MIAMI-DADE COUNTY, FLORIDA
PRODUCT CONTROL SECTION
11805 SW 26 Street, Room 208
Miami, Florida 33175-2474
www.miamidade.gov/building

DEPARTMENT OF REGULATORY AND ECONOMIC RESOURCES (RER)

NOTICE OF ACCEPTANCE (NOA)

PGT Industries, Inc.
1070 Technology Drive
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 "HR7710A" Aluminum Horizontal Roller Window – L.M.I.

APPROVAL DOCUMENT: Drawing No. **7710NOA-1, REV B** titled "Aluminum Horiz. Roller Install (LM)", sheets 1 through 19 of 19, dated 06/30/18 and last revised on 06-02-23, prepared by manufacturer, signed and sealed by Anthony Lynn Miller, P.E., bearing the Miami-Dade County Product Control Renewal stamp with the Notice of Acceptance number and expiration date by the Miami-Dade County Product Control Section.

MISSILE IMPACT RATING: Large and Small Missile Impact Resistant

LABELING: Each unit shall bear a permanent label with the manufacturer's name or logo, city, state, 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 & renews NOA No. 20-0406.04** and consists of this page 1 and evidence pages E-1, E-2, E-3, E-4 and E-5, as well as approval document mentioned above.

The submitted documentation was reviewed by **Ishaq I. Chanda, P.E.**

Ishaq I. Chanda

PGT Industries, Inc.

NOTICE OF ACCEPTANCE; EVIDENCE SUBMITTED

I. EVIDENCE SUBMITTED UNDER PREVIOUS NOA's

A. DRAWINGS

1. Manufacturer's die drawings and sections.
   (Submitted under NOA No. 18-0627.01)
2. Drawing No. **7710NOA-1**, titled "Aluminum Horiz. Roller Install (LM), sheets 1 through 19 of 19, dated 06/30/18, prepared by manufacturer, signed and sealed by Anthony Lynn Miller, P.E.
   (Submitted under NOA No. 18-0627.01)

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 an aluminum horizontal sliding window, prepared by Fenestration Testing Laboratory, Inc., Test Report No. **FTL-18-7891**, dated 06/06/18, signed and sealed by Idalmis Ortega, P.E.
   (Submitted under NOA No. 18-0627.01)
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 an aluminum horizontal sliding window, prepared by Fenestration Testing Laboratory, Inc., Test Report No. **FTL-18-7891.01**, dated 07/03/18, signed and sealed by Idalmis Ortega, P.E.
   (Submitted under NOA No. 18-0627.01)

C. CALCULATIONS

1. Anchor verification calculations and structural analysis, complying with **FBC 6th Edition (2017)**, dated 06/18/18 and updated on 07/25/18, prepared by manufacturer, signed and sealed by Anthony Lynn Miller, P.E.
   (Submitted under NOA No. 18-0627.01)
2. Glazing complies with **ASTM E1300-09**

Ishaq I. Chanda

Ishaq I. Chanda, P.E.
Product Control Unit Supervisor
NOA No. 23-0707.06
Expiration Date: August 23, 2028
Approval Date: July 27, 2023

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

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

D. QUALITY ASSURANCE

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

E. MATERIAL CERTIFICATIONS

1. 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.
2. Notice of Acceptance No. **17-0808.02** issued to **Kuraray America, Inc.** for their "**SentryGlas® (Clear and White) Glass Interlayers**" dated 12/28/17, expiring on 07/04/23.

F. STATEMENTS

1. Statement letter of conformance to **FBC 6th Edition (2017)**, dated July 25, 2018, issued by manufacturer, signed and sealed by Anthony Lynn Miller, P.E.
   (Submitted under NOA No. 18-0627.01)
2. Statement letter of no financial interest, dated July 25, 2018, issued by manufacturer, signed and sealed by Anthony Lynn Miller, P.E.
   (Submitted under NOA No. 18-0627.01)
3. Proposal No. **18-0289** issued by the Product Control Section, dated 02/20/18, signed by Manuel Perez, P.E.
   (Submitted under NOA No. 18-0627.01)

G. OTHERS

1. None.

Ishaq I. Chanda, P.E.
Product Control Unit Supervisor
NOA No. 23-0707.06
Expiration Date: August 23, 2028
Approval Date: July 27, 2023

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

2. EVIDENCE SUBMITTED under previous approval

A. DRAWINGS

1. Drawing No. **7710NOA-1**, titled "Aluminum Horiz. Roller Install (LM), sheets 1 through 19 of 19, dated 06/30/18, with revision A dated 03/11/20, 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. representative units listed below and tested to qualify **Dowsil 791** and **Dowsil 983** silicones, prepared by Fenestration Testing Laboratory, Inc., Test Reports No.:
   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) dated 07/13/20, all signed and sealed by Idalmis Ortega, P.E.

C. CALCULATIONS

1. Anchor verification calculations and structural analysis, complying with **FBC 6th Edition (2017)**, prepared by manufacturer, dated 06/18/18, revised on 07/25/18 and updated to the **FBC 7th Edition (2020)** on 04/02/20, signed and sealed by Anthony Lynn Miller, P.E.

D. QUALITY ASSURANCE

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

E. MATERIAL CERTIFICATIONS

1. Notice of Acceptance No. **19-0305.02** issued to **Kuraray America, Inc.** for their "**Trosifol® Ultraclear, Clear and Color PVB Glass Interlayers**" dated 05/09/19, expiring on 07/08/24.
2. 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.

Ishaq I. Chanda, P.E.
Product Control Examiner
NOA No. 23-0707.06
Expiration Date: August 23, 2028
Approval Date: July 27, 2023

NOTICE OF ACCEPTANCE; EVIDENCE SUBMITTED

2. EVIDENCE SUBMITTED under previous approval (CONTINUED)

F. STATEMENTS

1. Statement letter of conformance, complying with **FBC 6th Edition (2017)** and the **FBC 7th Edition (2020)**, dated March 10, 2020, issued by manufacturer, signed and sealed by Anthony Lynn Miller, P.E.
2. Statement letter of no financial interest, dated March 10, 2020, issued by manufacturer, signed and sealed by Anthony Lynn Miller, P.E.
3. Proposal No. **19-1155 TP** issued by the Product Control Section, dated January 10, 2020, signed by Ishaq Chanda, P.E.

G. OTHERS

1. Notice of Acceptance No. **18-0627.01**, issued to PGT Industries, Inc. for their Series "HR7710A" Aluminum Horizontal Roller Window - L.M.I. approved on 08/23/18 and expiring on 08/23/23.

Ishaq I. Chanda, P.E.
Product Control Unit Supervisor
NOA No. 23-0707.06
Expiration Date: August 23, 2028
Approval Date: July 27, 2023

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

2. NEW EVIDENCE SUBMITTED

A. DRAWINGS

1. Drawing No. **7710NOA-1, REV B** titled "Aluminum Horiz. Roller Install (LM)", sheets 1 through 19 of 19, dated 06/30/18 and last revised on 06-02-23, prepared by manufacturer, signed and sealed by Anthony Lynn Miller, P.E, signed and sealed by Anthony Lynn Miller, P.E.

B. TESTS (submitted under previous approval)

1. None.

C. CALCULATIONS (submitted under previous approval)

1. None.

D. QUALITY ASSURANCE

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

E. MATERIAL CERTIFICATIONS

1. Notice of Acceptance No. **19-0305.02** issued to **Kuraray America, Inc.** for their "**Trosifol® Ultraclear, Clear and Color PVB Glass Interlayers**" dated 05/09/19, expiring on 07/08/24.
2. 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.

F. STATEMENTS

1. Statement letter of conformance, complying with **FBC 7th Edition (2020)** and the **FBC 8th Edition (2023)**, dated 07-05-23, issued by manufacturer, signed and sealed by Anthony Lynn Miller, P.E.
2. Statement letter of conformance, complying with **FBC 6th Edition (2017)** and the **FBC 7th Edition (2020)**, dated March 10, 2020, issued by manufacturer, signed and sealed by Anthony Lynn Miller, P.E.

