



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, Florida 33175-2474  
T (786) 315-2590 F (786) 315-2599

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

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 "9470 Thermally Broken" Aluminum Horizontal Rolling Window - L.M.I.

**APPROVAL DOCUMENT:** Drawing No. 9470-LMI-NOA, titled "Thermally Broken Alum. Horiz. Roller (LM)" sheets 1 through 21 of 21, dated 08/12/20, prepared by manufacturer, signed and sealed by Anthony Lynn Miller, P.E., bearing the Miami-Dade County Product Control Revision stamp with the Notice of Acceptance number and expiration date by the Miami-Dade County Product Control Section.

**MISSILE IMPACT RATING:** Large and Small Missile Impact Resistant

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

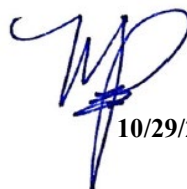
**ADVERTISEMENT:** The NOA number preceded by the words Miami-Dade County, Florida, and followed by the expiration date may be displayed in advertising literature. If any portion of the NOA is displayed, then it shall be done in its entirety.

**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 No. 18-0116.23 and consists of this page 1 and evidence pages E-1, E-2, E-3, E-4 and E-5, as well as approval document mentioned above.

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



  
10/29/20

NOA No. 20-0826.16  
Expiration Date: March 09, 2022  
Approval Date: November 05, 2020  
Page 1

**NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED**

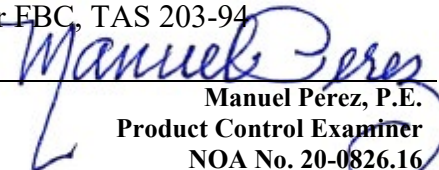
**1. EVIDENCE SUBMITTED UNDER PREVIOUS NOA's**

**A. DRAWINGS**

1. Manufacturer's die drawings and sections.  
*(Submitted under NOA No. 16-0802.08)*
2. Drawing No. **9470-NOA-LM**, titled "Series 9470 Thermally Broken Large Missile Impact Horizontal Roller Window" sheets 1 through 21 of 21, dated 02/24/17, with revision A dated 12/29/17, prepared by Turner Consulting and Engineering, Inc., signed and sealed by Lucas A. Turner, P.E.  
*(Submitted under NOA No. 18-0116.23)*

**B. TESTS**

1. Test reports on: 1) Air Infiltration Test, per FBC, TAS 202-94  
2) Uniform Static Air Pressure Test, Loading per FBC, TAS 202-94  
3) Water Resistance Test, per FBC, TAS 202-94  
4) Large Missile Impact Test per FBC, TAS 201-94  
5) Cyclic Wind Pressure Loading per FBC, TAS 203-94  
6) Forced Entry Test, per FBC 2411.3.2.1, and TAS 202-94  
along with marked-up drawings and installation diagram of 6 specimens, each consisting of a three-panel XOX configuration of an aluminum horizontal sliding window, prepared by National Certified Testing Laboratories, Inc., Test Report No. **NTCL-210-3985-01**, dated 08/25/15, signed and sealed by Gerald J. Ferrara, P.E.  
*(Submitted under NOA No. 16-0802.08)*
2. Test reports on: 1) Air Infiltration Test, per FBC, TAS 202-94  
2) Uniform Static Air Pressure Test, Loading per FBC, TAS 202--94  
3) Water Resistance Test, per FBC, TAS 202-94  
4) Large Missile Impact Test per FBC, TAS 201-94  
5) Cyclic Wind Pressure Loading per FBC, TAS 203-94  
6) Forced Entry Test, per FBC 2411.3.2.1, and TAS 202-94  
along with marked-up drawings and installation diagram of 6 specimens, each consisting of a three-panel XOX configuration of an aluminum horizontal sliding window, prepared by National Certified Testing Laboratories, Inc., Test Report No. **NTCL-210-3985-1B**, dated 08/25/15, with revision 1 dated 02/03/16, all signed and sealed by Gerard J. Ferrera, P.E.  
*(Submitted under NOA No. 16-0802.08)*
3. Test reports on: 1) Air Infiltration Test, per FBC, TAS 202-94  
2) Uniform Static Air Pressure Test, Loading per FBC, TAS 202-94  
3) Water Resistance Test, per FBC, TAS 202-94  
4) Large Missile Impact Test per FBC, TAS 201-94  
5) Cyclic Wind Pressure Loading per FBC, TAS 203-94

  
Manuel Pérez, P.E.  
Product Control Examiner  
NOA No. 20-0826.16  
Expiration Date: March 09, 2022  
Approval Date: November 05, 2020

**NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED**

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

**B. TESTS (CONTINUED)**

**3. (CONTINUED)**

6) Forced Entry Test, per FBC 2411.3.2.1, and TAS 202-94 along with marked-up drawings and installation diagram of 4 specimens, each consisting of a three-panel XOX configuration of an aluminum horizontal sliding window, and 2 specimens, each consisting of a two-panel OX configuration of an aluminum horizontal sliding window, prepared by National Certified Testing Laboratories, Inc., Test Report No. **NTCL-210-3985-02**, dated 08/25/15, signed and sealed by Gerard J. Ferrera, P.E.

***(Submitted under NOA No. 16-0802.08)***

**4. Test reports on: 1) Air Infiltration Test, per FBC, TAS 202-94**

2) Uniform Static Air Pressure Test, Loading per FBC, TAS 202-94

3) Water Resistance Test, per FBC, TAS 202-94

4) Large Missile Impact Test per FBC, TAS 201-94

5) Cyclic Wind Pressure Loading per FBC, TAS 203-94

6) Forced Entry Test, per FBC 2411.3.2.1, and TAS 202-94

along with marked-up drawings and installation diagram of 4 specimens, each consisting of a three-panel XOX configuration of an aluminum horizontal sliding window, prepared by National Certified Testing Laboratories, Inc., Test Report No. **NTCL-210-3985-2B**, dated 08/25/15, signed and sealed by Gerard J. Ferrera, P.E.

***(Submitted under NOA No. 16-0802.08)***

**5. Test report on: 1) Uniform Static Air Pressure Test, Loading per FBC, TAS 202-94**

along with marked-up drawings and installation diagram of one two-panel OX configuration of an aluminum horizontal sliding window, prepared by National Certified Testing Laboratories, Inc., Test Report No. **NTCL-210-3985-06**, dated 12/20/16, signed and sealed by Gerard J. Ferrera, P.E.

***(Submitted under NOA No. 16-0802.08)***

**C. CALCULATIONS**


**1. Anchor verification calculations and structural analysis, complying with FBC 5<sup>th</sup> Edition (2014), dated 07/30/16 and revised on 02/03/17, prepared by Turner Engineering & Consulting, Inc., signed and sealed by Lucas A. Turner, P.E.**

***(Submitted under NOA No. 18-0116.23)***

**2. Glazing complies with ASTM E1300-09**

**D. QUALITY ASSURANCE**

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

  
Manuel Perez, P.E.  
Product Control Examiner  
NOA No. 20-0826.16  
Expiration Date: March 09, 2022  
Approval Date: November 05, 2020

**NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED**

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

**E. MATERIAL CERTIFICATIONS**

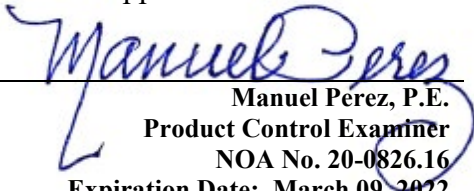
1. Notice of Acceptance No. **17-0808.02** issued to **Kuraray America, Inc.** for their **"SentryGlas® (Clear and White) Glass Interlayers"** dated 01/18/18, expiring on 07/04/23.
2. Notice of Acceptance No. **17-1114.14** issued to **Kuraray America, Inc.** for their **"Trosifol® Ultraclear, Clear and Color PVB Glass Interlayers"**, dated 01/18/18, expiring on 07/08/19.
3. 0.500" (Length) by 0.26" (Height) by 0.0059" (Thickness) (12.5x6.6x0.15mm) Aluminum Low Profile Insulated-Glass spacer Helima AH 1256 N (P/N.: USA K 001 000 000 R7) with Aluminum Alloy AW-3000 (Ftu=17 ksi and Fty=12ksi) by Helmut Lingemann GmbH & Co., KG.
4. 0.375" (Length) by 0.26" (Height) by 0.0059" (Thickness) (9.5x4.95x0.15mm) Aluminum Low Profile Insulated-Glass spacer Helima AH 956 N (P/N.: USA K 001 000 000 R7) with Aluminum Alloy AW-3000 (Ftu=17 ksi and Fty=12ksi) by Helmut Lingemann GmbH & Co., KG.
5. Test Report No. **INT/ATI 60520.02-106-18R2**, prepared by Intertek/Architectural Testing, Inc., dated 11/09/06, revised on 06/01/16, issued to **Ensinger, Inc.**, for their **Insulbar Tecatherm® 66 GF** per **ASTM D638-03** Tensile Strength of 13,031psi, **ASTM D635-98** Rate of Burning Class CC1  $\frac{3}{4}$ "/min. (19.1mm/min), **ASTM D1929-96 Self Ignition** 781°F (416°C), **ASTM G 155** exposed per Xenon Arc after 4500 Hours irradiance level of 0.11 BTU/hr/ft<sup>2</sup> (0.35 W/m<sup>2</sup>) by 143°F (62°C) on 13-3/8" (340 mm) & **ASTM D2843-99** Smoke Density of 1.63, signed and sealed by Joseph A. Reed, P.E.

**F. STATEMENTS**

1. Statement letter of conformance, complying with **FBC 5<sup>th</sup> Edition (2014)**, with **FBC 6<sup>th</sup> Edition (2017)** and of no financial interest, dated March 08, 2018, issued by Turner Engineering & Consulting, Inc., signed and sealed by Lucas A. Turner, P.E. **(Submitted under NOA No. 18-0116.23)**
2. Laboratory compliance letter for Test Reports No. **NCTL-210-3985-01**, **NCTL-210-3985-1B**, **NCTL-210-3985-02** and **NCTL-210-3985-2B** all dated 08/25/15, and **NCTL-210-3985-06** dated 12/12/16, issued by National Certified Testing Laboratories, Inc., all signed and sealed by Gerard J. Ferrara, P.E. **(Submitted under NOA No. 16-0802.08)**

**G. OTHERS**

1. Notice of Acceptance No. **16-0802.08**, issued to WinDoor, Inc. for their Series "9470" Thermally Broken Horizontal Rolling Window - L.M.I. approved on 03/09/17 and expiring on 03/09/22.

  
Manuel Pérez, P.E.  
Product Control Examiner  
NOA No. 20-0826.16  
Expiration Date: March 09, 2022  
Approval Date: November 05, 2020

**NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED**

**2. NEW EVIDENCE SUBMITTED**

**A. DRAWINGS**

1. Drawing No. **9470-LMI-NOA**, titled "Thermally Broken Alum. Horiz. Roller (LM)", sheets 1 through 21 of 21, dated 08/12/20, prepared by manufacturer, signed and sealed by Anthony Lynn Miller, P.E.

**B. TESTS**

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

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

**PGT Industries, Inc. test specimens:**

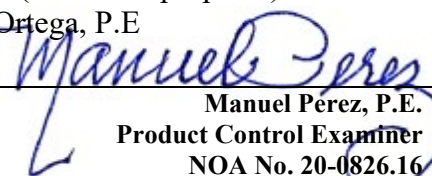
**FTL-7897**, PGT PW5520 PVC Fixed Window (unit 6 in proposal), dated 09/03/14  
**FTL-20-2107.1**, PGT SGD780 Aluminum Sliding Glass Door (unit 7 in proposal)  
**FTL-20-2107.2**, PGT CA740 Alum. Outswing Casement Window (unit 8 in proposal)  
**FTL-20-2107.3**, PGT PW7620A Aluminum Fixed Window (unit 9 in proposal) and  
**FTL-20-2107.4**, PGT PW7620A Aluminum Fixed Window (unit 10 in proposal)  
all dated 07/13/20 and signed and sealed by Idalmis Ortega, P.E.

**CGI Windows and Doors Inc. test specimens:**

**FTL-20-2108.1**, CGI SH360 Aluminum Single Hung Window (unit 1 in proposal)  
**FTL-20-2108.2**, CGI CA238 Alum. Outswing Casement Window (unit 2 in proposal)  
**FTL-20-2108.3**, CGI SGD560 Aluminum Sliding Glass Door (unit 3 in proposal)  
**FTL-20-2108.4**, CGI PW410 Aluminum Fixed Window (unit 4 in proposal) and  
**FTL-20-2108.5**, CGI SH360 Aluminum Single Hung Window (unit 5 in proposal)  
all dated 08/24/20 and signed and sealed by Idalmis Ortega, P.E.

**WinDoor, Inc. test specimens:**

**FTL-20-2078.1**, WinDoor PW3000 Aluminum Fixed Lite (unit 11 in proposal)  
**FTL-20-2078.2**, WinDoor HR9470 Thermally Broken Alum. Horiz. Roller (unit 12)  
**FTL-20-2078.3**, WinDoor SGD8100 Alum. Sliding Glass Door (unit 13 in proposal)  
**FTL-20-2078.4**, WinDoor HR9470 Thermally Broken Alum. Horiz. Roller (unit 14)  
**FTL-20-2078.5**, WinDoor PW9020 Alum. Fixed Lite (unit 15 in proposal) and  
**FTL-20-2078.6**, WinDoor PW9020 Alum. Fixed Lite (unit 16 in proposal)  
all dated 09/24/20 and signed and sealed by Idalmis Ortega, P.E.

  
Manuel Perez, P.E.  
Product Control Examiner  
NOA No. 20-0826.16  
Expiration Date: March 09, 2022  
Approval Date: November 05, 2020



**NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED**

**2. NEW EVIDENCE SUBMITTED (CONTINUED)**

**C. CALCULATIONS**

1. Anchor verification calculations and structural analysis, complying with **FBC 5<sup>th</sup> Edition (2014)**, dated 07/30/16 and revised on 02/03/17, prepared by Turner Engineering & Consulting, Inc., signed and sealed by Lucas A. Turner, P.E., updated to comply with **FBC 7<sup>th</sup> Edition (2020)**, on 08/12/20 by manufacturer, signed and sealed by Anthony Lynn Miller, P.E.
2. Glazing complies with **ASTM E1300-04/09**

**D. QUALITY ASSURANCE**

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

**E. MATERIAL CERTIFICATIONS**


1. Notice of Acceptance No. **18-0725.11** issued to **Kuraray America, Inc.** for their “**Kuraray SentryGlas® Xtra™ (SGX™) Clear Glass Interlayer**” dated 05/23/19, expiring on 05/23/24.
2. Notice of Acceptance No. **19-0305.02** issued to **Kuraray America, Inc.** for their “**Trosifol® Ultraclear, Clear and Color PVB Glass Interlayers**” dated 05/09/19, expiring on 07/08/24.

**F. STATEMENTS**

1. Statement letter of conformance, complying with **FBC 6<sup>th</sup> Edition (2017)** and **FBC 7<sup>th</sup> Edition (2020)**, dated August 12, 2020, issued by manufacturer, signed and sealed by Anthony Lynn Miller, P.E.
2. Statement letter of no financial interest, dated August 12, 2020, issued by manufacturer, signed and sealed by Anthony Lynn Miller, P.E.
3. Notification of Successor Engineer for WinDoor NOA documents dated August 12, 2020 issued, signed and sealed by Anthony Lynn Miller, P.E.
4. Proposal No. **19-1155 TP** issued by the Product Control Section, dated January 10, 2020, signed by Ishaq Chanda, P.E.

**G. OTHERS**

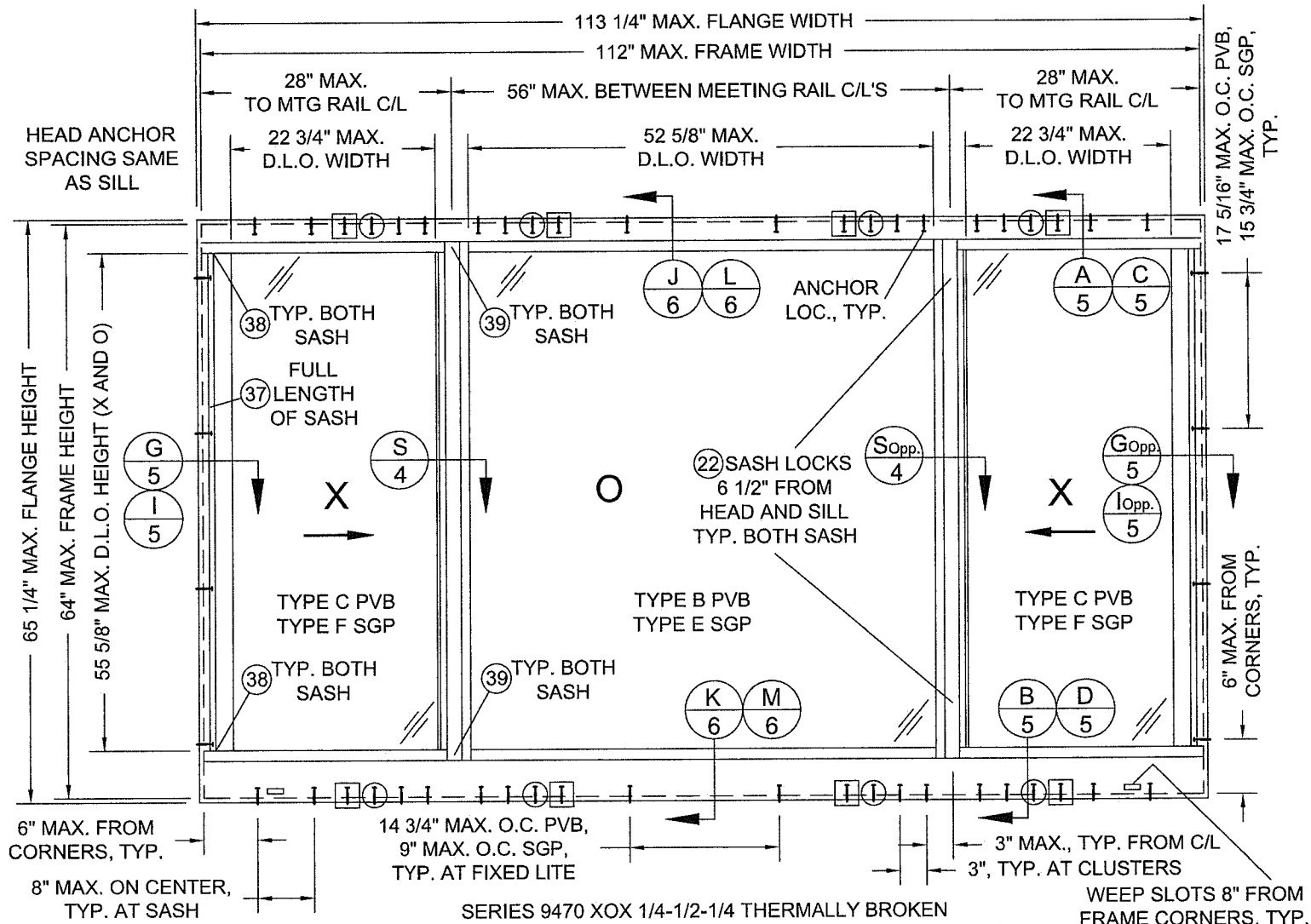
1. Notice of Acceptance No. **18-0116.23**, issued to WinDoor, Inc. for their Series “9470 Thermally Broken” Aluminum Horizontal Rolling Window - L.M.I., approved on 05/03/18 and expiring on 03/09/22.

  
Manuel Pérez, P.E.  
Product Control Examiner  
NOA No. 20-0826.16  
Expiration Date: March 09, 2022  
Approval Date: November 05, 2020

GENERAL NOTES

1. THIS PRODUCT, FABRICATED AND ANCHORED AS DETAILED IN THIS DRAWING, IS LARGE MISSILE IMPACT RESISTANT AND DOES NOT REQUIRE THE USE OF IMPACT PROTECTIVE DEVICES (SHUTTERS) IN WINDBORNE DEBRIS REGIONS.
2. THIS PRODUCT HAS BEEN TESTED TO AAMA/WDMA/CSA 101/I.S.2/A440-08, ASTM E 1886-05, ASTM E 1996-05/09, AND TAS 201/202/203-94, AND MEETS THE REQUIREMENTS OF THE 6TH EDITION (2017) AND 7TH EDITION (2020) FLORIDA BUILDING CODE, INCLUDING THE HIGH VELOCITY HURRICANE ZONE.
3. ALLOWABLE CONFIGURATIONS ARE AS INDICATED HEREIN.
4. THE DESIGN PRESSURE RATINGS (SEE SHEETS 7 THROUGH 15) IN THIS DRAWING ARE AS LIMITED BY ASTM E-1300 04/09 GLASS TABLES, TESTED WATER, STRUCTURAL, AND CYCLIC PRESSURES, AND COMPARATIVE ANALYSIS (LIMITED BY CYCLIC AND WATER).
5. THE 4/3 ALLOWABLE STRESS INCREASE FACTOR (SHORT-TERM INCREASE FACTOR) HAS NOT BEEN USED IN THE ANCHOR ANALYSIS FOR THIS SYSTEM. THE 1.6 Cd FACTOR WAS USED IN THE ANALYSIS OF ANCHORAGE INTO WOOD SUBSTRATE.
6. INSTALLATION OF WOOD BUCKS TO THE SUBSTRATE TO BE ENGINEERED BY OTHERS OR AS APPROVED BY THE AUTHORITY HAVING JURISDICTION (A.H.J.). BUCKING, OPENINGS, & BUCKING FASTENERS MUST BE PROPERLY DESIGNED & INSTALLED BY OTHERS IN ACCORDANCE WITH THE FBC TO TRANSFER SUPERIMPOSED LOADS TO THE STRUCTURE. ADEQUACY OF THE STRUCTURE TO RECEIVE THESE LOADS SHALL BE VERIFIED BY THE CONTRACTOR OR A.H.J. WHEN INSTALLING INTO CONCRETE/MASONRY WITH WOOD BUCKS LESS THAN 1-1/2" THICK, ANCHOR EMBEDMENT SHALL BE INTO CONCRETE/MASONRY. WHEN INSTALLING INTO WOOD BUCKS 1-1/2" OR THICKER OVER CONCRETE/MASONRY, ANCHOR EMBEDMENT SHALL BE INTO THE WOOD.
7. DISSIMILAR MATERIALS THAT COME INTO CONTACT SHALL BE COATED OR OTHERWISE PROTECTED PER FBC CHAPTER 20 TO PREVENT GALVANIC REACTIONS. WOOD BUCKS, IF USED, SHALL BE PRESSURE TREATED, WITH EITHER A TREATMENT OR COATING COMPATIBLE WITH 6063-T6 ALUMINUM. ALL ANCHORS USED SHALL BE OF A MATERIAL OR HAVE A COATING COMPATIBLE WITH THE PRESSURE TREATED WOOD BUCKS AND ALL OTHER WINDOW MATERIALS.
8. ALL HARDWARE & FASTENERS SHALL BE IN ACCORDANCE WITH THESE DRAWINGS, OR AS APPROVED, SIGNED, AND SEALED BY A FLORIDA-REGISTERED PROFESSIONAL ENGINEER ON A SITE-SPECIFIC BASIS.
9. SEALING AND FLASHING STRATEGIES FOR OVERALL WATER INFILTRATION RESISTANCE OF THE INSTALLED PRODUCT SHALL BE THE RESPONSIBILITY OF OTHERS USING ASTM E-2112 AND IS NOT ADDRESSED BY THIS DOCUMENT.
10. FOR ANCHORING INTO WOOD FRAMING OR 2X BUCK, USE #12 GRADE 5 STEEL WOOD SCREWS WITH 1-3/8" MINIMUM EMBEDMENT INTO SUBSTRATE AND 1" MINIMUM EDGE DISTANCE. LOCATE ANCHORS AS SHOWN IN ELEVATIONS AND INSTALLATION DETAILS.
11. FOR ANCHORING INTO SOLID CONCRETE, USE:
  - A. 1/4" ELCO ULTRACONS: 1-3/4" MIN. EMBEDMENT, 1" MIN. EDGE DISTANCE, 3" MIN. O.C.
  - B. 1/4" DEWALT ULTRACON+: 1-3/4" MIN. EMBEDMENT, 1-3/16" MIN EDGE DISTANCE, 3" MIN. O.C.
  - C. 1/4" ELCO CRETE-FLEX: 1-3/4" MIN. EMBEDMENT, 1" MIN. EDGE DISTANCE, 3" MIN. O.C.
  - D. LOCATE ANCHORS AS SHOWN IN ELEVATIONS AND INSTALLATION DETAILS. CONCRETE SHALL NOT BE CRACKED.
12. FOR ANCHORING INTO MASONRY (ONLY AT JAMBS), USE:
  - A. 1/4" ELCO ULTRACON, DEWALT ULTRACON+ OR ELCO CRETE-FLEX: 1-1/4" MIN. EMBEDMENT, 2-1/2" MIN. EDGE DISTANCE, 3" MIN. O.C.
  - C. LOCATE ANCHORS AS SHOWN IN ELEVATIONS AND INSTALLATION DETAILS. MASONRY SHALL NOT BE CRACKED.
13. FOR ANCHORING INTO 0.060" MINIMUM 33KSI YIELD STRENGTH (45KSI MIN. ULT. TENSILE STRENGTH) STEEL, USE #12 ITW TEKS WITH FULL THREAD ENGAGEMENT THROUGH THE METAL WALL THICKNESS AND 1/2" MINIMUM EDGE DISTANCE. FOR ANCHORING INTO 1/8" MINIMUM THICKNESS 6063-T5 ALUMINUM OR 33KSI YIELD STRENGTH (45KSI MIN. ULT. TENSILE STRENGTH) STEEL, USE #12 GRADE 5 SELF-DRILLING FASTENER WITH FULL THREAD ENGAGEMENT THROUGH THE METAL WALL THICKNESS AND 1/2" MINIMUM EDGE DISTANCE. LOCATE ANCHORS AS SHOWN IN ELEVATIONS AND INSTALLATION DETAILS.
14. INSTALLATION ANCHORS SHALL BE INSTALLED IN ACCORDANCE WITH ANCHOR MANUFACTURER'S INSTRUCTIONS AND MINIMUM SUBSTRATE STRENGTH SHALL BE AS FOLLOWS:
  - A. WOOD - MIN. SPECIFIC GRAVITY OF 0.42 (SPRUCE-PINE-FIR)
  - B. SOLID CONCRETE - 2,846 KSI MIN. COMPRESSIVE STRENGTH WHEN USING ELCO ULTRACON FASTENERS, OR 3,350 KSI MIN. COMPRESSIVE STRENGTH WHEN USING ELCO CRETEFLEX OR DEWALT ULTRACON+ FASTENERS.
  - C. MASONRY/CMU - STRENGTH CONFORMANCE TO ASTM C-90 WITH NORMAL COMPRESSIVE STRENGTH OF 2 KSI MIN.
  - D. STEEL - 33 KSI MIN. YIELD STRENGTH (45KSI MIN. ULTIMATE TENSILE STRENGTH)
  - E. ALUMINUM - 6063-T5 MIN.

