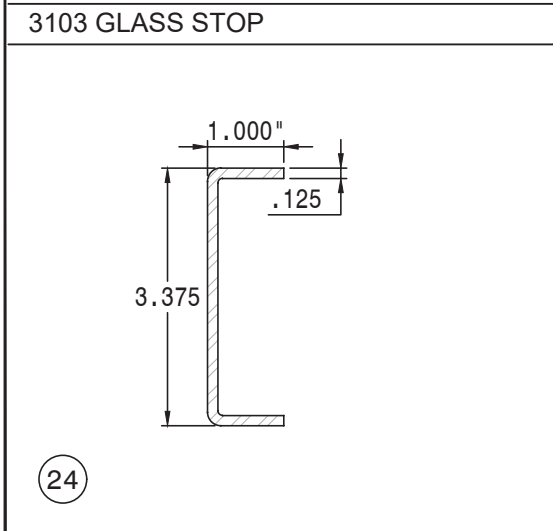
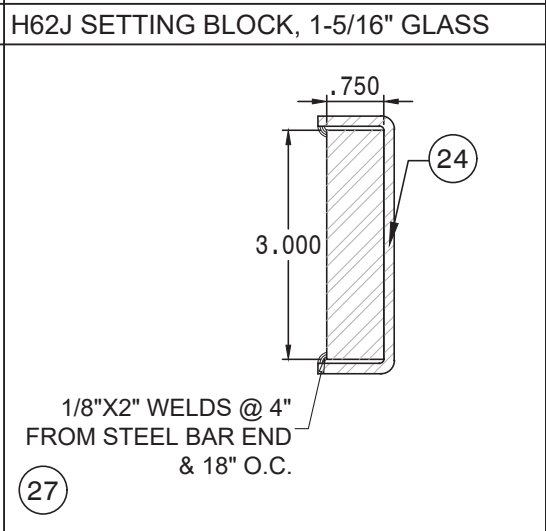
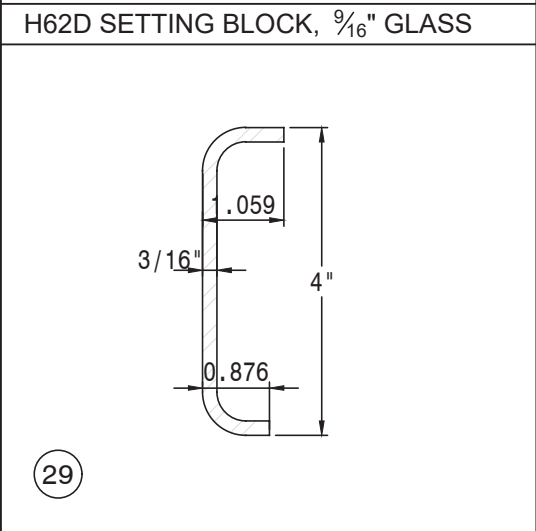


December 20th, 2023

PRODUCT CONTROL APPROVAL:

PRODUCT REVISED
As complying with the Florida
Building Code
NOA-No. **23-1222.09**
Expiration Date: **07/23/2025**
By: *Manuel Perez*
Miami-Dade Product Control

DRAWN: James	DRAWING No:
DATE: 12.20.2023	13 OF 16
DWG: AD14-03	

				
3311 HEAD/SILL/JAMB	3301 HEAD/SILL/JAMB	3300A MALE MULLION	3300B FEMALE MULLION	3305 MALE JAMB
				
3108 TRANSOM GLASS STOP GUTTER	3109 TRANSOM GLASS STOP	10029 APPLIED DOOR STOP	3304 OPEN BACK GLASS STOP	3303 GLASS STOP COVER
				
3103 GLASS STOP	H62J SETTING BLOCK, 1-5/16" GLASS	H62D SETTING BLOCK, 9/16" GLASS	RG-1 EXTERIOR GLAZING GASKET	RG-33 FINGER GASKET
	 <p>1/8"X2" WELDS @ 4" FROM STEEL BAR END & 18" O.C.</p>			
ST330 STEEL CHANNEL, F.H. - 48" MIN. A36	ST334 STEEL CHANNEL WITH 3/4"X3" STEEL BAR	ST337 STEEL CHANNEL A36		



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p. 800-432-8132 | f. 954-724-2083