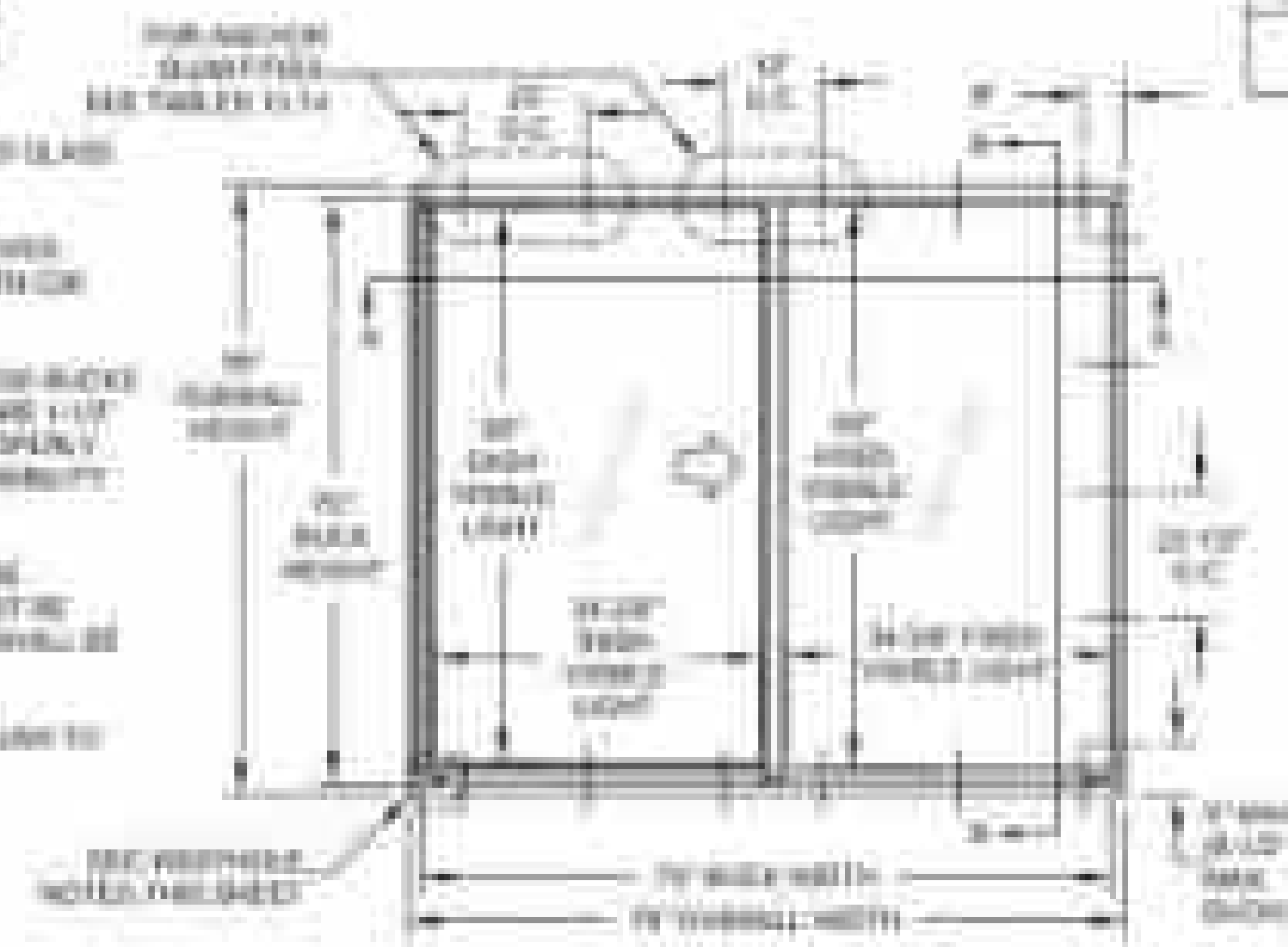
G. OTHERS

1. This NOA **revises & renews NOA No. 20-0406.04**, expiring on 08/23/28.

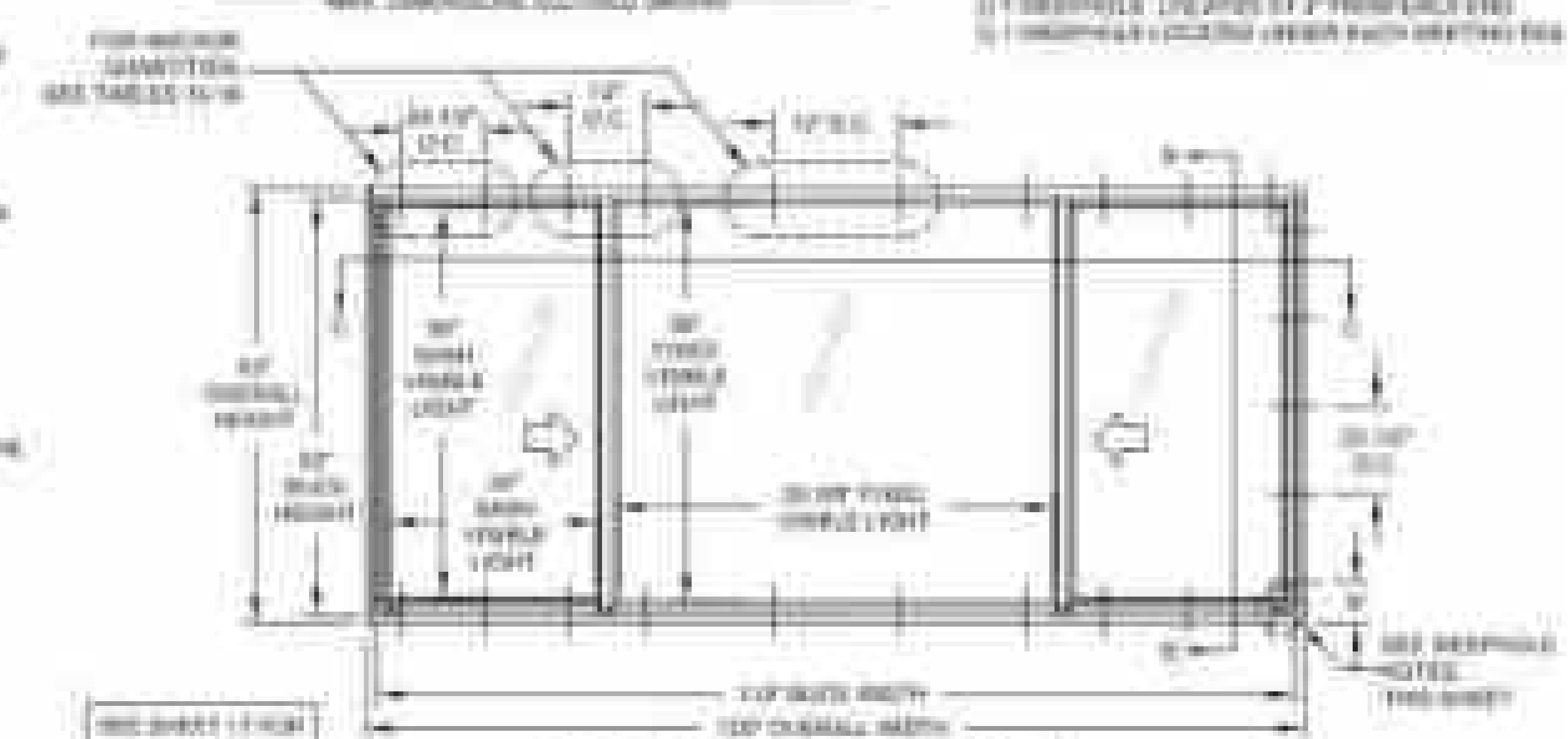
Ishaq I. Chanda, P.E.
Product Control Unit Supervisor
NOA No. 23-0707.06
Expiration Date: August 23, 2028
Approval Date: July 27, 2023

SERIES [illegible] IMPACT RESISTANT HORIZONTAL ROLLER WINDOW

[illegible]



TYP. FLANGE XO ELEVATION (OX SIM.)



TYP. FLANGE XOX ELEVATION

USER INSTRUCTIONS

[illegible]

PRODUCT RENEWED

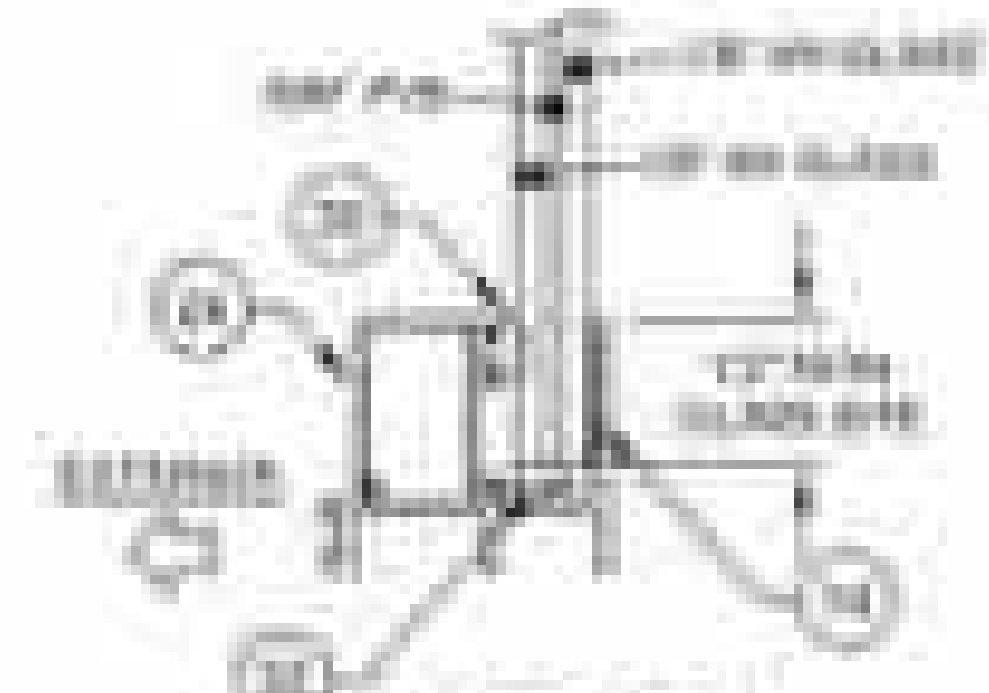
[illegible]

B) UPDATED TO FBC 2023

PGT

TABLE 2.