SERIES 9470 THERMALLY BROKEN HORIZONTAL ROLLER WINDOW LARGE MISSILE IMPACT



SERIES 9470 XOX 1/4-1/2-1/4 THERMALLY BROKEN  
HORIZONTAL ROLLING WINDOW EQUAL LEG OR FLANGE FRAME,  
EXTERIOR ELEVATION  
FOR DESIGN PRESSURES AND ANCHOR QTYS., SEE:  
CHART 1, SHEET 7 FOR PVB AND CHART 2, SHEET 8 FOR SGP

NOTE:  
FOR MEETING RAIL  
CLUSTERS,  
ANCHORS WITH  
CIRCLE ○ ONLY  
REQ'D FOR  
QUANTITIES OF 6  
AND 8 'MR' ANCHORS,  
AND ANCHORS WITH  
SQUARE □ ONLY  
REQ'D FOR QUANTITY  
OF 8 'MR' ANCHORS,  
SEE SHEETS 7 AND 8  
FOR 'MR' ANCHOR  
QUANTITIES

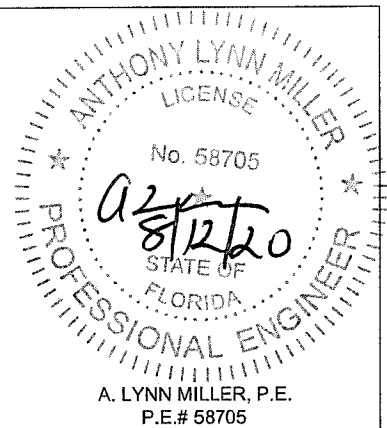
TABLE OF CONTENTS:

1. NOTES, ELEVATION
- 2-3. ELEVATIONS
4. ELEVATION, GLAZING, SECTION
5. X SECTION DETAILS
6. O SECTION DETAILS
- 7-15. DP AND ANCHOR QTY CHARTS
16. EQUAL LEG HEAD/SILL INSTALL DETAILS
17. FLANGE HEAD/SILL INSTALL DETAILS
18. JAMB INSTALL DETAILS
19. FIN INSTALL DETAILS
20. EXTRUSION PROFILE DRAWINGS
21. BILL OF MATERIALS, PROFILE DWGS

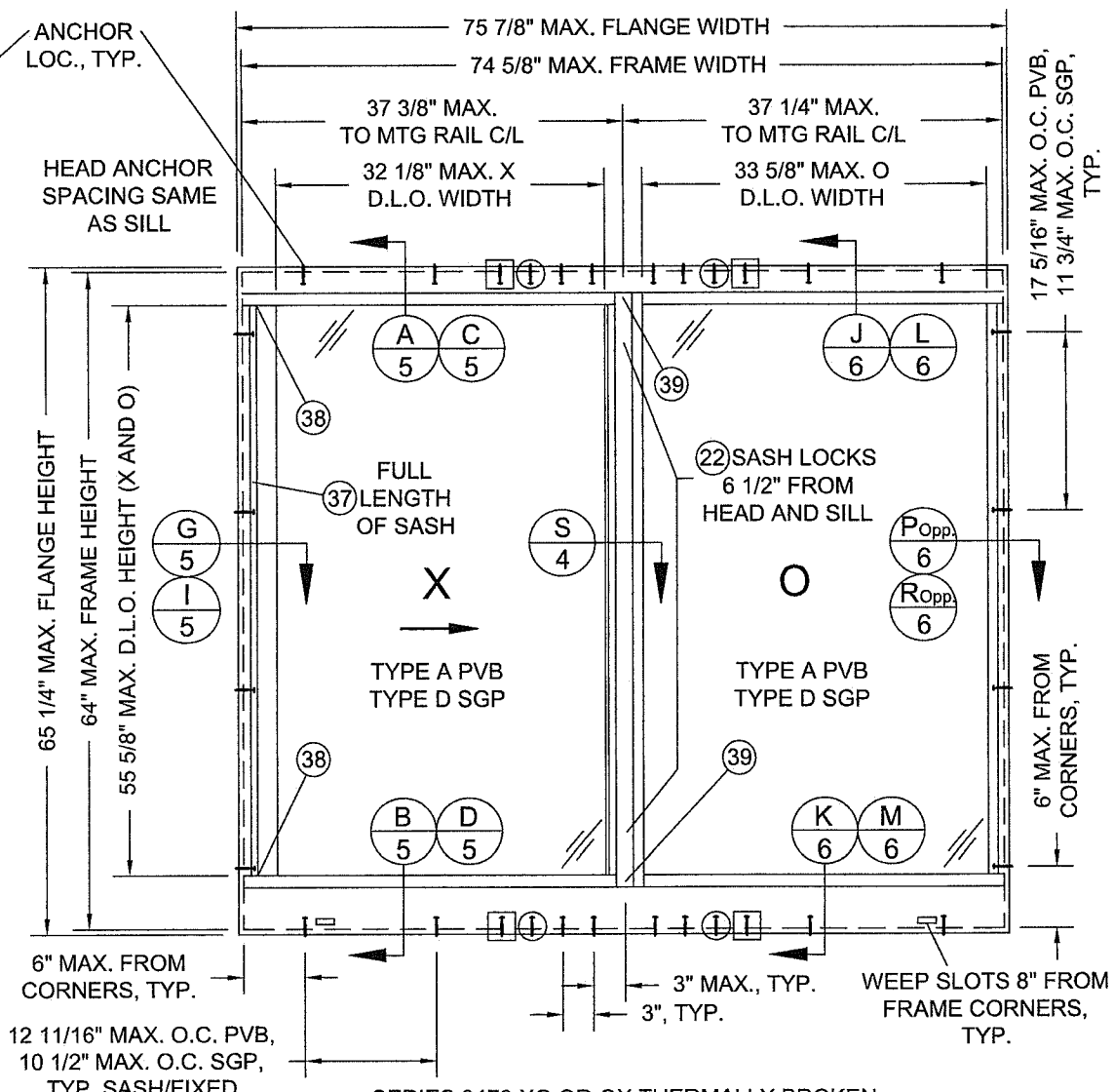
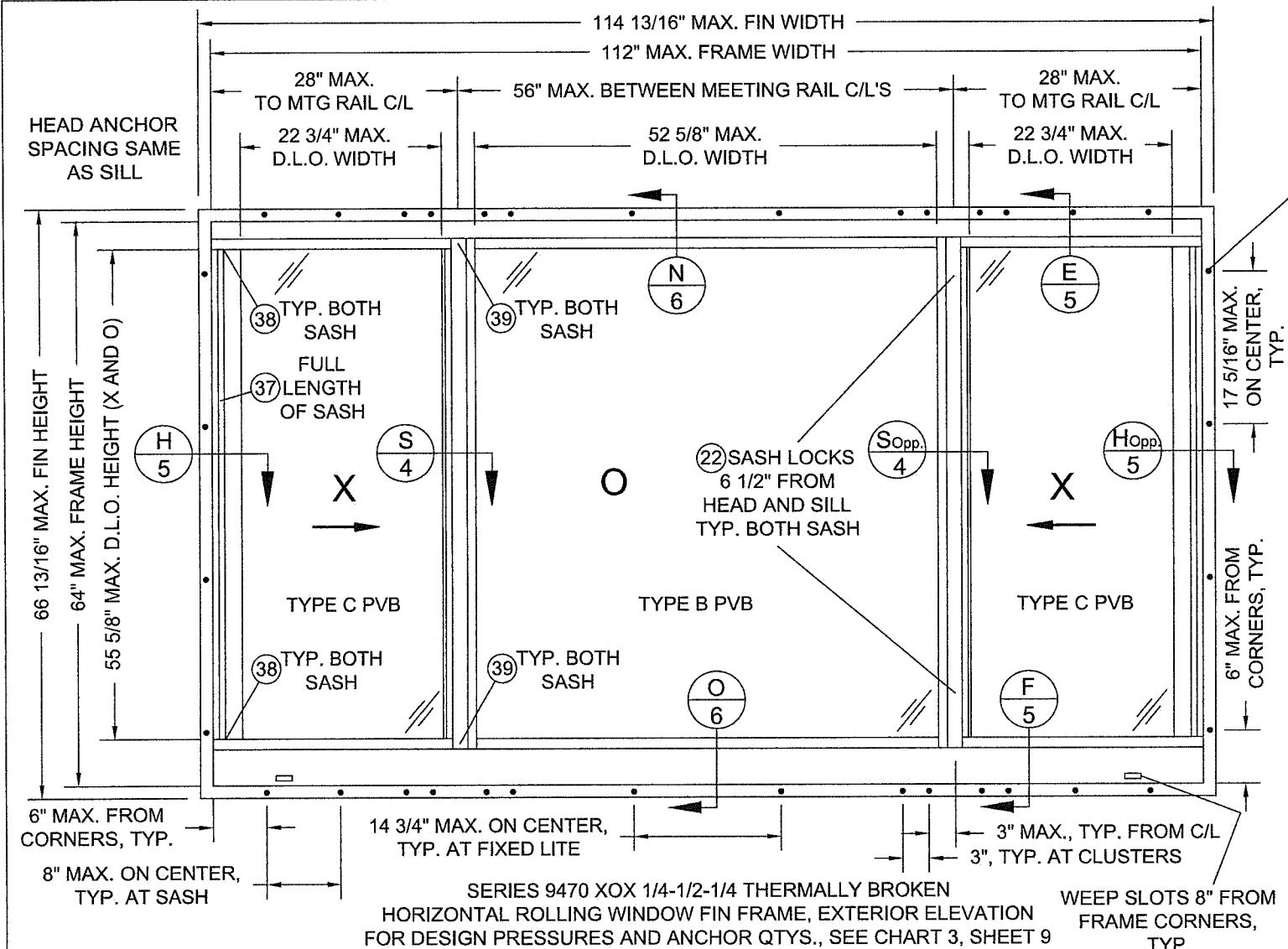
**PRODUCT REVISED**  
as complying with the Florida  
Building Code  
NOA-No. **20-0826.16**  
Expiration Date: **03/09/22**  
By: *Manuel Perez*  
Miami-Dade Product Control

Revisions:  
UPDATES FOR 2020 FBC. UPDATED  
MANUFACTURING ADDRESS.

WINDOOR <sup>®</sup> 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		
Title	THERMALLY BROKEN ALUM. HORIZ. ROLLER (LM)		Date	08/12/20
	ELEVATION - XOX4 FLANGE & EQUAL LEG		Drawn By	ERIN KOSS
	Sheet	1 OF 21	DWG No	9470-LMI-NOA
	Series	HR9470T	Rev.	



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

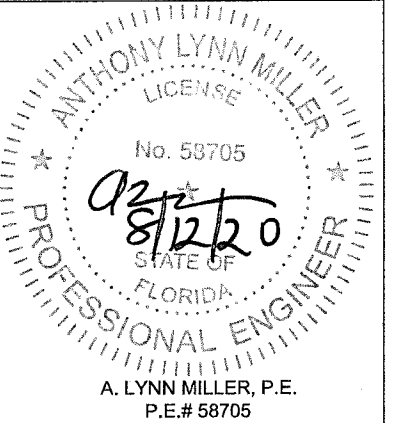


NOTE:  
FOR MEETING RAIL  
CLUSTERS, ANCHORS  
WITH CIRCLE ○ ONLY  
REQ'D FOR QUANTITIES  
OF 6 AND 8 'MR'  
ANCHORS, AND  
ANCHORS WITH SQUARE  
□ ONLY REQ'D FOR  
QUANTITY OF 8 'MR'  
ANCHORS, SEE SHEETS  
10 AND 11 FOR 'MR'  
ANCHOR QUANTITIES

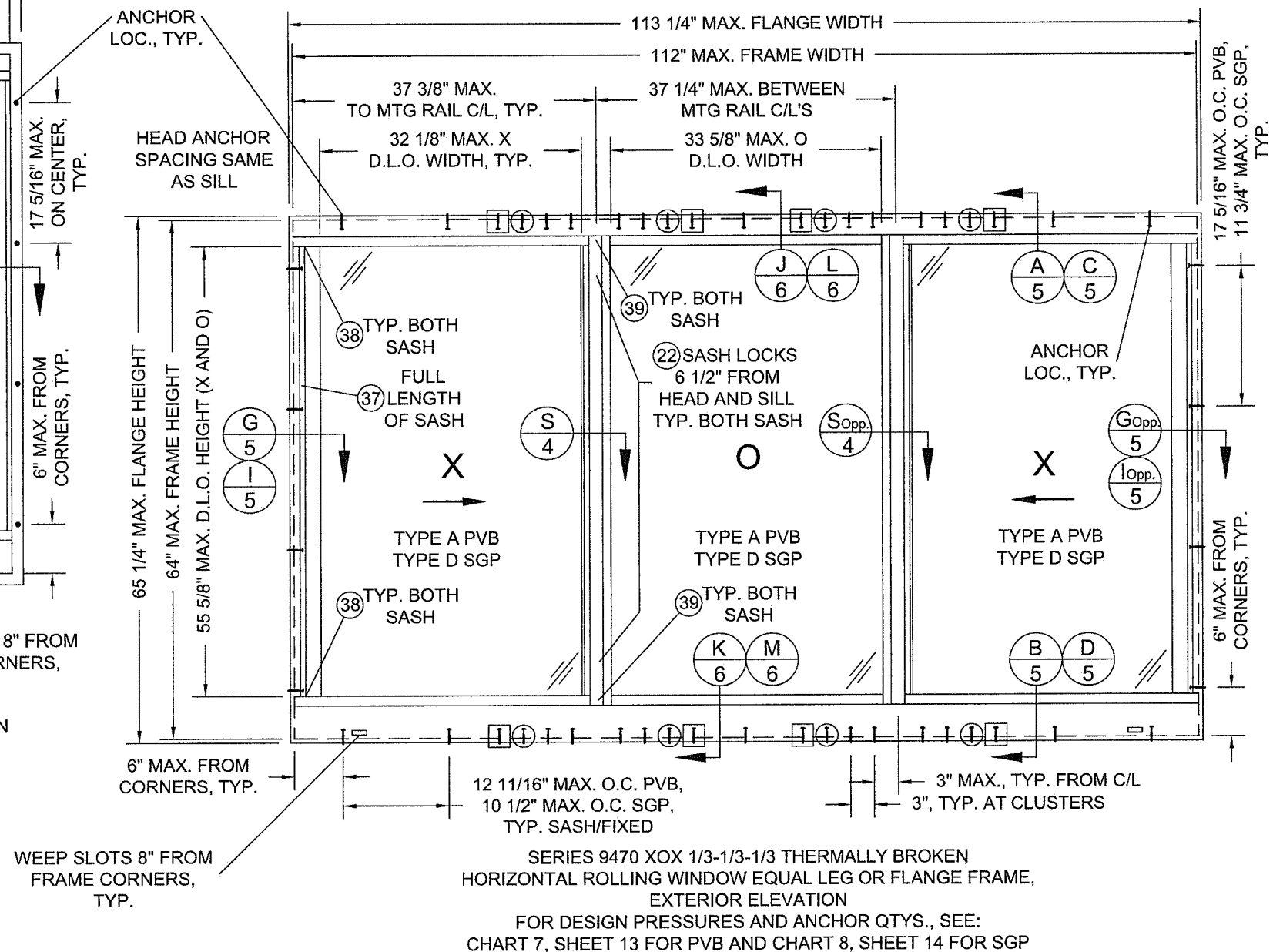
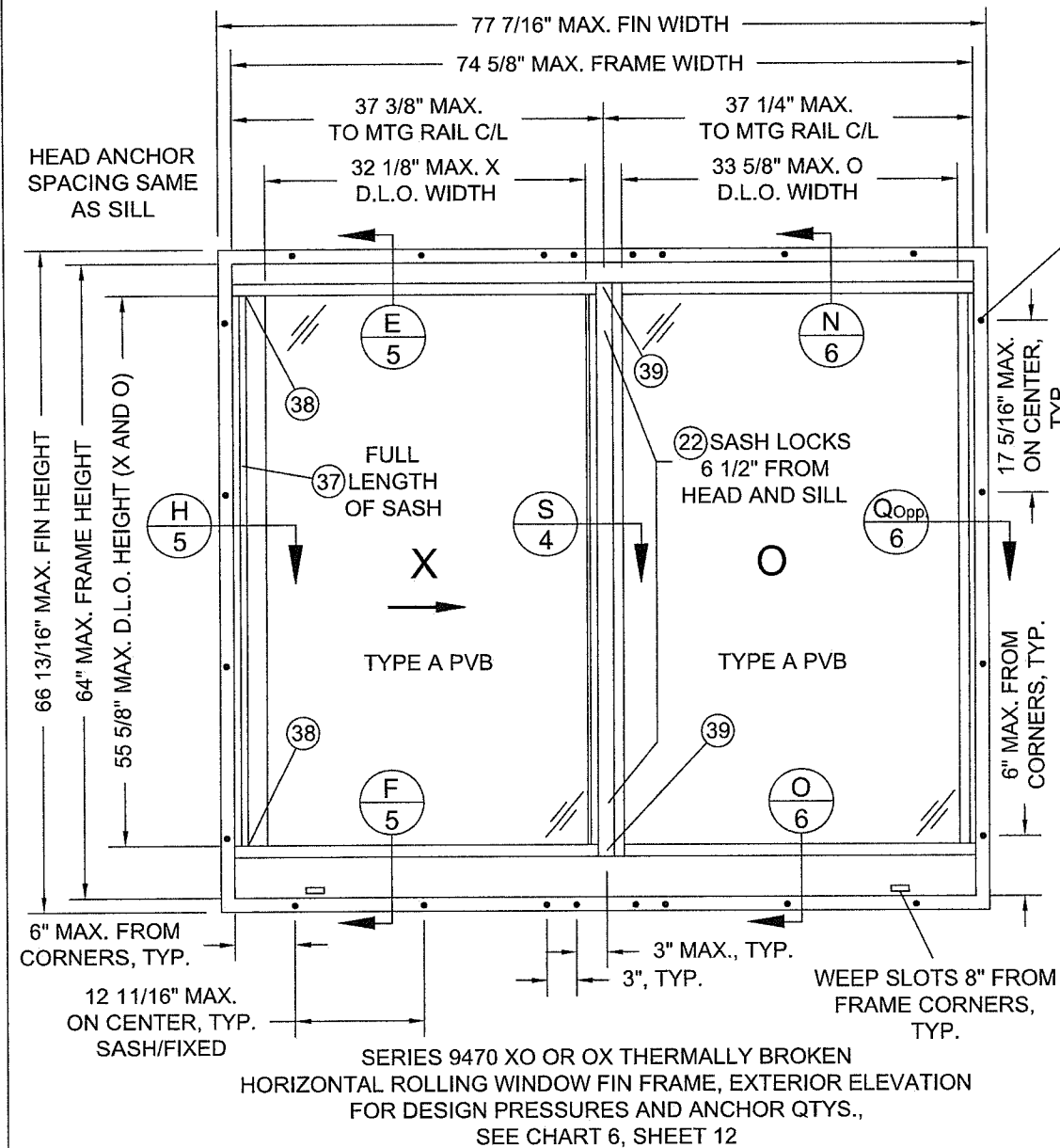
**PRODUCT REVISED**  
as complying with the Florida  
Building Code  
NOA-No. **20-0826.16**  
Expiration Date: **03/09/22**  
By: *Manuel Perez*  
Miami-Dade Product Control

Revision: NO CHANGES THIS SHEET.

PREPARED BY A. LYNN MILLER 1070 TECHNOLOGY DRIVE N. VENICE, FL 34275 (941) 480-1600 REGISTRATION #29296	Date 08/12/20	Drawn By ERIN KOSS	DWG No. 9470-LMI-NOA	Rev.
<b>WinDoor®</b> INCORPORATED WINDOOR INCORPORATED 104 TRIPLE DIAMOND BLVD. NORTH VENICE, FL 34275 (833) 554-5432	Title THERMALLY BROKEN ALUM. HORIZ. ROLLER (LM)	Desc. ELEVATIONS - XO/4 FIN & XO/4X FLANGE & EQUAL LEG	Sheet 2 OF 21	Series
				HR9470T





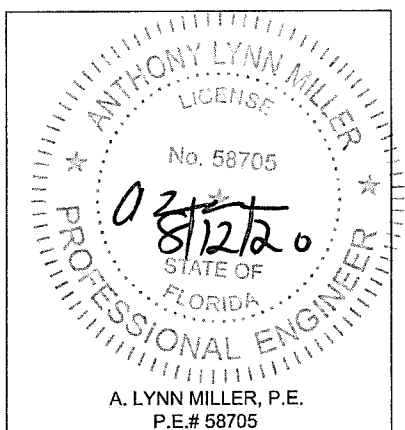


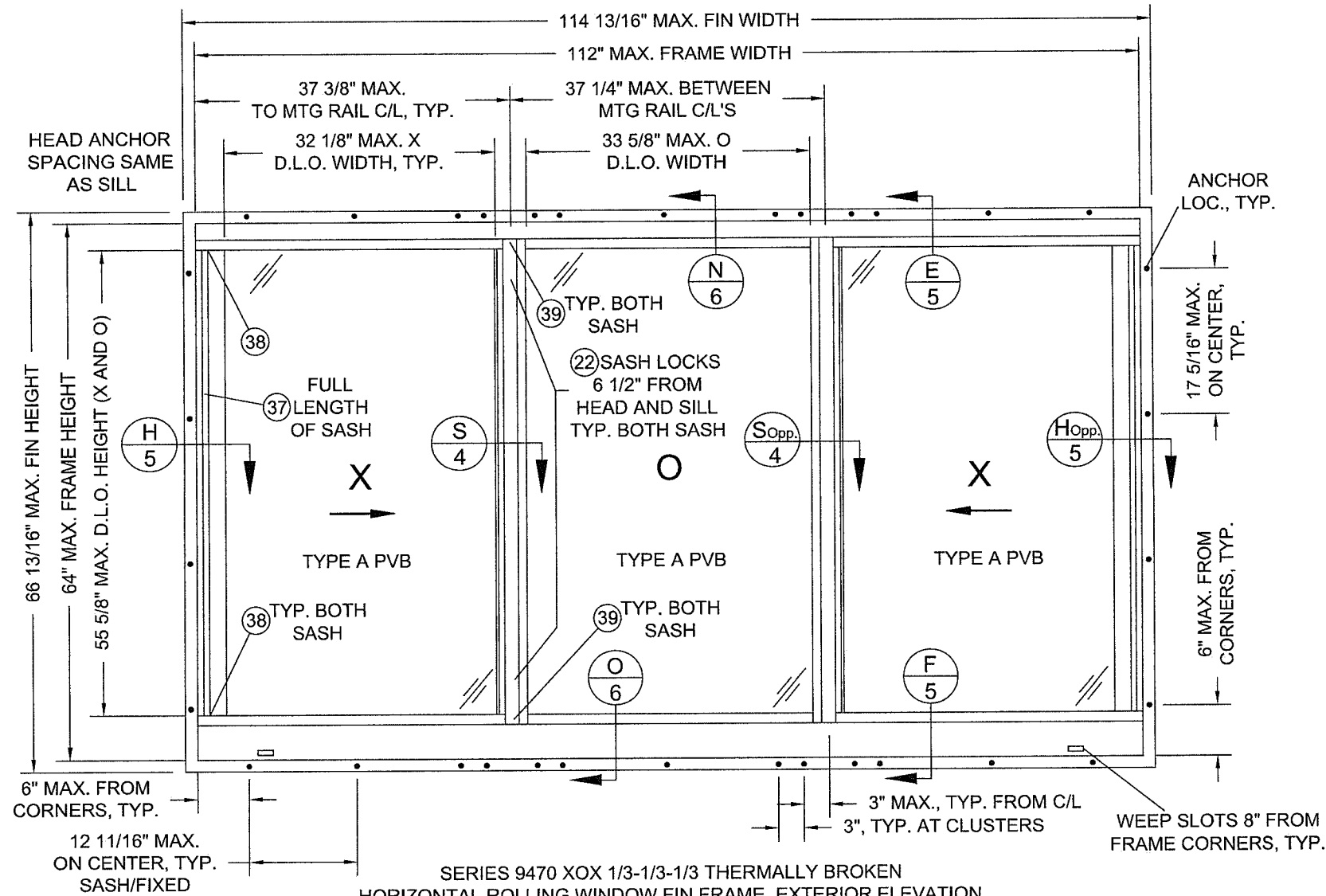
NOTE:  
FOR MEETING RAIL CLUSTERS, ANCHORS WITH CIRCLE ○ ONLY REQ'D FOR QUANTITIES OF 6 AND 8 'MR' ANCHORS, AND ANCHORS WITH SQUARE □ ONLY REQ'D FOR QUANTITY OF 8 'MR' ANCHORS, SEE SHEETS 13 AND 14 FOR 'MR' ANCHOR QUANTITIES

**PRODUCT REVISED**  
as complying with the Florida Building Code  
NOA-No. **20-0826.16**  
Expiration Date: **03/09/22**  
By: *Manuel Perez*  
Miami-Dade Product Control

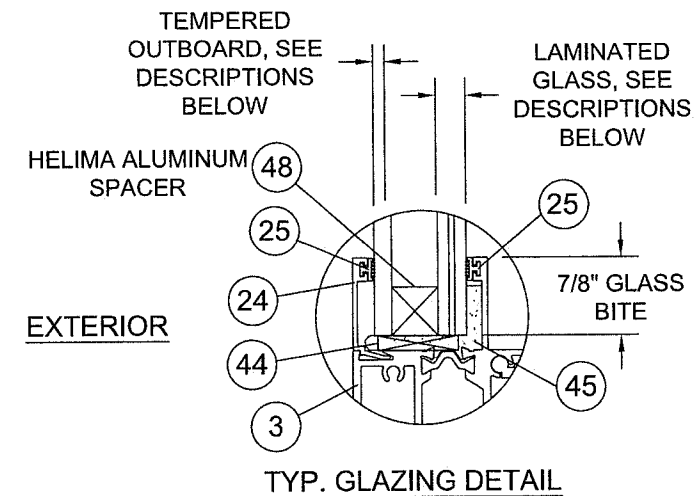
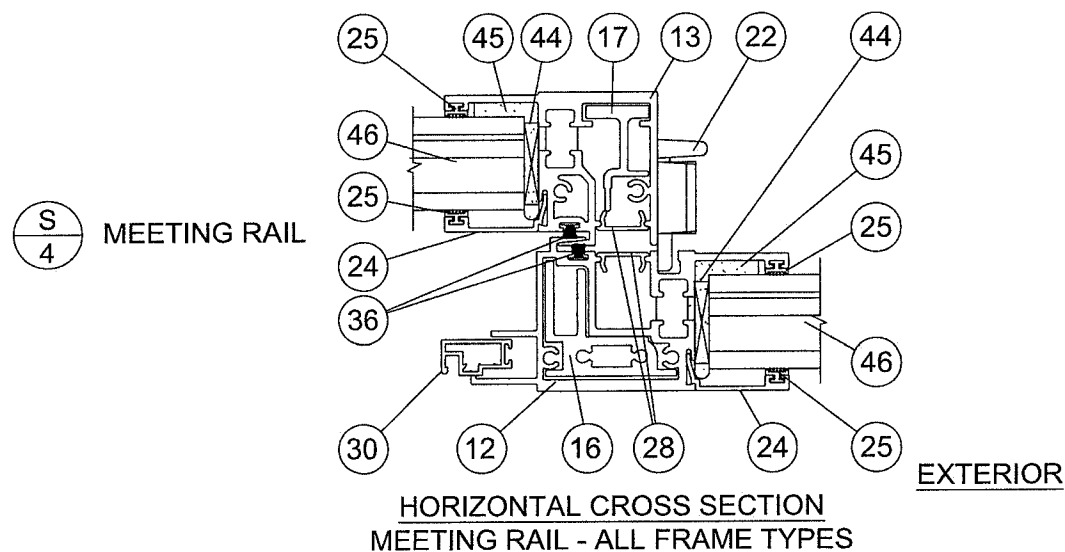
Revision: NO CHANGES THIS SHEET.