PRODUCT:

Resistor
3300 ALUMINUM
STOREFRONT WALL
(LARGE AND SMALL
MISSILE IMPACT)

Resistor
PRODUCT SERIES

REVN	DATE/REMARKS
REV. 8	12.20.2023 / FBC 2023

ENGINEER:



MCY ENGINEERING, INC.
GLAZING CONSULTANT

12781 MIRAMAR PKWY. STE. 301
MIRAMAR, FL. 33027

P: 305-271-0117 F: 305-573-5063
Email: MCY@mcyengineering.com
www.MCYEngineering.com

STAMP:

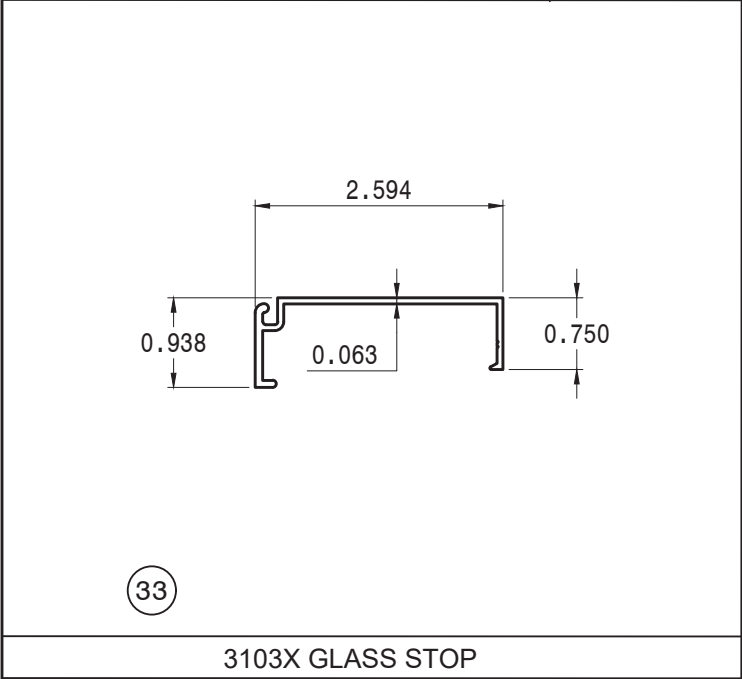
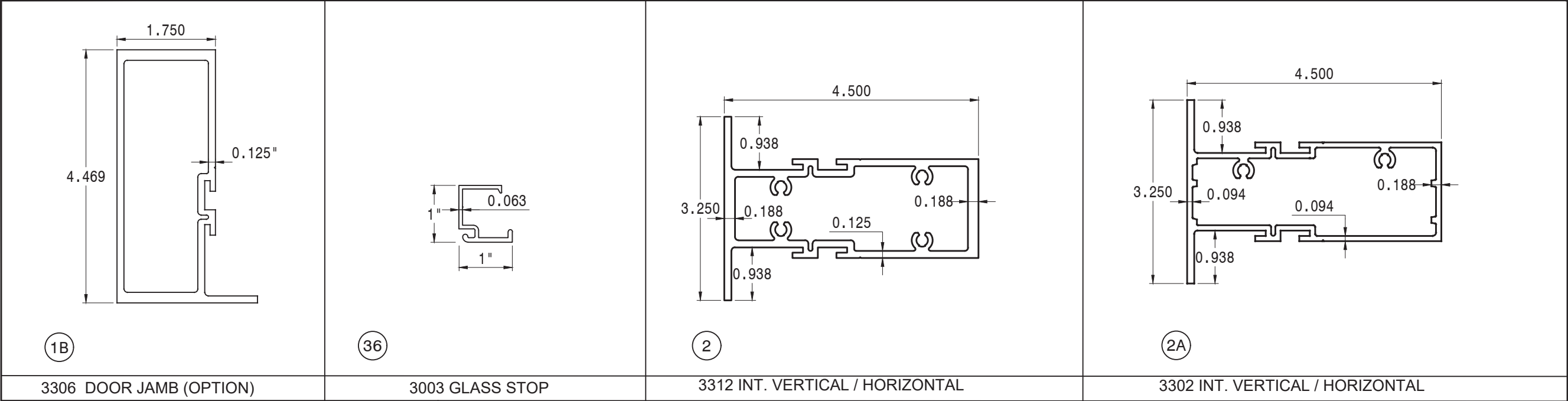