Overall Width	Design Pressure (lbs/ft²) for XO & OX Windows								Glass Type: 1 Moving Rail: Standard	
	2'-1/8" Overall Hgt.		37" Overall Hgt.		48" Overall Hgt.		55" Overall Hgt.		62" Overall Hgt.	
27"	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
28"	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
37"	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
40"	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
51"	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
60"	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
74"	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]

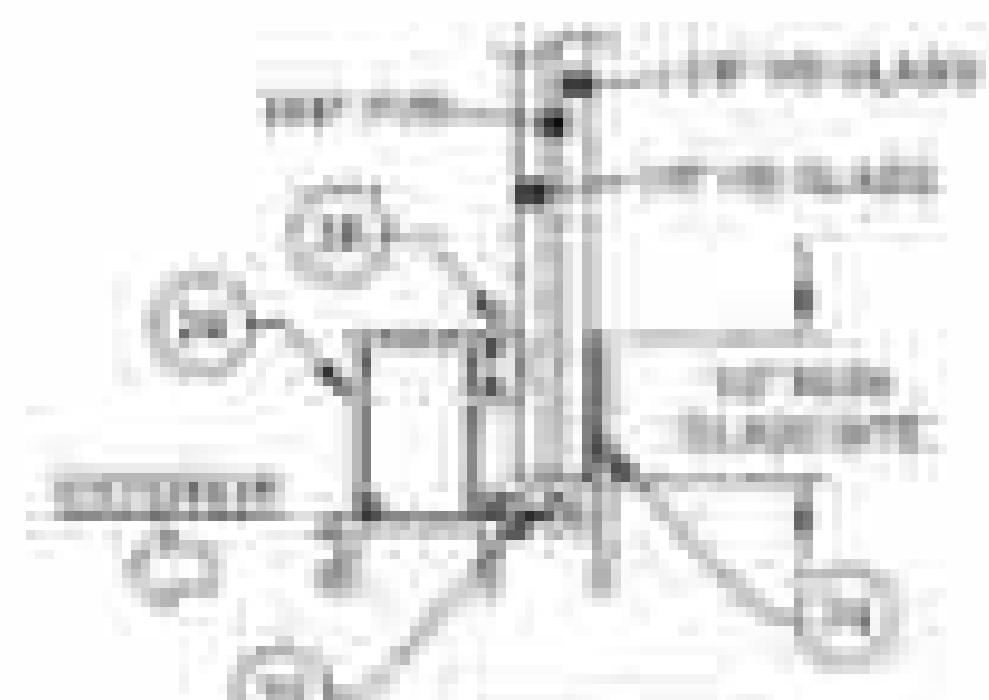


GLASS TYPE 1

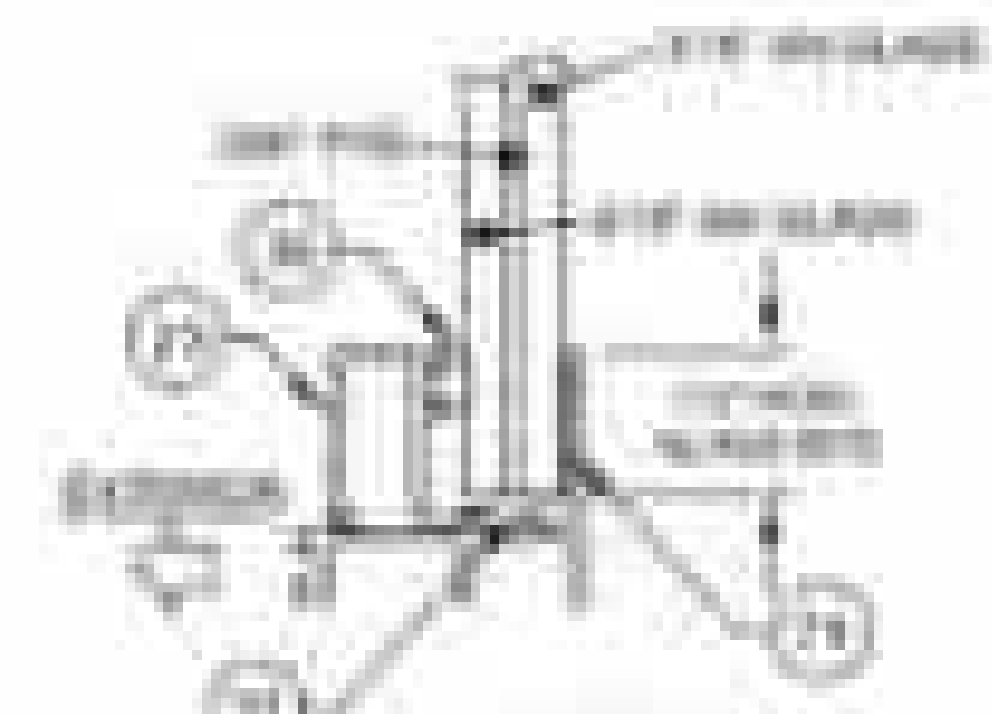
TABLE 3.

Overall Width	Design Pressure (lbs/ft²) for XO & OX Windows								Glass Types: 2, 3, 5, 6 & 7 Moving Rail: Standard	
	2'-1/8" Overall Hgt.		37" Overall Hgt.		48" Overall Hgt.		55" Overall Hgt.		62" Overall Hgt.	
27"	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
28"	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
37"	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
40"	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
51"	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
60"	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
74"	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]

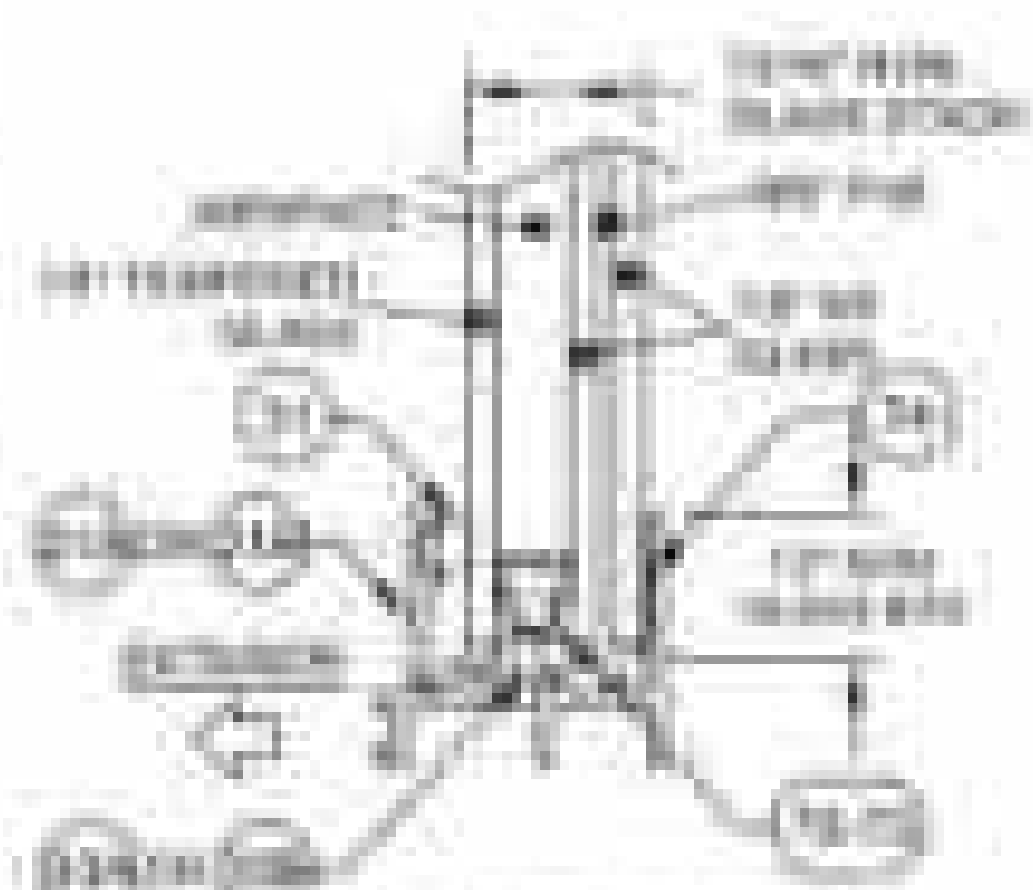
[illegible] FOR GLASS TYPES [illegible]



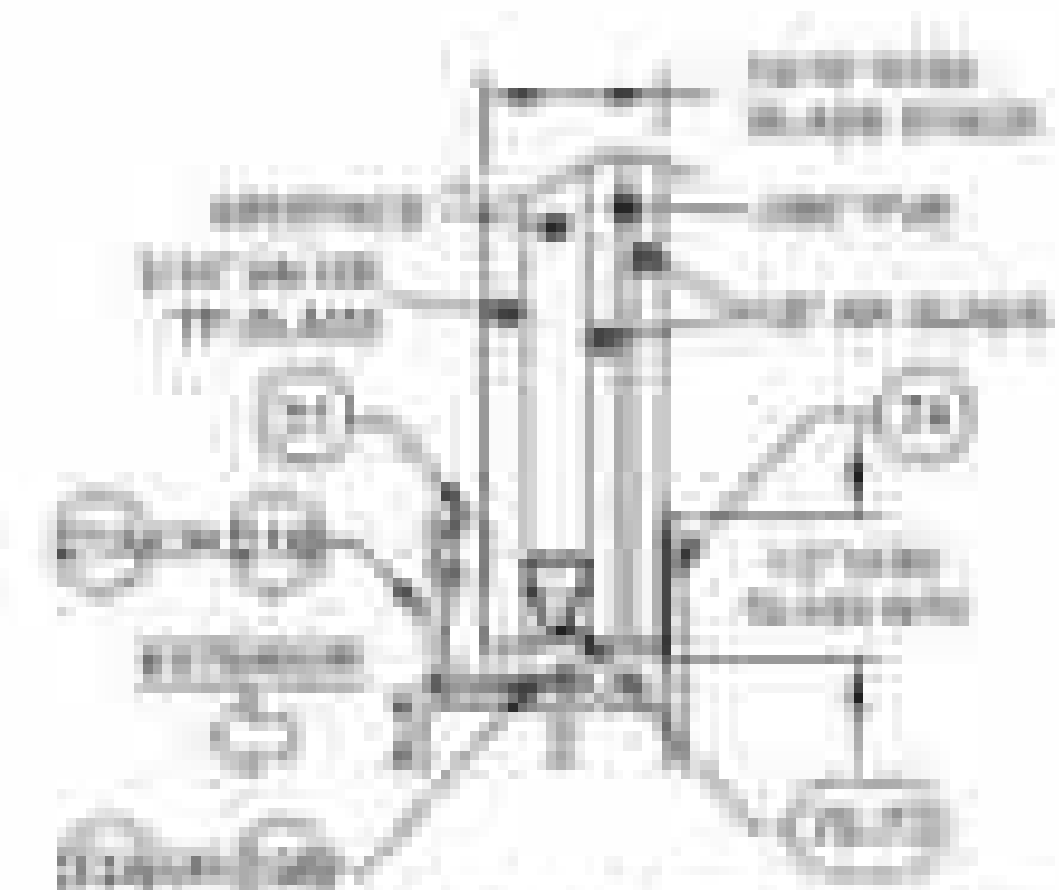
GLASS TYPE 2



GLASS TYPE 3



GLASS TYPE 5



GLASS TYPE 6 (ANNEALED)
GLASS TYPE 7 (TEMPERED)

NOTES:

1) OVERALL (TIP TO TIP) DIMENSIONS SHOWN. FOR INTEGRAL FIN AND EQUAL-LEG WINDOWS, SUBTRACT [illegible] FROM THE TIP TO TIP DIMENSION IN THE TABLE TO DETERMINE THE WINDOW SIZE.