PREPARED BY A. LYNN MILLER 1070 TECHNOLOGY DRIVE N. VENICE, FL 34275 (941) 480-1600 REGISTRATION #29296	WINDOOR <sup>®</sup> INCORPORATED WINDOOR INCORPORATED 104 TRIPLE DIAMOND BLVD. NORTH VENICE, FL 34275 (833) 554-5432	THERMALLY BROKEN ALUM. HORIZ. ROLLER (LM)	08/12/20	Rev.
ELEVATIONS - XO/OX FIN & XOX3 FLANGE & EQUAL LEG	HR9470T	3 OF 21	Sheet	DWG
ERIN KOSS	9470-LM-NOA	By	Date	Rev.





SERIES 9470 XOX 1/3-1/3-1/3 THERMALLY BROKEN  
HORIZONTAL ROLLING WINDOW FIN FRAME, EXTERIOR ELEVATION  
FOR DESIGN PRESSURES AND ANCHOR QTYS., SEE CHART 9, SHEET 15

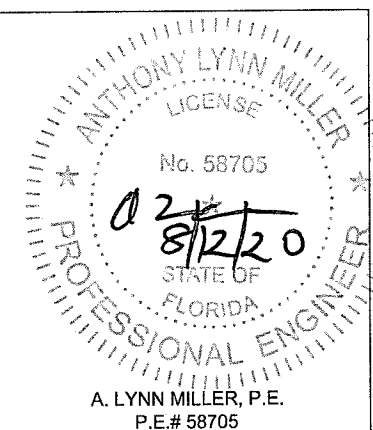


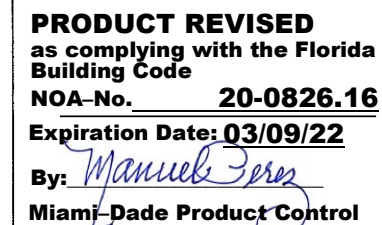
- IN GLAZING DESCRIPTIONS BELOW:  
'PVB' IS KURARAY PVB® (CLEAR AND WHITE)  
GLASS INTERLAYERS BY KURARAY AMERICA, INC.,  
'SGP' IS SENTRYGLAS® (CLEAR AND WHITE)  
GLASS INTERLAYERS BY KURARAY AMERICA, INC., AND  
'SPACER' IS HELIMA ALUMINUM SPACER, B.O.M. ITEM #48
- TYPE A 1" INSULATED LAMINATED GLASS:  
3/16" TEMPERED OUTBOARD + 1/2" SPACER + 5/16" LAMINATED  
(1/8" ANNEALED-0.090" PVB-1/8" ANNEALED)
- TYPE B 1" INSULATED LAMINATED GLASS:  
3/16" TEMPERED OUTBOARD + 3/8" SPACER + 7/16" LAMINATED  
(3/16" ANNEALED-0.090" PVB-3/16" ANNEALED)
- TYPE C 1" INSULATED LAMINATED GLASS:  
1/8" TEMPERED OUTBOARD + 9/16" SPACER + 5/16" LAMINATED  
(1/8" ANNEALED-0.090" PVB-1/8" ANNEALED)
- TYPE D 1" INSULATED LAMINATED GLASS:  
3/16" TEMPERED OUTBOARD + 3/8" SPACER + 7/16" LAMINATED  
(3/16" ANNEALED-0.090" SGP-3/16" ANNEALED)
- TYPE E 1" INSULATED LAMINATED GLASS:  
3/16" TEMPERED OUTBOARD + 1/2" SPACER + 5/16" LAMINATED  
(1/8" HEAT STRENGTHENED-0.090" SGP-1/8" HEAT STRENGTHENED)
- TYPE F 1" INSULATED LAMINATED GLASS:  
3/16" TEMPERED OUTBOARD + 1/2" SPACER + 5/16" LAMINATED  
(1/8" ANNEALED-0.090" SGP-1/8" ANNEALED)

**PRODUCT REVISED**  
as complying with the Florida  
Building Code  
NOA-No. **20-0826.16**  
Expiration Date: **03/09/22**  
By: *Manuel Fern*  
Miami-Dade Product Control

NO CHANGES THIS SHEET.

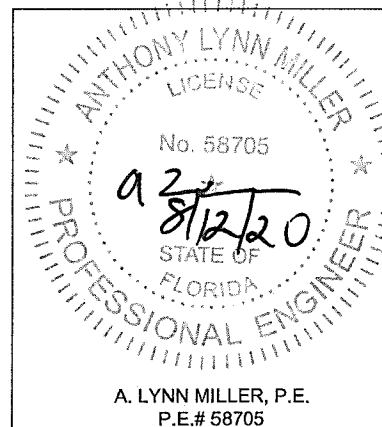
WINDOOR® INCORPORATED		PREPARED BY A. LYNN MILLER 1070 TECHNOLOGY DRIVE N. VENICE, FL 34275 (941) 480-1600 REGISTRATION #29296	
WINDOOR INCORPORATED 104 TRIPLE DIAMOND BLVD. NORTH VENICE, FL 34275 (833) 554-5432		THERMALLY BROKEN ALUM. HORIZ. ROLLER (LM)	
ELEVATION - XO3 FIN & GLAZING DETAILS		Date	
HR9470T		08/12/20	
Sheet		Drawn By	
4 OF 21		ERIN KOSS	
DWC		No	
9470-LMI-NOA		Rev.	



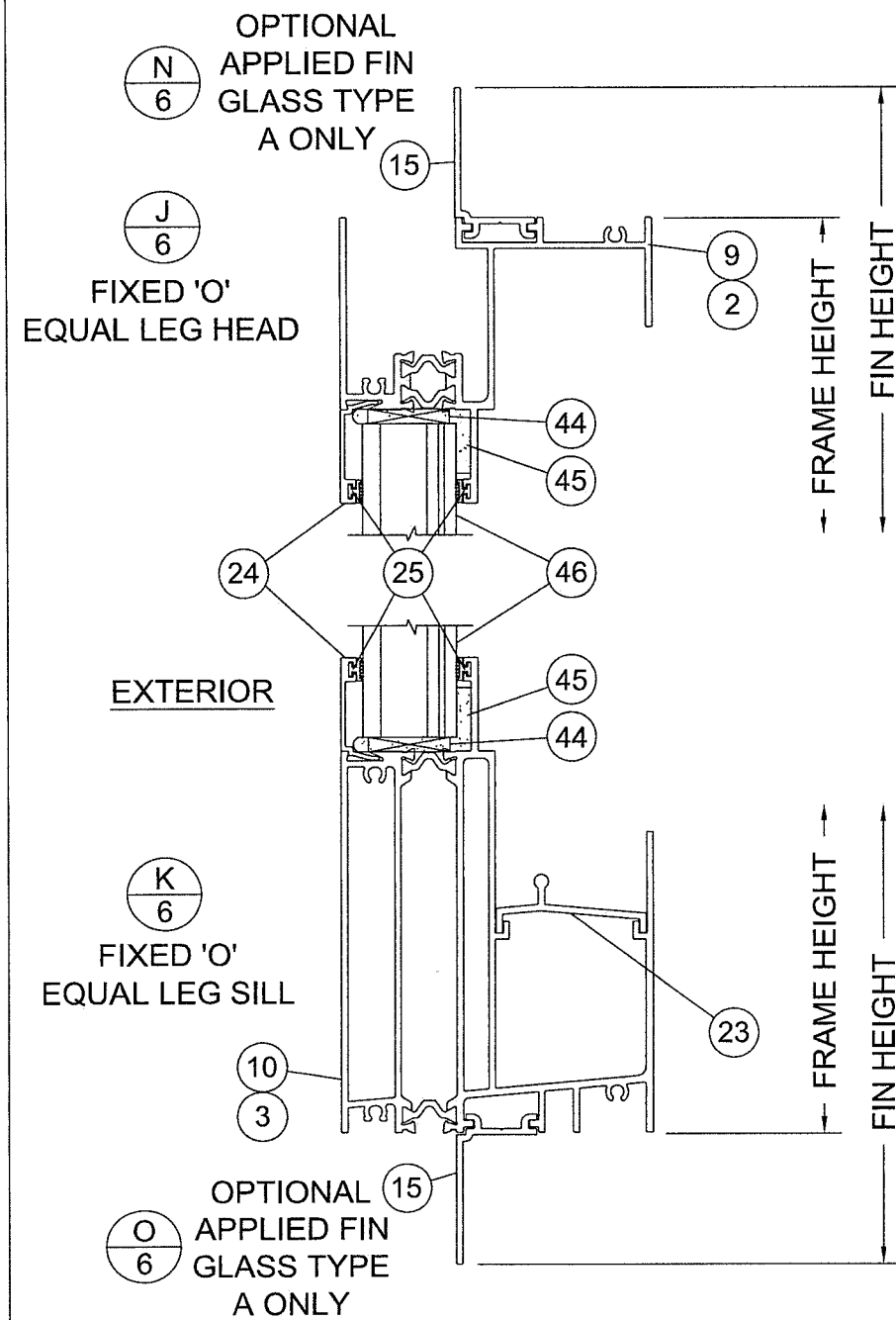


NO CHANGES THIS SHEET.

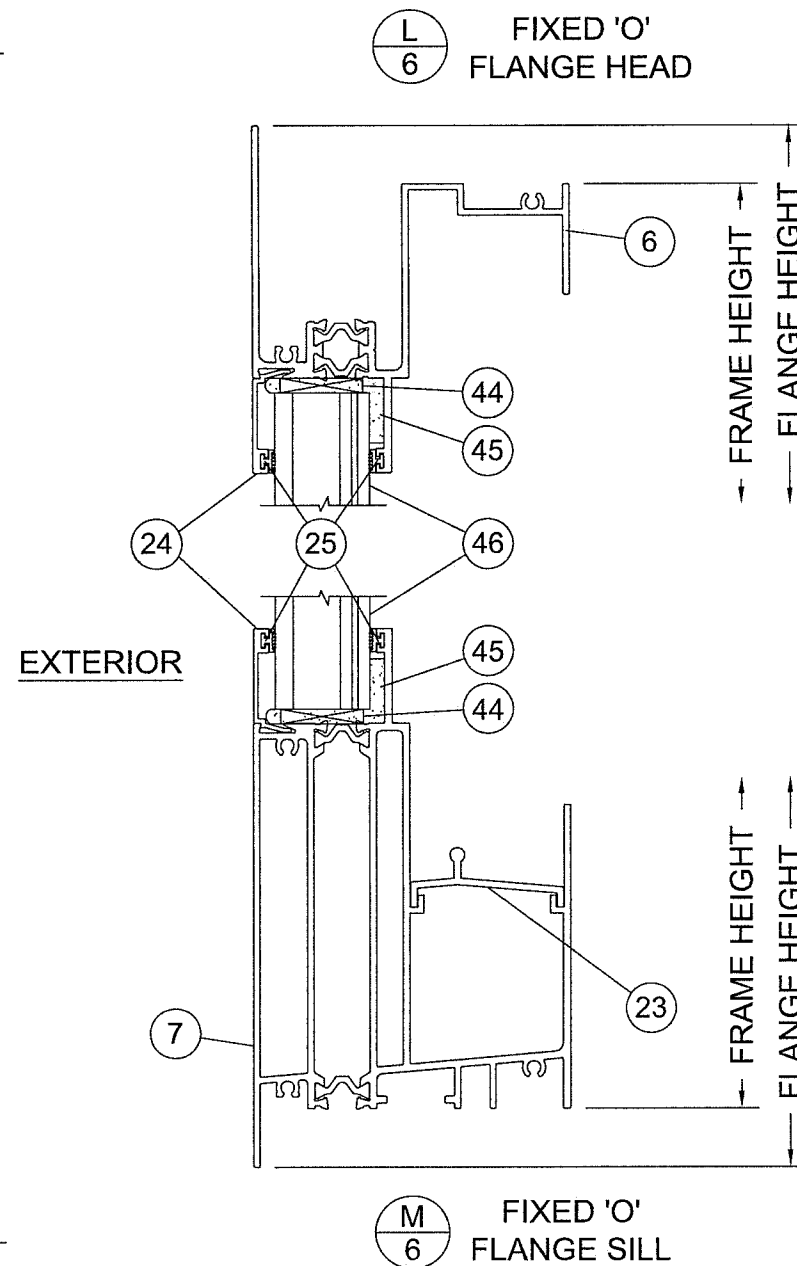
<b>WINDOOR®</b> <u>INCORPORATED</u>	PREPARED BY A. LYNN MILLER 1070 TECHNOLOGY DRIVE N. VENICE, FL 34275 (941) 480-1600 REGISTRATION #29296	
WINDOOR INCORPORATED 104 TRIPLE DIAMOND BLVD. NORTH VENICE, FL 34275 (833) 554-5432	THERMALLY BROKEN ALUM. HORIZ. ROLLER (LM)	
Title	Date	08/12/20
Series	Desc.	Rev.
HR9470T	SECTION VIEWS - OPERABLE (X)	9470-LMI-NOA
sheet	Drawn By	ERIN KOSS
5 OF 21	No.	



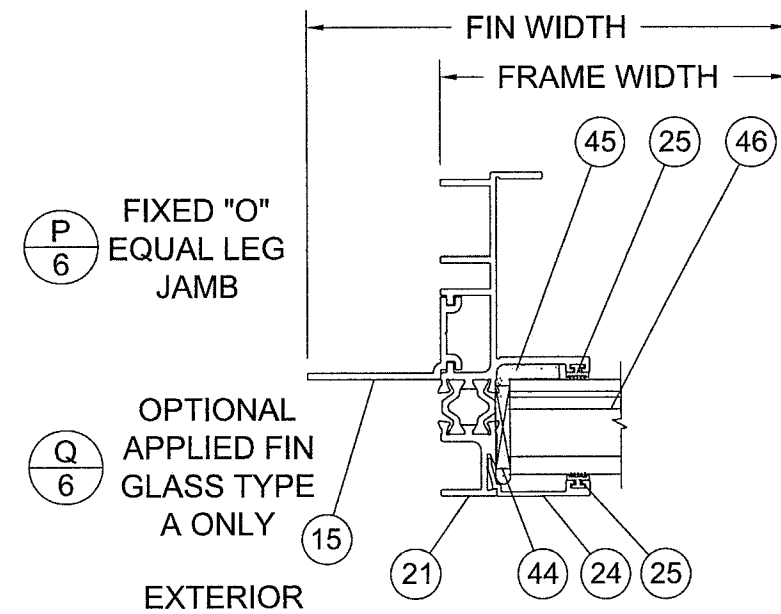




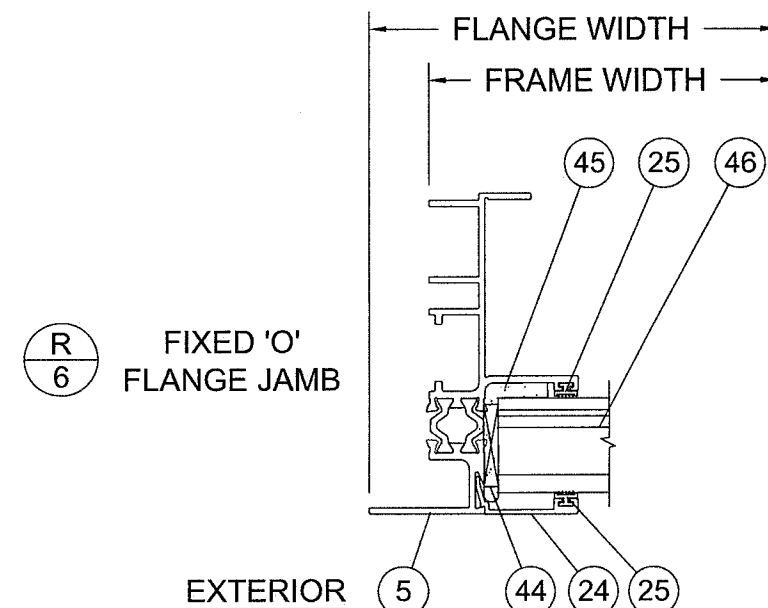
**VERTICAL CROSS SECTION  
'O' EQUAL LEG OR FIN FRAME**



**VERTICAL CROSS SECTION  
'O' FLANGE FRAME**



**HORIZONTAL CROSS SECTION  
'O' EQUAL LEG OR FIN FRAME**



**HORIZONTAL CROSS SECTION  
'O' FLANGE FRAME**

**PRODUCT REVISED**  
as complying with the Florida  
Building Code  
NOA-No. **20-0826.16**  
Expiration Date: **03/09/22**  
By: *Manuel Perez*  
Miami-Dade Product Control

Revision: NO CHANGES THIS SHEET.

WINDOOR® INCORPORATED	PREPARED BY A. LYNN MILLER 1070 TECHNOLOGY DRIVE N. VENICE, FL 34275 (941) 480-1600 REGISTRATION #29296		08/12/20	
	WINDOOR INCORPORATED 104 TRIPLE DIAMOND BLVD. NORTH VENICE, FL 34275 (833) 554-5432		Date	
THERMALLY BROKEN ALUM. HORIZ. ROLLER (LM)				
SECTION VIEWS - FIXED (O)	By	ERIN KOSS		
HR9470T	Sheet	6 OF 21	DWG No.	9470-LMI-NOA
Series	Rev.			

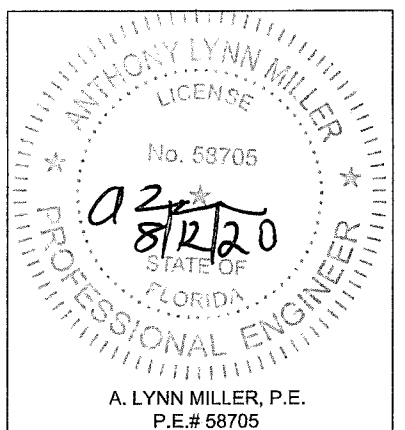




CHART 1. XOX 1/4-1/2-1/4 (FLANGE OR EQ. LEG) WITH PVB (GLASS TYPE B IN FIXED, GLASS TYPE C IN SASH) DESIGN PRESSURES (PSF)

FRAME HEIGHT (in.)	SUB- STRATE	FRAME WIDTH (in.)									
		60	66	72	78	84	90	96	102	108	112
24	C/M	+80.0/-80.0	+80.0/-80.0	+80.0/-80.0	+80.0/-80.0	+80.0/-80.0	+80.0/-80.0	+80.0/-80.0	+80.0/-80.0	+80.0/-80.0	+80.0/-80.0
	W	+80.0/-80.0	+80.0/-80.0	+80.0/-80.0	+80.0/-80.0	+80.0/-80.0	+80.0/-80.0	+80.0/-80.0	+80.0/-80.0	+80.0/-80.0	+80.0/-80.0
30	C/M	+80.0/-80.0	+80.0/-80.0	+80.0/-80.0	+80.0/-80.0	+80.0/-80.0	+80.0/-80.0	+80.0/-80.0	+80.0/-80.0	+80.0/-80.0	+80.0/-80.0
	W	+80.0/-80.0	+80.0/-80.0	+80.0/-80.0	+80.0/-80.0	+80.0/-80.0	+80.0/-80.0	+80.0/-80.0	+80.0/-80.0	+80.0/-80.0	+80.0/-80.0
36	C/M	+80.0/-80.0	+80.0/-80.0	+80.0/-80.0	+80.0/-80.0	+80.0/-80.0	+80.0/-80.0	+80.0/-80.0	+80.0/-80.0	+80.0/-80.0	+80.0/-80.0
	W	+80.0/-80.0	+80.0/-80.0	+80.0/-80.0	+80.0/-80.0	+80.0/-80.0	+80.0/-80.0	+80.0/-80.0	+80.0/-80.0	+78.0/-78.0	+74.0/-74.0
42	C/M	+80.0/-80.0	+80.0/-80.0	+80.0/-80.0	+80.0/-80.0	+80.0/-80.0	+80.0/-80.0	+80.0/-80.0	+80.0/-80.0	+80.0/-80.0	+80.0/-80.0
	W	+80.0/-80.0	+80.0/-80.0	+80.0/-80.0	+80.0/-80.0	+80.0/-80.0	+80.0/-80.0	+80.0/-80.0	+80.0/-80.0	+73.0/-73.0	+69.0/-69.0
48	C/M	+80.0/-80.0	+80.0/-80.0	+80.0/-80.0	+80.0/-80.0	+80.0/-80.0	+80.0/-80.0	+80.0/-80.0	+80.0/-80.0	+80.0/-80.0	+80.0/-80.0
	W	+80.0/-80.0	+80.0/-80.0	+80.0/-80.0	+80.0/-80.0	+80.0/-80.0	+80.0/-80.0	+80.0/-80.0	+78.0/-78.0	+70.0/-70.0	+66.0/-66.0
54	C/M	+80.0/-80.0	+80.0/-80.0	+80.0/-80.0	+80.0/-80.0	+80.0/-80.0	+80.0/-80.0	+80.0/-80.0	+80.0/-80.0	+80.0/-80.0	+80.0/-80.0
	W	+80.0/-80.0	+80.0/-80.0	+80.0/-80.0	+80.0/-80.0	+80.0/-80.0	+80.0/-80.0	+80.0/-80.0	+78.0/-78.0	+69.0/-69.0	+65.0/-65.0
60	C/M	+80.0/-80.0	+80.0/-80.0	+80.0/-80.0	+80.0/-80.0	+80.0/-80.0	+80.0/-80.0	+80.0/-80.0	+80.0/-80.0	+80.0/-80.0	+80.0/-80.0
	W	+80.0/-80.0	+80.0/-80.0	+80.0/-80.0	+80.0/-80.0	+79.0/-79.0	+76.0/-76.0	+73.0/-73.0	+70.0/-70.0	+68.0/-68.0	+65.0/-65.0
64	C/M	+80.0/-80.0	+80.0/-80.0	+80.0/-80.0	+80.0/-80.0	+80.0/-80.0	+80.0/-80.0	+80.0/-80.0	+80.0/-80.0	+80.0/-80.0	+80.0/-80.0
	W	+80.0/-80.0	+80.0/-80.0	+80.0/-80.0	+77.0/-77.0	+72.0/-72.0	+69.0/-69.0	+66.0/-66.0	+64.0/-64.0	+62.0/-62.0	+62.0/-62.0

ANCHOR QUANTITIES FOR CHART 1, SEE XOX 1/4-1/2-1/4 ELEVATION, SHEET 1, FOR LOCATIONS

FRAME HEIGHT (in.)	FRAME WIDTH (in.)																																							
	60				66				72				78				84				90				96				102				108				112			
	J	FHS	MR	SHS	J	FHS	MR	SHS	J	FHS	MR	SHS	J	FHS	MR	SHS	J	FHS	MR	SHS	J	FHS	MR	SHS	J	FHS	MR	SHS	J	FHS	MR	SHS	J	FHS	MR	SHS				
24	2	1	4	1	2	1	4	1	2	1	4	1	2	1	4	1	2	2	4	2	2	2	4	2	2	2	4	2	2	2	4	2	2	2	4	2				
30	3	1	4	1	3	1	4	1	3	1	4	1	3	1	4	1	3	2	4	2	3	2	4	2	3	2	4	2	3	2	4	2	3	2	4	2				
36	3	1	4	1	3	1	4	1	3	1	4	1	3	1	4	1	3	2	4	2	3	2	4	2	3	2	4	2	3	2	4	2	3	2	4	2				
42	3	1	4	1	3	1	4	1	3	1	4	1	3	1	4	1	3	2	4	2	3	2	4	2	3	2	4	2	3	2	4	2	3	2	4	2				
48	4	1	4	1	4	1	4	1	4	1	4	1	4	1	4	1	4	2	4	2	4	2	4	2	4	2	4	2	4	2	4	2	4	2	4	2				
54	4	1	4	1	4	1	4	1	4	1	4	1	4	1	4	1	4	2	4	2	4	2	4	2	4	2	4	2	4	2	4	2	4	2	4	2				
60	4	1	4	1	4	1	4	1	4	1	4	1	4	1	4	1	4	2	4	2	4	2	4	2	4	2	4	2	4	2	4	2	4	2	4	2				
64	4	1	4	1	4	1	4	1	4	1	4	1	4	1	4	1	4	2	4	2	4	2	4	2	4	2	4	2	4	2	6	2	4	2	6	2				

ABBREVIATIONS KEY:

J = TOTAL QTY EACH JAMB

FHS = QTY AT FIXED HEAD AND SILL NOT INCLUDING MTG RAIL

MR = TOTAL QTY AT EACH END OF MEETING RAIL

SHS = QTY AT SASH HEAD AND SILL NOT INCLUDING MTG RAIL

CHART 1 ANCHORAGE QUANTITY NOTES:

- CHART APPLIES TO FLANGE OR EQUAL LEG WINDOWS. SUBSTRATE 'C/M' INDICATES INSTALLATION TO CONCRETE/MASONRY OR METAL. SUBSTRATE 'W' INDICATES INSTALLATION TO WOOD FRAMING.
- DO NOT EXCEED MAX. ANCHOR SPACING SHOWN IN THE ELEVATION ON SHEET 1.
- ANCHOR QUANTITIES IN SHS LOCATIONS INCLUDE CORNER ANCHORS; EVENLY SPACE ANY ADDITIONAL ANCHORS REQUIRED BEYOND CORNER ANCHOR(S) BETWEEN CORNER AND MEETING RAIL ANCHORS.
- REDUCE CORNER OR ON-CENTER SPACING AS REQUIRED TO ENSURE 3" MIN. SPACING IS MAINTAINED BETWEEN ANY TWO FASTENERS

**PRODUCT REVISED**  
as complying with the Florida  
Building Code  
NOA-No. **20-0826.16**  
Expiration Date: **03/09/22**  
By: *Manuel Perez*  
Miami-Dade Product Control

Revision: NO CHANGES THIS SHEET.