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GLASS & ALUMINUM SOLUTIONS™

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STAMP:

YING WANG, P.E.
FLORIDA REGISTRATION
PE #55983
C.A.#55983

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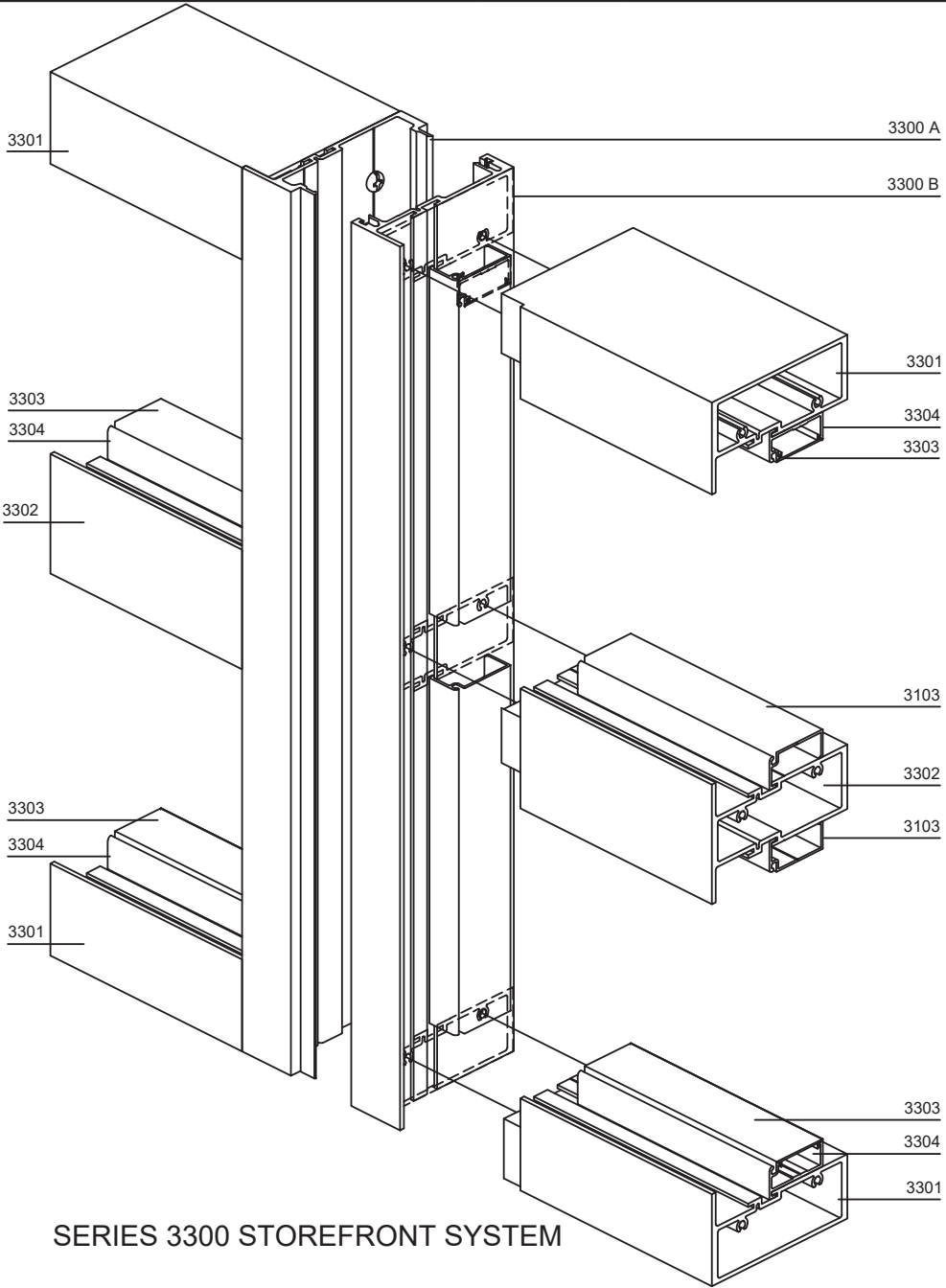
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ITEM	P/N	DESCRIPTION	DIMENSIONS	MATERIAL	MANUFACTURER
1	3301	HEAD / SILL / JAMB	2.500 x 4.500	6063-T6 ALUM	TRULITE
1C	3311	HEAD / SILL / JAMB	2.500 x 4.500	6063-T6 ALUM	TRULITE
1B	3306	DOOR JAMB/JAMB	1-3/4" X 4-1/2"	6063-T6 ALUM	TRULITE
2	3312	INT. HORIZONTAL	3.250 x 4.500	6063-T6 ALUM	TRULITE
2A	3302	INT. HORIZONTAL	3.250 x 4.500	6063-T6 ALUM	TRULITE
3	3300 A	MALE MULLION	2.124 x 4.530	6063-T6 ALUM	TRULITE
4	3300 B	FEMALE MULLION	1.625 x 4.530	6063-T6 ALUM	TRULITE
5	3303	GLASS STOP COVER	1.780 x 0.938	6063-T6 ALUM	TRULITE
6	3304	OPEN BACK GLASS STOP	1.50 x 0.188	6063-T6 ALUM	TRULITE
7	3305	MALE JAMB	1.50 x 0.188	6063-T6 ALUM	TRULITE
8	3103	GLASS STOP	1.780 x 0.938	6063-T6 ALUM	TRULITE
9	3108	TRANSOM GLASS STOP GUTTER	1.250 x 0.750	6063-T6 ALUM	TRULITE
10	3109	TRANSOM GLASS STOP	1.75 x 0.750	6063-T6 ALUM	TRULITE
11	10029	APPLIED DOOR STOP	1.750 x 0.500	6063-T6 ALUM	TRULITE
12	RG 1	EXTERIOR GLAZING GASKET	0.197 SPACE	EPDM	TRULITE
13	-	-	-	-	-
14	RG 33	FINGER GASKET	0.0186 SPACE	EPDM	TRULITE