2) FOR SIZES NOT SHOWN, ROUND UP TO THE NEXT AVAILABLE SIZE.

PRODUCT RENEWED
as complying with the Florida Building Code
NOA-No. 23-0707.06
Expiration Date 06/23/2028
By
Miami-Dade Product Control

B) NO CHANGES THIS SHEET.

LY - [illegible]

PGT

ALUMINUM HORIZ. ROLLER INSTALL. (LMI)

DESIGN PRESSURE TABLES

3 OF 18

ANTHONY LYNN MILLER
LICENSE
No. 58705
STATE OF FLORIDA
PROFESSIONAL ENGINEER

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

TABLE 1

Overall Width	Design Pressure (lbs/ft²) for XO & OX Windows — Glass Type: 4 Monolithic Roll Shutter									
	0'-119" Overall Hgt.		15' Overall Hgt.		20' Overall Hgt.		25' Overall Hgt.		30' Overall Hgt.	
4'-0"	+70.0	-80.0	+66.0	-80.0	+60.0	-80.0	+55.0	-80.0	+50.0	-80.0
5'-0"	+60.0	-80.0	+59.0	-80.0	+56.5	-80.0	+49.0	-80.0	+46.0	-80.0
6'-0"	+50.0	-80.0	+50.0	-80.0	+50.0	-80.0	+45.0	-80.0	+43.0	-80.0
8'-0"	+45.0	-80.0	+45.0	-80.0	+45.0	-80.0	+45.0	-80.0	+45.0	-80.0
10'-0"	+37.0	-80.0	+37.0	-80.0	+37.0	-80.0	+37.0	-80.0	+37.0	-80.0
12'-0"	+30.0	-80.0	+30.0	-80.0	+30.0	-80.0	+30.0	-80.0	+30.0	-77.3
14'-0"	+25.7	-80.0	+25.7	-80.0	+25.7	-80.0	+25.7	-77.9	+24.2	-64.5

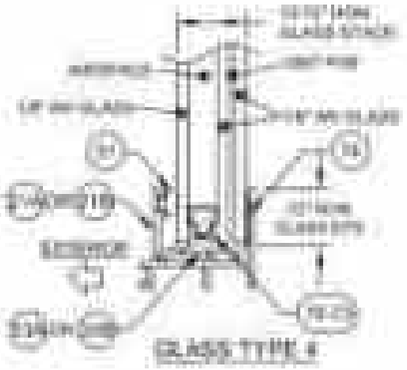
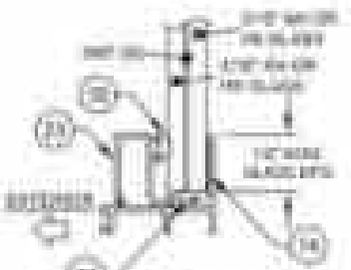
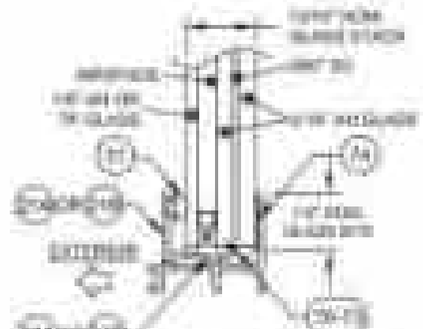


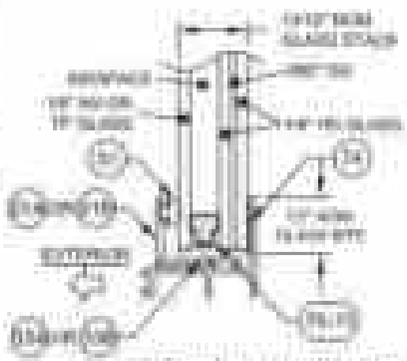
TABLE 2

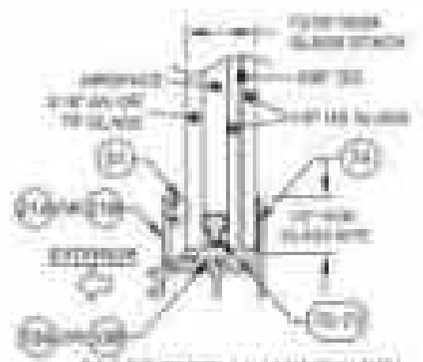
Overall Width	Design Pressure (lbs/ft²) for XO & OX Windows — Glass Types: 8 (Ply 1) Missing Rail Shutter									
	0'-119" Overall Hgt.		15' Overall Hgt.		20' Overall Hgt.		25' Overall Hgt.		30' Overall Hgt.	
4'-0"	+70.0	-80.0	+60.0	-80.0	+60.0	-116.0	+60.0	-116.0	+60.0	-116.0
5'-0"	+60.0	-80.0	+60.0	-80.0	+60.0	-116.0	+60.0	-116.0	+60.0	-116.0
6'-0"	+60.0	-80.0	+60.0	-80.0	+60.0	-116.0	+60.0	-116.0	+60.0	-116.0
8'-0"	+60.0	-80.0	+60.0	-80.0	+60.0	-116.0	+60.0	-116.0	+60.0	-116.0
10'-0"	+60.0	-80.0	+60.0	-80.0	+60.0	-116.0	+60.0	-116.0	+60.0	-116.0
12'-0"	+60.0	-80.0	+60.0	-80.0	+60.0	-116.0	+60.0	-116.0	+60.0	-116.0
14'-0"	+60.0	-80.0	+60.0	-80.0	+60.0	-116.0	+60.0	-116.0	+60.0	-116.0

(1) Up to 119" Overall Height for Glass Types 8, 10, 12, 14 & 15









GLASS TYPES 8 - 15 MAY NOT BE USED WITH INTERNAL TRIM FINISHES

NOTES:

1) OVERALL (TIP TO TIP) DIMENSIONS SHOWN FOR MATERIAL TOLLING EQUALS (-0.0) MINUTES. SUBTRACT 1" FROM THE TIP TO TIP DIMENSION IN THE TABLE TO DETERMINE THE WINDOW SIZE.

2) FOR SIZES NOT SHOWN ROUND UP TO THE NEXT AVAILABLE SIZE.

PRODUCT REVIEWED in complying with the Florida Building Code
NOA No. 23-0707.06
Expiration Date: 09/01/2028
By: Miami-Dade Product Control

8) NO CHANGES THIS SHEET

LT - 09/02/23

PGT

ALUMINUM HORIZ. ROLLER HSTL

DESIGN PRESSURE TABLES

8 OF 15

SHEET

HSTL

REVISIONS

DRAWN BY

DATE

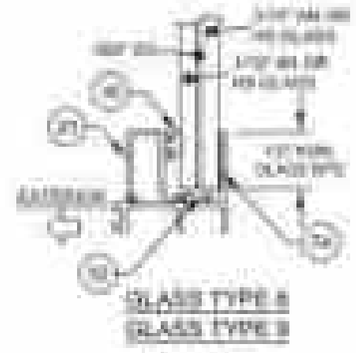
8

REGISTERED PROFESSIONAL ENGINEER

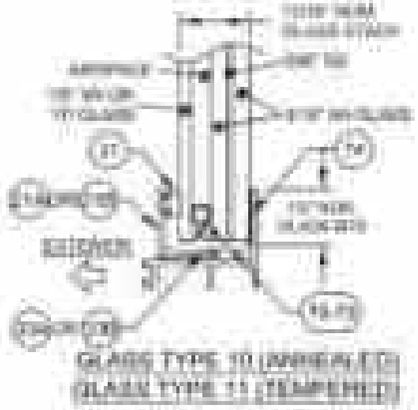
Overall Width	Design Pressure (lb/sq.ft) for XO & OX Windows											
	0' to 15' Overall Hgt.		20' Overall Hgt.		25' Overall Hgt.		30' Overall Hgt.		35' Overall Hgt.		40' Overall Hgt.	
20"	+60.0	-112.5	+60.0	-112.5	+60.0	-101.0	+60.0	-112.5	+60.0	-110.0	+60.0	-110.0
24"	+60.0	-105.0	+60.0	-105.0	+60.0	-103.5	+60.0	-105.0	+60.0	-105.0	+60.0	-105.0
28"	+60.0	-105.0	+60.0	-97.5	+60.0	-104.5	+60.0	-105.0	+60.0	-105.0	+60.0	-105.0
36"	+60.0	-105.0	+60.0	-97.5	+60.0	-104.5	+60.0	-97.5	+60.0	-105.0	+60.0	-105.0
40"	+60.0	-90.0	+60.0	-97.5	+60.0	-104.5	+60.0	-97.5	+60.0	-105.0	+60.0	-105.0
52"	+60.0	-90.0	+60.0	-97.5	+60.0	-104.5	+60.0	-97.5	+60.0	-105.0	+60.0	-105.0
70"	+60.0	-90.0	+60.0	-97.5	+60.0	-104.5	+60.0	-97.5	+60.0	-105.0	+60.0	-105.0

