



**MIAMI-DADE COUNTY
PRODUCT CONTROL SECTION**

11805 SW 26 Street, Room 208

Miami, FL 33175

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

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

www.miamidade.gov/economy

NOTICE OF ACCEPTANCE (NOA)

WinDoor, Inc.

104 Triple Diamond Blvd.

North Venice, FL 34275

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 "9020" Aluminum Fixed Thermally Broken Window – S.M.I.

APPROVAL DOCUMENT: Drawing No. **9020 SMI NOA**, titled "Fixed Thermally Broken Window (SMI) sheets 01 through 13 of 13, dated 07/13/20, prepared, signed and sealed by Anthony Lynn Miller, P.E., bearing the Miami-Dade County Product Control Section Revision stamp with the Notice of Acceptance number and expiration date by the Miami-Dade County Product Control Section.

MISSILE IMPACT RATING: Small Missile Impact Resistant

LABELING: Each unit shall bear a permanent label with the manufacturer's name or logo, city, state, model/series, and following statement: "Miami-Dade County Product Control Approved", unless otherwise noted herein.

RENEWAL of this NOA shall be considered after a renewal application has been filed and there has been no change in the applicable building code negatively affecting the performance of this product.

TERMINATION of this NOA will occur after the expiration date or if there has been a revision or change in the materials, use, and/or manufacture of the product or process. Misuse of this NOA as an endorsement of any product, for sales, advertising or any other purposes shall automatically terminate this NOA. Failure to comply with any section of this NOA shall be cause for termination and removal of NOA.

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

INSPECTION: A copy of this entire NOA shall be provided to the user by the manufacturer or its distributors and shall be available for inspection at the job site at the request of the Building Official.

This NOA **revises NOA# 17-0821.12** and consists of this page 1 and evidence pages E-1, E-2 and E-3, as well as approval document mentioned above.

The submitted documentation was reviewed by **Sifang Zhao, P.E.**



S.Z.

11/12/2020

NOA No. 20-0729.12
Expiration Date: November 29, 2022
Approval Date: November 12, 2020
Page 1

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

1. EVIDENCE SUBMITTED UNDER PREVIOUS NOA's

A. DRAWINGS

1. Manufacturer's die drawings and sections. **(Submitted under NOA No. 12-0627.06)**
2. Drawing No. 08-01635, titled "9020 Picture Window - Small Missile Impact", sheets 1, 2, 2A, 3, 4, 5, 6, 7, 7A, 8, 9, 10 and 11 of 11, dated 06/20/12, with revision F dated 10/25/17, prepared by manufacturer, signed and sealed by Luis R. Lomas, P.E.

B. TESTS

1. Test reports on: 1) Air Infiltration Test, per FBC, TAS 202-94
2) Uniform Static Air Pressure Test, Loading per FBC, TAS 202-94
3) Water Resistance Test, per FBC, TAS 202-94
4) Small Missile Impact Test per FBC, TAS 201-94
5) Cyclic Wind Pressure Loading per FBC, TAS 203-94
6) Forced Entry Test, per FBC 2411 3.2.1, TAS 202-94
along with installation diagram of an aluminum fixed window, prepared by National Certified Testing Laboratories, Test Report No. **NCTL-210-3778-1**, Specimens 1, 2, 3, 4, 5, 6, 7, 8 and 9, Test Report No. **NCTL-210-3778-2**, Specimens 1, 2, 3, 4, 5, 6 and 7, dated 04/17/12, revised on 07/22/13 and updated on 09/27/13, signed and sealed by Gerald J. Ferrara, P.E. **(Submitted under NOA# 12-0627.06)**

C. CALCULATIONS

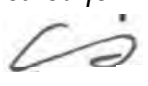
1. Anchor verification calculations and structural analysis, complying with **FBC-5th Edition (2014)**, dated 09/05/14, prepared by manufacturer, signed and sealed by Luis R. Lomas, P.E.
2. Glazing complies with **ASTM E1300-04**.

D. QUALITY ASSURANCE

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

E. MATERIAL CERTIFICATIONS

1. NOA No. 14-0916.11 issued to Kuraray America, Inc. for their "SentryGlas® (Clear and White) Glass Interlayers" dated 06/25/15, expiring on 07/04/18.
2. Test report No. **ATI-60520-106.18**, prepared by Architectural Testing, Inc., dated 11/09/06, with Revision #1 dated 11/29/06, issued to ENSINGER, Inc., for their **Tecatherm® 66 GF Insulbar Thermal Barrier plastic material** per **ASTM D635-98** "Standard Test Method for Rate of Burning and/or Extent and Time of Burning of Plastics in a Horizontal Position" and **ASTM D2843-99** "Standard Test Method for the Density of Smoke from the Burning Decomposition of Plastics", **ASTM D1929-96** (2000)e01 "Standard Test Method for Ignition Properties of Plastics", also per **ASTM G 155-00ae1** "Standard Practice for Operating Xenon Arc Light Apparatus for Exposure of Non-Metallic Materials" and **ASTM D638-03** "Standard Test Method for Tensile Properties of Plastics", signed and sealed by Joseph A. Reeves, P.E. **(Submitted under NOA# 14-0107.12)**


Sifang Zhao P.E.
Product Control Examiner
NOA No. 20-0729.12
Expiration Date: November 29, 2022
Approval Date: November 12, 2020

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

F. STATEMENTS

1. Statement letter of conformance to FBC-5th Edition (2014) and FBC-6th Edition (2017), and of no financial interest, dated 10/19/17, issued by manufacturer, signed and sealed by Luis R. Lomas, P.E.

G. OTHERS

1. Notice of Acceptance No. **14-0916.13**, issued to WinDoor, Inc. for their Series “9020” Aluminum Fixed Window - S.M.I. approved on 11/06/14 and expiring on 11/29/17.

2. NEW EVIDENCE SUBMITTED

A. DRAWINGS

1. Drawing No. **9020 SMI NOA**, titled “Fixed Thermally Broken Window (SMI) sheets 01 through 13 of 13, dated 07/13/20, prepared, signed and sealed by Anthony Lynn Miller, P.E.

B. TESTS

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

along with marked-up drawings and installation diagram of WinDoor, Inc. representative units listed below and tested to qualify Dowsil 791 and Dowsil 983 silicones, per Proposal #19-1155TP.

Test Report	Product Name		Unit in TP	Signed and Sealed	Date
FTL 20-1078.1	WinDoor	PW3000 Aluminum Fixed Lite	11	Idalmis Ortega, P.E.	08/24/20
FTL 20-1078.2	WinDoor	HR9470 Thermally Broken Aluminum Horizontal Roller	12	Idalmis Ortega, P.E.	08/24/20
FTL 20-1078.3	WinDoor	SGD8100 Aluminum Sliding Glass Door	13	Idalmis Ortega, P.E.	08/24/20
FTL 20-1078.4	WinDoor	HR9470 Thermally Broken Aluminum Horizontal Roller	14	Idalmis Ortega, P.E.	08/24/20
FTL 20-1078.5	WinDoor	PW9020 Thermally Broken Aluminum Fixed Lite	15	Idalmis Ortega, P.E.	08/24/20
FTL 20-1078.6	WinDoor	PW9020 Thermally Broken Aluminum Fixed Lite	16	Idalmis Ortega, P.E.	08/24/20

C. CALCULATIONS

1. None.

D. QUALITY ASSURANCE

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

E. MATERIAL CERTIFICATIONS

1. NOA No. 17-0808.02 issued to Kuraray America, Inc. for their “SentryGlas® (Clear and White) Glass Interlayers” dated 12/28/17, expiring on 07/04/23.



Sifang Zhao P.E.

Product Control Examiner

NOA No. 20-0729.12

Expiration Date: November 29, 2022

Approval Date: November 12, 2020

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

F. STATEMENTS

1. Statement letter of conformance, of complying with FBC 6th Edition (2017), and FBC 7th Edition (2020), and of no financial interest, dated July 20, 2020, issued by manufacturer, signed and sealed by Anthony Lynn Miller, P.E.
2. Notification of Successor Engineer for manufacturer's NOA document per **Section 61G15-27.001** of the **Florida Administrative Code**, notifying original engineer that the successor engineer is assuming full professional and legal responsibility for all engineering documents pertaining to this NOA, dated May 11, 2020, signed and sealed by Anthony Lynn Miller, P.E.
3. Proposal No. 19-1155 TP issued by the Product Control Section, dated January 10, 2020, signed by Ishaq Chanda, P.E.

G. OTHERS

1. This NOA revises NOA #17-0821.12, expiring on 11/29/22.



Sifang Zhao P.E.
Product Control Examiner
NOA No. 20-0729.12
Expiration Date: November 29, 2022
Approval Date: November 12, 2020

NOTES:

1. THE PRODUCT SHOWN HEREIN IS DESIGNED AND MANUFACTURED TO COMPLY WITH REQUIREMENTS OF THE FLORIDA BUILDING CODE 6TH EDITION (2017) AND 7TH EDITION (2020) INCLUDING THE HVHZ.
2. WOOD FRAMING AND MASONRY OPENING TO BE DESIGNED AND ANCHORED TO PROPERLY TRANSFER ALL LOADS TO STRUCTURE. FRAMING AND MASONRY OPENING IS THE RESPONSIBILITY OF THE ARCHITECT OR ENGINEER OF RECORD.
3. 1X BUCK OVER MASONRY/CONCRETE IS OPTIONAL.
4. WHERE SHIM OR BUCK THICKNESS IS LESS THAN 1-1/2" WINDOW UNITS MUST BE ANCHORED THROUGH THE FRAME IN ACCORDANCE WITH MANUFACTURER'S PUBLISHED INSTALLATION INSTRUCTIONS. ANCHORS SHALL BE SECURELY FASTENED DIRECTLY INTO MASONRY, CONCRETE OR OTHER STRUCTURAL SUBSTRATE MATERIAL.
5. WHERE WOOD BUCK THICKNESS IS 1-1/2" OR GREATER, BUCK SHALL BE SECURELY FASTENED TO MASONRY, CONCRETE OR OTHER STRUCTURAL SUBSTRATE. WINDOW UNITS MAY BE ANCHORED THROUGH FRAME TO SECURED WOOD BUCK IN ACCORDANCE WITH MANUFACTURER'S PUBLISHED INSTALLATION INSTRUCTIONS.
6. WHERE 1X BUCK IS NOT USED DISSIMILAR MATERIALS MUST BE SEPARATED WITH APPROVED COATING OR MEMBRANE. SELECTION OF COATING OR MEMBRANE IS THE RESPONSIBILITY OF THE ARCHITECT OR ENGINEER OF RECORD.
7. BUCKS SHALL EXTEND BEYOND WINDOW INTERIOR FACE SO THAT FULL FRAME SUPPORT IS PROVIDED.
8. SHIM AS REQUIRED AT EACH INSTALLATION ANCHOR WITH LOAD BEARING SHIM. SHIM WHERE SPACE OF 1/16" OR GREATER OCCURS. MAXIMUM ALLOWABLE SHIM STACK TO BE 1/4".
9. SHIMS SHALL BE MADE FROM MATERIALS CAPABLE OF SUSTAINING APPLICABLE LOADS, LOCATED AND APPLIED IN A THICKNESS CAPABLE OF SUSTAINING APPLICABLE LOADS.
10. WIND LOAD DURATION FACTOR Cd=1.6 WAS USED FOR WOOD ANCHOR CALCULATIONS.
11. FRAME MATERIAL: ALUMINUM 6063-T6.
12. UNITS MUST BE GLAZED PER ASTM E1300-04, SEE SHEET 7 FOR GLASS DETAILS.
13. APPROVED IMPACT PROTECTIVE SYSTEM IS NOT REQUIRED FOR THIS PRODUCT IN WIND BORNE DEBRIS REGIONS WHEN INSTALLED ABOVE 30FT HEIGHT.

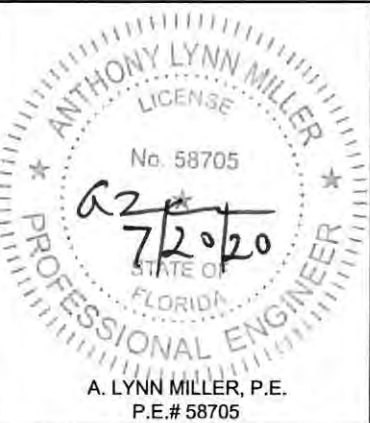
14. FOR ANCHORING INTO WOOD FRAMING OR 2X BUCK USE #12 WOOD SCREWS WITH SUFFICIENT LENGTH TO ACHIEVE A 1 7/16" MINIMUM EMBEDMENT INTO SUBSTRATE WITH 9/16" MINIMUM EDGE DISTANCE. LOCATE ANCHORS AS SHOWN IN ELEVATIONS AND INSTALLATION DETAILS.
15. FOR ANCHORING INTO MASONRY/CONCRETE USE 1/4" ITW TAPCONS WITH SUFFICIENT LENGTH TO ACHIEVE A 1 1/4" MINIMUM EMBEDMENT INTO SUBSTRATE WITH 2 1/2" MINIMUM EDGE DISTANCE. LOCATE ANCHORS AS SHOWN IN ELEVATIONS AND INSTALLATION DETAILS.
16. FOR ANCHORING INTO METAL STRUCTURE USE #12 SMS OR SELF DRILLING SCREWS GRADE 5 WITH SUFFICIENT LENGTH TO ACHIEVE 3 THREADS MINIMUM BEYOND STRUCTURE INTERIOR WALL. LOCATE ANCHORS AS SHOWN IN ELEVATIONS AND INSTALLATION DETAILS.
17. ALL FASTENERS TO BE CORROSION RESISTANT.
18. INSTALLATION ANCHORS SHALL BE INSTALLED IN ACCORDANCE WITH ANCHOR MANUFACTURER'S INSTALLATION INSTRUCTIONS AND ANCHORS SHALL NOT BE USED IN SUBSTRATES WITH STRENGTHS LESS THAN THE MINIMUM STRENGTH SPECIFIED BELOW:
 - A. WOOD - MINIMUM SPECIFIC GRAVITY OF G=0.42
 - B. CONCRETE - MINIMUM COMPRESSIVE STRENGTH OF 3,192 PSI.
 - C. MASONRY - STRENGTH CONFORMANCE TO ASTM C-90, GRADE N, TYPE 1 (OR GREATER).
 - D. METAL STRUCTURE: STEEL 18GA, 33KSI OR ALUMINUM 6063-T5 1/8" THICK MINIMUM
19. APPROVED GEOMETRIC SHAPES DIMENSIONS SHALL NOT EXCEED AN AREA OF 50 SQUARE FEET AS TESTED. GEOMETRIC SHAPES ARE NOT LIMITED TO SHAPES SHOWN HEREIN.