15	V2108	GLAZING TAPE	0.250 x 0.375	GLAZING FOAM TAPE	TRULITE
16	H62J	SETTING BLOCK FOR 1-5/16" GLASS	7⁄16" X 1 1⁄16" X 4"	EPDM	TRULITE
17	H62D	SETTING BLOCK FOR 9/16" GLASS	1/2" X 7/16" X 4"	EPDM	TRULITE
18	23126	RETENTION SCREW @ REINF	#12-24 x 3/8" PPH-23 MS	STEEL (ZINC COATED)	ALLOY FASTENER
19	2312650	ASSEMBLY SCREWS	#12-24-1" PPH-23 MS	STEEL (ZINC COATED)	ALLOY FASTENER
20	-	DOWSIL 995	-	SILICONE	DOW CORNING
21	-	PROGLAZE SSG	-	SILICONE	TRULITE
22	-	SIKASIL SG-10	-	SILICONE	SIKA
23	-	HELIMA ALUTEC SERIES OR EQUAL	-	ALUMINUM	HELIMA HELVETION INT./ VARIES
24	ST330	STEEL CHANNEL (LENGTH = FH - 48" MIN.)	3.375 X 1.000 X .125 THK.	STEEL A36 MIN.	VARIES
27	ST334	STEEL CHANNEL W/ FLAT BAR	3.375 X 1.0 X 0.125 & 3.0 X 0.75	STEEL A36 MIN.	VARIES
28	-	3/8" THRU-BOLT	-	STEEL A36 MIN.	VARIES
29	ST337	1.06"x4"x0.875"x316" STEEL CHANNEL	-	STEEL A36 MIN.	VARIES
30	3009	TRANSOM GLASS STOP	-	6063-T6 ALUM	TRULITE
32	23233	ASSEMBLY SCREWS	#14-20-1 1/2" PH TC MS	STEEL (ZINC COATED)	ALLOY FASTENER
33	3103X	GLASS STOP	-	6063-T6 ALUM	TRULITE
34	-	DOWSIL 983	-	SILICONE	DOW CHEMICAL
35	VK1826	GLAZING TAPE	0.250 x 0.375	GLAZING FOAM TAPE	CAPITAL TAPE
36	3003	GLASS STOP	-	6063-T6 ALUM	TRULITE

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 6 FOR OPTIONS.



SERIES 3300 STOREFRONT SYSTEM

- 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.



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