Glass Types: 9 thru 16
Meeting Roll Wedge Duty

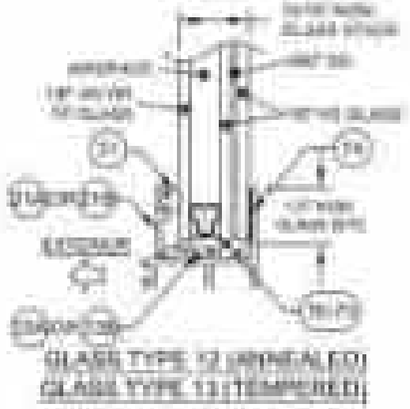
GLASS TYPES 9 - 16 MAY NOT BE USED WITH MUNTINS, PAN SPANDRELS



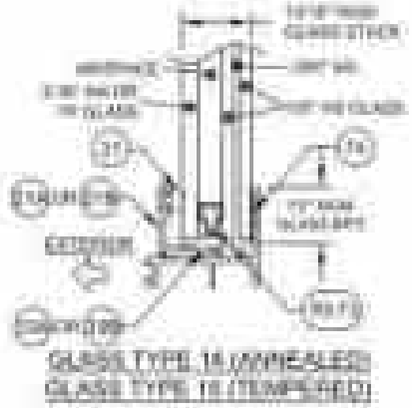
GLASS TYPE 8
GLASS TYPE 9



GLASS TYPE 10 (ANNEALED)
GLASS TYPE 11 (TEMPERED)



GLASS TYPE 12 (ANNEALED)
GLASS TYPE 13 (TEMPERED)



GLASS TYPE 14 (ANNEALED)
GLASS TYPE 15 (TEMPERED)

NOTES:

1) OVERALL LITE TO LITE DIMENSIONS SHOWN FOR EQUAL LITES. WHEN UNEQUAL SUBTRACT 1" FROM EACH TEE TO TEE DIMENSION IN THE TABLE TO DETERMINE THE MINIMUM SIZE.

2) FOR SIZES NOT SHOWN ROUND UP TO THE NEXT AVAILABLE SIZE.

PRODUCT RENEWED
as complying with the Florida Building Code
NOA No. 23-0717.06
Expiration Date: 08/24/2028
By: Miami-Dade Product Control

8) NO CHANGES THIS SHEET

LT - 08/02/23

DRAWING INDEX	
TITLE SHEET	T-1
ALUMINUM HUNG ROLLER WEATHER STRIP	
DESIGN PRESSURE TABLES	

IPGT

WRIGHT LYON SELLS
FLORIDA PROFESSIONAL ENGINEER
No. 58705
STATE OF FLORIDA

TABLE 2

Overall Width	Sash Configuration	Glass Width Range (in.)	Design Pressure (lbs/ft²) for H.C.W. Windows — Glass Types 1, 4, 5 Meeting Rqmt. Standard											
			2' - 0.13" Overall Hgt.		25" Overall Hgt.		37" Overall Hgt.		49" Overall Hgt.		61" Overall Hgt.		63" Overall Hgt.	
49"	[illegible]	13.059" - 13.062"	+69.0	-67.0	+70.0	-69.0	+69.0	-62.0	+69.0	-69.0	+69.0	-62.0	+70.0	-69.0
	[illegible]	13.063" - 15.188"	+68.0	-63.0	+69.0	-59.0	+68.0	-60.0	+67.0	-60.0	+68.0	-63.0	+69.0	-60.0
49"	[illegible]	13.059" - 13.062"	+68.0	-67.0	+70.0	-69.0	+69.0	-62.0	+69.0	-69.0	+69.0	-62.0	+70.0	-69.0
	[illegible]	13.063" - 15.188"	+68.0	-63.0	+69.0	-59.0	+68.0	-60.0	+67.0	-60.0	+68.0	-63.0	+69.0	-60.0
53-1/8"	[illegible]	13.059" - 14.188"	+68.0	-62.0	+69.0	-60.0	+68.0	-53.0	+68.0	-60.0	+68.0	-53.0	+69.0	-60.0
	[illegible]	14.189" - 15.706"	+68.0	-62.0	+69.0	-60.0	+68.0	-60.0	+67.0	-60.0	+68.0	-62.0	+69.0	-60.0
61"	[illegible]	13.059" - 15.306"	+68.0	-62.0	+69.0	-60.0	+68.0	-53.0	+68.0	-60.0	+68.0	-53.0	+69.0	-60.0
	[illegible]	15.307" - 20.675"	+68.0	-62.0	+69.0	-60.0	+68.0	-60.0	+67.0	-60.0	+68.0	-62.0	+69.0	-60.0
73"	[illegible]	13.059" - 21.056"	+68.0	-62.0	+69.0	-60.0	+68.0	-53.0	+68.0	-60.0	+68.0	-53.0	+69.0	-60.0
	[illegible]	20.057" - 22.188"	+68.0	-62.0	+69.0	-60.0	+68.0	-60.0	+67.0	-60.0	+68.0	-62.0	+69.0	-60.0
	[illegible]	22.189" - 25.675"	+68.0	-62.0	+69.0	-60.0	+68.0	-53.0	+68.0	-60.0	+68.0	-53.0	+69.0	-60.0
97"	[illegible]	" - 24.062"	+68.0	-62.0	+69.0	-60.0	+68.0	-57.0	+67.2	-58.2	+68.0	-57.0	+68.7	-58.7
	[illegible]	24.063" - 25.188"	+68.0	-62.0	+69.0	-60.0	+68.0	-53.0	+68.0	-60.0	+68.0	-57.0	+69.0	-60.0
	[illegible]	25.189" - 31.656"	+68.0	-62.0	+69.0	-60.0	+68.0	-57.0	+68.0	-60.0	+68.0	-53.0	+69.0	-60.0
97"	[illegible]	" - 25.362"	+68.0	-62.0	+69.0	-60.0	+68.0	-57.0	+68.7	-59.4	+68.0	-57.0	+69.7	-60.7
	[illegible]	25.363" - 27.188"	+68.0	-62.0	+69.0	-60.0	+68.0	-60.0	+67.0	-60.0	+68.0	-62.0	+69.0	-59.0
	[illegible]	27.189" - 31.656"	+68.0	-62.0	+69.0	-60.0	+68.0	-57.0	+67.0	-60.0	+68.0	-57.0	+69.0	-59.0
97"	[illegible]	" - 26.362"	+68.0	-62.0	+69.0	-60.0	+68.0	-60.0	+68.2	-59.8	+68.0	-63.0	+68.7	-60.7
	[illegible]	26.363" - 28.188"	+68.0	-62.0	+69.0	-60.0	+68.0	-60.0	+68.0	-60.0	+68.0	-63.0	+69.7	-61.3
	[illegible]	28.189" - 31.656"	+68.0	-62.0	+69.0	-60.0	+68.0	-60.0	+67.8	-60.0	+68.0	-63.0	+69.7	-62.3
121"	[illegible]	" - 31.0.75	+68.0	-62.0	+69.0	-60.0	+68.0	-60.0	+67.2	-58.2	+68.0	-63.0	+69.7	-62.7

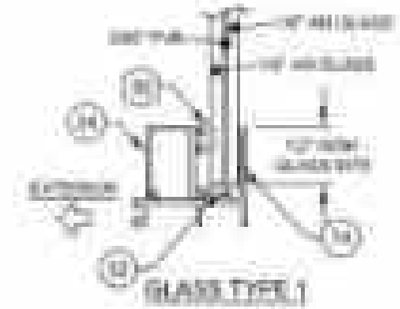
* MIN. SASH WIDTH IN LARGE WINDOWS = OVERALL WIDTH - 37.500
3

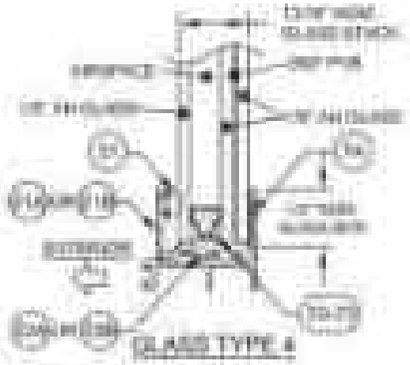
* MAX. SASH WIDTH FOR 2 TOTAL LITE WINDOWS = OVERALL WIDTH - 36.000
3

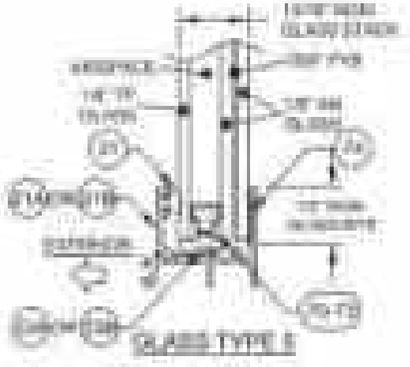
NOTES

1) OVERALL (TOP TO TIP) DIMENSIONS SHOWN FOR MATERIAL THK AND EQUAL LEG & INEQUAL LEG BUMPOUT 1" FROM THE TOP TO TIP DIMENSION IN THE TABLE TO DETERMINE THE WINDOW SIZE.