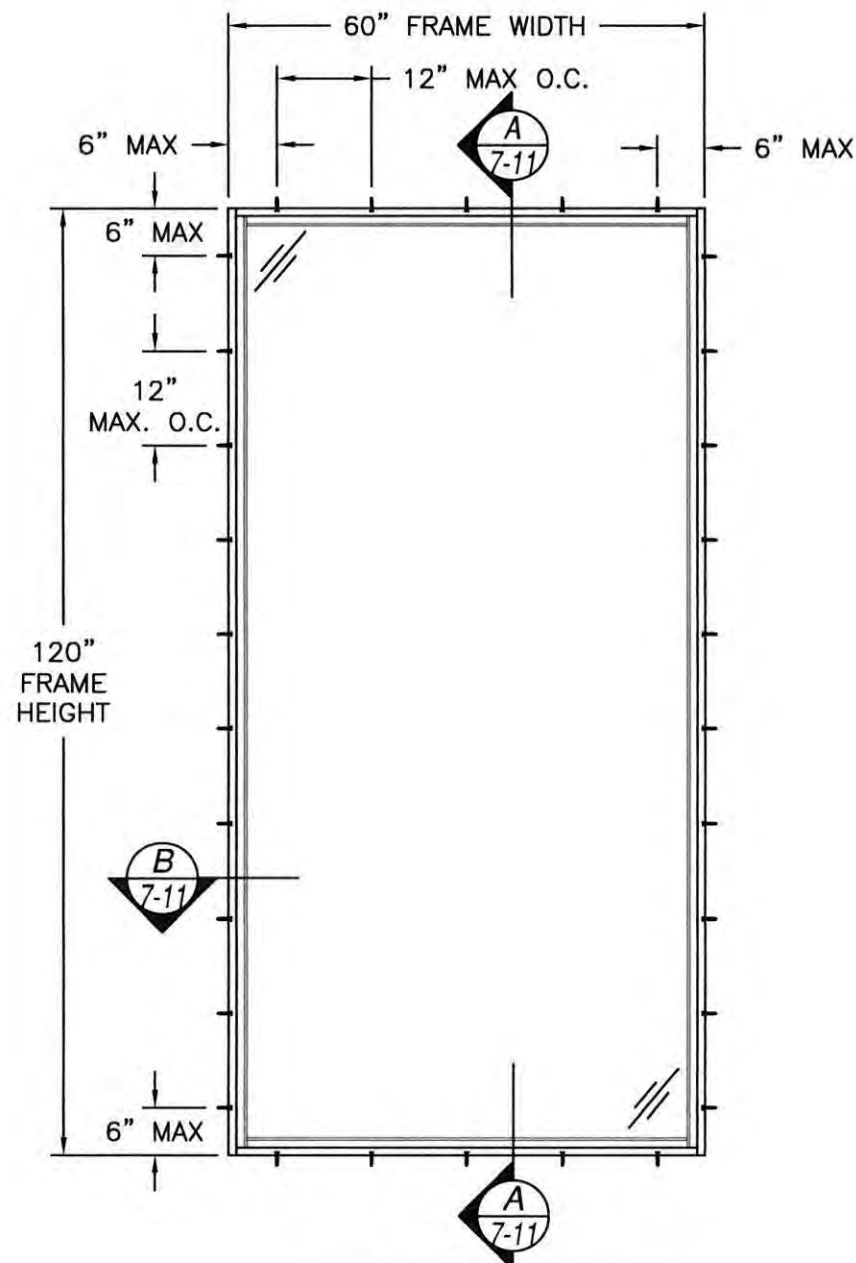
TABLE OF CONTENTS	
SHEET NO.	DESCRIPTION
1	NOTES
2-6	ELEVATIONS, SHAPES AND DP CHARTS
7-9	BOM, CROSS SECTIONS AND GLAZING DETAILS
10-11	INSTALLATION DETAILS
12	EXTRUSIONS
13	ASSEMBLY DETAILS

PRODUCT REVISED
as complying with the Florida
Building Code
NOA-No. 20-0729.12
Expiration Date 11/29/2022
By 
Miami-Dade Product Control

Revision: UPDATES FOR 2020 FBC.
UPDATED MANUFACTURING
ADDRESS.

PREPARED BY A. LYNN MILLER 1070 TECHNOLOGY DRIVE N. VENICE, FL 34275 (941) 480-1600 REGISTRATION #29296		Date	07/13/20	Rev	
		By	ERIN KOSS	9020 SMI NOA	
WINDOOR® INCORPORATED WINDOOR INCORPORATED 104 TRIPLE DIAMOND BLVD. NORTH VENICE, FL 34275 (833) 554-5432		FIXED THERMALLY BROKEN WINDOW (SM)		No.	DWG
		NOTES		1 OF 13	Sheet
				PW9020T	





9020 PICTURE WINDOW
EXTERIOR VIEW

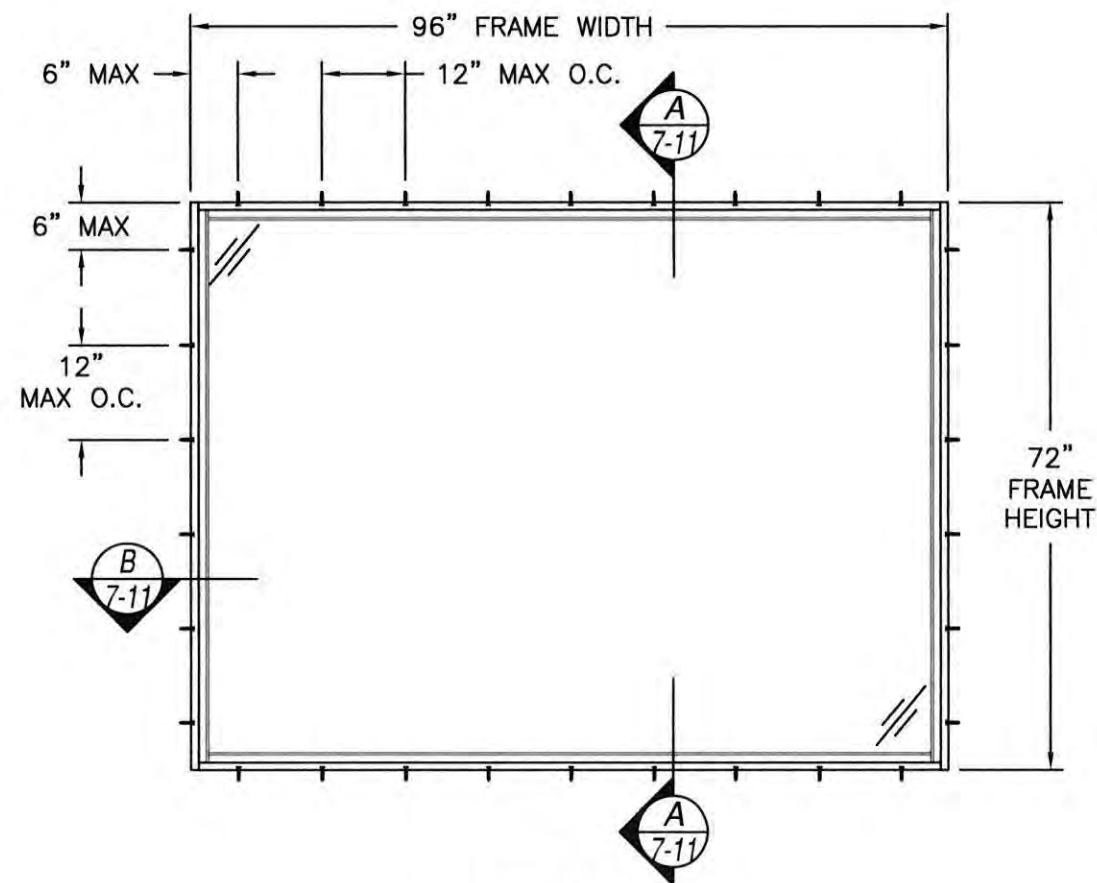
REFER TO CHARTS #1 AND #2 IN SHEET 4 FOR OTHER UNIT SIZES AND RATINGS

DESIGN PRESSURE RATING	IMPACT RATING
$\pm 100.0\text{PSF}$	SMALL MISSILE IMPACT

WITH GLAZING A

DESIGN PRESSURE RATING	IMPACT RATING
$\pm 90.0\text{PSF}$	SMALL MISSILE IMPACT

WITH GLAZING B



9020 PICTURE WINDOW
EXTERIOR VIEW

REFER TO CHARTS #1 AND #2 IN SHEET 4 FOR OTHER UNIT SIZES AND RATINGS

DESIGN PRESSURE RATING	IMPACT RATING
$\pm 110.0\text{PSF}$	SMALL MISSILE IMPACT

WITH GLAZING A

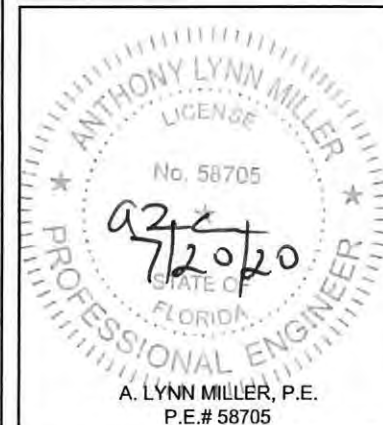
DESIGN PRESSURE RATING	IMPACT RATING
$\pm 100.0\text{PSF}$	SMALL MISSILE IMPACT

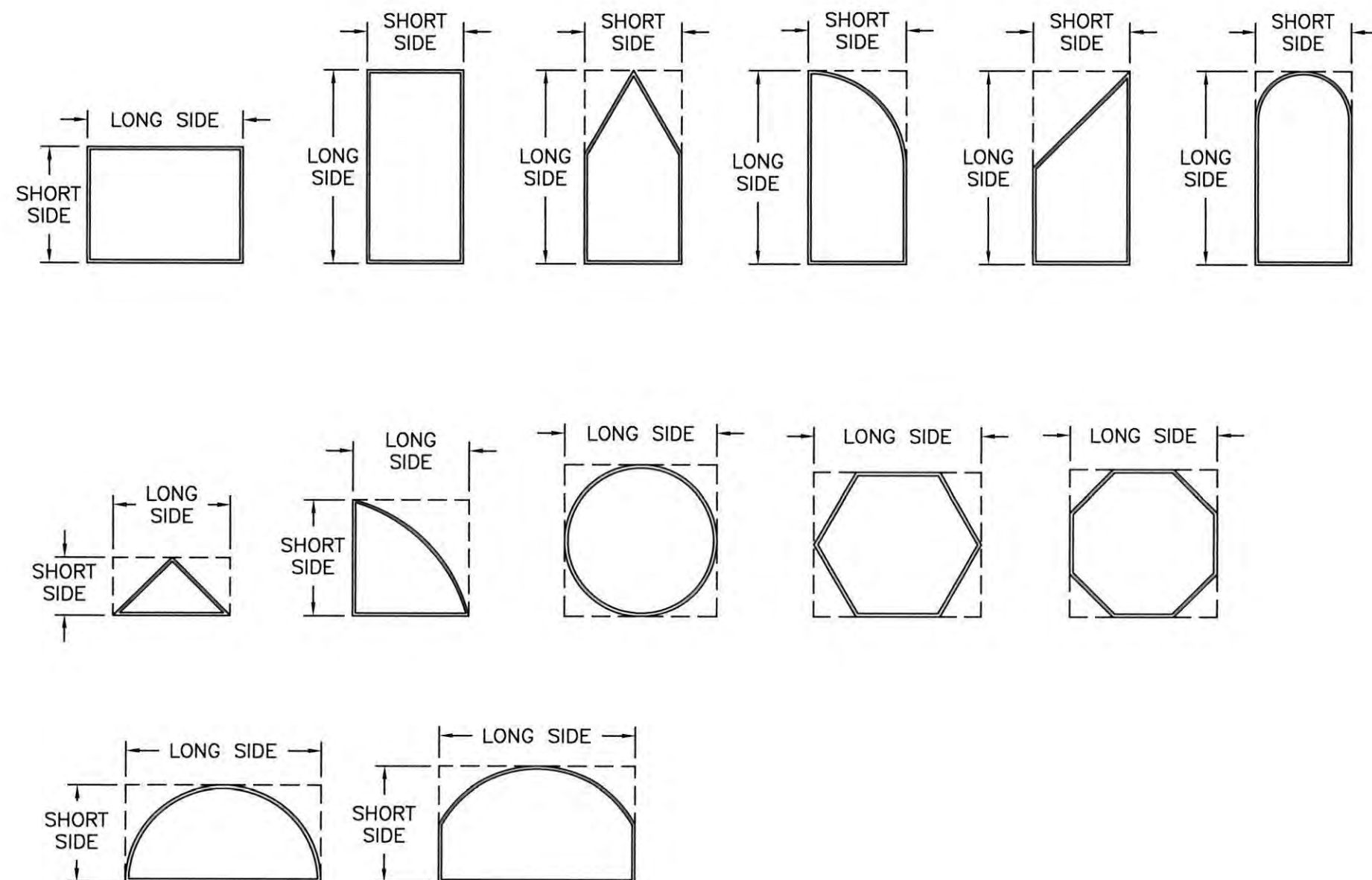
WITH GLAZING B

PRODUCT REVISED
as complying with the Florida
Building Code
NOA-No. 20-0729.12
Expiration Date 11/29/2022
By 
Miami-Dade Product Control

REMOVED GLAZING C.