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		THERMALLY BROKEN ALUM. HORIZ. ROLLER (LM)	
Title		Date	08/12/20
DP & ANCHORAGE CHARTS - XOX4 FLANGE & EQUAL LEG - PVB		By Erin Koss	ERIN KOSS
7 OF 21		No. DWG	
Sheet		9470-LMI-NOA	
Series	HR9470T	Rev.	

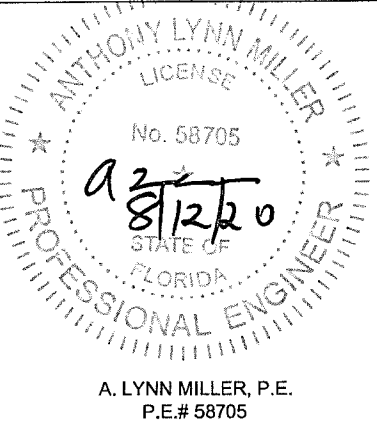


CHART 2. XOX 1/4-1/2-1/4 (FLANGE OR EQ. LEG) WITH SGP (GLASS TYPE E IN FIXED, GLASS TYPE F IN SASH) DESIGN PRESSURES (PSF)

FRAME HEIGHT (in.)	SUB-STRATE	FRAME WIDTH (in.)									
		60	66	72	78	84	90	96	102	108	112
24	C/M	+100.0/-160.0	+100.0/-160.0	+100.0/-160.0	+100.0/-160.0	+100.0/-160.0	+100.0/-160.0	+100.0/-160.0	+100.0/-160.0	+100.0/-147.0	+100.0/-137.8
	W	+100.0/-160.0	+100.0/-160.0	+100.0/-160.0	+100.0/-160.0	+100.0/-160.0	+100.0/-160.0	+100.0/-160.0	+100.0/-157.0	+100.0/-141.0	+100.0/-132.0
30	C/M	+100.0/-160.0	+100.0/-160.0	+100.0/-160.0	+100.0/-160.0	+100.0/-160.0	+100.0/-160.0	+100.0/-160.0	+100.0/-160.0	+100.0/-145.2	+100.0/-135.0
	W	+100.0/-160.0	+100.0/-160.0	+100.0/-160.0	+100.0/-160.0	+100.0/-160.0	+100.0/-151.0	+100.0/-151.0	+100.0/-151.0	+100.0/-139.0	+100.0/-130.0
36	C/M	+100.0/-160.0	+100.0/-160.0	+100.0/-160.0	+100.0/-160.0	+100.0/-160.0	+100.0/-160.0	+100.0/-160.0	+100.0/-160.0	+100.0/-145.2	+100.0/-135.0
	W	+100.0/-160.0	+100.0/-160.0	+100.0/-157.0	+100.0/-157.0	+100.0/-157.0	+100.0/-139.0	+100.0/-139.0	+100.0/-139.0	+100.0/-131.0	+100.0/-124.0
42	C/M	+100.0/-160.0	+100.0/-160.0	+100.0/-160.0	+100.0/-160.0	+100.0/-160.0	+100.0/-160.0	+100.0/-160.0	+100.0/-159.0	+100.0/-145.2	+100.0/-135.0
	W	+100.0/-153.0	+100.0/-145.0	+100.0/-139.0	+100.0/-135.0	+100.0/-132.0	+100.0/-129.0	+100.0/-127.0	+100.0/-125.0	+100.0/-122.0	+100.0/-115.0
48	C/M	+100.0/-160.0	+100.0/-160.0	+100.0/-160.0	+100.0/-160.0	+100.0/-160.0	+100.0/-160.0	+100.0/-160.0	+100.0/-159.0	+100.0/-145.2	+100.0/-135.0
	W	+100.0/-153.0	+100.0/-145.0	+100.0/-139.0	+100.0/-135.0	+100.0/-132.0	+100.0/-129.0	+100.0/-127.0	+100.0/-125.0	+100.0/-118.0	+100.0/-110.0
54	C/M	+100.0/-160.0	+100.0/-160.0	+100.0/-160.0	+100.0/-160.0	+100.0/-160.0	+100.0/-160.0	+100.0/-160.0	+100.0/-159.0	+100.0/-145.2	+100.0/-135.0
	W	+100.0/-153.0	+100.0/-145.0	+100.0/-139.0	+100.0/-135.0	+100.0/-132.0	+100.0/-129.0	+100.0/-127.0	+100.0/-125.0	+100.0/-116.0	+100.0/-108.0
60	C/M	+100.0/-160.0	+100.0/-160.0	+100.0/-160.0	+100.0/-160.0	+100.0/-160.0	+100.0/-160.0	+100.0/-157.8	+100.0/-149.6	+100.0/-142.4	+100.0/-135.0
	W	+100.0/-153.0	+100.0/-145.0	+100.0/-139.0	+100.0/-132.0	+100.0/-126.0	+100.0/-126.0	+100.0/-126.0	+100.0/-125.0	+100.0/-116.0	+100.0/-108.0
64	C/M	+100.0/-160.0	+100.0/-160.0	+100.0/-160.0	+100.0/-160.0	+100.0/-157.4	+100.0/-151.0	+100.0/-145.6	+100.0/-140.6	+100.0/-134.1	+100.0/-129.6
	W	+100.0/-146.0	+100.0/-136.0	+100.0/-128.0	+100.0/-128.0	+100.0/-126.0	+100.0/-126.0	+100.0/-126.0	+100.0/-125.0	+100.0/-116.0	+100.0/-108.0

ANCHOR QUANTITIES FOR CHART 2, SEE XOX 1/4-1/2-1/4 ELEVATION, SHEET 1, FOR LOCATIONS

FRAME HEIGHT (in.)	FRAME WIDTH (in.)																																							
	60				66				72				78				84				90				96				102				108				112			
	J	FHS	MR	SHS	J	FHS	MR	SHS	J	FHS	MR	SHS	J	FHS	MR	SHS	J	FHS	MR	SHS	J	FHS	MR	SHS	J	FHS	MR	SHS	J	FHS	MR	SHS	J	FHS	MR	SHS				
24	2	2	4	1	2	2	4	1	2	2	4	1	2	3	4	1	2	3	4	2	2	3	4	2	2	4	4	2	2	4	4	2	2	4	4	2				
30	3	2	4	1	3	2	4	1	3	2	4	1	3	3	4	1	3	3	4	2	3	3	4	2	3	4	4	2	3	4	4	2	3	4	4	2				
36	3	2	4	1	3	2	4	1	3	2	4	1	3	3	4	1	3	3	4	2	3	3	4	2	3	4	4	2	3	4	4	2	3	4	4	2				
42	3	2	4	1	3	2	4	1	3	2	4	1	3	3	4	1	3	3	4	2	3	3	4	2	3	4	4	2	3	4	4	2	3	4	4	2				
48	4	2	6	1	4	2	6	1	4	2	6	1	4	3	6	1	4	3	6	2	4	3	6	2	4	4	6	2	4	4	6	2	4	4	6	2				
54	4	2	6	1	4	2	6	1	4	2	6	1	4	3	6	1	4	3	6	2	4	3	6	2	4	4	6	2	4	4	6	2	4	4	6	2				
60	5	2	6	1	5	2	6	1	5	2	6	1	5	3	6	1	5	3	6	2	5	3	8	2	5	4	8	2	5	4	8	2	5	4	8	2				
64	5	2	6	1	5	2	6	1	5	2	6	1	5	3	8	1	5	3	8	2	5	3	8	2	5	4	8	2	5	4	8	2	5	4	8	2				

ABBREVIATIONS KEY:

J = TOTAL QTY EACH JAMB                      FHS = QTY AT FIXED HEAD AND SILL NOT INCLUDING MTG RAIL                      MR = TOTAL QTY AT EACH END OF MEETING RAIL  
SHS = QTY AT SASH HEAD AND SILL NOT INCLUDING MTG RAIL

CHART 2 ANCHORAGE QUANTITY NOTES:

1. CHART APPLIES TO FLANGE OR EQUAL LEG WINDOWS. SUBSTRATE 'C/M' INDICATES INSTALLATION TO CONCRETE/MASONRY OR METAL. SUBSTRATE 'W' INDICATES INSTALLATION TO WOOD FRAMING.
2. DO NOT EXCEED MAX. ANCHOR SPACING SHOWN IN THE ELEVATION ON SHEET 1.
3. ANCHOR QUANTITIES IN SHS LOCATIONS INCLUDE CORNER ANCHORS; EVENLY SPACE ANY ADDITIONAL ANCHORS REQUIRED BEYOND CORNER ANCHOR(S) BETWEEN CORNER AND MEETING RAIL ANCHORS.
4. REDUCE CORNER OR ON-CENTER SPACING AS REQUIRED TO ENSURE 3" MIN. SPACING IS MAINTAINED BETWEEN ANY TWO FASTENERS

**PRODUCT REVISED**  
as complying with the Florida  
Building Code  
NOA-No. **20-0826.16**  
Expiration Date: **03/09/22**  
By: *Manuel Perez*  
**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

08/12/20  
Date

ERIN KOSS  
By

9470-LMI-NOA  
No.

8 OF 21  
Dwg

HR9470T  
Sheet

THERMALLY BROKEN ALUM. HORIZ. ROLLER (LM)  
DP & ANCHORAGE CHARTS -  
XOX4 FLANGE & EQUAL LEG - SG  
Title

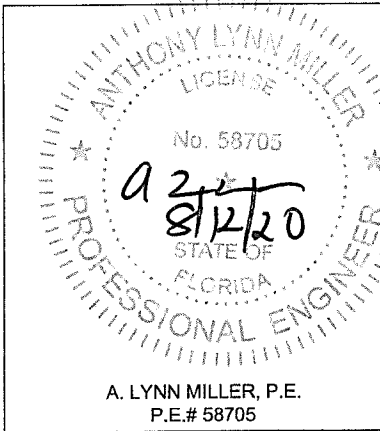




CHART 3. XOX 1/4-1/2-1/4 (FIN) WITH PVB (GLASS TYPE B IN FIXED, GLASS TYPE C IN SASH) DESIGN PRESSURES (PSF)

FRAME HEIGHT (in.)	SUB- STRATE	FRAME WIDTH (in.)									
		60	66	72	78	84	90	96	102	108	112
24	WOOD	+70.0/-70.0	+70.0/-70.0	+70.0/-70.0	+70.0/-70.0	+70.0/-70.0	+70.0/-70.0	+70.0/-70.0	+70.0/-70.0	+70.0/-70.0	+70.0/-70.0
30	WOOD	+70.0/-70.0	+70.0/-70.0	+70.0/-70.0	+70.0/-70.0	+70.0/-70.0	+70.0/-70.0	+70.0/-70.0	+70.0/-70.0	+70.0/-70.0	+70.0/-70.0
36	WOOD	+70.0/-70.0	+70.0/-70.0	+70.0/-70.0	+70.0/-70.0	+70.0/-70.0	+70.0/-70.0	+70.0/-70.0	+70.0/-70.0	+70.0/-70.0	+70.0/-70.0
42	WOOD	+70.0/-70.0	+70.0/-70.0	+70.0/-70.0	+70.0/-70.0	+70.0/-70.0	+70.0/-70.0	+70.0/-70.0	+70.0/-70.0	+70.0/-70.0	+70.0/-70.0
48	WOOD	+70.0/-70.0	+70.0/-70.0	+70.0/-70.0	+70.0/-70.0	+70.0/-70.0	+70.0/-70.0	+70.0/-70.0	+70.0/-70.0	+70.0/-70.0	+70.0/-70.0
54	WOOD	+70.0/-70.0	+70.0/-70.0	+70.0/-70.0	+70.0/-70.0	+70.0/-70.0	+70.0/-70.0	+70.0/-70.0	+70.0/-70.0	+70.0/-70.0	+70.0/-70.0
60	WOOD	+70.0/-70.0	+70.0/-70.0	+70.0/-70.0	+70.0/-70.0	+70.0/-70.0	+70.0/-70.0	+70.0/-70.0	+70.0/-70.0	+70.0/-70.0	+70.0/-70.0
64	WOOD	+70.0/-70.0	+70.0/-70.0	+70.0/-70.0	+70.0/-70.0	+70.0/-70.0	+70.0/-70.0	+70.0/-70.0	+70.0/-70.0	+70.0/-70.0	+70.0/-70.0

ANCHOR QUANTITIES FOR CHART 3, SEE XOX 1/4-1/2-1/4 ELEVATION, SHEET 2, FOR LOCATIONS

FRAME HEIGHT (in.)	FRAME WIDTH (in.)																																							
	60				66				72				78				84				90				96				102				108				112			
	J	FHS	MR	SHS	J	FHS	MR	SHS	J	FHS	MR	SHS	J	FHS	MR	SHS	J	FHS	MR	SHS	J	FHS	MR	SHS	J	FHS	MR	SHS	J	FHS	MR	SHS	J	FHS	MR	SHS				
24	2	1	4	1	2	1	4	1	2	1	4	1	2	1	4	1	2	2	4	2	2	2	4	2	2	2	4	2	2	2	4	2	2	2	4	2				
30	3	1	4	1	3	1	4	1	3	1	4	1	3	1	4	1	3	2	4	2	3	2	4	2	3	2	4	2	3	2	4	2	3	2	4	2				
36	3	1	4	1	3	1	4	1	3	1	4	1	3	1	4	1	3	2	4	2	3	2	4	2	3	2	4	2	3	2	4	2	3	2	4	2				
42	3	1	4	1	3	1	4	1	3	1	4	1	3	1	4	1	3	2	4	2	3	2	4	2	3	2	4	2	3	2	4	2	3	2	4	2				
48	4	1	4	1	4	1	4	1	4	1	4	1	4	1	4	1	4	2	4	2	4	2	4	2	4	2	4	2	4	2	4	2	4	2	4	2				
54	4	1	4	1	4	1	4	1	4	1	4	1	4	1	4	1	4	2	4	2	4	2	4	2	4	2	4	2	4	2	4	2	4	2	4	2				
60	4	1	4	1	4	1	4	1	4	1	4	1	4	1	4	1	4	2	4	2	4	2	4	2	4	2	4	2	4	2	4	2	4	2	4	2				
64	4	1	4	1	4	1	4	1	4	1	4	1	4	1	4	1	4	2	4	2	4	2	4	2	4	2	4	2	4	2	4	2	4	2	4	2				

ABBREVIATIONS KEY:

J = TOTAL QTY EACH JAMB                      FHS = QTY AT FIXED HEAD AND SILL NOT INCLUDING MTG RAIL                      MR = TOTAL QTY AT EACH END OF MEETING RAIL  
SHS = QTY AT SASH HEAD AND SILL NOT INCLUDING MTG RAIL

CHART 3 ANCHORAGE QUANTITY NOTES:

1. CHART APPLIES TO FIN WINDOWS INSTALLED TO 2X WOOD THROUGH THE FIN.
2. DO NOT EXCEED MAX. ANCHOR SPACING SHOWN IN THE XOX ELEVATION ON SHEET 2.
3. ANCHOR QUANTITIES IN SHS LOCATIONS INCLUDE CORNER ANCHORS; EVENLY SPACE ANY ADDITIONAL ANCHORS REQUIRED BEYOND CORNER ANCHOR(S) BETWEEN CORNER AND MEETING RAIL ANCHORS.
4. REDUCE CORNER OR ON-CENTER SPACING AS REQUIRED TO ENSURE 3" MIN. SPACING IS MAINTAINED BETWEEN ANY TWO FASTENERS

**PRODUCT REVISED**  
as complying with the Florida  
Building Code  
NOA-No. **20-0826.16**  
Expiration Date: **03/09/22**  
By: *Manuel Perez*  
**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

08/12/20  
Date

ERIN KOSS  
By

9470-LMI-NOA  
DWG No.

9 OF 21  
Sheet

DP & ANCHORAGE CHARTS -  
XOX4 FIN - PVB ONLY  
Title

HR9470T  
Series

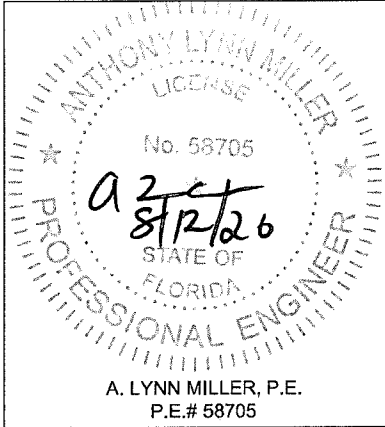


CHART 4. XO OR OX (FLANGE OR EQ. LEG) WITH PVB (GLASS TYPE A IN FIXED AND SASH) DESIGN PRESSURES (PSF)

FRAME HEIGHT (in.)	SUB- STRATE	FRAME WIDTH (in.)									
		40	44	48	52	56	60	64	68	72	74.625
24	C/M	+80.0/-80.0	+80.0/-80.0	+80.0/-80.0	+80.0/-80.0	+80.0/-80.0	+80.0/-80.0	+80.0/-80.0	+80.0/-80.0	+80.0/-80.0	+80.0/-80.0
	W	+80.0/-80.0	+80.0/-80.0	+80.0/-80.0	+80.0/-80.0	+80.0/-80.0	+80.0/-80.0	+80.0/-80.0	+80.0/-80.0	+80.0/-80.0	+80.0/-80.0
30	C/M	+80.0/-80.0	+80.0/-80.0	+80.0/-80.0	+80.0/-80.0	+80.0/-80.0	+80.0/-80.0	+80.0/-80.0	+80.0/-80.0	+80.0/-80.0	+80.0/-80.0
	W	+80.0/-80.0	+80.0/-80.0	+80.0/-80.0	+80.0/-80.0	+80.0/-80.0	+80.0/-80.0	+80.0/-80.0	+80.0/-80.0	+80.0/-80.0	+80.0/-80.0
36	C/M	+80.0/-80.0	+80.0/-80.0	+80.0/-80.0	+80.0/-80.0	+80.0/-80.0	+80.0/-80.0	+80.0/-80.0	+80.0/-80.0	+80.0/-80.0	+80.0/-80.0
	W	+80.0/-80.0	+80.0/-80.0	+80.0/-80.0	+80.0/-80.0	+80.0/-80.0	+80.0/-80.0	+80.0/-80.0	+80.0/-80.0	+80.0/-80.0	+80.0/-80.0
42	C/M	+80.0/-80.0	+80.0/-80.0	+80.0/-80.0	+80.0/-80.0	+80.0/-80.0	+80.0/-80.0	+80.0/-80.0	+80.0/-80.0	+80.0/-80.0	+80.0/-80.0
	W	+80.0/-80.0	+80.0/-80.0	+80.0/-80.0	+80.0/-80.0	+80.0/-80.0	+80.0/-80.0	+80.0/-80.0	+80.0/-80.0	+80.0/-80.0	+80.0/-80.0
48	C/M	+80.0/-80.0	+80.0/-80.0	+80.0/-80.0	+80.0/-80.0	+80.0/-80.0	+80.0/-80.0	+80.0/-80.0	+80.0/-80.0	+80.0/-80.0	+80.0/-80.0
	W	+80.0/-80.0	+80.0/-80.0	+80.0/-80.0	+80.0/-80.0	+80.0/-80.0	+80.0/-80.0	+80.0/-80.0	+80.0/-80.0	+80.0/-80.0	+80.0/-80.0
54	C/M	+80.0/-80.0	+80.0/-80.0	+80.0/-80.0	+80.0/-80.0	+80.0/-80.0	+80.0/-80.0	+80.0/-80.0	+80.0/-80.0	+80.0/-80.0	+80.0/-80.0
	W	+80.0/-80.0	+80.0/-80.0	+80.0/-80.0	+80.0/-80.0	+80.0/-80.0	+80.0/-80.0	+80.0/-80.0	+80.0/-80.0	+78.0/-78.0	+77.0/-77.0
60	C/M	+80.0/-80.0	+80.0/-80.0	+80.0/-80.0	+80.0/-80.0	+80.0/-80.0	+80.0/-80.0	+80.0/-80.0	+80.0/-80.0	+80.0/-80.0	+80.0/-80.0
	W	+80.0/-80.0	+80.0/-80.0	+80.0/-80.0	+80.0/-80.0	+79.0/-79.0	+75.0/-75.0	+72.0/-72.0	+69.0/-69.0	+67.0/-67.0	+66.0/-66.0
64	C/M	+80.0/-80.0	+80.0/-80.0	+80.0/-80.0	+80.0/-80.0	+80.0/-80.0	+80.0/-80.0	+80.0/-80.0	+80.0/-80.0	+80.0/-80.0	+80.0/-80.0
	W	+80.0/-80.0	+80.0/-80.0	+80.0/-80.0	+76.0/-76.0	+72.0/-72.0	+69.0/-69.0	+66.0/-66.0	+63.0/-63.0	+63.0/-63.0	+63.0/-63.0

ANCHOR QUANTITIES FOR CHART 4, SEE XO ELEVATION, SHEET 2, FOR LOCATIONS

FRAME HEIGHT  (in.)	FRAME WIDTH (in.)																																							
	40				44				48				52				56				60				64				68				72				74.625			
	J	FHS	MR	SHS	J	FHS	MR	SHS	J	FHS	MR	SHS	J	FHS	MR	SHS	J	FHS	MR	SHS	J	FHS	MR	SHS	J	FHS	MR	SHS	J	FHS	MR	SHS	J	FHS	MR	SHS				
24	2	1	4	1	2	1	4	1	2	1	4	1	2	2	4	2	2	2	4	2	2	2	4	2	2	2	4	2	2	2	4	2	2	2	4	2				
30	3	1	4	1	3	1	4	1	3	1	4	1	3	2	4	2	3	2	4	2	3	2	4	2	3	2	4	2	3	2	4	2	3	2	4	2				
36	3	1	4	1	3	1	4	1	3	1	4	1	3	2	4	2	3	2	4	2	3	2	4	2	3	2	4	2	3	2	4	2	3	2	4	2				
42	3	1	4	1	3	1	4	1	3	1	4	1	3	2	4	2	3	2	4	2	3	2	4	2	3	2	4	2	3	2	4	2	3	2	4	2				
48	4	1	4	1	4	1	4	1	4	1	4	1	4	2	4	2	4	2	4	2	4	2	4	2	4	2	4	2	4	2	4	2	4	2	4	2				
54	4	1	4	1	4	1	4	1	4	1	4	1	4	2	4	2	4	2	4	2	4	2	4	2	4	2	4	2	4	2	4	2	4	2	4	2				
60	4	1	4	1	4	1	4	1	4	1	4	1	4	2	4	2	4	2	4	2	4	2	4	2	4	2	4	2	4	2	4	2	4	2	4	2				
64	4	1	4	1	4	1	4	1	4	1	4	1	4	2	4	2	4	2	4	2	4	2	4	2	4	2	4	2	4	2	4	2	4	2	6	2				

ABBREVIATIONS KEY:

J = TOTAL QTY EACH JAMB                      FHS = QTY AT FIXED HEAD AND SILL NOT INCLUDING MTG RAIL                      MR = TOTAL QTY AT EACH END OF MEETING RAIL  
SHS = QTY AT SASH HEAD AND SILL NOT INCLUDING MTG RAIL

CHART 4 ANCHORAGE QUANTITY NOTES:

1. CHART APPLIES TO FLANGE OR EQUAL LEG WINDOWS. SUBSTRATE 'C/M' INDICATES INSTALLATION TO CONCRETE/MASONRY OR METAL. SUBSTRATE 'W' INDICATES INSTALLATION TO WOOD FRAMING.
2. DO NOT EXCEED MAX. ANCHOR SPACING SHOWN IN THE XO ELEVATION ON SHEET 2.
3. ANCHOR QUANTITIES IN SHS LOCATIONS INCLUDE CORNER ANCHORS; EVENLY SPACE ANY ADDITIONAL ANCHORS REQUIRED BEYOND CORNER ANCHOR(S) BETWEEN CORNER AND MEETING RAIL ANCHORS.
4. REDUCE CORNER OR ON-CENTER SPACING AS REQUIRED TO ENSURE 3" MIN. SPACING IS MAINTAINED BETWEEN ANY TWO FASTENERS

**PRODUCT REVISED**  
as complying with the Florida  
Building Code  
NOA-No. **20-0826.16**  
Expiration Date: **03/09/22**  
By: *Manuel Perez*  
**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

THERMALLY BROKEN ALUM. HORIZ. ROLLER (LM)

DP & ANCHORAGE CHARTS -  
XO/OX FLANGE & EQUAL LEG - PVB

HR9470T

Date08/12/20

ByERIN KOSS

No.9470-LMI-NOA

Sheet10 OF 21

Rev.