2) DP SIZES MUST SHOWN ROUND UP TO THE NEXT AVAILABLE SIZE.







PRODUCT RENEWED
in complying with the Florida Building Code
NOA No. 23-0717.06
Expiration Date: 08.01.2028
By: [illegible]
Miami-Dade Product Control

B) NO CHANGES THIS SHEET

LT - 09/02/23

PGT

ALUMINUM HORIZ. ROLLER WINDOW

DESIGN PRESSURE TABLES

HW-TT1124

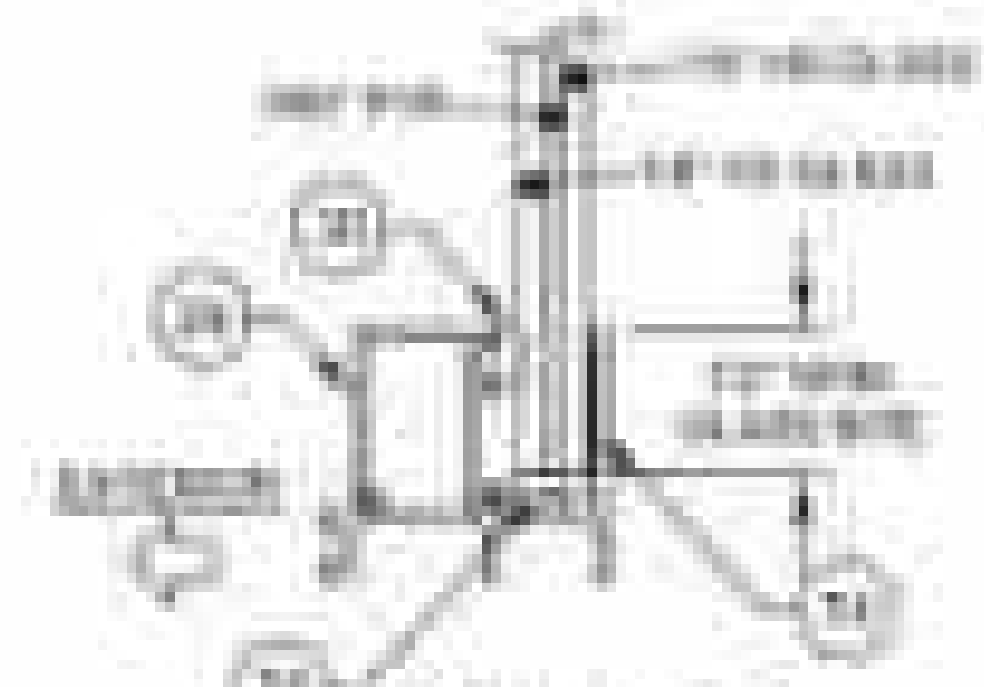
1 OF 10

REVISIONS

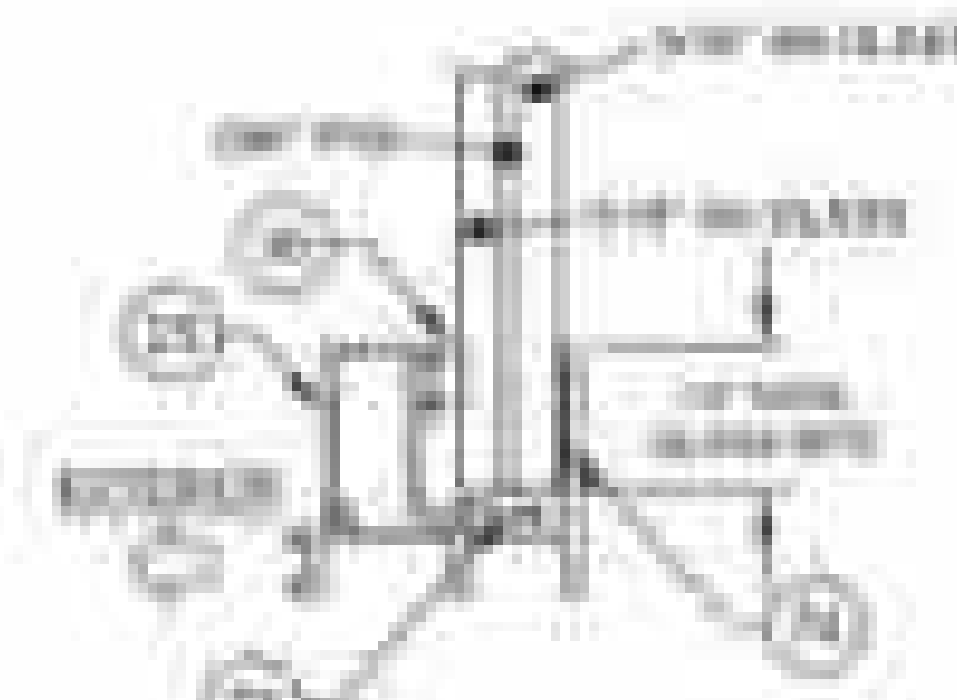
1	11/08/23	LT

TABLE [illegible]

Overall Width	Sash Configuration	Sash Width Range (in)	Design Pressure (lbs/ft²) for XOX Windows — Glass Types: 2, 3 — Meeting Rail: Standard											
			[illegible] Overall Hgt.		[illegible] Overall Hgt.		[illegible] Overall Hgt.		[illegible] Overall Hgt.		[illegible] Overall Hgt.		[illegible] Overall Hgt.	
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]



GLASS TYPE 2



GLASS TYPE 3

NOTES:

1) OVERALL (TIP TO TIP) DIMENSIONS SHOWN FOR INTEGRAL FIN AND EQUAL-LEG WINDOWS. SUBTRACT 1" FROM THE TIP TO TIP DIMENSION IN THE TABLE TO DETERMINE THE WINDOW SIZE.

2) FOR SIZES NOT SHOWN, ROUND UP TO THE NEXT AVAILABLE SIZE.

PRODUCT RENEWED
as complying with the Florida Building Code
NOA No. [illegible]
Expiration Date [illegible]
By [illegible]
Miami-Dade Product Control

B) NO CHANGES THIS SHEET

LT - [illegible]

ALUMINUM [illegible] ROLLER [illegible] (LMI)

DESIGN PRESSURE TABLES

TYPE 1

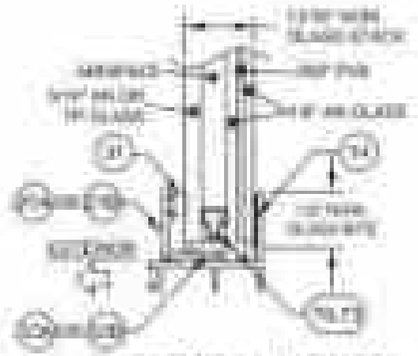
Operator Version	Panel Configuration	Panel Width x Height (in)	Design Pressures (lbs/ft²) for XO# Windows — Glass Types: S, T; Missing Rail: Diamond											
			21 1/8" Overall Hgt		33" Overall Hgt		57" Overall Hgt		81" Overall Hgt		101" Overall Hgt		117" Overall Hgt	
60"	1/3 2/3 1/3	19 7/16 - 19 7/16	+69.0	-69.0	+68.5	-68.0	+65.0	-65.0	+61.0	-61.0	+57.0	-58.0	+55.0	-55.0
	1/3 2/3 1/3	19 7/16 - 19 7/16	+69.0	-69.0	+68.5	-68.0	+65.0	-65.0	+61.0	-61.0	+57.0	-58.0	+55.0	-55.0
48"	1/3 1/3 1/3	15 7/16 - 15 7/16	+69.0	-69.0	+68.5	-68.0	+65.0	-65.0	+61.0	-61.0	+57.0	-58.0	+55.0	-55.0
	1/3 2/3 2/3	15 7/16 - 19 7/16	+69.0	-69.0	+68.5	-68.0	+65.0	-65.0	+61.0	-61.0	+57.0	-58.0	+55.0	-55.0
75 1/2"	1/3 1/3 1/3	23 7/16 - 19 7/16	+69.0	-69.0	+68.5	-68.0	+65.0	-65.0	+61.0	-61.0	+57.0	-58.0	+55.0	-55.0
	1/3 2/3 2/3	23 7/16 - 19 7/16	+69.0	-69.0	+68.5	-68.0	+65.0	-65.0	+61.0	-61.0	+57.0	-58.0	+55.0	-55.0
87"	1/3 2/3 1/3	27 7/16 - 23 7/16	+69.0	-69.0	+68.5	-68.0	+65.0	-65.0	+61.0	-61.0	+57.0	-58.0	+55.0	-55.0
	1/3 2/3 2/3	27 7/16 - 23 7/16	+69.0	-69.0	+68.5	-68.0	+65.0	-65.0	+61.0	-61.0	+57.0	-58.0	+55.0	-55.0
99 7/8"	1/3 2/3 1/3	[illegible]	+69.0	-69.0	+68.5	-68.0	+65.0	-65.0	+61.0	-61.0	+57.0	-58.0	+55.0	-55.0
	[illegible]	[illegible]	+69.0	-69.0	+68.5	-68.0	+65.0	-65.0	+61.0	-61.0	+57.0	-58.0	+55.0	-55.0
	1/3 2/3 2/3	31 7/16 - 31 7/16	+69.0	-69.0	+68.5	-68.0	+65.0	-65.0	+61.0	-61.0	+57.0	-58.0	+55.0	-55.0
112"	1/3 2/3 1/3	[illegible]	+69.0	-69.0	+68.5	-68.0	+65.0	-65.0	+61.0	-61.0	+57.0	-58.0	+55.0	-55.0
	[illegible]	[illegible]	+69.0	-69.0	+68.5	-68.0	+65.0	-65.0	+61.0	-61.0	+57.0	-58.0	+55.0	-55.0
	1/3 2/3 2/3	35 7/16 - 31 7/16	+69.0	-69.0	+68.5	-68.0	+65.0	-65.0	+61.0	-61.0	+57.0	-58.0	+55.0	-55.0
124 7/8"	1/3 2/3 1/3	[illegible]	+69.0	-69.0	+68.5	-68.0	+65.0	-65.0	+61.0	-61.0	+57.0	-58.0	+55.0	-55.0
	[illegible]	[illegible]	+69.0	-69.0	+68.5	-68.0	+65.0	-65.0	+61.0	-61.0	+57.0	-58.0	+55.0	-55.0
	1/3 2/3 2/3	39 7/16 - 35 7/16	+69.0	-69.0	+68.5	-68.0	+65.0	-65.0	+61.0	-61.0	+57.0	-58.0	+55.0	-55.0
136"	1/3 1/3 1/3	[illegible]	+69.0	-69.0	+68.5	-68.0	+65.0	-65.0	+61.0	-61.0	+57.0	-58.0	+55.0	-55.0
	[illegible]	[illegible]	+69.0	-69.0	+68.5	-68.0	+65.0	-65.0	+61.0	-61.0	+57.0	-58.0	+55.0	-55.0
	1/3 2/3 2/3	43 7/16 - 39 7/16	+69.0	-69.0	+68.5	-68.0	+65.0	-65.0	+61.0	-61.0	+57.0	-58.0	+55.0	-55.0