WINDOOR® INCORPORATED		PREPARED BY A. LYNN MILLER 1070 TECHNOLOGY DRIVE N. VENICE, FL 34275 (941) 480-1600 REGISTRATION #29296			
WINDOOR INCORPORATED 104 TRIPLE DIAMOND BLVD. NORTH VENICE, FL 34275 (833) 554-5432		FIXED THERMALLY BROKEN WINDOW (SM)		Date	07/13/20
ELEVATIONS - SINGLE		By ERIN KOSS		DWG No.	
PW9020T		2 OF 13		9020 SMI NOA	
Series Desc.		Title		Rev.	





- NOTES:
- SEE NOTE 19 SHEET 1.
 - ALL ARCHITECTURAL WINDOW SHAPES QUALIFIED, COMMON EXAMPLES SHOWN. INSCRIBE THE SHAPE IN A BLOCK (SEE EXAMPLES ABOVE) AND OBTAIN DESIGN PRESSURES FOR THAT BLOCK SIZE FROM CHARTS #1 AND #2 ON SHEET 4.

PRODUCT REVISED
as complying with the Florida
Building Code
NOA-No. 20-0729.12
Expiration Date 11/29/2022
By
Miami-Dade Product Control

Revision: UPDATED DIMENSIONS TO
SHORT AND LONG, ADDED NOTE
2.

WINDOOR® INCORPORATED		PREPARED BY A. LYNN MILLER 1070 TECHNOLOGY DRIVE N. VENICE, FL 34275 (941) 480-1600 REGISTRATION #29296	
WINDOOR INCORPORATED 104 TRIPLE DIAMOND BLVD. NORTH VENICE, FL 34275 (833) 554-5432		FIXED THERMALLY BROKEN WINDOW (SM)	
Title		Date	07/13/20
Series		By	ERIN KOSS
Desc.		SHAPES	
PW9020T		9020 SMI NOA	
Sheet		DWG No.	
3 OF 13		Rev	

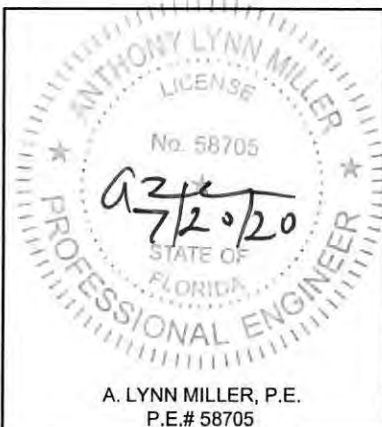


CHART #1

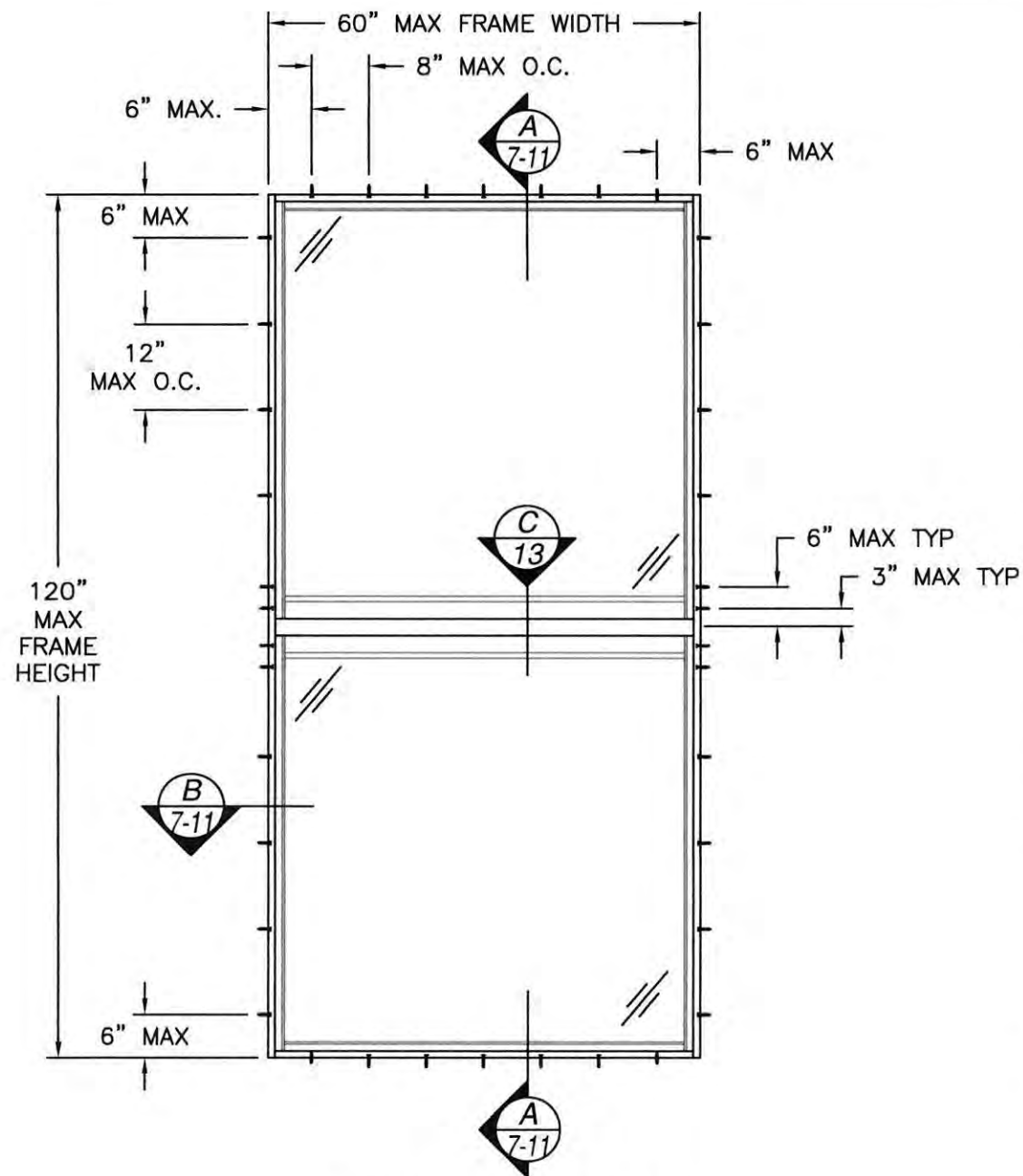
Maximum Design Pressure Capacity Chart (psf) for Units with Glazing A																										
Frame Height (in)	Frame Width (in)																									
	24.0		30.0		36.0		42.0		48.0		54.0		60.0		66.0		72.0		78.0		84.0		90.0		98.0	
	Pos	Neg	Pos	Neg	Pos	Neg	Pos	Neg	Pos	Neg	Pos	Neg	Pos	Neg	Pos	Neg	Pos	Neg	Pos	Neg	Pos	Neg	Pos	Neg	Pos	Neg
24.0	147.3	147.3	146.0	146.0	144.7	144.7	143.3	143.3	142.0	142.0	140.7	140.7	139.3	139.3	138.0	138.0	136.7	136.7	135.3	135.3	134.0	134.0	132.7	132.7	131.3	131.3
30.0	146.0	146.0	145.8	145.8	144.2	144.2	142.5	142.5	140.8	140.8	139.2	139.2	137.5	137.5	135.8	135.8	134.2	134.2	132.5	132.5	130.8	130.8	129.2	129.2	127.5	127.5
36.0	144.7	144.7	144.2	144.2	144.0	144.0	142.0	142.0	140.0	140.0	138.0	138.0	136.0	136.0	134.0	134.0	132.0	132.0	130.0	130.0	128.0	128.0	126.0	126.0	124.0	124.0
42.0	143.3	143.3	142.5	142.5	142.0	142.0	141.8	141.8	139.5	139.5	137.2	137.2	134.8	134.8	132.5	132.5	130.2	130.2	127.8	127.8	125.5	125.5	123.2	123.2	120.8	120.8
48.0	142.0	142.0	140.8	140.8	140.0	140.0	139.5	139.5	139.3	139.3	136.7	136.7	134.0	134.0	131.3	131.3	128.7	128.7	126.0	126.0	123.3	123.3	120.7	120.7	118.0	118.0
54.0	140.7	140.7	139.2	139.2	138.0	138.0	137.2	137.2	136.7	136.7	136.5	136.5	133.5	133.5	130.5	130.5	127.5	127.5	124.5	124.5	121.5	121.5	118.5	118.5	115.5	115.5
60.0	139.3	139.3	137.5	137.5	136.0	136.0	134.8	134.8	134.0	134.0	133.5	133.5	133.3	133.3	130.0	130.0	126.7	126.7	123.3	123.3	120.0	120.0	116.7	116.7	113.3	113.3
66.0	138.0	138.0	135.8	135.8	134.0	134.0	132.5	132.5	131.3	131.3	130.5	130.5	130.0	130.0	129.8	129.8	126.2	126.2	122.5	122.5	118.8	118.8	115.2	115.2	111.5	111.5
72.0	136.7	136.7	134.2	134.2	132.0	132.0	130.2	130.2	128.7	128.7	127.5	127.5	126.7	126.7	126.2	126.2	126.0	126.0	122.0	122.0	118.0	118.0	114.0	114.0	110.0	110.0
78.0	135.3	135.3	132.5	132.5	130.0	130.0	127.8	127.8	126.0	126.0	124.5	124.5	123.3	123.3	122.5	122.5	122.0	122.0	121.8	121.8	117.5	117.5	-	-	-	-
84.0	134.0	134.0	130.8	130.8	128.0	128.0	125.5	125.5	123.3	123.3	121.5	121.5	120.0	120.0	118.8	118.8	118.0	118.0	117.5	117.5	-	-	-	-	-	-
90.0	132.7	132.7	129.2	129.2	126.0	126.0	123.2	123.2	120.7	120.7	118.5	118.5	116.7	116.7	115.2	115.2	114.0	114.0	-	-	-	-	-	-	-	-
96.0	131.3	131.3	127.5	127.5	124.0	124.0	120.8	120.8	118.0	118.0	115.5	115.5	113.3	113.3	111.5	111.5	110.0	110.0	-	-	-	-	-	-	-	-
102.0	130.0	130.0	125.8	125.8	122.0	122.0	118.5	118.5	115.3	115.3	112.5	112.5	110.0	110.0	107.8	107.8	-	-	-	-	-	-	-	-	-	-
108.0	128.7	128.7	124.2	124.2	120.0	120.0	116.2	116.2	112.7	112.7	109.5	109.5	106.7	106.7	-	-	-	-	-	-	-	-	-	-	-	-
114.0	127.3	127.3	122.5	122.5	118.0	118.0	113.8	113.8	110.0	110.0	106.5	106.5	103.3	103.3	-	-	-	-	-	-	-	-	-	-	-	-
120.0	126.0	126.0	120.8	120.8	116.0	116.0	111.5	111.5	107.3	107.3	103.5	103.5	100.0	100.0	-	-	-	-	-	-	-	-	-	-	-	-
126.0	124.7	124.7	119.2	119.2	114.0	114.0	109.2	109.2	104.7	104.7	100.5	100.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-
132.0	123.3	123.3	117.5	117.5	112.0	112.0	106.8	106.8	102.0	102.0	97.5	97.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-
138.0	122.0	122.0	115.8	115.8	110.0	110.0	104.5	104.5	99.3	99.3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
144.0	120.7	120.7	114.2	114.2	108.0	108.0	102.2	102.2	96.7	96.7	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