CHART 5. XO OR OX (FLANGE OR EQ. LEG) WITH SGP (GLASS TYPE D IN FIXED AND SASH) DESIGN PRESSURES (PSF)

FRAME HEIGHT (in.)	SUB- STRATE	FRAME WIDTH (in.)									
		40	44	48	52	56	60	64	68	72	74.625
24	C/M	+100.0/-160.0	+100.0/-160.0	+100.0/-160.0	+100.0/-160.0	+100.0/-160.0	+100.0/-160.0	+100.0/-160.0	+100.0/-160.0	+100.0/-160.0	+100.0/-154.7
	W	+100.0/-160.0	+100.0/-140.0	+100.0/-140.0	+100.0/-140.0	+100.0/-140.0	+100.0/-140.0	+100.0/-140.0	+100.0/-140.0	+100.0/-140.0	+100.0/-140.0
30	C/M	+100.0/-160.0	+100.0/-160.0	+100.0/-160.0	+100.0/-160.0	+100.0/-160.0	+100.0/-160.0	+100.0/-160.0	+100.0/-160.0	+100.0/-149.2	+100.0/-140.4
	W	+100.0/-160.0	+100.0/-140.0	+100.0/-140.0	+100.0/-140.0	+100.0/-140.0	+100.0/-140.0	+100.0/-133.0	+100.0/-133.0	+100.0/-133.0	+100.0/-133.0
36	C/M	+100.0/-160.0	+100.0/-160.0	+100.0/-160.0	+100.0/-160.0	+100.0/-160.0	+100.0/-160.0	+100.0/-160.0	+100.0/-160.0	+100.0/-145.0	+100.0/-135.2
	W	+100.0/-160.0	+100.0/-140.0	+100.0/-140.0	+100.0/-140.0	+100.0/-140.0	+100.0/-140.0	+100.0/-132.0	+100.0/-132.0	+100.0/-132.0	+100.0/-132.0
42	C/M	+100.0/-160.0	+100.0/-160.0	+100.0/-160.0	+100.0/-160.0	+100.0/-160.0	+100.0/-160.0	+100.0/-160.0	+100.0/-160.0	+100.0/-145.0	+100.0/-135.0
	W	+100.0/-159.0	+100.0/-140.0	+100.0/-140.0	+100.0/-135.0	+100.0/-130.0	+100.0/-125.0	+100.0/-125.0	+100.0/-125.0	+100.0/-125.0	+100.0/-125.0
48	C/M	+100.0/-160.0	+100.0/-160.0	+100.0/-160.0	+100.0/-160.0	+100.0/-160.0	+100.0/-160.0	+100.0/-160.0	+100.0/-160.0	+100.0/-145.0	+100.0/-135.0
	W	+100.0/-159.0	+100.0/-140.0	+100.0/-140.0	+100.0/-135.0	+100.0/-130.0	+100.0/-125.0	+100.0/-125.0	+100.0/-125.0	+100.0/-125.0	+100.0/-125.0
54	C/M	+100.0/-160.0	+100.0/-160.0	+100.0/-160.0	+100.0/-160.0	+100.0/-160.0	+100.0/-160.0	+100.0/-160.0	+100.0/-160.0	+100.0/-145.0	+100.0/-135.0
	W	+100.0/-159.0	+100.0/-140.0	+100.0/-140.0	+100.0/-135.0	+100.0/-130.0	+100.0/-125.0	+100.0/-125.0	+100.0/-125.0	+100.0/-125.0	+100.0/-125.0
60	C/M	+100.0/-160.0	+100.0/-160.0	+100.0/-160.0	+100.0/-160.0	+100.0/-160.0	+100.0/-160.0	+100.0/-157.4	+100.0/-150.4	+100.0/-144.4	+100.0/-135.0
	W	+100.0/-159.0	+100.0/-140.0	+100.0/-140.0	+100.0/-135.0	+100.0/-130.0	+100.0/-125.0	+100.0/-125.0	+100.0/-125.0	+100.0/-125.0	+100.0/-125.0
64	C/M	+100.0/-160.0	+100.0/-160.0	+100.0/-160.0	+100.0/-160.0	+100.0/-160.0	+100.0/-155.4	+100.0/-148.7	+100.0/-142.9	+100.0/-136.4	+100.0/-132.5
	W	+100.0/-157.0	+100.0/-140.0	+100.0/-136.0	+100.0/-128.0	+100.0/-128.0	+100.0/-125.0	+100.0/-125.0	+100.0/-125.0	+100.0/-123.0	+100.0/-120.0

ANCHOR QUANTITIES FOR CHART 5, SEE XO ELEVATION, SHEET 2, FOR LOCATIONS

FRAME HEIGHT (in.)	FRAME WIDTH (in.)																																							
	40				44				48				52				56				60				64				68				72				74.625			
	J	FHS	MR	SHS	J	FHS	MR	SHS	J	FHS	MR	SHS	J	FHS	MR	SHS	J	FHS	MR	SHS	J	FHS	MR	SHS	J	FHS	MR	SHS	J	FHS	MR	SHS	J	FHS	MR	SHS				
24	3	1	4	1	3	1	4	1	3	2	4	2	3	2	4	2	3	2	4	2	3	2	4	2	3	3	4	3	3	3	4	3	3	3	4	3				
30	3	1	4	1	3	1	4	1	3	2	4	2	3	2	4	2	3	2	4	2	3	2	4	2	3	3	4	3	3	3	4	3	3	3	4	3				
36	4	1	4	1	4	1	4	1	4	2	4	2	4	2	4	2	4	2	4	2	4	2	4	2	4	3	4	3	4	3	4	3	4	3	4	3				
42	4	1	4	1	4	1	4	1	4	2	4	2	4	2	4	2	4	2	4	2	4	2	4	2	4	3	6	3	4	3	6	3	4	3	6	3				
48	5	1	6	1	5	1	6	1	5	2	6	2	5	2	6	2	5	2	6	2	5	2	6	2	5	3	6	3	5	3	6	3	5	3	6	3				
54	5	1	6	1	5	1	6	1	5	2	6	2	5	2	6	2	5	2	6	2	5	2	6	2	5	3	6	3	5	3	6	3	5	3	6	3				
60	6	1	6	1	6	1	6	1	6	2	6	2	6	2	6	2	6	2	6	2	6	2	6	2	6	3	8	3	6	3	8	3	6	3	8	3				
64	6	1	6	1	6	1	6	1	6	2	6	2	6	2	6	2	6	2	8	2	6	2	8	2	6	3	8	3	6	3	8	3	6	3	8	3				

ABBREVIATIONS KEY:

J = TOTAL QTY EACH JAMB

FHS = QTY AT FIXED HEAD AND SILL NOT INCLUDING MTG RAIL

MR = TOTAL QTY AT EACH END OF MEETING RAIL

SHS = QTY AT SASH HEAD AND SILL NOT INCLUDING MTG RAIL

CHART 5 ANCHORAGE QUANTITY NOTES:

- CHART APPLIES TO FLANGE OR EQUAL LEG WINDOWS. SUBSTRATE 'C/M' INDICATES INSTALLATION TO CONCRETE/MASONRY OR METAL. SUBSTRATE 'W' INDICATES INSTALLATION TO WOOD FRAMING.
- DO NOT EXCEED MAX. ANCHOR SPACING SHOWN IN THE XO ELEVATION ON SHEET 2.
- ANCHOR QUANTITIES IN SHS LOCATIONS INCLUDE CORNER ANCHORS; EVENLY SPACE ANY ADDITIONAL ANCHORS REQUIRED BEYOND CORNER ANCHOR(S) BETWEEN CORNER AND MEETING RAIL ANCHORS.
- REDUCE CORNER OR ON-CENTER SPACING AS REQUIRED TO ENSURE 3" MIN. SPACING IS MAINTAINED BETWEEN ANY TWO FASTENERS

**PRODUCT REVISED**  
as complying with the Florida  
Building Code  
NOA-No. **20-0826.16**  
Expiration Date: **03/09/22**  
By: *Manuel Perez*  
**Miami-Dade Product Control**

Revision: NO CHANGES THIS SHEET.

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		THERMALLY BROKEN ALUM. HORIZ. ROLLER (LM)			
Title		Date		08/12/20	
DP & ANCHORAGE CHARTS - XO/OX FLANGE & EQUAL LEG - SG		Drawn By		ERIN KOSS	
Series Desc.		Sheet		Rev.	
HR9470T		11 OF 21		9470-LMI-NOA	
		DWG No.			

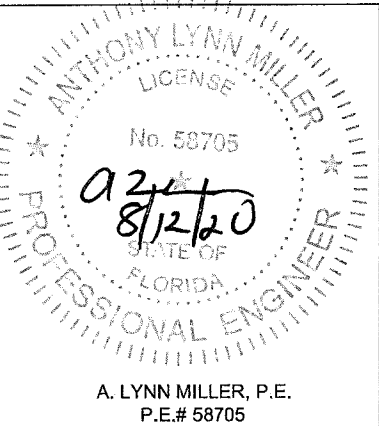


CHART 6. XO OR OX (FIN) WITH PVB (GLASS TYPE A IN FIXED AND SASH) DESIGN PRESSURES (PSF)

FRAME HEIGHT (in.)	SUB-STRATE	FRAME WIDTH (in.)									
		40	44	48	52	56	60	64	68	72	74.625
24	WOOD	+70.0/-70.0	+70.0/-70.0	+70.0/-70.0	+70.0/-70.0	+70.0/-70.0	+70.0/-70.0	+70.0/-70.0	+70.0/-70.0	+70.0/-70.0	+70.0/-70.0
30	WOOD	+70.0/-70.0	+70.0/-70.0	+70.0/-70.0	+70.0/-70.0	+70.0/-70.0	+70.0/-70.0	+70.0/-70.0	+70.0/-70.0	+70.0/-70.0	+70.0/-70.0
36	WOOD	+70.0/-70.0	+70.0/-70.0	+70.0/-70.0	+70.0/-70.0	+70.0/-70.0	+70.0/-70.0	+70.0/-70.0	+70.0/-70.0	+70.0/-70.0	+70.0/-70.0
42	WOOD	+70.0/-70.0	+70.0/-70.0	+70.0/-70.0	+70.0/-70.0	+70.0/-70.0	+70.0/-70.0	+70.0/-70.0	+70.0/-70.0	+70.0/-70.0	+70.0/-70.0
48	WOOD	+70.0/-70.0	+70.0/-70.0	+70.0/-70.0	+70.0/-70.0	+70.0/-70.0	+70.0/-70.0	+70.0/-70.0	+70.0/-70.0	+70.0/-70.0	+70.0/-70.0
54	WOOD	+70.0/-70.0	+70.0/-70.0	+70.0/-70.0	+70.0/-70.0	+70.0/-70.0	+70.0/-70.0	+70.0/-70.0	+70.0/-70.0	+70.0/-70.0	+70.0/-70.0
60	WOOD	+70.0/-70.0	+70.0/-70.0	+70.0/-70.0	+70.0/-70.0	+70.0/-70.0	+70.0/-70.0	+70.0/-70.0	+70.0/-70.0	+70.0/-70.0	+70.0/-70.0
64	WOOD	+70.0/-70.0	+70.0/-70.0	+70.0/-70.0	+70.0/-70.0	+70.0/-70.0	+70.0/-70.0	+70.0/-70.0	+70.0/-70.0	+70.0/-70.0	+70.0/-70.0

ANCHOR QUANTITIES FOR CHART 6, SEE XO ELEVATION, SHEET 3, FOR LOCATIONS

FRAME HEIGHT  (in.)	FRAME WIDTH (in.)																																							
	40				44				48				52				56				60				64				68				72				74.625			
	J	FHS	MR	SHS	J	FHS	MR	SHS	J	FHS	MR	SHS	J	FHS	MR	SHS	J	FHS	MR	SHS	J	FHS	MR	SHS	J	FHS	MR	SHS	J	FHS	MR	SHS	J	FHS	MR	SHS				
24	2	1	4	1	2	1	4	1	2	1	4	1	2	2	4	2	2	2	4	2	2	2	4	2	2	2	4	2	2	2	4	2	2	2	4	2				
30	3	1	4	1	3	1	4	1	3	1	4	1	3	2	4	2	3	2	4	2	3	2	4	2	3	2	4	2	3	2	4	2	3	2	4	2				
36	3	1	4	1	3	1	4	1	3	1	4	1	3	2	4	2	3	2	4	2	3	2	4	2	3	2	4	2	3	2	4	2	3	2	4	2				
42	3	1	4	1	3	1	4	1	3	1	4	1	3	2	4	2	3	2	4	2	3	2	4	2	3	2	4	2	3	2	4	2	3	2	4	2				
48	4	1	4	1	4	1	4	1	4	1	4	1	4	2	4	2	4	2	4	2	4	2	4	2	4	2	4	2	4	2	4	2	4	2	4	2				
54	4	1	4	1	4	1	4	1	4	1	4	1	4	2	4	2	4	2	4	2	4	2	4	2	4	2	4	2	4	2	4	2	4	2	4	2				
60	4	1	4	1	4	1	4	1	4	1	4	1	4	2	4	2	4	2	4	2	4	2	4	2	4	2	4	2	4	2	4	2	4	2	4	2				
64	4	1	4	1	4	1	4	1	4	1	4	1	4	2	4	2	4	2	4	2	4	2	4	2	4	2	4	2	4	2	4	2	4	2	4	2				

ABBREVIATIONS KEY:

J = TOTAL QTY EACH JAMB                      FHS = QTY AT FIXED HEAD AND SILL NOT INCLUDING MTG RAIL                      MR = TOTAL QTY AT EACH END OF MEETING RAIL  
SHS = QTY AT SASH HEAD AND SILL NOT INCLUDING MTG RAIL

CHART 6 ANCHORAGE QUANTITY NOTES:

1. CHART APPLIES TO FIN WINDOWS INSTALLED TO 2X WOOD THROUGH THE FIN.
2. DO NOT EXCEED MAX. ANCHOR SPACING SHOWN IN THE ELEVATION ON SHEET 3.
3. ANCHOR QUANTITIES IN SHS LOCATIONS INCLUDE CORNER ANCHORS; EVENLY SPACE ANY ADDITIONAL ANCHORS REQUIRED BEYOND CORNER ANCHOR(S) BETWEEN CORNER AND MEETING RAIL ANCHORS.
4. REDUCE CORNER OR ON-CENTER SPACING AS REQUIRED TO ENSURE 3" MIN. SPACING IS MAINTAINED BETWEEN ANY TWO FASTENERS

**PRODUCT REVISED**  
as complying with the Florida  
Building Code  
NOA-No. **20-0826.16**  
Expiration Date: **03/09/22**  
By: *Manuel Perez*  
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	THERMALLY BROKEN ALUM. HORIZ. ROLLER (LM)	Date	08/12/20	Rev.	
			By	ERIN KOSS	9470-LMI-NOA	12 OF 21
			Desc.	DP & ANCHORAGE CHARTS - XO/OX FIN - PVB ONLY		
			Series	HR9470T		

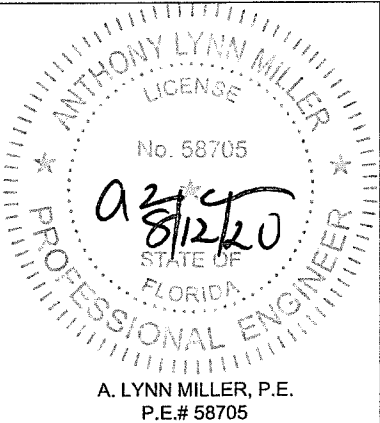




CHART 7. XOX 1/3-1/3-1/3 (FLANGE OR EQ. LEG) WITH PVB (GLASS TYPE A IN FIXED AND SASH) DESIGN PRESSURES (PSF)

FRAME HEIGHT (in.)	SUB- STRATE	FRAME WIDTH (in.)									
		60	66	72	78	84	90	96	102	108	112
24	C/M	+80.0/-80.0	+80.0/-80.0	+80.0/-80.0	+80.0/-80.0	+80.0/-80.0	+80.0/-80.0	+80.0/-80.0	+80.0/-80.0	+80.0/-80.0	+80.0/-80.0
	W	+80.0/-80.0	+80.0/-80.0	+80.0/-80.0	+80.0/-80.0	+80.0/-80.0	+80.0/-80.0	+80.0/-80.0	+80.0/-80.0	+80.0/-80.0	+80.0/-80.0
30	C/M	+80.0/-80.0	+80.0/-80.0	+80.0/-80.0	+80.0/-80.0	+80.0/-80.0	+80.0/-80.0	+80.0/-80.0	+80.0/-80.0	+80.0/-80.0	+80.0/-80.0
	W	+80.0/-80.0	+80.0/-80.0	+80.0/-80.0	+80.0/-80.0	+80.0/-80.0	+80.0/-80.0	+80.0/-80.0	+80.0/-80.0	+80.0/-80.0	+80.0/-80.0
36	C/M	+80.0/-80.0	+80.0/-80.0	+80.0/-80.0	+80.0/-80.0	+80.0/-80.0	+80.0/-80.0	+80.0/-80.0	+80.0/-80.0	+80.0/-80.0	+80.0/-80.0
	W	+80.0/-80.0	+80.0/-80.0	+80.0/-80.0	+80.0/-80.0	+80.0/-80.0	+80.0/-80.0	+80.0/-80.0	+80.0/-80.0	+80.0/-80.0	+80.0/-80.0
42	C/M	+80.0/-80.0	+80.0/-80.0	+80.0/-80.0	+80.0/-80.0	+80.0/-80.0	+80.0/-80.0	+80.0/-80.0	+80.0/-80.0	+80.0/-80.0	+80.0/-80.0
	W	+80.0/-80.0	+80.0/-80.0	+80.0/-80.0	+80.0/-80.0	+80.0/-80.0	+80.0/-80.0	+80.0/-80.0	+80.0/-80.0	+80.0/-80.0	+80.0/-80.0
48	C/M	+80.0/-80.0	+80.0/-80.0	+80.0/-80.0	+80.0/-80.0	+80.0/-80.0	+80.0/-80.0	+80.0/-80.0	+80.0/-80.0	+80.0/-80.0	+80.0/-80.0
	W	+80.0/-80.0	+80.0/-80.0	+80.0/-80.0	+80.0/-80.0	+80.0/-80.0	+80.0/-80.0	+80.0/-80.0	+80.0/-80.0	+80.0/-80.0	+80.0/-80.0
54	C/M	+80.0/-80.0	+80.0/-80.0	+80.0/-80.0	+80.0/-80.0	+80.0/-80.0	+80.0/-80.0	+80.0/-80.0	+80.0/-80.0	+80.0/-80.0	+80.0/-80.0
	W	+80.0/-80.0	+80.0/-80.0	+80.0/-80.0	+80.0/-80.0	+80.0/-80.0	+80.0/-80.0	+80.0/-80.0	+80.0/-80.0	+78.0/-78.0	+77.0/-77.0
60	C/M	+80.0/-80.0	+80.0/-80.0	+80.0/-80.0	+80.0/-80.0	+80.0/-80.0	+80.0/-80.0	+80.0/-80.0	+80.0/-80.0	+80.0/-80.0	+80.0/-80.0
	W	+80.0/-80.0	+80.0/-80.0	+80.0/-80.0	+80.0/-80.0	+79.0/-79.0	+75.0/-75.0	+72.0/-72.0	+69.0/-69.0	+67.0/-67.0	+66.0/-66.0
64	C/M	+80.0/-80.0	+80.0/-80.0	+80.0/-80.0	+80.0/-80.0	+80.0/-80.0	+80.0/-80.0	+80.0/-80.0	+80.0/-80.0	+80.0/-80.0	+80.0/-80.0
	W	+80.0/-80.0	+80.0/-80.0	+80.0/-80.0	+76.0/-76.0	+72.0/-72.0	+69.0/-69.0	+66.0/-66.0	+63.0/-63.0	+63.0/-63.0	+63.0/-63.0

ANCHOR QUANTITIES FOR CHART 7, SEE XOX 1/3-1/3-1/3 ELEVATION, SHEET 3, FOR LOCATIONS

FRAME HEIGHT  (in.)	FRAME WIDTH (in.)																																							
	60				66				72				78				84				90				96				102				108				112			
	J	FHS	MR	SHS	J	FHS	MR	SHS	J	FHS	MR	SHS	J	FHS	MR	SHS	J	FHS	MR	SHS	J	FHS	MR	SHS	J	FHS	MR	SHS	J	FHS	MR	SHS	J	FHS	MR	SHS				
24	2	0	4	1	2	0	4	1	2	0	4	1	2	1	4	2	2	1	4	2	2	1	4	2	2	1	4	2	2	1	4	2	2	1	4	2				
30	3	0	4	1	3	0	4	1	3	0	4	1	3	1	4	2	3	1	4	2	3	1	4	2	3	1	4	2	3	1	4	2	3	1	4	2				
36	3	0	4	1	3	0	4	1	3	0	4	1	3	1	4	2	3	1	4	2	3	1	4	2	3	1	4	2	3	1	4	2	3	1	4	2				
42	3	0	4	1	3	0	4	1	3	0	4	1	3	1	4	2	3	1	4	2	3	1	4	2	3	1	4	2	3	1	4	2	3	1	4	2				
48	4	0	4	1	4	0	4	1	4	0	4	1	4	1	4	2	4	1	4	2	4	1	4	2	4	1	4	2	4	1	4	2	4	1	4	2				
54	4	0	4	1	4	0	4	1	4	0	4	1	4	1	4	2	4	1	4	2	4	1	4	2	4	1	4	2	4	1	4	2	4	1	4	2				
60	4	0	4	1	4	0	4	1	4	0	4	1	4	1	4	2	4	1	4	2	4	1	4	2	4	1	4	2	4	1	4	2	4	1	4	2				
64	4	0	4	1	4	0	4	1	4	0	4	1	4	1	4	2	4	1	4	2	4	1	4	2	4	1	4	2	4	1	4	2	4	1	6	2				

ABBREVIATIONS KEY:

J = TOTAL QTY EACH JAMB

FHS = QTY AT FIXED HEAD AND SILL NOT INCLUDING MTG RAIL

MR = TOTAL QTY AT EACH END OF MEETING RAIL

SHS = QTY AT SASH HEAD AND SILL NOT INCLUDING MTG RAIL

CHART 7 ANCHORAGE QUANTITY NOTES:

- CHART APPLIES TO FLANGE OR EQUAL LEG WINDOWS. SUBSTRATE 'C/M' INDICATES INSTALLATION TO CONCRETE/MASONRY OR METAL. SUBSTRATE 'W' INDICATES INSTALLATION TO WOOD FRAMING.
- DO NOT EXCEED MAX. ANCHOR SPACING SHOWN IN THE XOX ELEVATION ON SHEET 3.
- ANCHOR QUANTITIES IN SHS LOCATIONS INCLUDE CORNER ANCHORS; EVENLY SPACE ANY ADDITIONAL ANCHORS REQUIRED BEYOND CORNER ANCHOR(S) BETWEEN CORNER AND MEETING RAIL ANCHORS.
- REDUCE CORNER OR ON-CENTER SPACING AS REQUIRED TO ENSURE 3" MIN. SPACING IS MAINTAINED BETWEEN ANY TWO FASTENERS

**PRODUCT REVISED**  
as complying with the Florida  
Building Code  
NOA-No. **20-0826.16**  
Expiration Date: **03/09/22**  
By: *Manuel Perez*  
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		
	THERMALLY BROKEN ALUM. HORIZ. ROLLER (LM)		
	Date		08/12/20
	By ERIN KOSS		
Series Desc. Title	DP & ANCHORAGE CHARTS - XOX3 FLANGE & EQUAL LEG - PVB		DWG No.
	HR9470T		9470-LMI-NOA
	Sheet		Rev.
	13 OF 21		

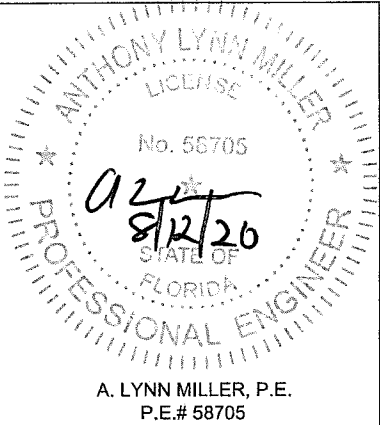


CHART 8. XOX 1/3-1/3-1/3 (FLANGE OR EQ. LEG) WITH SGP (GLASS TYPE D IN FIXED AND SASH) DESIGN PRESSURES (PSF)

FRAME HEIGHT (in.)	SUB-STRATE	FRAME WIDTH (in.)									
		60	66	72	78	84	90	96	102	108	112
24	C/M	+100.0/-160.0	+100.0/-160.0	+100.0/-160.0	+100.0/-160.0	+100.0/-160.0	+100.0/-160.0	+100.0/-160.0	+100.0/-160.0	+100.0/-160.0	+100.0/-154.7
	W	+100.0/-160.0	+100.0/-140.0	+100.0/-140.0	+100.0/-140.0	+100.0/-140.0	+100.0/-140.0	+100.0/-140.0	+100.0/-140.0	+100.0/-140.0	+100.0/-140.0
30	C/M	+100.0/-160.0	+100.0/-160.0	+100.0/-160.0	+100.0/-160.0	+100.0/-160.0	+100.0/-160.0	+100.0/-160.0	+100.0/-160.0	+100.0/-149.3	+100.0/-140.4
	W	+100.0/-160.0	+100.0/-140.0	+100.0/-140.0	+100.0/-140.0	+100.0/-140.0	+100.0/-140.0	+100.0/-133.0	+100.0/-133.0	+100.0/-133.0	+100.0/-133.0
36	C/M	+100.0/-160.0	+100.0/-160.0	+100.0/-160.0	+100.0/-160.0	+100.0/-160.0	+100.0/-160.0	+100.0/-160.0	+100.0/-160.0	+100.0/-145.2	+100.0/-135.2
	W	+100.0/-160.0	+100.0/-140.0	+100.0/-140.0	+100.0/-140.0	+100.0/-140.0	+100.0/-140.0	+100.0/-132.0	+100.0/-132.0	+100.0/-132.0	+100.0/-132.0
42	C/M	+100.0/-160.0	+100.0/-160.0	+100.0/-160.0	+100.0/-160.0	+100.0/-160.0	+100.0/-160.0	+100.0/-160.0	+100.0/-160.0	+100.0/-145.2	+100.0/-135.0
	W	+100.0/-159.0	+100.0/-140.0	+100.0/-140.0	+100.0/-135.0	+100.0/-130.0	+100.0/-125.0	+100.0/-125.0	+100.0/-125.0	+100.0/-125.0	+100.0/-125.0
48	C/M	+100.0/-160.0	+100.0/-160.0	+100.0/-160.0	+100.0/-160.0	+100.0/-160.0	+100.0/-160.0	+100.0/-160.0	+100.0/-160.0	+100.0/-145.2	+100.0/-135.0
	W	+100.0/-159.0	+100.0/-140.0	+100.0/-140.0	+100.0/-135.0	+100.0/-130.0	+100.0/-125.0	+100.0/-125.0	+100.0/-125.0	+100.0/-125.0	+100.0/-125.0
54	C/M	+100.0/-160.0	+100.0/-160.0	+100.0/-160.0	+100.0/-160.0	+100.0/-160.0	+100.0/-160.0	+100.0/-160.0	+100.0/-160.0	+100.0/-145.2	+100.0/-135.0
	W	+100.0/-159.0	+100.0/-140.0	+100.0/-140.0	+100.0/-135.0	+100.0/-130.0	+100.0/-125.0	+100.0/-125.0	+100.0/-125.0	+100.0/-125.0	+100.0/-125.0
60	C/M	+100.0/-160.0	+100.0/-160.0	+100.0/-160.0	+100.0/-160.0	+100.0/-160.0	+100.0/-160.0	+100.0/-157.5	+100.0/-150.5	+100.0/-144.5	+100.0/-135.0
	W	+100.0/-159.0	+100.0/-140.0	+100.0/-140.0	+100.0/-135.0	+100.0/-130.0	+100.0/-125.0	+100.0/-125.0	+100.0/-125.0	+100.0/-125.0	+100.0/-125.0
64	C/M	+100.0/-160.0	+100.0/-160.0	+100.0/-160.0	+100.0/-160.0	+100.0/-160.0	+100.0/-155.4	+100.0/-148.8	+100.0/-143.0	+100.0/-136.5	+100.0/-132.5
	W	+100.0/-157.0	+100.0/-140.0	+100.0/-136.0	+100.0/-128.0	+100.0/-128.0	+100.0/-125.0	+100.0/-125.0	+100.0/-125.0	+100.0/-123.0	+100.0/-120.0