[illegible] = OVERALL WIDTH - 38 5/8" / 2

[illegible] = OVERALL WIDTH - 2 3/8" / 2

[illegible] = OVERALL WIDTH - 38 5/8"

[illegible] = OVERALL WIDTH - 2 3/8"



NOTES

1) CONTACT PGT TO DETERMINE DIMENSIONS SHOWN FOR MATERIAL ITEMS AND EQUATIONS WHERE SUBSTANCE SUBSTANCE FROM THE TO THE DIMENSIONS IN THIS TABLE TO DETERMINE THE MINIMUM SIZE.

2) FOR SIZES NOT SHOWN, ROUND UP TO THE NEXT AVAILABLE SIZE.

PRODUCT RENEWED
in compliance with the Florida Building Code
NOA No. [illegible]
Expiration Date: [illegible]
By: [illegible]
Miami-Dade Product Control

B) NO CHANGES THIS SHEET

LT - Version

ALUMINUM HORIZONTAL SLIDER WINDOWS

DESIGN PRESSURE TABLES

PGT

[illegible]

[illegible]

[illegible]

[illegible]

Operator Version	Panel Configuration	Panel Width Range (in)	Design Pressure (lbs/ft²) for XO# Windows										Glass Types 3, 10, 11 Missing Rail: Standard			
			21 1/8" Overall Hgt.		33" Overall Hgt.		45" Overall Hgt.		61" Overall Hgt.		81" Overall Hgt.		101" Overall Hgt.			
40"	[illegible]	[illegible] - 12.032	+60.0	-110.0	+64.0	+110.0	-60.0	-110.0	+60.0	-114.0	+60.0	-114.0	+60.0	-110.0		
	[illegible]	12.033 - 15.000	+60.0	-110.0	+58.5	-110.0	-60.0	-110.0	+60.0	-114.0	+60.0	-114.0	+60.0	-110.0		
48"	[illegible]	[illegible] - 13.262	+60.0	-110.0	+64.0	-110.0	+60.0	-110.0	+60.0	-114.0	+60.0	-114.0	+60.0	-110.0		
	[illegible]	13.385 - 15.375	+60.0	-110.0	+58.5	-110.0	-60.0	-110.0	+60.0	-114.0	+60.0	-114.0	+60.0	-110.0		
60"	[illegible]	[illegible] - 14.233	+60.0	-110.0	+64.0	-110.0	+60.0	-110.0	+60.0	-114.0	+60.0	-114.0	+60.0	-110.0		
	[illegible]	14.334 - 16.000	+60.0	-110.0	+58.0	-110.0	-60.0	-110.0	+60.0	-114.0	+60.0	-114.0	+60.0	-110.0		
72"	[illegible]	[illegible] - 16.312	+60.0	-110.0	+64.0	-110.0	+60.0	-110.0	+60.0	-114.0	+60.0	-114.0	+60.0	-110.0		
	[illegible]	16.365 - 20.078	+60.0	-110.0	+58.0	-110.0	-60.0	-110.0	+60.0	-114.0	+60.0	-114.0	+60.0	-110.0		
96"	[illegible]	[illegible] - 20.250	+60.0	-110.0	+64.0	-110.0	+60.0	-110.0	+60.0	-114.0	+60.0	-114.0	+60.0	-86.3		
	[illegible]	[illegible] - 22.125	+60.0	-110.0	+60.0	-110.0	-60.0	-110.0	+60.0	-114.0	+60.0	-114.0	+60.0	-110.0		
	[illegible]	22.126 - 23.979	+60.0	-110.0	+58.5	-110.0	-60.0	-110.0	+60.0	-114.0	+60.0	-114.0	+60.0	-110.0		
102-1/2"	[illegible]	[illegible] - 24.240	+60.0	-110.0	+64.0	-110.0	+60.0	-110.0	+60.0	-114.0	+60.0	-114.0	+60.0	-96.4		
	[illegible]	24.241 - 26.187	+60.0	-110.0	+60.0	-110.0	-60.0	-110.0	-60.0	-114.0	+60.0	-114.0	+60.0	-91.2		
	[illegible]	26.188 - 27.749	+60.0	-110.0	+58.0	-110.0	-60.0	-110.0	+60.0	-114.0	+60.0	-114.0	+60.0	-103.3		
96"	[illegible]	[illegible] - 25.304	+60.0	-110.0	+64.0	-110.0	-60.0	-110.0	+60.0	-114.0	+60.0	-114.0	+60.0	-96.0		
	[illegible]	25.305 - 27.165	+60.0	-110.0	+60.0	-110.0	-60.0	-110.0	-60.0	-114.0	+60.0	-114.0	+60.0	-102.7		
	[illegible]	27.166 - 28.873	+60.0	-110.0	+58.0	-110.0	-60.0	-110.0	+60.0	-114.0	+60.0	-114.0	+60.0	-96.3		
108"	[illegible]	[illegible] - 26.304	+60.0	-110.0	+64.0	-110.0	-60.0	-110.0	+60.0	-114.0	+60.0	-114.0	+60.0	-96.0		
	[illegible]	26.305 - 28.165	+60.0	-110.0	+60.0	-110.0	-60.0	-110.0	-60.0	-114.0	+60.0	-114.0	+60.0	-102.7		
	[illegible]	28.166 - 29.873	+60.0	-110.0	+58.0	-110.0	-60.0	-110.0	+60.0	-114.0	+60.0	-114.0	+60.0	-96.3		
114-3/16"	[illegible]	[illegible] - 27.802	+60.0	-110.0	+64.0	-110.0	+60.0	-110.0	+60.0	-114.0	+60.0	-114.0	+60.0	-96.0		
	[illegible]	27.464 - 29.165	+60.0	-110.0	+60.0	-110.0	-60.0	-110.0	-60.0	-114.0	+60.0	-114.0	+60.0	-94.1		
	[illegible]	29.166 - 30.625	+60.0	-110.0	+58.0	-110.0	-60.0	-110.0	+60.0	-114.0	+60.0	-114.0	+60.0	-90.3		
120"	[illegible]	[illegible] - 31.250	+60.0	-110.0	+64.0	-110.0	+60.0	-110.0	+60.0	-114.0	+60.0	-114.0	+60.0	-96.0		
	[illegible]	31.251 - 33.188	+60.0	-110.0	+60.0	-110.0	-60.0	-110.0	-60.0	-114.0	+60.0	-114.0	+60.0	-97.5		
	[illegible]	33.189 - 34.250	+60.0	-110.0	+58.0	-110.0	-60.0	-110.0	+60.0	-114.0	+60.0	-114.0	+60.0	-94.6		

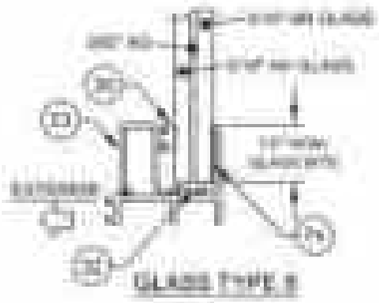
[illegible] = OVERALL WIDTH - 49.5/8"

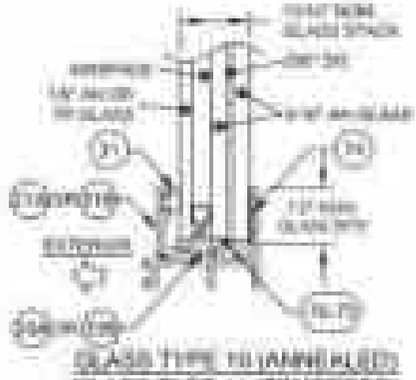
[illegible] = OVERALL WIDTH - 57.5/8"

NOTES:

1) OVERALL (TIP TO TIP) DIMENSIONS SHOWN FOR EQUAL LEG MUNTINS. SUBTRACT 1" FROM THE "W" TO "W" DIMENSION IN THE TABLE TO DETERMINE THE VIEWING SIZE.

2) FOR SIZES NOT SHOWN, ROUND UP TO THE NEXT AVAILABLE SIZE.