SMALL MISSILE IMPACT

CHART #2

Maximum Design Pressure Capacity Chart (psf) for Units with Glazing B																										
Frame Height (in)	Frame Width (in)																									
	24.0		30.0		36.0		42.0		48.0		54.0		60.0		66.0		72.0		78.0		84.0		90.0		98.0	
	Pos	Neg	Pos	Neg	Pos	Neg	Pos	Neg	Pos	Neg	Pos	Neg	Pos	Neg	Pos	Neg	Pos	Neg	Pos	Neg	Pos	Neg	Pos	Neg	Pos	Neg
24.0	125.0	125.0	125.0	125.0	125.0	125.0	125.0	125.0	125.0	125.0	125.0	125.0	125.0	125.0	125.0	125.0	125.0	125.0	125.0	125.0	124.0	124.0	122.7	122.7	121.3	121.3
30.0	125.0	125.0	125.0	125.0	125.0	125.0	125.0	125.0	125.0	125.0	125.0	125.0	125.0	125.0	125.0	125.0	124.2	124.2	122.5	122.5	120.8	120.8	119.2	119.2	117.5	117.5
36.0	125.0	125.0	125.0	125.0	125.0	125.0	125.0	125.0	125.0	125.0	125.0	125.0	125.0	125.0	124.0	124.0	122.0	122.0	120.0	120.0	118.0	118.0	116.0	116.0	114.0	114.0
42.0	125.0	125.0	125.0	125.0	125.0	125.0	125.0	125.0	125.0	125.0	125.0	125.0	124.8	124.8	122.5	122.5	120.2	120.2	117.8	117.8	115.5	115.5	113.2	113.2	110.8	110.8
48.0	125.0	125.0	125.0	125.0	125.0	125.0	125.0	125.0	125.0	125.0	125.0	125.0	124.0	124.0	121.3	121.3	118.7	118.7	116.0	116.0	113.3	113.3	110.7	110.7	108.0	108.0
54.0	125.0	125.0	125.0	125.0	125.0	125.0	125.0	125.0	125.0	125.0	125.0	125.0	123.5	123.5	102.5	102.5	117.5	117.5	114.5	114.5	111.5	111.5	108.5	108.5	105.5	105.5
60.0	125.0	125.0	125.0	125.0	125.0	125.0	124.8	124.8	124.0	124.0	123.5	123.5	123.3	123.3	120.0	120.0	116.7	116.7	113.3	113.3	110.0	110.0	106.7	106.7	103.3	103.3
66.0	125.0	125.0	125.0	125.0	124.0	124.0	122.5	122.5	121.3	121.3	120.5	120.5	120.0	120.0	119.8	119.8	116.2	116.2	112.5	112.5	108.8	108.8	105.2	105.2	101.5	101.5
72.0	125.0	125.0	124.2	124.2	122.0	122.0	120.2	120.2	118.7	118.7	117.5	117.5	116.7	116.7	116.2	116.2	116.0	116.0	112.0	112.0	108.0	108.0	104.0	104.0	100.0	100.0
78.0	125.0	125.0	122.5	122.5	120.0	120.0	117.8	117.8	116.0	116.0	114.5	114.5	113.3	113.3	112.5	112.5	112.0	112.0	111.8	111.8	107.5	107.5	-	-	-	-
84.0	124.0	124.0	120.8	120.8	118.0	118.0	115.5	115.5	113.3	113.3	111.5	111.5	110.0	110.0	108.8	108.8	106.0	106.0	107.5	107.5	-	-	-	-	-	-
90.0	122.7	122.7	119.2	119.2	116.0	116.0	113.2	113.2	110.7	110.7	108.5	108.5	106.7	106.7	105.2	105.2	104.0	104.0	-	-	-	-	-	-	-	-
96.0	121.3	121.3	117.5	117.5	114.0	114.0	110.8	110.8	108.0	108.0	105.5	105.5	103.3	103.3	101.5	101.5	100.0	100.0	-	-	-	-	-	-	-	-
102.0	120.0	120.0	115.8	115.8	112.0	112.0	108.5	108.5	105.3	105.3	102.5	102.5	100.0	100.0	97.8	97.8	-	-	-	-	-	-	-	-	-	-
108.0	118.7	118.7	114.2	114.2	110.0	110.0	106.2	106.2	102.7	102.7	99.5	99.5	96.7	96.7	-	-	-	-	-	-	-	-	-	-	-	-
114.0	117.3	117.3	112.5	112.5	108.0	108.0	103.8	103.8	100.0	100.0	96.5	96.5	93.3	93.3	-	-	-	-	-	-	-	-	-	-	-	-
120.0	116.0	116.0	110.8	110.8	106.0	106.0	101.5	101.5	97.3	97.3	93.5	93.5	90.0	90.0	-	-	-	-	-	-	-	-	-	-	-	-
126.0	114.7	114.7	109.2	109.2	104.0	104.0	99.2	99.2	94.7	94.7	90.5	90.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-
132.0	113.3	113.3	107.5	107.5	102.0	102.0	96.8	96.8	92.0	92.0	87.5	87.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-
138.0	112.0	112.0	105.8	105.8	100.0	100.0	94.5	94.5	89.3	89.3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
144.0	110.7	110.7	104.2	104.2	98.0	98.0	92.2	92.2	86.7	86.7	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

SMALL MISSILE IMP



9020 PICTURE WINDOW
EXTERIOR VIEW

REFER TO CHART #3 THIS SHEET FOR OTHER UNIT SIZES AND RATINGS

DESIGN PRESSURE RATING	IMPACT RATING
±100.0PSF	SMALL MISSILE IMPACT

WITH GLAZING A AND B

CHART #3

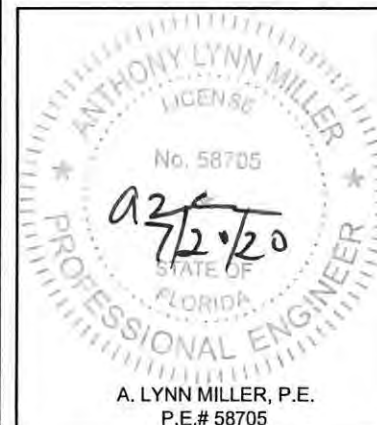
Maximum Design Pressure Capacity Chart (psf) for Units with Glazing A and B														
Frame Height (in)	Frame Width (in)													
	24.0		30.0		36.0		42.0		48.0		54.0		60.0	
	Pos	Neg	Pos	Neg	Pos	Neg	Pos	Neg	Pos	Neg	Pos	Neg	Pos	Neg
24.0	100.0	125.0	100.0	125.0	100.0	125.0	100.0	125.0	100.0	125.0	100.0	125.0	100.0	125.0
30.0	100.0	125.0	100.0	125.0	100.0	125.0	100.0	125.0	100.0	125.0	100.0	125.0	100.0	125.0
36.0	100.0	125.0	100.0	125.0	100.0	125.0	100.0	125.0	100.0	125.0	100.0	125.0	100.0	125.0
42.0	100.0	125.0	100.0	125.0	100.0	125.0	100.0	125.0	100.0	125.0	100.0	125.0	100.0	125.0
48.0	100.0	125.0	100.0	125.0	100.0	125.0	100.0	125.0	100.0	125.0	100.0	125.0	100.0	125.0
54.0	100.0	125.0	100.0	125.0	100.0	125.0	100.0	125.0	100.0	125.0	100.0	125.0	100.0	125.0
60.0	100.0	125.0	100.0	125.0	100.0	125.0	100.0	125.0	100.0	125.0	100.0	125.0	100.0	125.0
66.0	100.0	125.0	100.0	125.0	100.0	125.0	100.0	125.0	100.0	125.0	100.0	125.0	100.0	125.0
72.0	100.0	125.0	100.0	125.0	100.0	125.0	100.0	125.0	100.0	125.0	100.0	125.0	100.0	119.0
78.0	100.0	125.0	100.0	125.0	100.0	125.0	100.0	125.0	100.0	125.0	100.0	125.0	100.0	114.0
84.0	100.0	125.0	100.0	125.0	100.0	125.0	100.0	125.0	100.0	125.0	100.0	125.0	100.0	109.9
90.0	100.0	125.0	100.0	125.0	100.0	125.0	100.0	125.0	100.0	125.0	100.0	125.0	100.0	106.7
96.0	100.0	125.0	100.0	125.0	100.0	125.0	100.0	125.0	100.0	125.0	100.0	125.0	100.0	104.2
102.0	100.0	125.0	100.0	125.0	100.0	125.0	100.0	125.0	100.0	125.0	100.0	123.8	100.0	102.3
108.0	100.0	125.0	100.0	125.0	100.0	125.0	100.0	125.0	100.0	125.0	100.0	123.5	100.0	101.0
114.0	100.0	125.0	100.0	125.0	100.0	125.0	100.0	125.0	100.0	125.0	100.0	123.5	100.0	100.3
120.0	100.0	125.0	100.0	125.0	100.0	125.0	100.0	125.0	100.0	125.0	100.0	123.5	100.0	100.0

SMALL MISSILE IMPACT

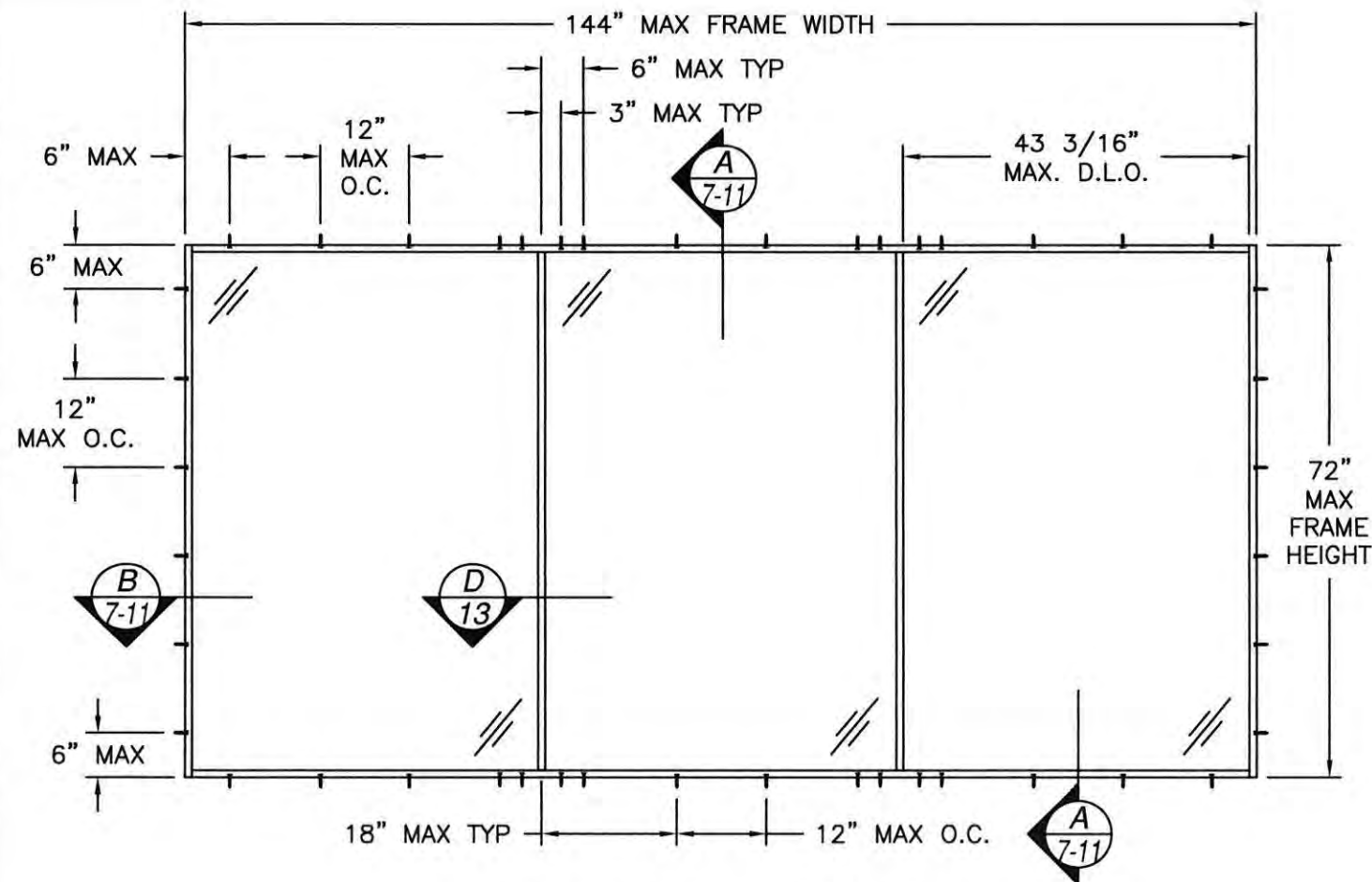
PRODUCT REVISED
as complying with the Florida
Building Code
NOA-No. 20-0729.12
Expiration Date 11/29/2022
By
Miami-Dade Product Control

Revision: NO CHANGES THIS SHEET.