ANCHOR QUANTITIES FOR CHART 8, SEE XOX 1/3-1/3-1/3 ELEVATION, SHEET 3, FOR LOCATIONS

FRAME HEIGHT  (in.)	FRAME WIDTH (in.)																																							
	60				66				72				78				84				90				96				102				108				112			
	J	FHS	MR	SHS	J	FHS	MR	SHS	J	FHS	MR	SHS	J	FHS	MR	SHS	J	FHS	MR	SHS	J	FHS	MR	SHS	J	FHS	MR	SHS	J	FHS	MR	SHS	J	FHS	MR	SHS				
24	3	0	4	1	3	0	4	1	3	1	4	2	3	1	4	2	3	1	4	2	3	1	4	2	3	1	4	2	3	2	4	3	3	2	4	3				
30	3	0	4	1	3	0	4	1	3	1	4	2	3	1	4	2	3	1	4	2	3	1	4	2	3	1	4	2	3	2	4	3	3	2	4	3				
36	4	0	4	1	4	0	4	1	4	1	4	2	4	1	4	2	4	1	4	2	4	1	4	2	4	1	4	2	4	2	4	3	4	2	4	3				
42	4	0	4	1	4	0	4	1	4	1	4	2	4	1	4	2	4	1	4	2	4	1	4	2	4	1	6	2	4	2	6	3	4	2	6	3				
48	5	0	6	1	5	0	6	1	5	1	6	2	5	1	6	2	5	1	6	2	5	1	6	2	5	1	6	2	5	2	6	3	5	2	6	3				
54	5	0	6	1	5	0	6	1	5	1	6	2	5	1	6	2	5	1	6	2	5	1	6	2	5	1	6	2	5	2	6	3	5	2	6	3				
60	6	0	6	1	6	0	6	1	6	1	6	2	6	1	6	2	6	1	6	2	6	1	6	2	6	1	8	2	6	2	8	3	6	2	8	3				
64	6	0	6	1	6	0	6	1	6	1	6	2	6	1	6	2	6	1	8	2	6	1	8	2	6	1	8	2	6	2	8	3	6	2	8	3				

ABBREVIATIONS KEY:

J = TOTAL QTY EACH JAMB

FHS = QTY AT FIXED HEAD AND SILL NOT INCLUDING MTG RAIL

MR = TOTAL QTY AT EACH END OF MEETING RAIL

SHS = QTY AT SASH HEAD AND SILL NOT INCLUDING MTG RAIL

CHART 8 ANCHORAGE QUANTITY NOTES:

- CHART APPLIES TO FLANGE OR EQUAL LEG WINDOWS. SUBSTRATE 'C/M' INDICATES INSTALLATION TO CONCRETE/MASONRY OR METAL. SUBSTRATE 'W' INDICATES INSTALLATION TO WOOD FRAMING.
- DO NOT EXCEED MAX. ANCHOR SPACING SHOWN IN THE XOX ELEVATION ON SHEET 3.
- ANCHOR QUANTITIES IN SHS LOCATIONS INCLUDE CORNER ANCHORS; EVENLY SPACE ANY ADDITIONAL ANCHORS REQUIRED BEYOND CORNER ANCHOR(S) BETWEEN CORNER AND MEETING RAIL ANCHORS.
- REDUCE CORNER OR ON-CENTER SPACING AS REQUIRED TO ENSURE 3" MIN. SPACING IS MAINTAINED BETWEEN ANY TWO FASTENERS

**PRODUCT REVISED**  
as complying with the Florida  
Building Code  
NOA-No. **20-0826.16**  
Expiration Date: **03/09/22**  
By: *Manuel Perez*  
Miami-Dade Product Control

Revision: NO CHANGES THIS SHEET.

WINDOOR <sup>®</sup> 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	
Title		THERMALLY BROKEN ALUM. HORIZ. ROLLER (LM)		Date	
Series Desc.		DP & ANCHORAGE CHARTS - XOX3 FLANGE & EQUAL LEG - SG		By ERIN KOSS	
Sheet		14 OF 21		DWG No.	
HR9470T		9470-LMI-NOA		Rev.	





CHART 9. XOX 1/3-1/3-1/3 (FIN) WITH PVB (GLASS TYPE A IN FIXED AND SASH) DESIGN PRESSURES (PSF)

FRAME HEIGHT (in.)	SUB-STRATE	FRAME WIDTH (in.)									
		60	66	72	78	84	90	96	102	108	112
24	WOOD	+70.0/-70.0	+70.0/-70.0	+70.0/-70.0	+70.0/-70.0	+70.0/-70.0	+70.0/-70.0	+70.0/-70.0	+70.0/-70.0	+70.0/-70.0	+70.0/-70.0
30	WOOD	+70.0/-70.0	+70.0/-70.0	+70.0/-70.0	+70.0/-70.0	+70.0/-70.0	+70.0/-70.0	+70.0/-70.0	+70.0/-70.0	+70.0/-70.0	+70.0/-70.0
36	WOOD	+70.0/-70.0	+70.0/-70.0	+70.0/-70.0	+70.0/-70.0	+70.0/-70.0	+70.0/-70.0	+70.0/-70.0	+70.0/-70.0	+70.0/-70.0	+70.0/-70.0
42	WOOD	+70.0/-70.0	+70.0/-70.0	+70.0/-70.0	+70.0/-70.0	+70.0/-70.0	+70.0/-70.0	+70.0/-70.0	+70.0/-70.0	+70.0/-70.0	+70.0/-70.0
48	WOOD	+70.0/-70.0	+70.0/-70.0	+70.0/-70.0	+70.0/-70.0	+70.0/-70.0	+70.0/-70.0	+70.0/-70.0	+70.0/-70.0	+70.0/-70.0	+70.0/-70.0
54	WOOD	+70.0/-70.0	+70.0/-70.0	+70.0/-70.0	+70.0/-70.0	+70.0/-70.0	+70.0/-70.0	+70.0/-70.0	+70.0/-70.0	+70.0/-70.0	+70.0/-70.0
60	WOOD	+70.0/-70.0	+70.0/-70.0	+70.0/-70.0	+70.0/-70.0	+70.0/-70.0	+70.0/-70.0	+70.0/-70.0	+70.0/-70.0	+70.0/-70.0	+70.0/-70.0
64	WOOD	+70.0/-70.0	+70.0/-70.0	+70.0/-70.0	+70.0/-70.0	+70.0/-70.0	+70.0/-70.0	+70.0/-70.0	+70.0/-70.0	+70.0/-70.0	+70.0/-70.0

ANCHOR QUANTITIES FOR CHART 9, SEE XOX 1/3-1/3-1/3 ELEVATION, SHEET 4, FOR LOCATIONS

FRAME HEIGHT  (in.)	FRAME WIDTH (in.)																																							
	60				66				72				78				84				90				96				102				108				112			
	J	FHS	MR	SHS	J	FHS	MR	SHS	J	FHS	MR	SHS	J	FHS	MR	SHS	J	FHS	MR	SHS	J	FHS	MR	SHS	J	FHS	MR	SHS	J	FHS	MR	SHS	J	FHS	MR	SHS				
24	2	0	4	1	2	0	4	1	2	0	4	1	2	1	4	2	2	1	4	2	2	1	4	2	2	1	4	2	2	1	4	2	2	1	4	2				
30	3	0	4	1	3	0	4	1	3	0	4	1	3	1	4	2	3	1	4	2	3	1	4	2	3	1	4	2	3	1	4	2	3	1	4	2				
36	3	0	4	1	3	0	4	1	3	0	4	1	3	1	4	2	3	1	4	2	3	1	4	2	3	1	4	2	3	1	4	2	3	1	4	2				
42	3	0	4	1	3	0	4	1	3	0	4	1	3	1	4	2	3	1	4	2	3	1	4	2	3	1	4	2	3	1	4	2	3	1	4	2				
48	4	0	4	1	4	0	4	1	4	0	4	1	4	1	4	2	4	1	4	2	4	1	4	2	4	1	4	2	4	1	4	2	4	1	4	2				
54	4	0	4	1	4	0	4	1	4	0	4	1	4	1	4	2	4	1	4	2	4	1	4	2	4	1	4	2	4	1	4	2	4	1	4	2				
60	4	0	4	1	4	0	4	1	4	0	4	1	4	1	4	2	4	1	4	2	4	1	4	2	4	1	4	2	4	1	4	2	4	1	4	2				
64	4	0	4	1	4	0	4	1	4	0	4	1	4	1	4	2	4	1	4	2	4	1	4	2	4	1	4	2	4	1	4	2	4	1	4	2				

ABBREVIATIONS KEY:

J = TOTAL QTY EACH JAMB

FHS = QTY AT FIXED HEAD AND SILL NOT INCLUDING MTG RAIL

MR = TOTAL QTY AT EACH END OF MEETING RAIL

SHS = QTY AT SASH HEAD AND SILL NOT INCLUDING MTG RAIL

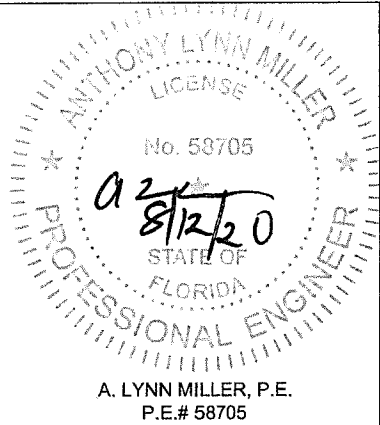
CHART 9 ANCHORAGE QUANTITY NOTES:

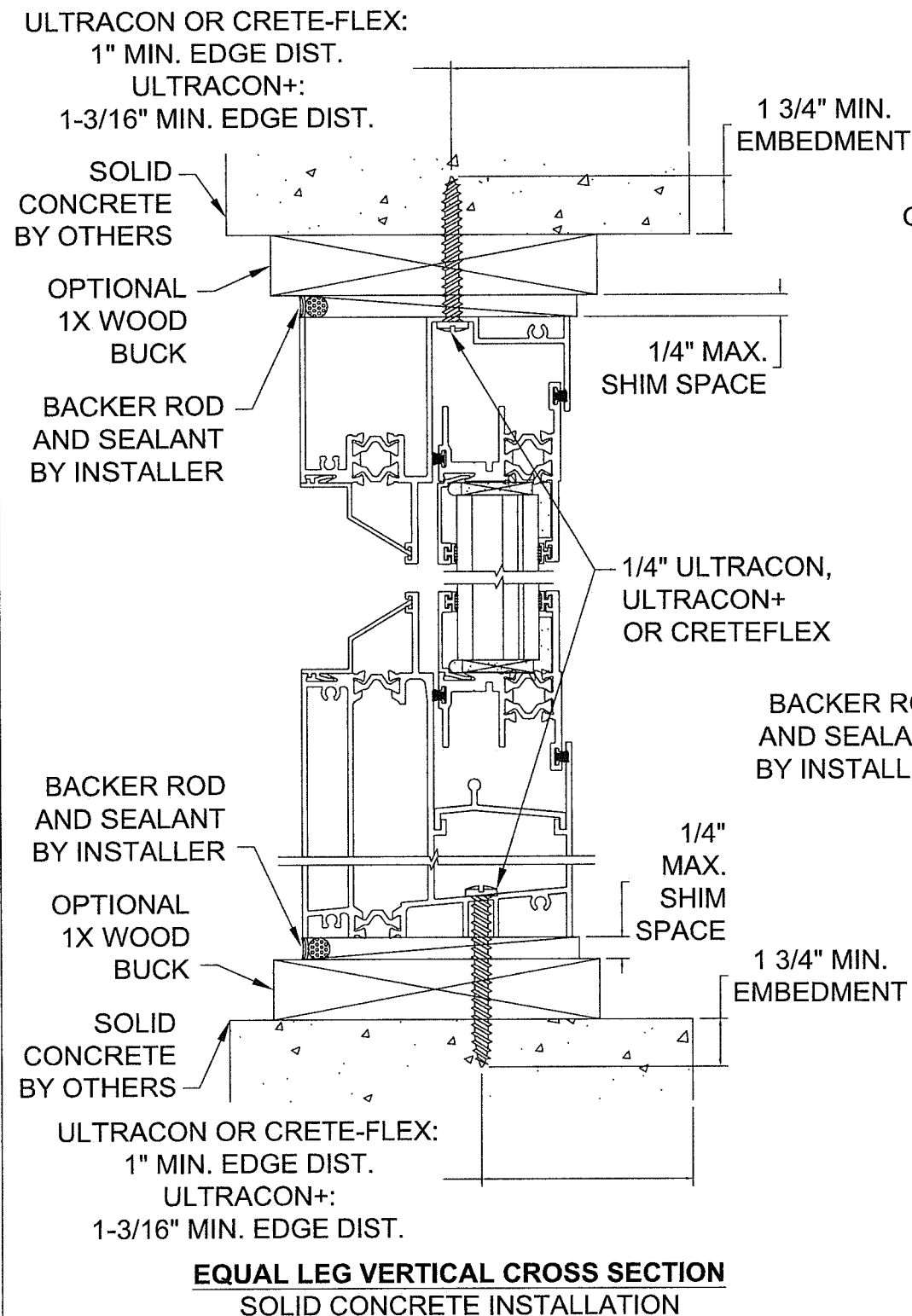
1. CHART APPLIES TO FIN WINDOWS INSTALLED TO 2X WOOD THROUGH THE FIN.
2. DO NOT EXCEED MAX. ANCHOR SPACING SHOWN IN THE ELEVATION ON SHEET 4.
3. ANCHOR QUANTITIES IN SHS LOCATIONS INCLUDE CORNER ANCHORS; EVENLY SPACE ANY ADDITIONAL ANCHORS REQUIRED BEYOND CORNER ANCHOR(S) BETWEEN CORNER AND MEETING RAIL ANCHORS.
4. REDUCE CORNER OR ON-CENTER SPACING AS REQUIRED TO ENSURE 3" MIN. SPACING IS MAINTAINED BETWEEN ANY TWO FASTENERS

**PRODUCT REVISED**  
as complying with the Florida  
Building Code  
NOA-No. **20-0826.16**  
Expiration Date: **03/09/22**  
By: *Manuel Perez*  
Miami-Dade Product Control

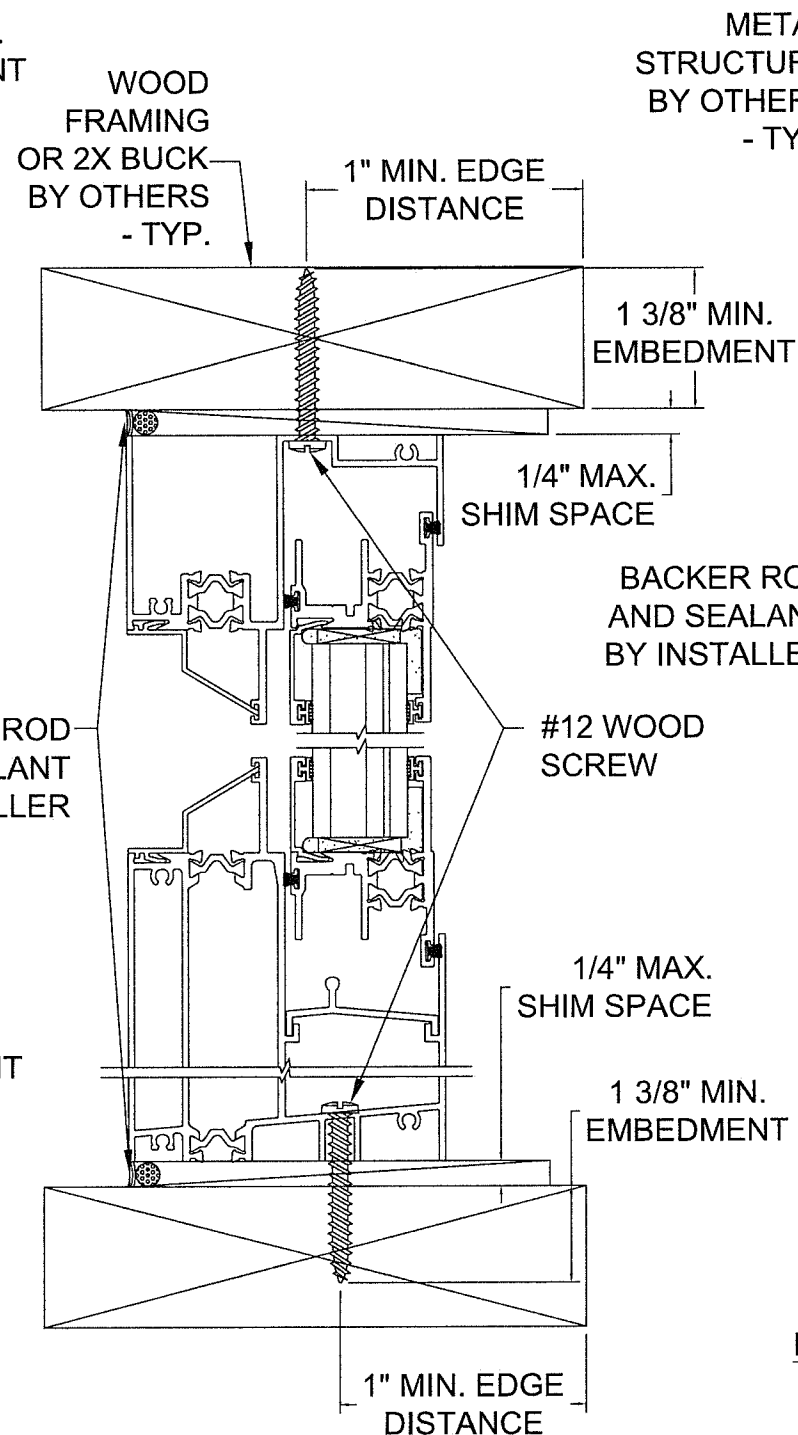
Revision: NO CHANGES THIS SHEET.

WINDOOR® INCORPORATED	PREPARED BY A. LYNN MILLER 1070 TECHNOLOGY DRIVE N. VENICE, FL 34275 (941) 480-1600 REGISTRATION #29296		THERMALLY BROKEN ALUM. HORIZ. ROLLER (LM)		Date	08/12/20
	WINDOOR INCORPORATED 104 TRIPLE DIAMOND BLVD. NORTH VENICE, FL 34275 (833) 554-5432	DP & ANCHORAGE CHARTS - XOX3 FIN - PVB ONLY	By ERIN KOSS	DWG 9470-LMI-NOA	Rev.	
Series Desc.	HR9470T	15 OF 21	Sheet			

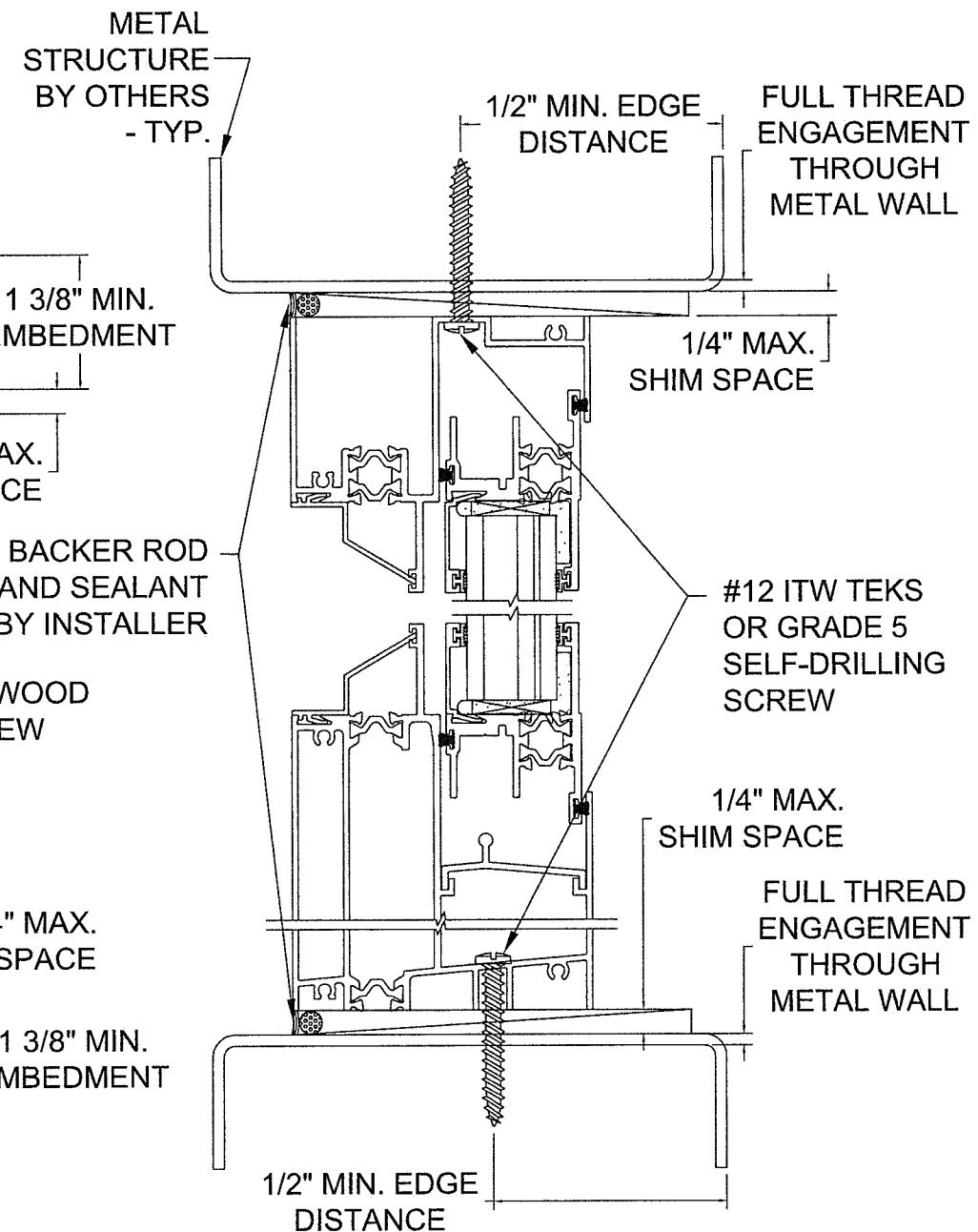




**EQUAL LEG VERTICAL CROSS SECTION**  
WOOD FRAMING OR  
2X BUCK INSTALLATION



**EQUAL LEG VERTICAL CROSS SECTION**  
METAL STRUCTURE INSTALLATION



**GENERAL ANCHOR NOTES (X AND O ANCHORAGE IS THE SAME, X SHOWN IN DETAILS):**

1. INSTALL ONE ANCHOR AS INDICATED IN DETAILS ON THIS SHEET AT EACH LOCATION SHOWN IN THE ELEVATIONS ON SHEETS 1 THROUGH 3.
2. INSTALL SHIMS AT EACH ANCHOR LOCATION WHERE A GAP OF 1/16" OR GREATER EXISTS BETWEEN PRODUCT FRAME AND SUBSTRATE.
3. SHIMS SHALL BE LOAD-BEARING (PLASTIC OR METALLIC) AND CAPABLE OF TRANSFERRING LOADS TO SUBSTRATE.
4. SPECIFIED ANCHOR EMBEDMENT TO SUBSTRATE SHALL BE BEYOND WALL FINISH OR STUCCO, BY OTHERS.