PREPARED BY A. LYNN MILLER 1070 TECHNOLOGY DRIVE N. VENICE, FL 34275 (941) 480-1600 REGISTRATION #29296	WINDOOR [®] INCORPORATED WINDOOR INCORPORATED 104 TRIPLE DIAMOND BLVD. NORTH VENICE, FL 34275 (833) 554-5432	FIXED THERMALLY BROKEN WINDOW (SM) ELEVATION & DP - TWIN	Date	07/13/20	Rev	
			By	ERIN KOSS	DWG	9020 SMI NOA
			Sheet	5 OF 13		
			Series	PW9020T		



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



9020 TRIPLE PICTURE WINDOW
EXTERIOR VIEW
REFER TO CHART #4 THIS SHEET FOR OTHER UNIT SIZES AND RATINGS.

DESIGN PRESSURE RATING	IMPACT RATING
+70.0/-75.0PSF	SMALL MISSILE IMPACT

WITH GLAZING A AND B

CHART #4

Maximum Design Pressure Capacity Chart (psf) for Units with Glazing A and B														
Frame Height (in)	Frame Width (in)													
	36.0		54.0		72.0		90.0		108.0		126.0		144.0	
	Pos	Neg	Pos	Neg	Pos	Neg	Pos	Neg	Pos	Neg	Pos	Neg	Pos	Neg
24.0	70.0	125.0	70.0	125.0	70.0	125.0	70.0	125.0	70.0	125.0	70.0	125.0	70.0	125.0
30.0	70.0	125.0	70.0	125.0	70.0	125.0	70.0	125.0	70.0	125.0	70.0	125.0	70.0	125.0
36.0	70.0	125.0	70.0	125.0	70.0	125.0	70.0	125.0	70.0	125.0	70.0	125.0	70.0	125.0
42.0	70.0	125.0	70.0	125.0	70.0	125.0	70.0	125.0	70.0	125.0	70.0	125.0	70.0	125.0
48.0	70.0	125.0	70.0	125.0	70.0	125.0	70.0	125.0	70.0	125.0	70.0	125.0	70.0	125.0
54.0	70.0	125.0	70.0	125.0	70.0	125.0	70.0	125.0	70.0	125.0	70.0	124.7	70.0	120.0
60.0	70.0	125.0	70.0	125.0	70.0	125.0	70.0	125.0	70.0	114.3	70.0	105.5	70.0	100.0
66.0	70.0	125.0	70.0	125.0	70.0	125.0	70.0	112.9	70.0	100.0	70.0	91.4	70.0	85.7
72.0	70.0	125.0	70.0	125.0	70.0	120.0	70.0	101.1	70.0	88.9	70.0	80.7	70.0	75.0

SMALL MISSILE IMPACT

PRODUCT REVISED
as complying with the Florida Building Code
NOA-No. 20-0729.12
Expiration Date 11/29/2022
By
Miami-Dade Product Control

REMOVED GLAZING C.

PREPARED BY A. LYNN MILLER
1070 TECHNOLOGY DRIVE
N. VENICE, FL 34275
(941) 480-1600
REGISTRATION #29296

WINDOOR
INCORPORATED
WINDOOR INCORPORATED
104 TRIPLE DIAMOND BLVD.
NORTH VENICE, FL 34275
(833) 554-5432

FIXED THERMALLY BROKEN WINDOW (SM)
ELEVATION & DP - TRIPLE

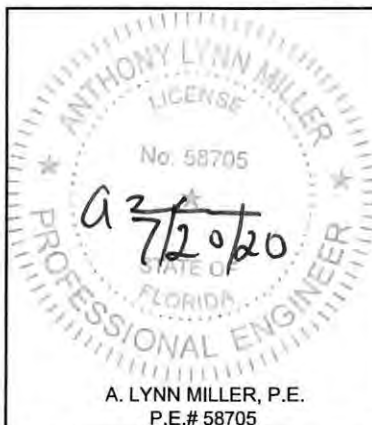
By
ERIN KOSS

Series
PW9020T

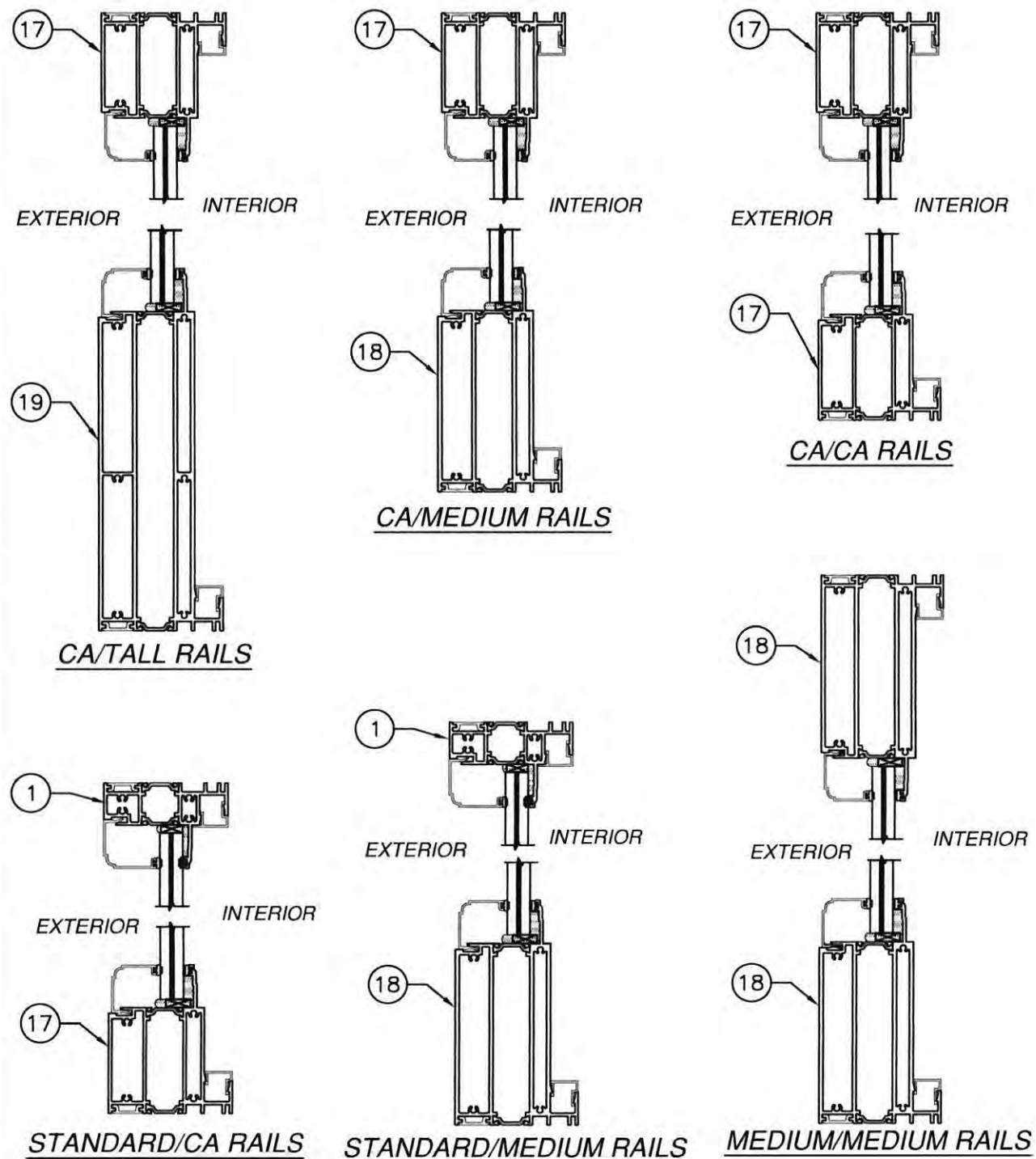
DWG
No.
9020 SMI NOA

Sheet
6 OF 13

Rev
07/13/20



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



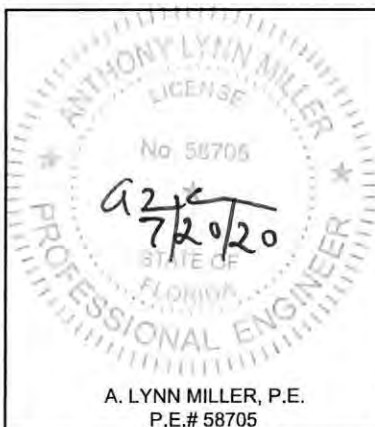
APPROVED RAIL COMBINATIONS

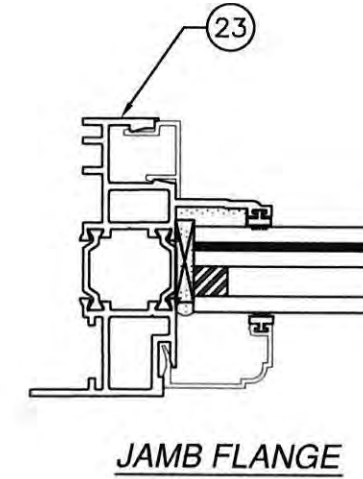
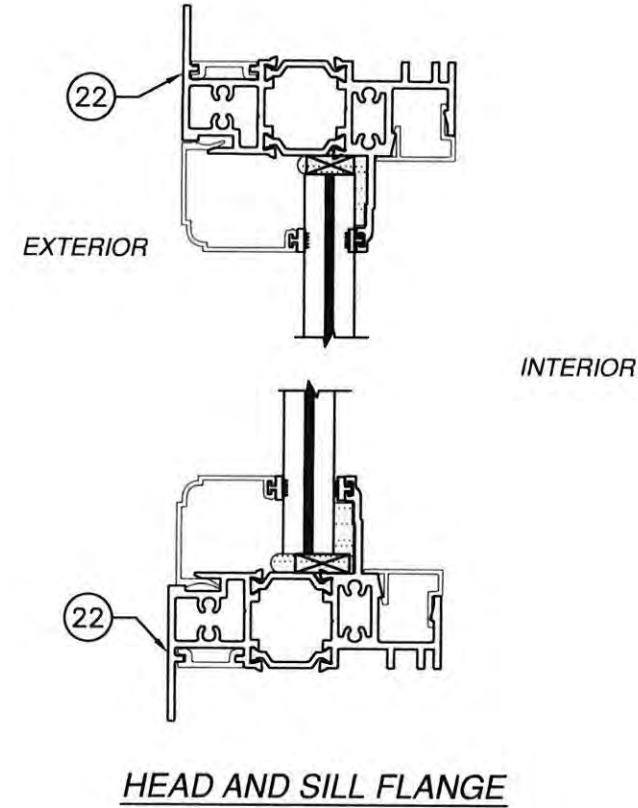
FOR STANDARD ITEMS, SEE VERTICAL
CROSS SECTION SHEET 7

PRODUCT REVISED
as complying with the Florida
Building Code
NOA-No. 20-0729.12
Expiration Date 11/29/2022
By
Miami-Dade Product Control

Revision: NO CHANGES THIS SHEET.

WINDOOR® INCORPORATED WINDOOR INCORPORATED 104 TRIPLE DIAMOND BLVD. NORTH VENICE, FL 34275 (833) 554-5432	PREPARED BY A. LYNN MILLER 1070 TECHNOLOGY DRIVE N. VENICE, FL 34275 (941) 480-1600 REGISTRATION #29296		Date 07/13/20 By ERIN KOSS Drawn 9020 SMI NOA	
	FIXED THERMALLY BROKEN WINDOW (SM) RAIL DETAILS PW9020T		Sheet 8 OF 13 DWC No.	



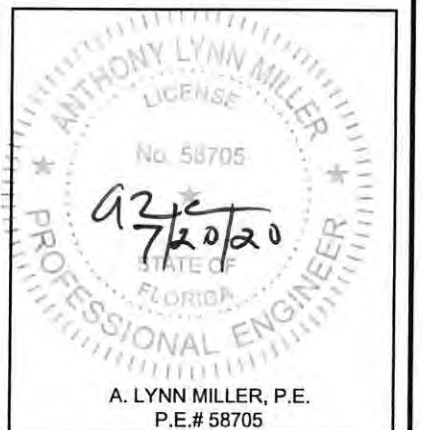


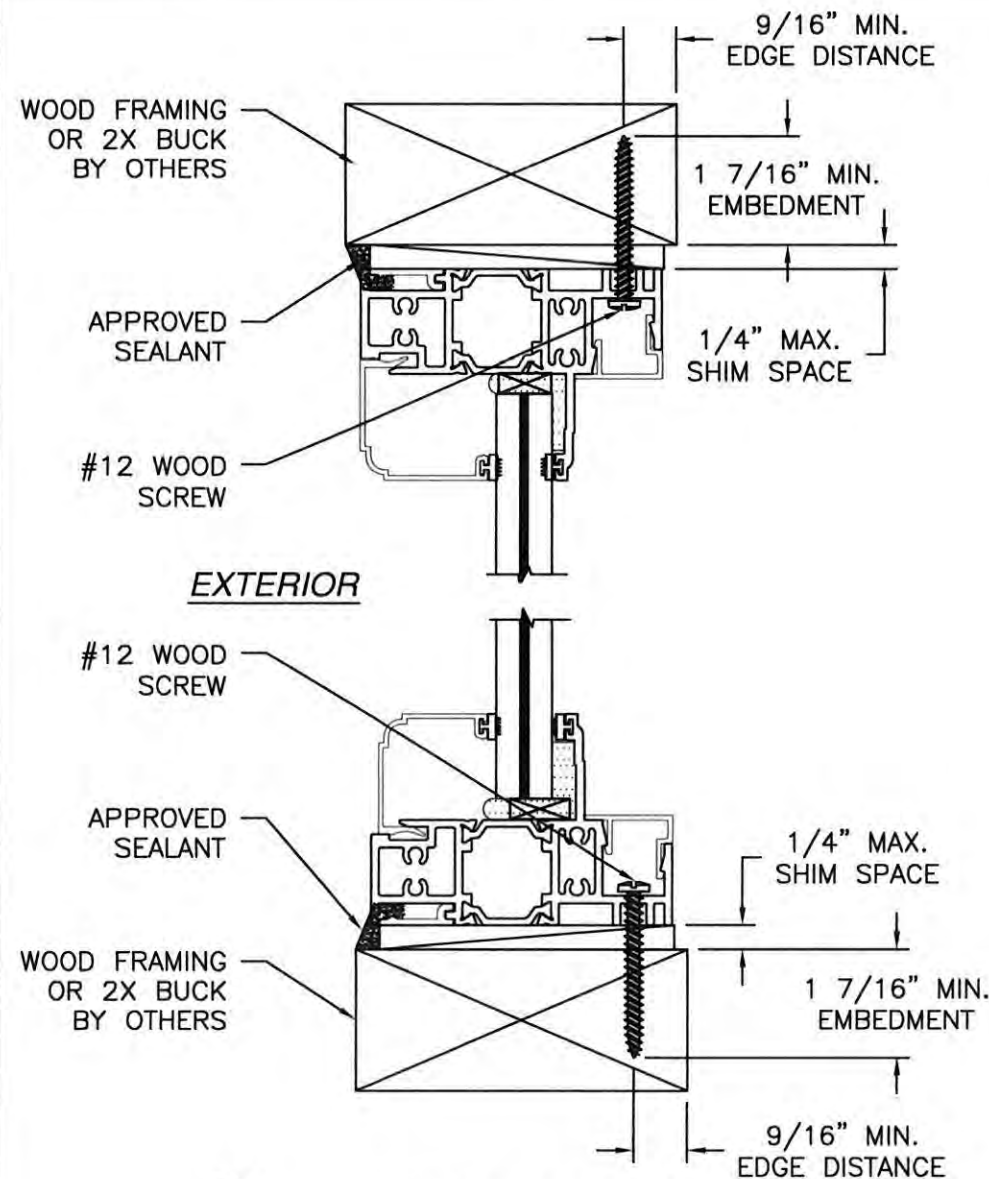
APPROVED RAIL COMBINATIONS
 FOR STANDARD ITEMS, SEE VERTICAL AND HORIZONTAL
 CROSS SECTIONS SHEET 7

PRODUCT REVISED
 as complying with the Florida
 Building Code
 NOA-No. 20-0729.12
 Expiration Date 11/29/2022
 By
 Miami-Dade Product Control

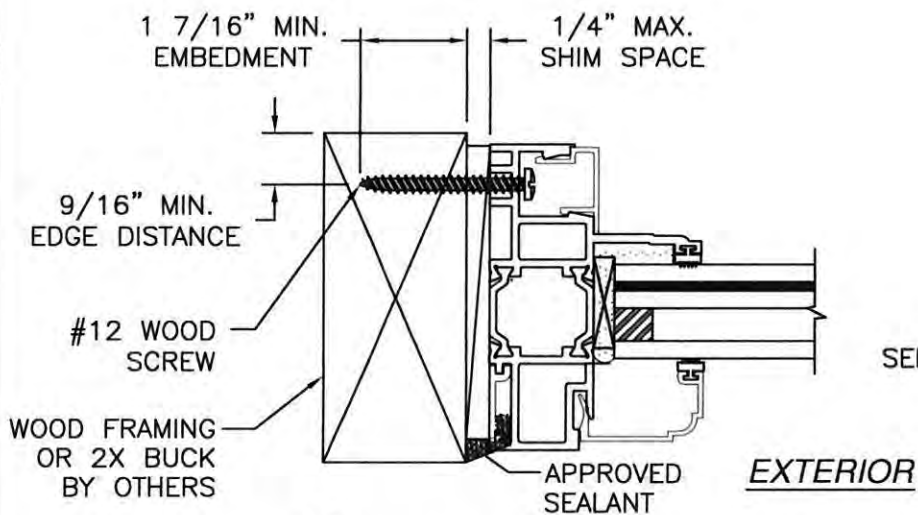
Revision: NO CHANGES THIS SHEET.

PREPARED BY A. LYNN MILLER 1070 TECHNOLOGY DRIVE N. VENICE, FL 34275 (941) 480-1600 REGISTRATION #29296	Date		07/13/20	Rev.	
	By		ERIN KOSS	DWG	9020 SMI NOA
WINDOOR® INCORPORATED WINDOOR INCORPORATED 104 TRIPLE DIAMOND BLVD. NORTH VENICE, FL 34275 (833) 554-5432	Title		FIXED THERMALLY BROKEN WINDOW (SM)	Sheet	9 OF 13
	Desc.		FLANGE RAIL DETAILS	Series	PW9020T

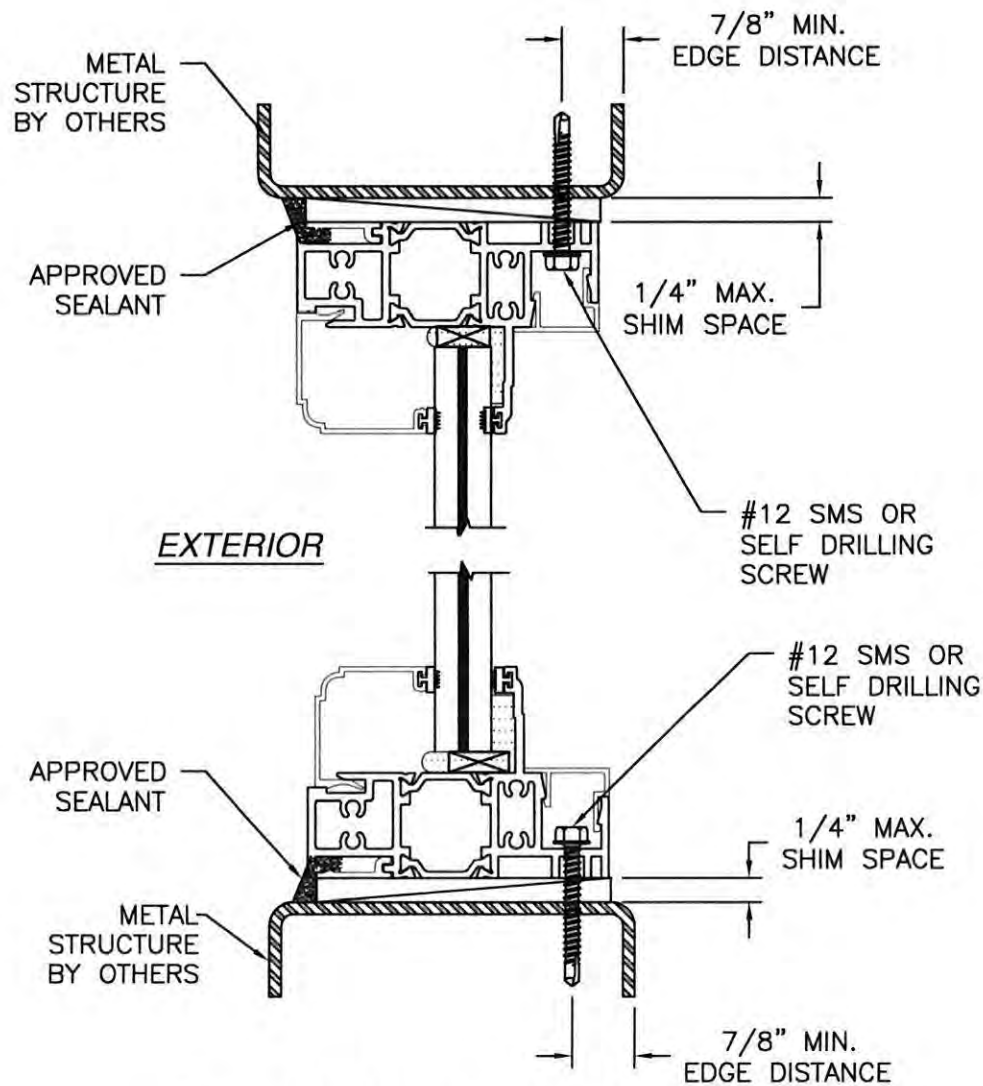




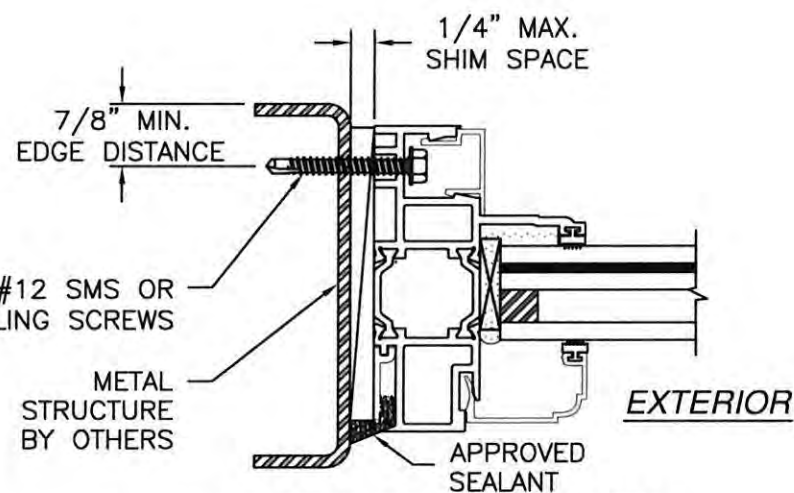
A/10 VERTICAL CROSS SECTION
WOOD FRAMING OR 2X BUCK INSTALLATION



B/10 JAMB INSTALLATION DETAIL
WOOD FRAMING OR 2X BUCK INSTALLATION



A/10 VERTICAL CROSS SECTION
METAL STRUCTURE INSTALLATION



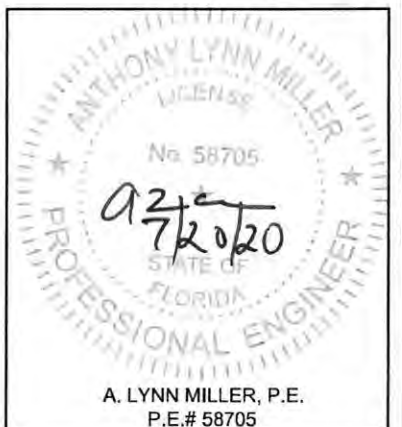
B/10 JAMB INSTALLATION DETAIL
METAL STRUCTURE INSTALLATION

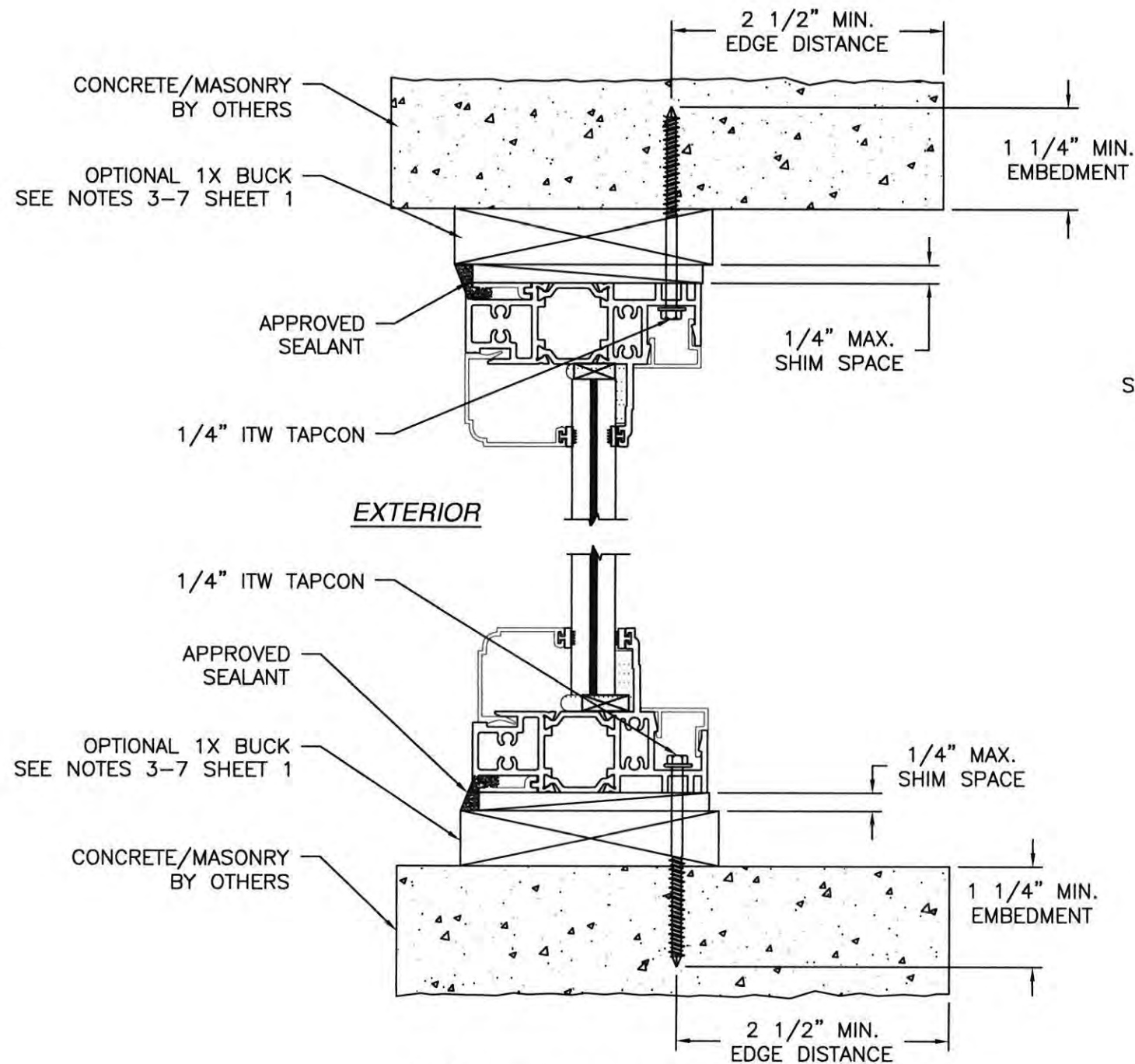
- NOTES:
1. INTERIOR AND EXTERIOR FINISHES, BY OTHERS, NOT SHOWN FOR CLARITY.
 2. PERIMETER AND JOINT SEALANT BY OTHERS TO BE DESIGNED IN ACCORDANCE WITH ASTM E2112