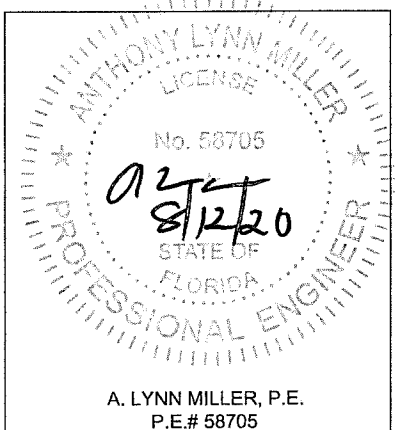
EXTERIOR



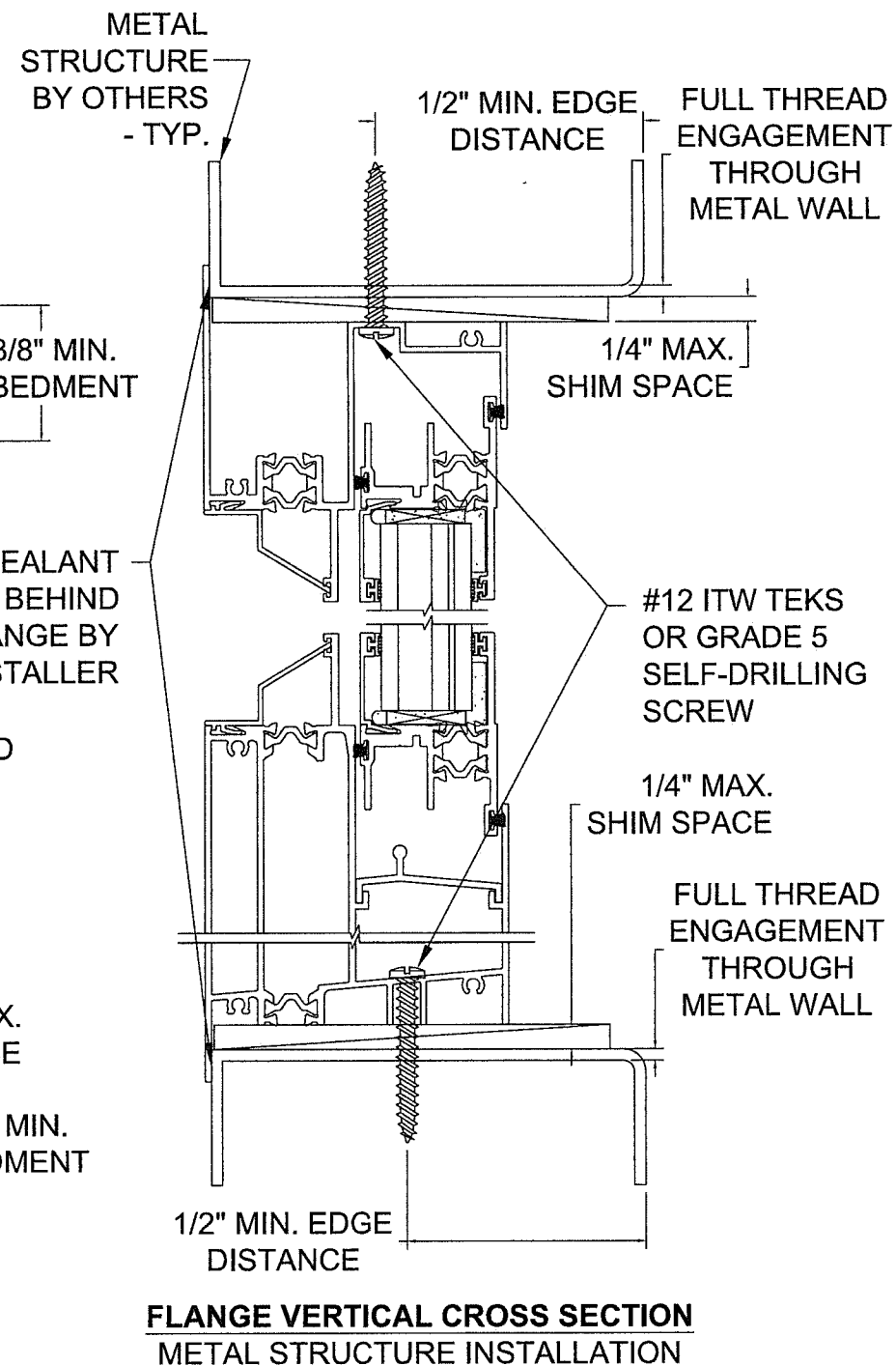
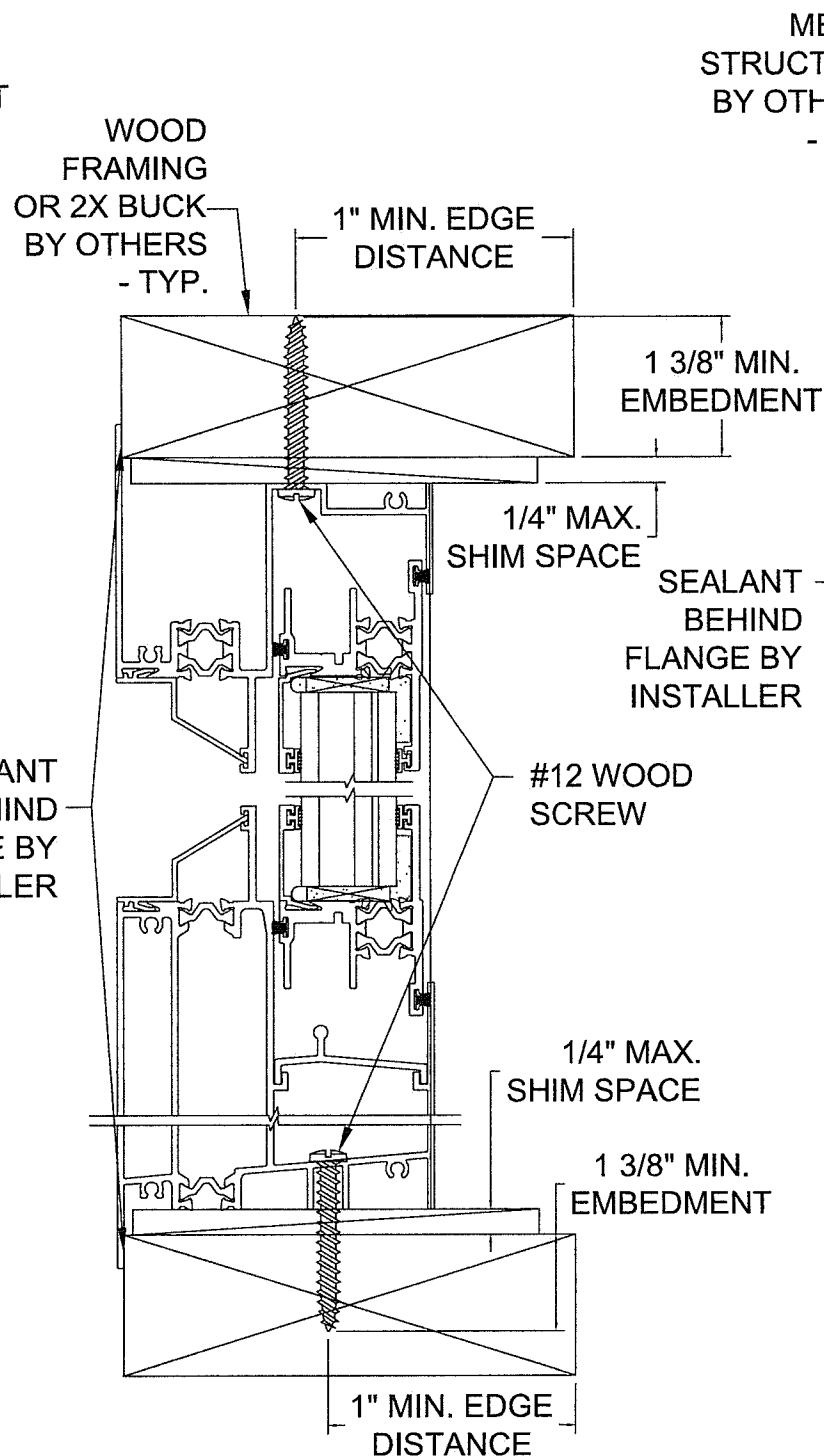
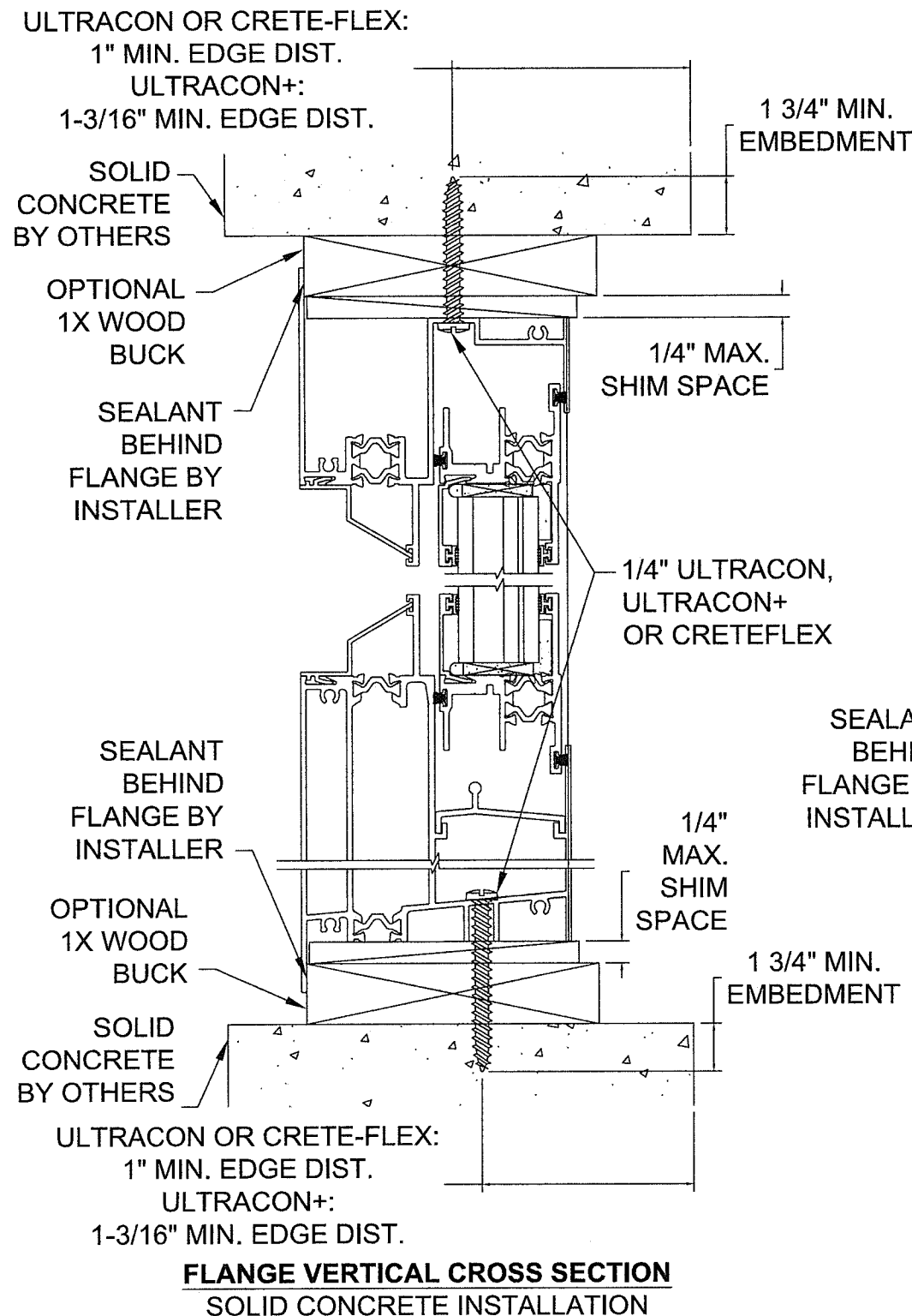
**PRODUCT REVISED**  
as complying with the Florida  
Building Code  
NOA-No. **20-0826.16**  
Expiration Date: **03/09/22**  
By: *Manuel Perez*  
Miami-Dade Product Control

Revision:   
ADDED 1/4" DEWALT ULTRACON+.

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			
THERMALLY BROKEN ALUM. HORIZ. ROLLER (LM)		Date	08/12/20
INSTALLATION DETAILS - EQUAL LEG		Drawn By	ERIN KOSS
Series	HR9470T	DWG No.	9470-LMI-NOA
Sheet	16 OF 21	Rev.	







**GENERAL ANCHOR NOTES (X AND O ANCHORAGE IS THE SAME, X SHOWN IN DETAILS):**

1. INSTALL ONE ANCHOR AS INDICATED IN DETAILS ON THIS SHEET AT EACH LOCATION SHOWN IN THE ELEVATIONS ON SHEETS 1 THROUGH 3.
2. INSTALL SHIMS AT EACH ANCHOR LOCATION WHERE A GAP OF 1/16" OR GREATER EXISTS BETWEEN PRODUCT FRAME AND SUBSTRATE.
3. SHIMS SHALL BE LOAD-BEARING (PLASTIC OR METALLIC) AND CAPABLE OF TRANSFERRING LOADS TO SUBSTRATE.
4. SPECIFIED ANCHOR EMBEDMENT TO SUBSTRATE SHALL BE BEYOND WALL FINISH OR STUCCO, BY OTHERS.

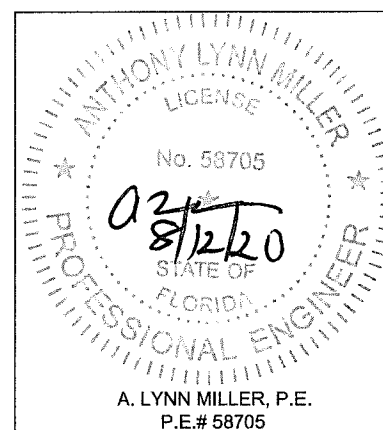
EXTERIOR

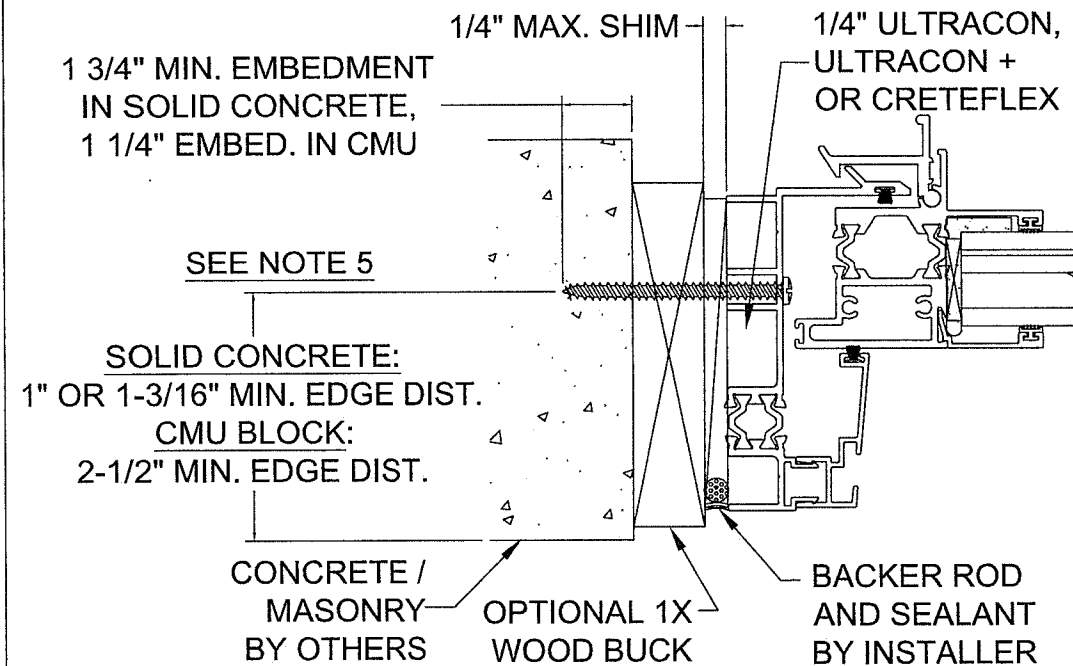


**PRODUCT REVISED**  
as complying with the Florida  
Building Code  
NOA-No. **20-0826.16**  
Expiration Date: **03/09/22**  
By: *Manuel Perez*  
Miami-Dade Product Control

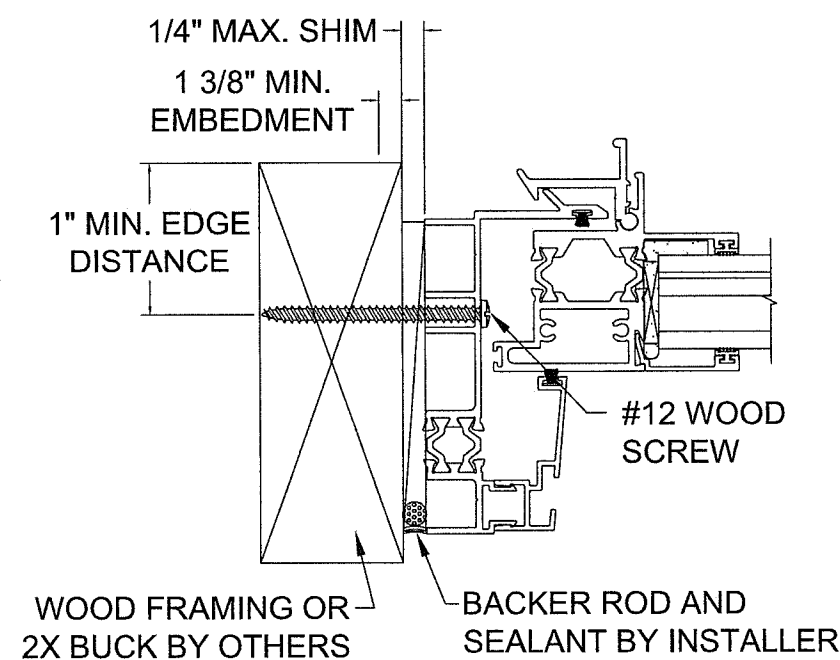
Revision: ADDED 1/4" DEWALT ULTRACON+.

<b>WINDOOR®</b> 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 08/12/20	Rev. 
	THERMALLY BROKEN ALUM. HORIZ. ROLLER (LM)	Drawn By ERIN KOSS	No. 9470-LMI-NOA	Sheet 17 OF 21
INSTALLATION DETAILS - FLANGE		HR9470T		

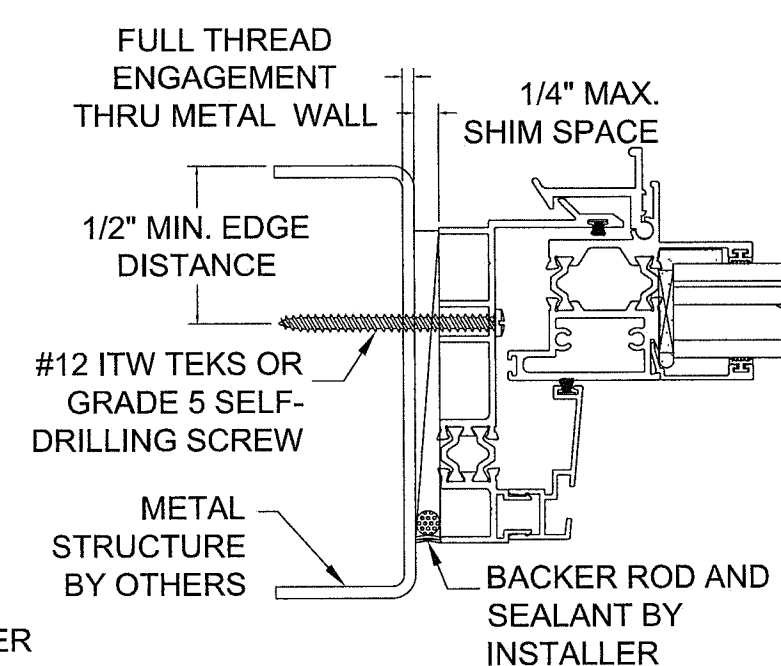




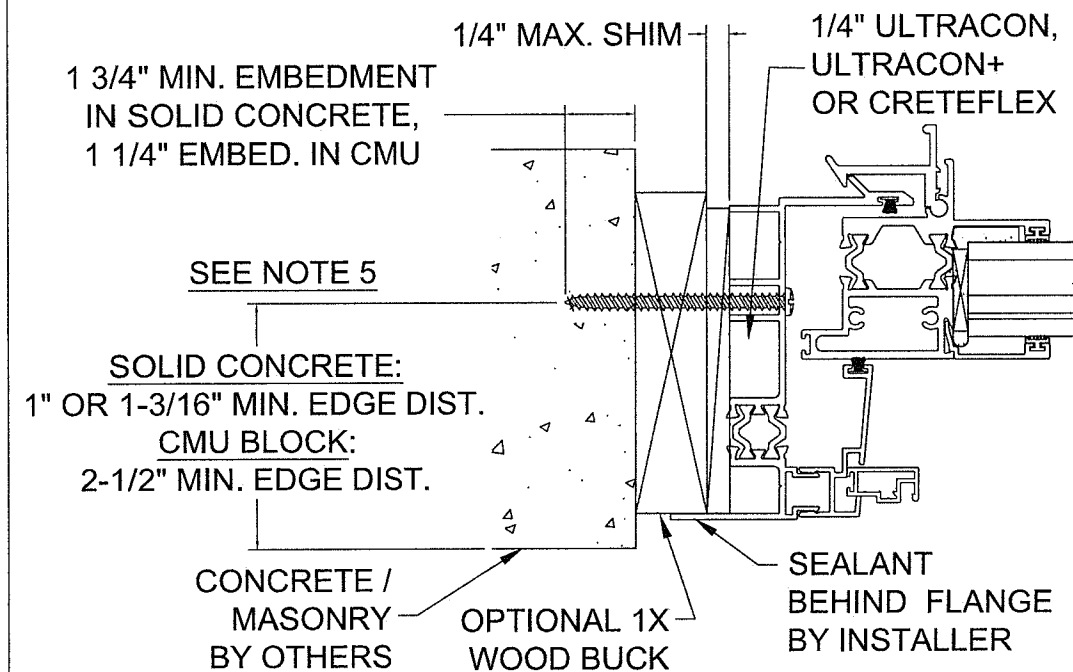
**EQUAL LEG HORIZONTAL CROSS SECTION**  
CONCRETE/MASONRY INSTALLATION



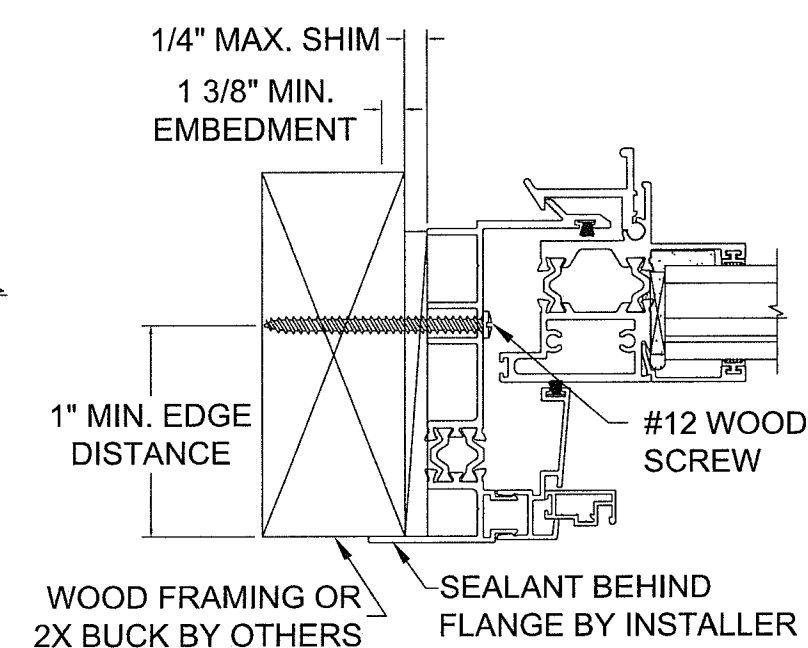
**EQUAL LEG HORIZONTAL CROSS SECTION**  
WOOD FRAMING OR 2X BUCK INSTALLATION



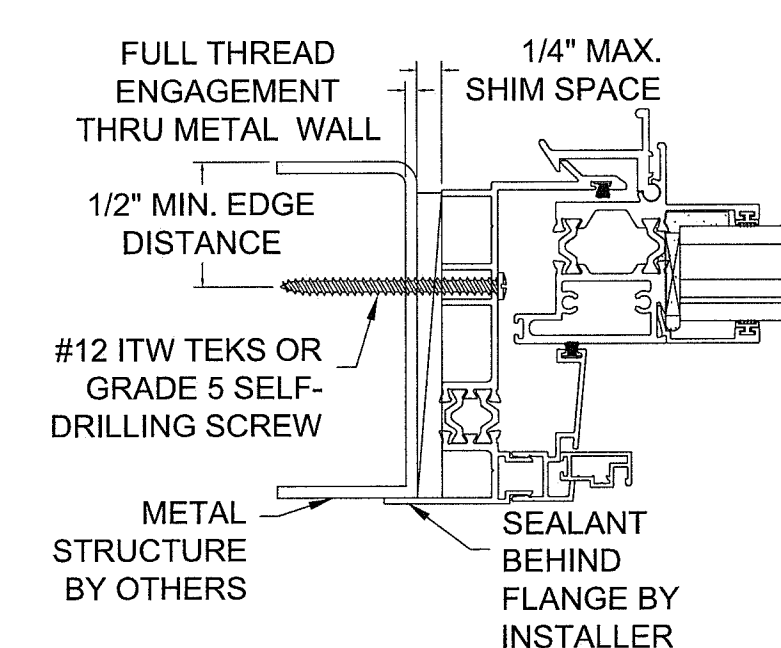
**EQUAL LEG HORIZONTAL CROSS SECTION**  
METAL STRUCTURE INSTALLATION



**FLANGE HORIZONTAL CROSS SECTION**  
CONCRETE/MASONRY INSTALLATION



**FLANGE HORIZONTAL CROSS SECTION**  
WOOD FRAMING OR 2X BUCK INSTALLATION



**FLANGE HORIZONTAL CROSS SECTION**  
METAL STRUCTURE INSTALLATION

**GENERAL ANCHOR NOTES (X AND O ANCHORAGE IS THE SAME, X SHOWN IN DETAILS):**

1. INSTALL ONE ANCHOR AS INDICATED IN DETAILS ON THIS SHEET AT EACH LOCATION SHOWN IN THE ELEVATIONS ON SHEETS 1 THROUGH 3.
2. INSTALL SHIMS AT EACH ANCHOR LOCATION WHERE A GAP OF 1/16" OR GREATER EXISTS BETWEEN PRODUCT FRAME AND SUBSTRATE.
3. SHIMS SHALL BE LOAD-BEARING (PLASTIC OR METALLIC) AND CAPABLE OF TRANSFERRING LOADS TO SUBSTRATE.
4. SPECIFIED ANCHOR EMBEDMENT TO SUBSTRATE SHALL BE BEYOND WALL FINISH OR STUCCO, BY OTHERS.
5. 1" MIN. EDGE DIST. FOR ULTRACON OR CRETE-FLEX INTO CONCRETE, 1-3/16" MIN. EDGE DIST. FOR ULTRACON+ INTO CONCRETE.