PRODUCT REVISED
as complying with the Florida
Building Code
NOA-No. 20-0729.12
Expiration Date 11/29/2022
By 
Miami-Dade Product Control

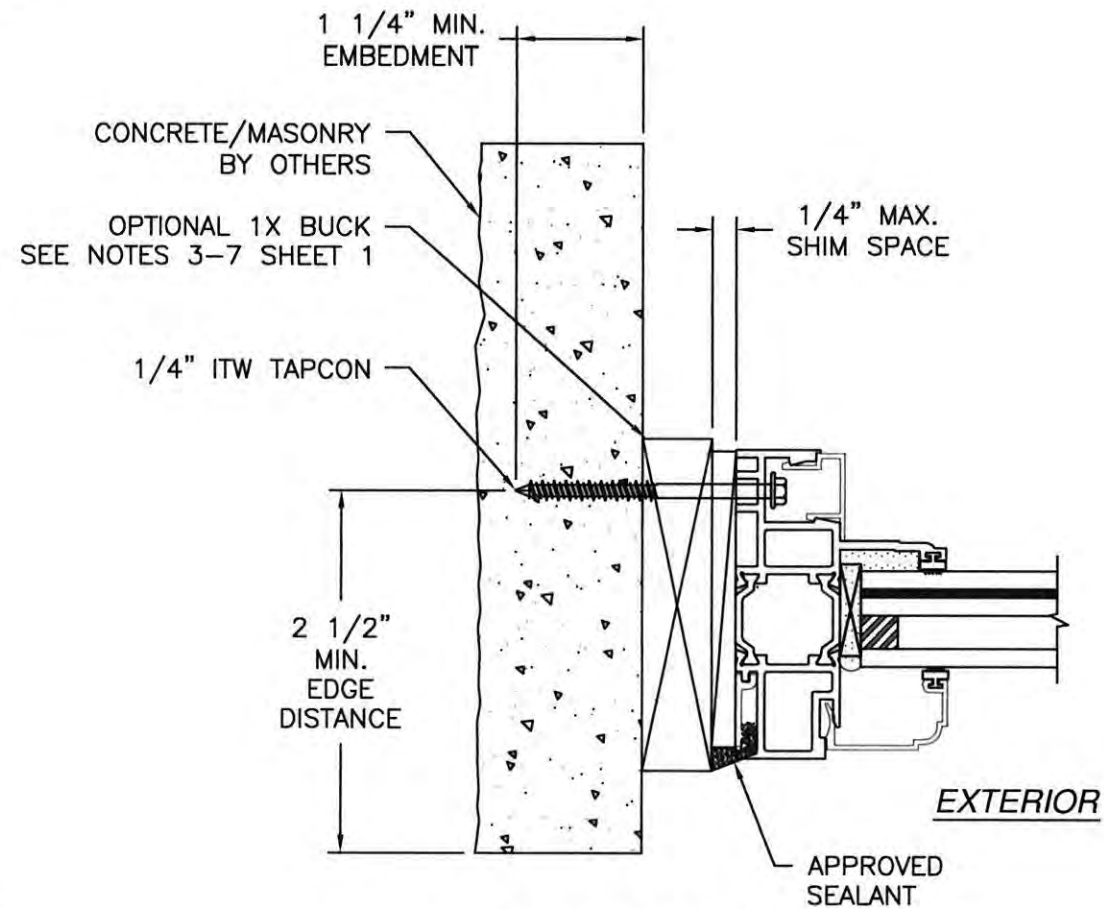
Revision: NO CHANGES THIS SHEET.

WINDOOR® INCORPORATED WINDOOR INCORPORATED 104 TRIPLE DIAMOND BLVD. NORTH VENICE, FL 34275 (833) 554-5432		PREPARED BY A. LYNN MILLER 1070 TECHNOLOGY DRIVE N. VENICE, FL 34275 (941) 480-1600 REGISTRATION #29296					
Series	PW9020T	Sheet	10 OF 13	DWG No.	9020 SMI NOA	Rev.	
Desc.	FLUSH INSTALLATION DETAILS			By	ERIN KOSS		
Title	FIXED THERMALLY BROKEN WINDOW (SM)			Date	07/13/20		





A
11 VERTICAL CROSS SECTION
CONCRETE/MASONRY INSTALLATION



B
11 JAMB INSTALLATION DETAIL
CONCRETE/MASONRY INSTALLATION

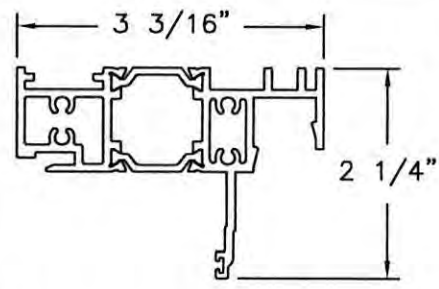
NOTES:
1. INTERIOR AND EXTERIOR FINISHES, BY OTHERS, NOT SHOWN FOR CLARITY.
2. PERIMETER AND JOINT SEALANT BY OTHERS TO BE DESIGNED IN ACCORDANCE WITH ASTM E2112

PRODUCT REVISED
as complying with the Florida
Building Code
NOA-No. 20-0729.12
Expiration Date 11/29/2022
By *[Signature]*
Miami-Dade Product Control

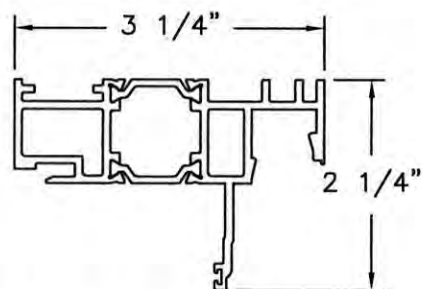
Revision: NO CHANGES THIS SHEET.

WinDoor® INCORPORATED WINDOOR INCORPORATED 104 TRIPLE DIAMOND BLVD. NORTH VENICE, FL 34275 (833) 554-5432	PREPARED BY A. LYNN MILLER 1070 TECHNOLOGY DRIVE N. VENICE, FL 34275 (941) 480-1600 REGISTRATION #29296		07/13/20	Rev.
	FIXED THERMALLY BROKEN WINDOW (SM)		ERIN KOSS	9020 SMI NOA
	FLUSH INSTALLATION DETAILS		By	DWG No.
	PW9020T		11 OF 13	Sheet

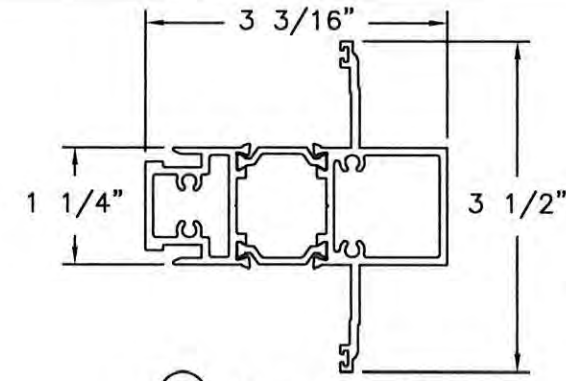
ANTHONY LYNN MILLER
LICENSE
No. 58705
7/2/20
STATE OF FLORIDA
PROFESSIONAL ENGINEER
A. LYNN MILLER, P.E.
P.E.# 58705



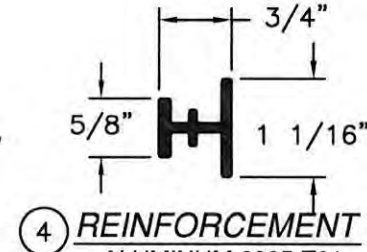
① **HEAD AND SILL FRAME**
ALUMINUM 6063-T6 .080" THICK



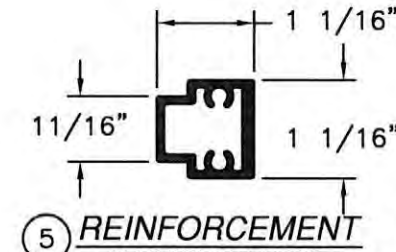
② **JAMB FRAME**
ALUMINUM 6063-T6
.080" THICK



③ **MULL ASSEMBLY**
ALUMINUM 6063-T6 .080" THICK



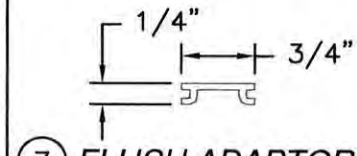
④ **REINFORCEMENT**
ALUMINUM 6005-T61
.100" THICK



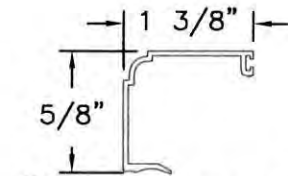
⑤ **REINFORCEMENT**
ALUMINUM 6005-T61
.080" THICK



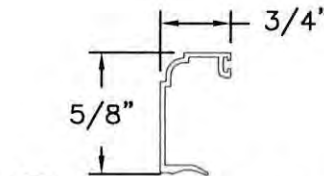
⑥ **SCREW COVER**
ALUMINUM 6063-T6
.050" THICK



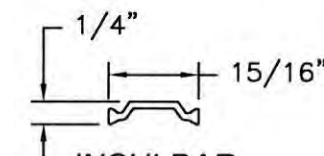
⑦ **FLUSH ADAPTOR**
ALUMINUM 6063-T6
.065" THICK



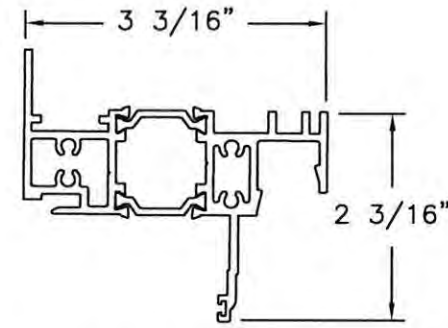
⑧ **9/16" GLASS STOP**
ALUMINUM 6063-T6
.063" THICK



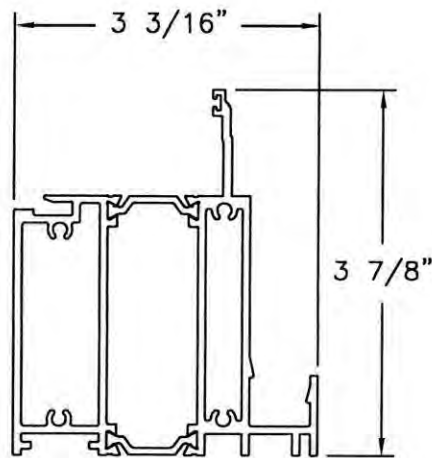
⑨ **1" GLASS STOP**
ALUMINUM 6063-T6
.063" THICK



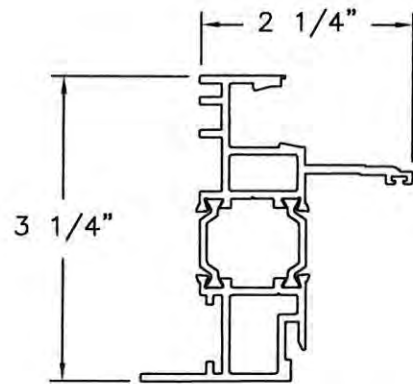
②① **INSULBAR**
TECATHERM
66GF .075" THICK



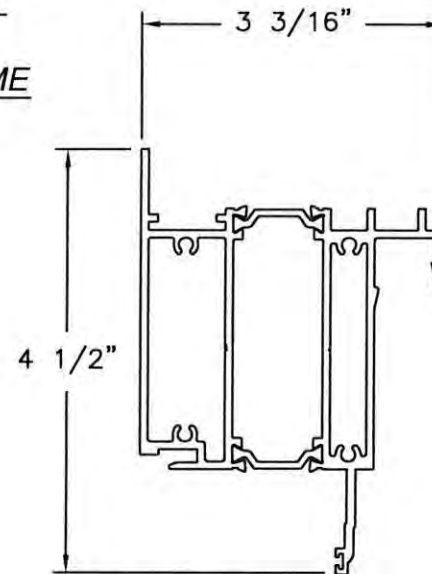
②② **HEAD AND SILL FLANGE FRAME**
ALUMINUM 6063-T6 .080" THICK



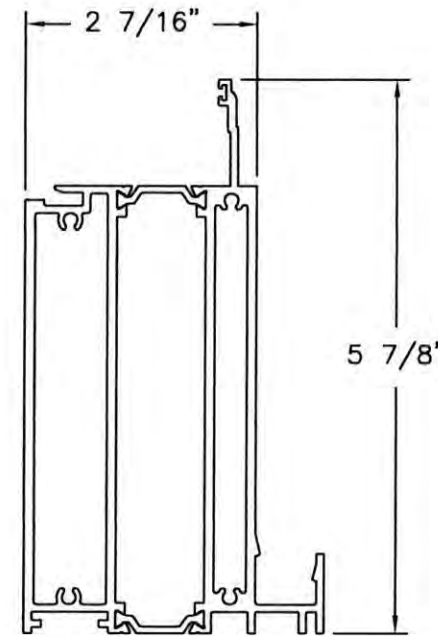
①⑦ **CA RAIL**
ALUMINUM 6063-T6 .100" THICK



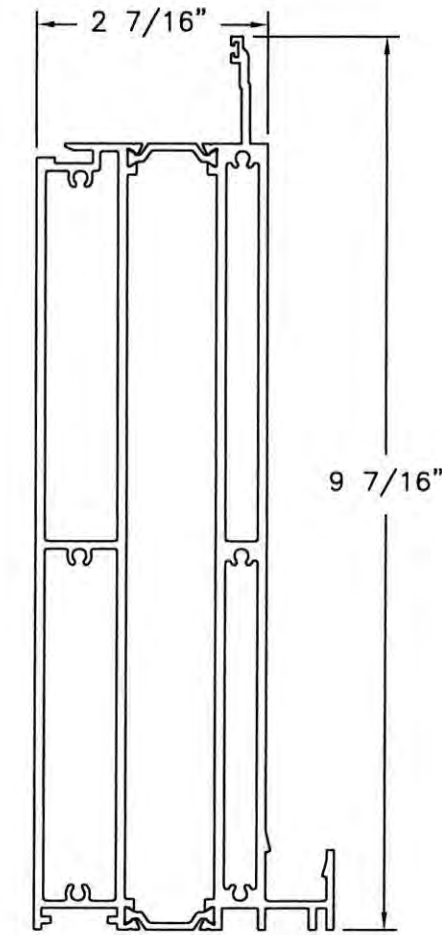
②③ **JAMB FLANGE**
ALUMINUM 6063-T6 .080" THICK



②① **CA RAIL FLANGE**
ALUMINUM 6063-T6 .100" THICK



①⑧ **MEDIUM RAIL**
ALUMINUM 6063-T6 .080" THICK

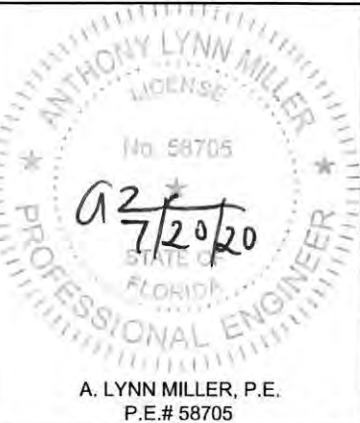


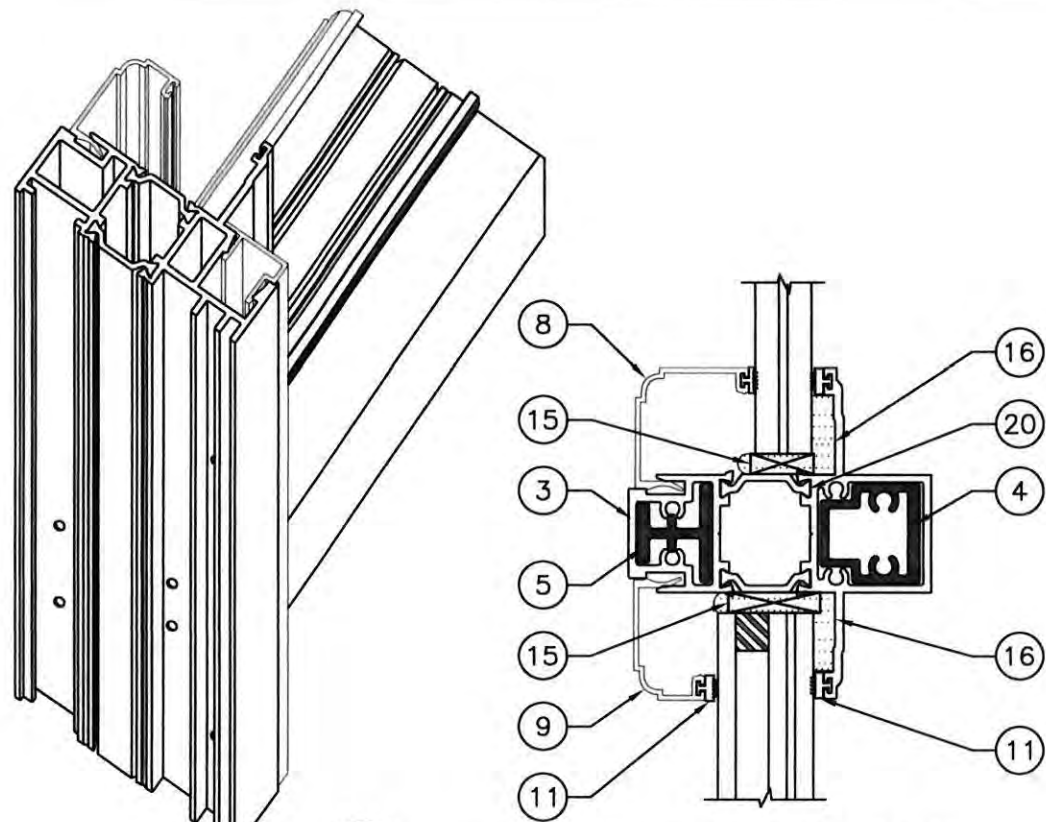
①⑨ **TALL RAIL**
ALUMINUM 6063-T6 .100" THICK

PRODUCT REVISED
as complying with the Florida
Building Code
NOA-No. 20-0729.12
Expiration Date 11/29/2022
By 
Miami-Dade Product Control

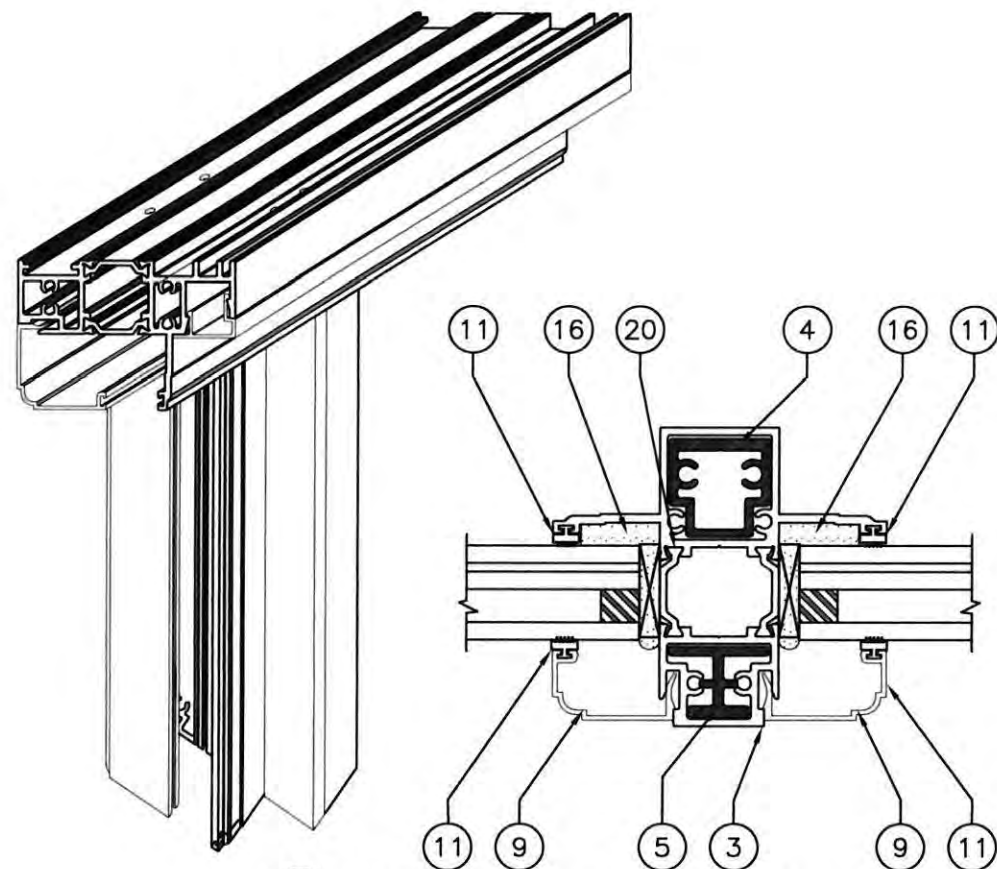
REMOVED BEAD FOR GLAZING
TYPE C (TRIPLE).

WINDOOR® INCORPORATED		PREPARED BY A. LYNN MILLER 1070 TECHNOLOGY DRIVE N. VENICE, FL 34275 (941) 480-1600 REGISTRATION #29296		Date		07/13/20	
WINDOOR INCORPORATED 104 TRIPLE DIAMOND BLVD. NORTH VENICE, FL 34275 (833) 554-5432		FIXED THERMALLY BROKEN WINDOW (SM)					
EXTRUSIONS		By		ERIN KOSS			
PW9020T		Sheet		12 OF 13		DWG No.	
				9020 SMI NOA		Rev.	

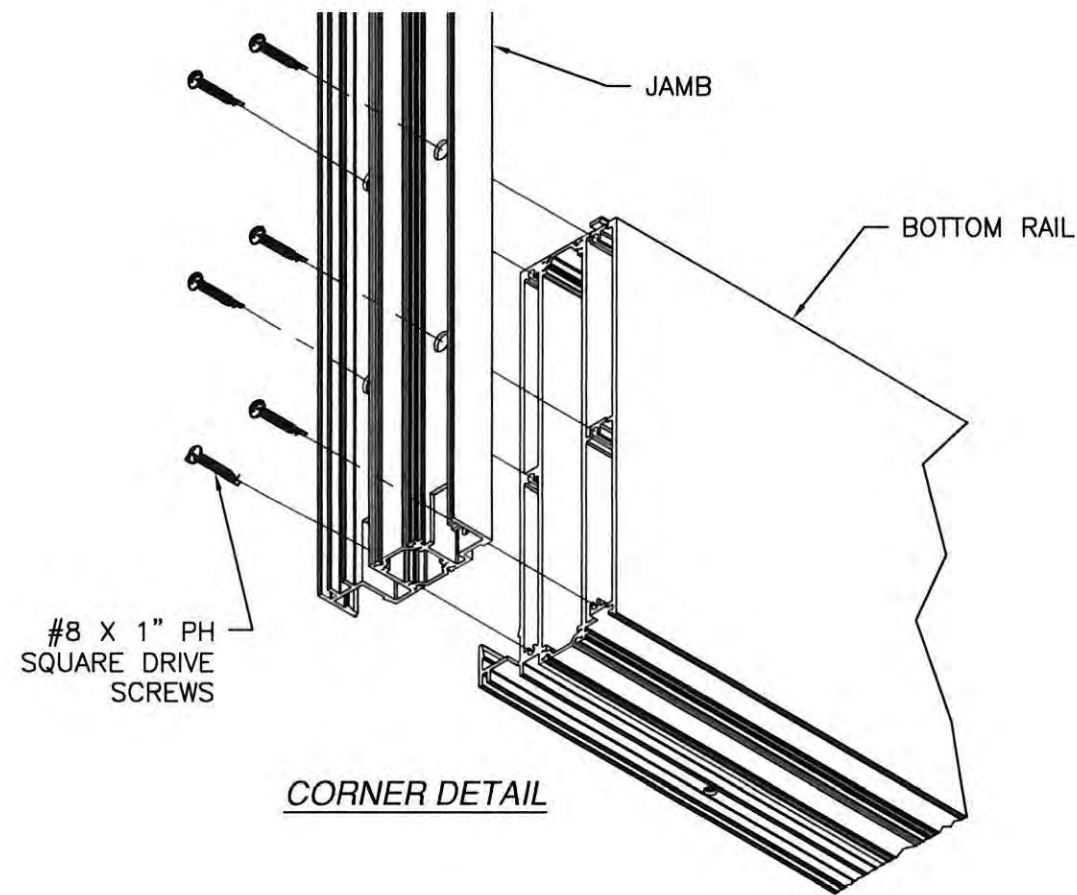

 A. LYNN MILLER, P.E.
 P.E.# 58705



C
13 HORIZONTAL INTEGRAL MULLION



D
13 VERTICAL INTEGRAL MULLION



CORNER DETAIL

PRODUCT REVISED
as complying with the Florida
Building Code
NOA-No. 20-0729.12
Expiration Date 11/29/2022
By *[Signature]*
Miami-Dade Product Control

Revision: REMOVED GLAZING C.

WINDOOR® INCORPORATED WINDOOR INCORPORATED 104 TRIPLE DIAMOND BLVD. NORTH VENICE, FL 34275 (833) 554-5432	PREPARED BY A. LYNN MILLER 1070 TECHNOLOGY DRIVE N. VENICE, FL 34275 (941) 480-1600 REGISTRATION #29296		07/13/20 Date		ERIN KOSS By		9020 SMI NOA DWG No.		Rev.	
	FIXED THERMALLY BROKEN WINDOW (SM)		ASSEMBLY DETAILS		PW9020T		13 OF 13		Sheet	
	13 OF 13		13 OF 13		13 OF 13		13 OF 13		13 OF 13	
	13 OF 13		13 OF 13		13 OF 13		13 OF 13		13 OF 13	

ANTHONY LYNN MILLER
LICENSE
No. 58705
7/20/20
STATE OF FLORIDA
PROFESSIONAL ENGINEER
A. LYNN MILLER, P.E.
P.E.# 58705