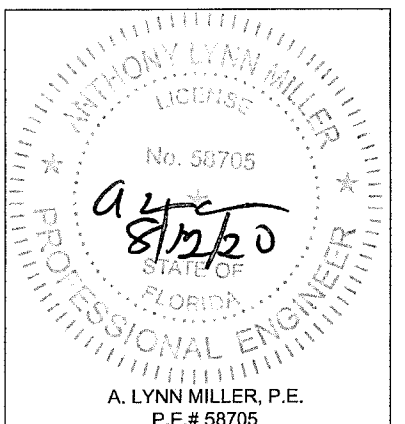
EXTERIOR



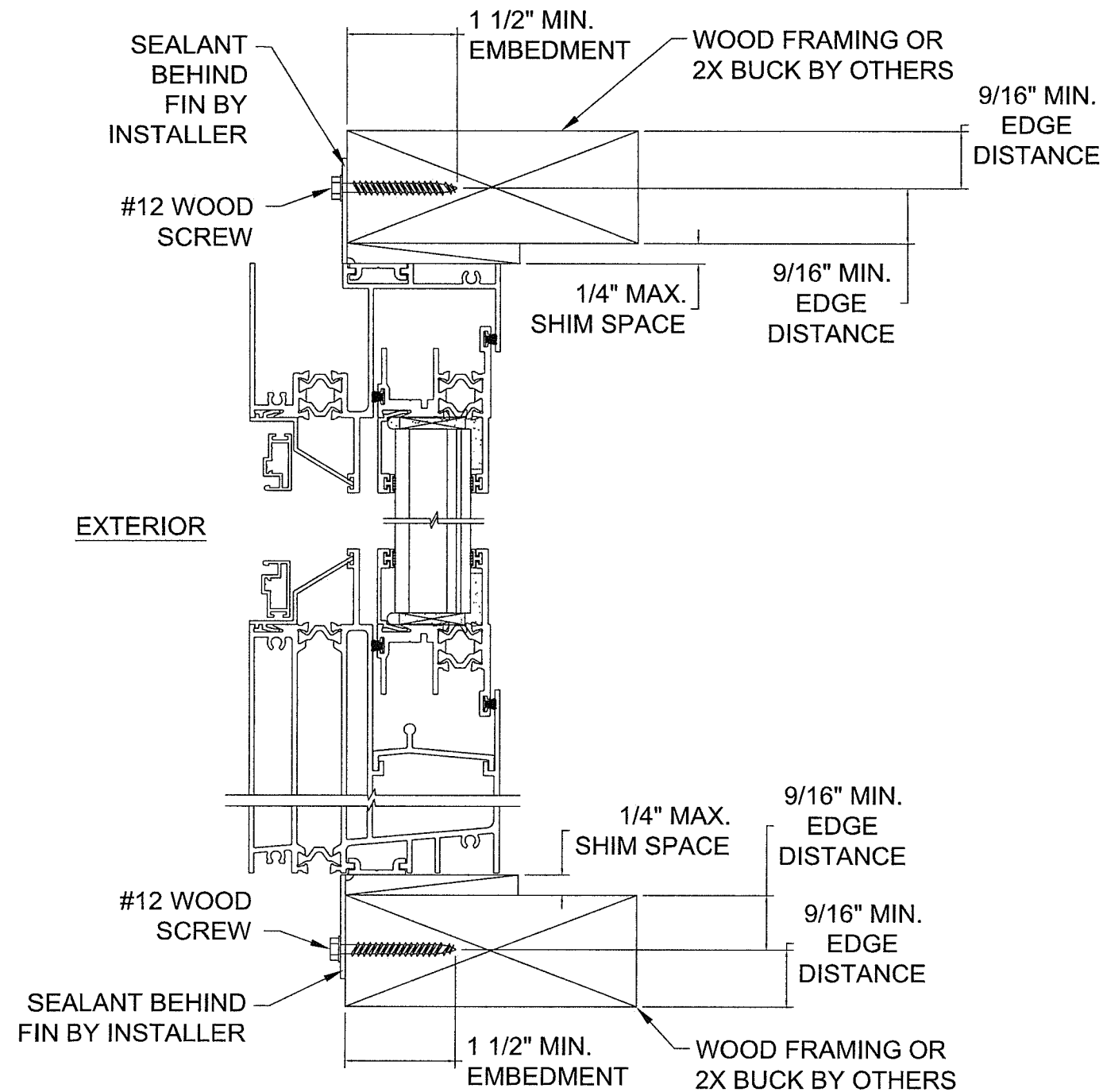
**PRODUCT REVISED**  
as complying with the Florida  
Building Code  
NOA-No. **20-0826.16**  
Expiration Date: **03/09/22**  
By: *Manuel Perez*  
Miami-Dade Product Control

Revision: ADDED 1/4" DEWALT ULTRACON+.

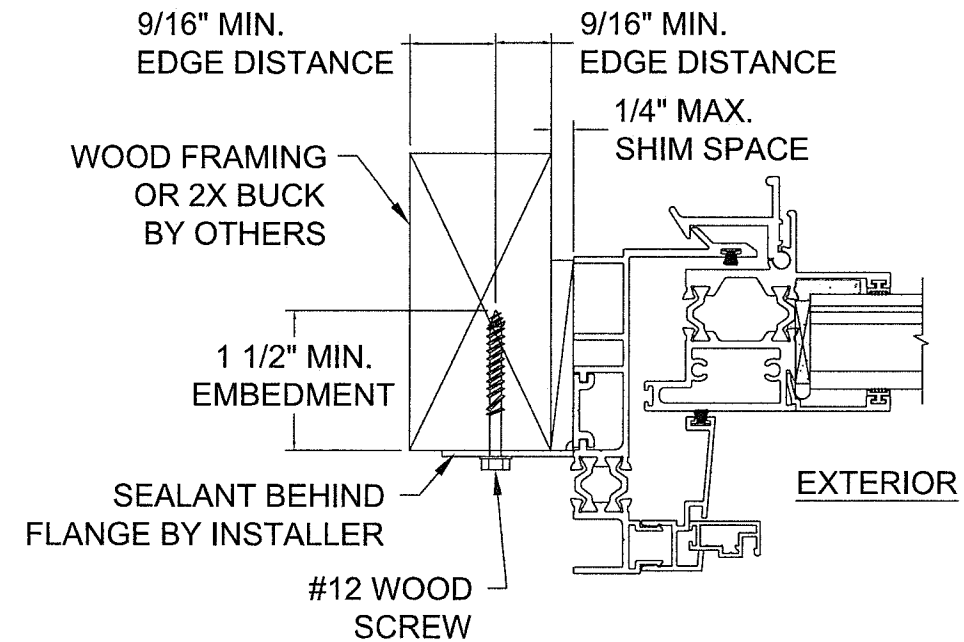
WINDOOR <sup>®</sup> INCORPORATED		PREPARED BY A. LYNN MILLER 1070 TECHNOLOGY DRIVE N. VENICE, FL 34275 (941) 480-1600 REGISTRATION #29296	
WINDOOR INCORPORATED 104 TRIPLE DIAMOND BLVD. NORTH VENICE, FL 34275 (833) 554-5432			
THERMALLY BROKEN ALUM. HORIZ. ROLLER (LM)		Date	08/12/20
INSTALLATION DETAILS - JAMBS		Drawn By	ERIN KOSS
HR9470T	18 OF 21	DWG No.	9470-LMI-NOA
Series	Sheet		Rev.







**FIN VERTICAL CROSS SECTION**  
WOOD FRAMING OR  
2X BUCK INSTALLATION



**FIN HORIZONTAL CROSS SECTION**  
WOOD FRAMING OR  
2X BUCK INSTALLATION

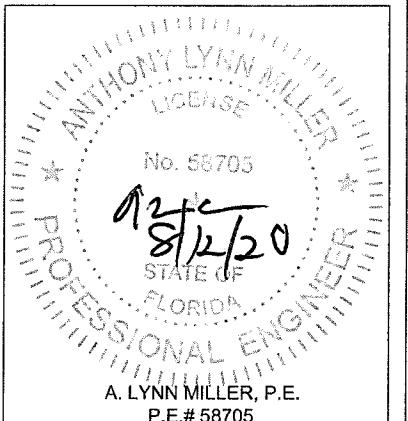
**GENERAL ANCHOR NOTES (X AND O ANCHORAGE IS THE SAME, X SHOWN IN DETAILS):**

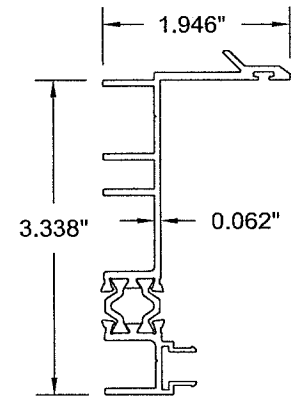
1. INSTALL ONE ANCHOR AS INDICATED IN DETAILS ON THIS SHEET AT EACH LOCATION SHOWN IN THE ELEVATION ON SHEETS 2 THROUGH 4.
2. INSTALL SHIMS AT EACH ANCHOR LOCATION WHERE A GAP OF 1/16" OR GREATER EXISTS BETWEEN PRODUCT FRAME AND SUBSTRATE.
3. SHIMS SHALL BE LOAD-BEARING (PLASTIC OR METALLIC) AND CAPABLE OF TRANSFERRING LOADS TO SUBSTRATE.
4. SPECIFIED ANCHOR EMBEDMENT TO SUBSTRATE SHALL BE BEYOND WALL FINISH OR STUCCO, BY OTHERS.

**PRODUCT REVISED**  
as complying with the Florida  
Building Code  
NOA-No. **20-0826.16**  
Expiration Date: **03/09/22**  
By: *Manuel Perez*  
Miami-Dade Product Control

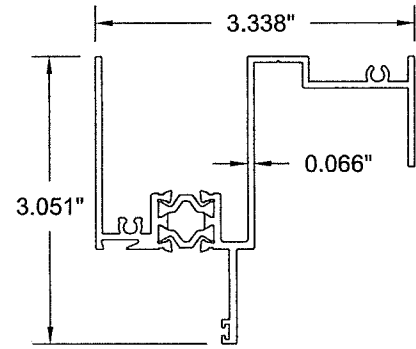
Revision: NO CHANGES THIS SHEET.

PREPARED BY A. LYNN MILLER 1070 TECHNOLOGY DRIVE N. VENICE, FL 34275 (941) 480-1600 REGISTRATION #29296	Date	08/12/20	Rev.	9470-LMI-NOA
WINDOOR <sup>®</sup> INCORPORATED WINDOOR INCORPORATED 104 TRIPLE DIAMOND BLVD. NORTH VENICE, FL 34275 (833) 554-5432	By	ERIN KOSS	DWC	19 OF 21
THERMALLY BROKEN ALUM. HORIZ. ROLLER (LM)	Title	INSTALLATION DETAILS - FIN	Sheet	HR9470T

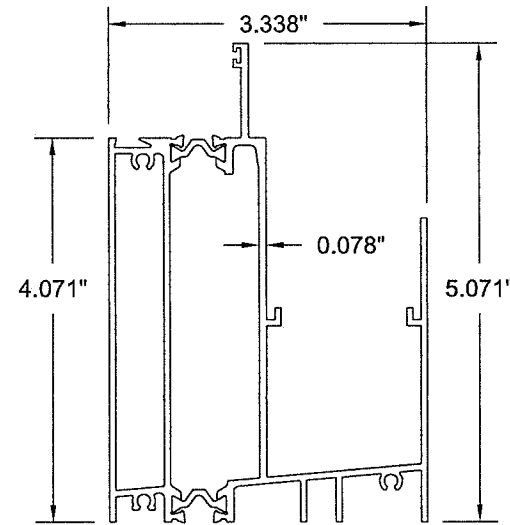




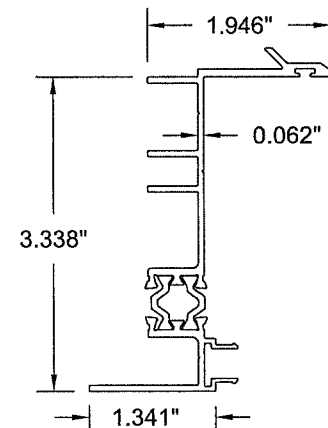
① FRAME JAMB  
X EQUAL LEG



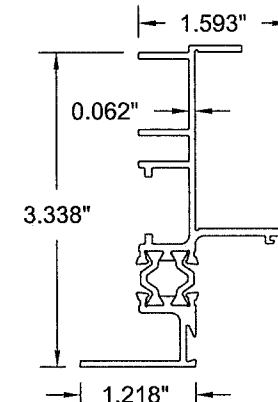
② FRAME HEAD EQUAL LEG



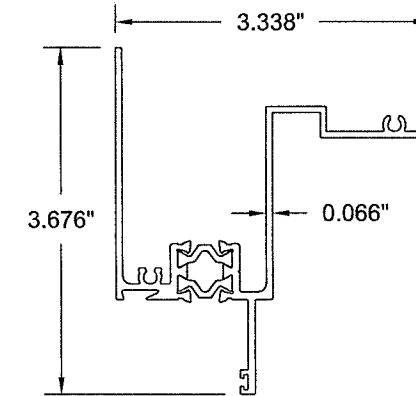
③ FRAME SILL EQUAL LEG



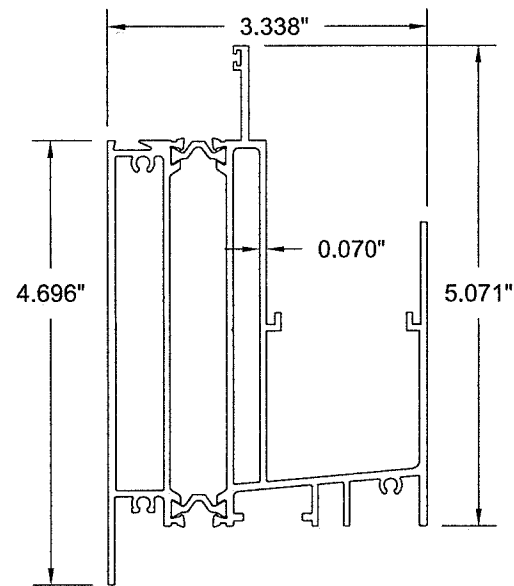
④ FRAME JAMB  
X FLANGE



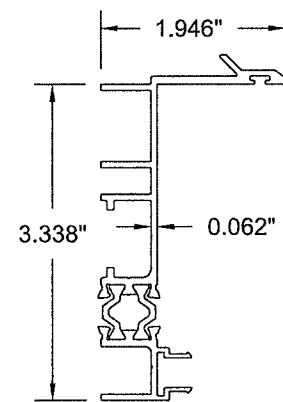
⑤ FRAME JAMB  
O FLANGE



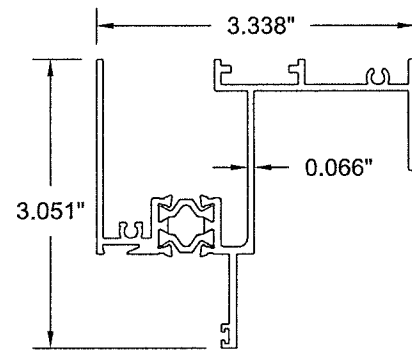
⑥ FRAME HEAD FLANGE



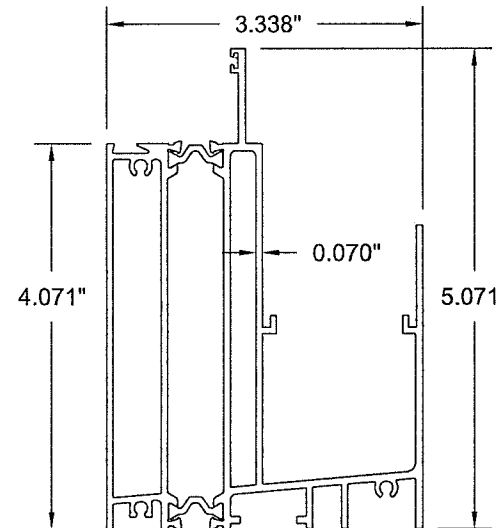
⑦ FRAME SILL FLANGE



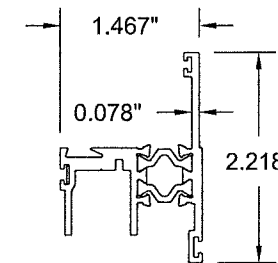
⑧ FRAME JAMB  
X FIN



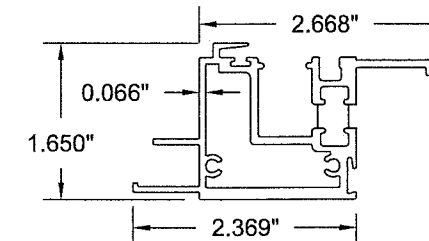
⑨ FRAME HEAD FIN



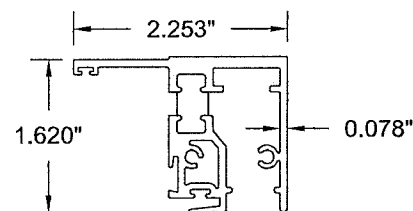
⑩ FRAME SILL FIN



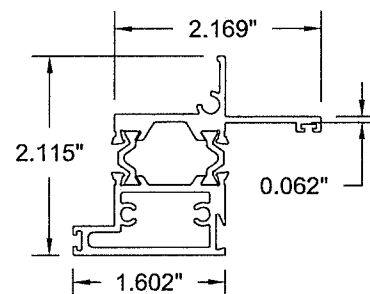
⑪ SASH TOP/  
BOT. RAIL



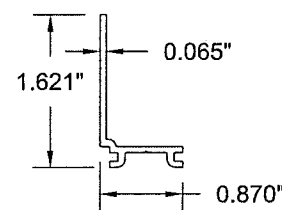
⑫ FIXED MTG. RAIL



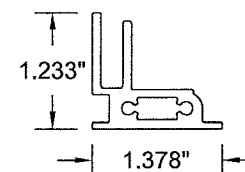
⑬ SASH MTG. RAIL



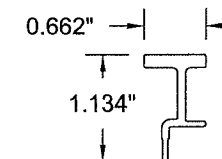
⑭ SASH PULL RAIL



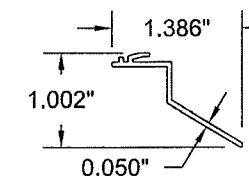
⑮ FIN ADAPTOR



⑯ FIXED MTG. RAIL  
REINFORCEMENT



⑰ SASH MTG. RAIL  
REINFORCEMENT



⑱ VINYL SCREEN  
RETAINER

**PRODUCT REVISED**  
as complying with the Florida  
Building Code  
NOA-No. **20-0826.16**  
Expiration Date: **03/09/22**  
By: *Manuel Perez*  
Miami-Dade Product Control

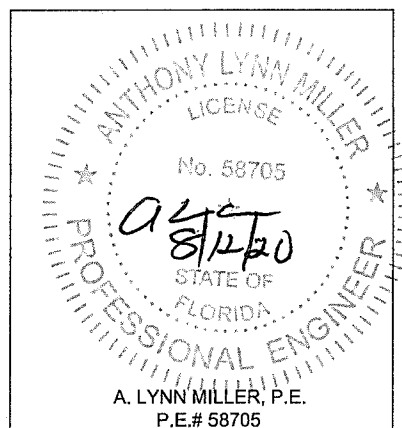
NO CHANGES THIS SHEET.

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

THERMALLY BROKEN ALUM. HORIZ. ROLLER (LM)

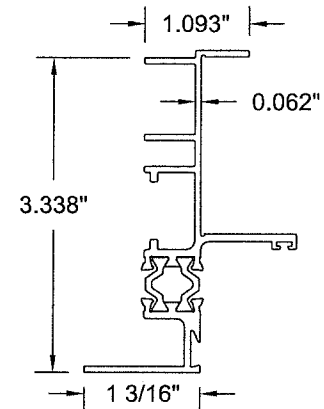
Series	Desc.	Title	Rev.
HR9470T	EXTRUSIONS	ERIN KOSS	08/12/20
20 OF 21	DWG No.	9470-LMI-NOA	
Sheet			



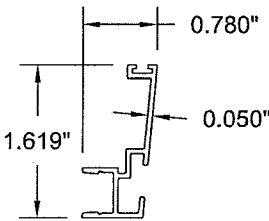
BILL OF MATERIALS			
NO.	PART NUMBER	DESCRIPTION	MANUFACTURER (MAT.)
1	13947006	FRAME JAMB OPERABLE FLUSH	KEYMARK (ALUM. 6063-T6)
2	1394X004	FRAME HEAD FLUSH	KEYMARK (ALUM. 6063-T6)
3	13947001	FRAME SILL FLUSH	KEYMARK (ALUM. 6063-T6)
4	13947007	FRAME JAMB OPERABLE FLANGE	KEYMARK (ALUM. 6063-T6)
5	1394X002	FRAME JAMB FIXED FLANGE	KEYMARK (ALUM. 6063-T6)
6	1394X005	FRAME HEAD FLANGE	KEYMARK (ALUM. 6063-T6)
7	13947002	FRAME SILL FLANGE	KEYMARK (ALUM. 6063-T6)
8	13497006	FRAME JAMB OPERABLE FIN	KEYMARK (ALUM. 6063-T6)
9	1349X006	FRAME HEAD FIN	KEYMARK (ALUM. 6063-T6)
10	13947001	FRAME SILL FIN	KEYMARK (ALUM. 6063-T6)
11	13947004	SASH TOP & BOTTOM RAIL	KEYMARK (ALUM. 6063-T6)
12	1394X007	FIXED MEETING RAIL	KEYMARK (ALUM. 6063-T6)
13	1394X010	SASH MEETING RAIL	KEYMARK (ALUM. 6063-T6)
14	13947005	SASH PULL RAIL	KEYMARK (ALUM. 6063-T6)
15	S-49332	FIN ADAPTOR	KEYMARK (ALUM. 6063-T6)
16	1294X029	FIXED MEETING RAIL REINFORCEMENT	KEYMARK (ALUM. 6063-T6)
17	1194X011	SASH MEETING RAIL REINFORCEMENT	KEYMARK (ALUM. 6063-T6)
18	17010415	VINYL SCREEN RETAINER	TEAM PLASTICS (10415)
19	1194X013	FRAME HEAD SCREW COVER	KEYMARK (ALUM. 6063-T6)
20	1194X009	VERTICAL SCREEN ADAPTER	KEYMARK (ALUM. 6063-T6)
21	1394X001	FRAME JAMB FIXED FLUSH	KEYMARK (ALUM. 6063-T6)
22	H4000-XX-SL202	SASH LOCK	
23	11947009	ROLLER TRACK	KEYMARK (ALUM. 6063-T6)
24	1194X012	GLASS STOP	KEYMARK (ALUM. 6063-T6)
25	121005	GLAZING VINYL #5	TEAM PLASTICS (VINYL)
26	17015071	SASH STOP	TEAM PLASTICS (VINYL)
27	17015070	BALANCE COVER	TEAM PLASTICS (VINYL)
28	17015072	DEBRIDGE COVER	TEAM PLASTICS (VINYL)
29	17015073	THERMAL ISOLATOR	TEAM PLASTICS (VINYL)
30	S4000-XX-150	SCREEN FRAME	KEYMARK (ALUM. 6063-T6)

BILL OF MATERIALS			
NO.	PART NUMBER	DESCRIPTION	MANUFACTURER (MAT.)
31	S4000-BL-SC	SCREEN CORNERS	
32	S4000-SS-027	SCREEN WIRE LIFT	
33	900187	SCREEN TENSION SPRING	
34	SBVXX-BL-0600Z	SCREEN MESH	
35	S0010-BL-2200R	SCREEN SPLINE	
36	121998	0.187" W X 0.200" H FIN WEATHERSTRIP	ULTRAFAB
37	W4000-BL-20218	0.187" W X 0.300" H PROLON WEATHERSTRIP	ULTRAFAB
38	W4070-BL-W2	CLOSED CELL FOAM PAD	FRANKE LOWE
39	122023	0.810" W X 0.700" L X 0.240" H WOOLPILE PAD	ULTRAFAB
40	131096	#6 X 3/4" FLAT HEAD TYPE A PAINTED SASH LOCK SCREWS	
41	131014	#8 X 1" PAN HEAD SQUARE DRIVE LEAD POINT CORNER ASSEMBLY SCREWS	
42	131085	#8 X 1" FLAT HEAD BALANCE SCREWS TYPE A	
43	263400	9/16" THERMAL STRUT INSULBAR	ENSINGER (TECATHERM 66 GF)
44	121104	GLASS SHIM DUROMETER 85	FRANK LOWE (2RB-89-0250-024-032)
45		SIKA 552, DOW 791, DOW 983	SIKA / DOW (POLYURETHANE/SILICONE)
46	GLASS	SEE GLAZING DETAIL AND TYPES, SHEET 4	
47	1914-7188-SS	ROLLER ASSEMBLY	AMESBURY (STAINLESS STEEL)
48	TP990	SPACER SYSTEM (SEE NOTE BELOW)	HELIMA (ALUMINUM AW-3000)

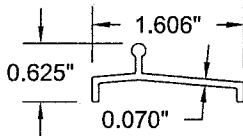
NOTE: SPACER MATERIAL TENSILE ULTIMATE STRENGTH FTU= 17KSI  
TENSILE YIELD STRENGTH FTY= 12KSI



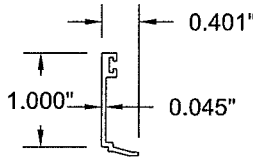
21 FRAME JAMB  
O EQUAL LEG/FIN



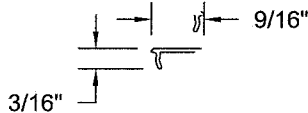
20 VERTICAL SCREEN  
ADAPTER



23 ROLLER TRACK



24 GLASS STOP



28 DEBRIDGE COVER

**PRODUCT REVISED**  
as complying with the Florida  
Building Code  
NOA-No. **20-0826.16**  
Expiration Date: **03/09/22**  
By: *Manuel Perez*  
Miami-Dade Product Control

Revision: ADDED DOW 791 & DOW 983 TO BOM.

<div>WINDOOR<sup>®</sup></div> <div>INCORPORATED</div> <div>WINDOOR INCORPORATED</div> <div>104 TRIPLE DIAMOND BLVD.</div> <div>NORTH VENICE, FL 34275</div> <div>(833) 554-5432</div>		<div>PREPARED BY A. LYNN MILLER</div> <div>1070 TECHNOLOGY DRIVE</div> <div>N. VENICE, FL 34275</div> <div>(941) 480-1600</div> <div>REGISTRATION #29296</div>		Title		Date		08/12/20	
				Series Desc.		By		Rev.	
				BOM & EXTRUSIONS		ERIN KOSS		9470-LMI-NOA	
				HR9470T		DWC		No.	
Sheet		21 OF 21		9470-LMI-NOA					