GLASS TYPES 3, 10 MAY NOT BE USED WITH INTEGRAL FIN FRAMES

PRODUCT RENEWED
in complying with the Florida Building Code
NOA No. 23-0217.06
Expiration Date: 06.01.2028
By: [illegible]
Miami-Dade Product Control

B) NO CHANGES THIS SHEET

LT - 05/02/23

PGT	
ALUMINUM HORIZ SLIDER WINDOWS	
DESIGN PRESSURE TABLES	
HS-TT10A	
8 OF 8	

MONTALVAN RUIZ
No. 68705
STATE OF FLORIDA
PROFESSIONAL ENGINEER

Overall Width	Sash Quality/Glass	Sash Height Range (in)	Design Pressure (lbs/ft²) for XOX Windows — Glass Types: 9, 12, 13, 14, 15 — Interlayer Red (Standard)											
			21 1/4" Overall Hgt		29" Overall Hgt		37" Overall Hgt		45" Overall Hgt		53" Overall Hgt		61" Overall Hgt	
41"	5/32-5/32-5/8	12 439 - 18 062	+36.3	-51.0	+50.0	-70.0	+63.6	-89.0	+80.9	-113.4	+99.1	-139.0	+97.0	-135.8
	5/32-5/32-3/4	13 093 - 19 026	+36.3	-51.0	+50.0	-70.0	+62.9	-88.0	+80.9	-113.4	+99.1	-139.0	+95.7	-134.0
49"	5/32-5/32-5/8	12 086 - 18 302	+36.3	-51.0	+50.0	-70.0	+63.6	-89.0	+80.9	-113.4	+99.1	-139.0	+96.7	-135.4
	5/32-5/32-3/4	13 801 - 18 875	+36.3	-51.0	+50.0	-70.0	+62.9	-88.0	+80.9	-113.4	+99.1	-139.0	+95.7	-134.0
53 1/16"	5/32-5/32-5/8	12 236 - 14 330	+36.3	-51.0	+50.0	-70.0	+63.6	-89.0	+80.9	-113.4	+99.1	-139.0	+96.7	-135.4
	5/32-5/32-3/4	14 304 - 18 200	+36.3	-51.0	+50.0	-70.0	+63.6	-89.0	+80.9	-113.4	+99.1	-139.0	+96.7	-135.4
57"	5/32-5/32-5/8	12 040 - 14 302	+36.3	-51.0	+50.0	-70.0	+63.6	-89.0	+80.9	-113.4	+99.1	-139.0	+96.7	-135.4
	5/32-5/32-3/4	16 300 - 20 575	+36.3	-51.0	+50.0	-70.0	+63.6	-89.0	+80.9	-113.4	+99.1	-139.0	+96.7	-135.4
61"	5/32-5/32-5/8	12 040 - 20 754	+36.3	-51.0	+50.0	-70.0	+63.6	-89.0	+80.9	-113.4	+99.1	-139.0	+96.7	-135.4
	custom	20 060 - 22 185	+36.3	-51.0	+50.0	-70.0	+63.6	-89.0	+80.9	-113.4	+99.1	-139.0	+96.7	-135.4
	5/32-5/32-3/4	16 196 - 24 574	+36.3	-51.0	+50.0	-70.0	+63.6	-89.0	+80.9	-113.4	+99.1	-139.0	+96.7	-135.4
65 1/16"	5/32-5/32-5/8	** - 24 254	+36.3	-51.0	+50.0	-70.0	+63.6	-89.0	+80.9	-113.4	+99.1	-139.0	+96.7	-135.4
	custom	24 283 - 26 185	+36.3	-51.0	+50.0	-70.0	+63.6	-89.0	+80.9	-113.4	+99.1	-139.0	+96.7	-135.4
	5/32-5/32-3/4	20 196 - 31 549	+36.3	-51.0	+50.0	-70.0	+63.6	-89.0	+80.9	-113.4	+99.1	-139.0	+96.7	-135.4
69"	5/32-5/32-5/8	** - 24 324	+36.3	-51.0	+50.0	-70.0	+63.6	-89.0	+80.9	-113.4	+99.1	-139.0	+96.7	-135.4
	custom	24 283 - 30 185	+36.3	-51.0	+50.0	-70.0	+63.6	-89.0	+80.9	-113.4	+99.1	-139.0	+96.7	-135.4
	5/32-5/32-3/4	20 196 - 36 575	+36.3	-51.0	+50.0	-70.0	+63.6	-89.0	+80.9	-113.4	+99.1	-139.0	+96.7	-135.4
73 1/16"	5/32-5/32-5/8	** - 24 462	+36.3	-51.0	+50.0	-70.0	+63.6	-89.0	+80.9	-113.4	+99.1	-139.0	+96.7	-135.4
	custom	24 484 - 25 185	+36.3	-51.0	+50.0	-70.0	+63.6	-89.0	+80.9	-113.4	+99.1	-139.0	+96.7	-135.4
	5/32-5/32-3/4	23 196 - 36 575	+36.3	-51.0	+50.0	-70.0	+63.6	-89.0	+80.9	-113.4	+99.1	-139.0	+96.7	-135.4
101"	5/32-5/32-3/4	** - 31 254	+36.3	-51.0	+50.0	-70.0	+63.6	-89.0	+80.9	-113.4	+99.1	-139.0	+96.7	-135.4
	custom	31 283 - 35 185	+36.3	-51.0	+50.0	-70.0	+63.6	-89.0	+80.9	-113.4	+99.1	-139.0	+96.7	-135.4
	custom	32 196 - 36 575	+36.3	-51.0	+50.0	-70.0	+63.6	-89.0	+80.9	-113.4	+99.1	-139.0	+96.7	-135.4

* MIN. SASH WIDTH (LARGE SASH) = OVERALL WIDTH - 20 3/8
2

** MIN. SASH WIDTH (EQUAL LITE WINDOW) = OVERALL WIDTH - 20 3/8
3

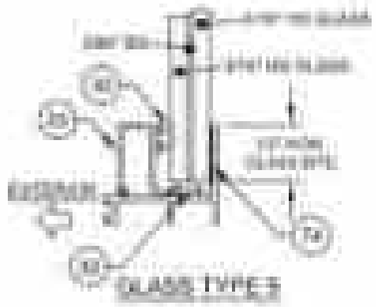
*** SEE 9 FOR GLASS TYPES 9, 12, 13 & 15

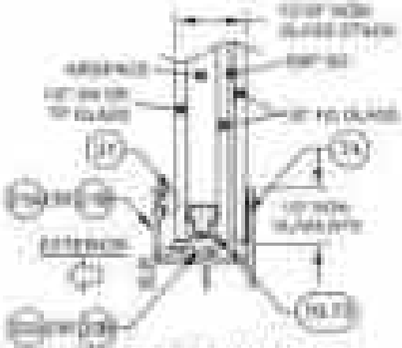
GLASS TYPES 9, 12 MAY NOT BE USED WITH INTERIOR TYPE TRANSOM

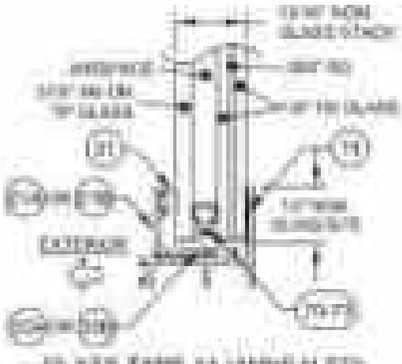
NOTES:

1) OVERALL (TIP TO TIP) DIMENSIONS SHOWN FOR EQUAL LITE MASONRY SUBSTRATE (1" FROM FACE TAB TO TIP DIMENSION IN THE TABLE) TO DETERMINE THE MINIMUM SIZE.

2) FOR SIZES NOT SHOWN, ROUND UP TO THE NEXT AVAILABLE SIZE.







PRODUCT RENEWED
in compliance with the Florida Building Code
NOA No. 23-0217.06
Expiration Date: 06/01/2028
By: [illegible]
Miami-Dade Product Control

B) NO CHANGES THIS SHEET

LT - 09/02/23

IGT

ALUMINUM HORIZ. ROLLER (HSTA)

IMPACT/NON IMPACT

DESIGN PRESSURE TABLES

DRAWN: [illegible]

CHECKED: [illegible]

SCALE: 1 1/2" = 1'-0"

SHEET NO. 7 OF 9

HS-TT12A

REGISTERED ARCHITECT
STATE OF FLORIDA
PROFESSIONAL ENGINEER

TABLE 12

Overall Width	Anchor Quantities for XO & OX Windows — Glass Types: 1 thru 7, Meeting Rail: Standard									
	21'-11" Overall Hgt.		37" Overall Hgt.		49" Overall Hgt.		53" Overall Hgt.		61" Overall Hgt.	
	Head & Sill	Qty.	Head & Sill	Qty.	Head & Sill	Qty.	Head & Sill	Qty.	Head & Sill	Qty.
33"	1+C2+1	4	1+C2+1	4	1+C2+1	4	1+C2+1	4	1+C2+1	4
39"	1+C2+1	4	1+C2+1	4	1+C2+1	4	1+C2+1	4	1+C2+1	4
45"	1+C2+1	4	1+C2+1	4	1+C2+1	4	1+C2+1	4	1+C2+1	4
51"	1+C2+1	4	1+C2+1	4	1+C2+1	4	1+C2+1	4	1+C2+1	4
57"	1+C2+1	4	1+C2+1	4	1+C2+1	4	1+C2+1	4	1+C2+1	4
63"	1+C2+1	4	1+C2+1	4	1+C2+1	4	1+C2+1	4	1+C2+1*	4
69"	1+C2+1	4	1+C2+1	4	1+C2+1	4	1+C2+1	4	1+C2+1*	4

*SEE NOTE 1 ON SHEET 1 OF 2

TABLE 13

Overall Width	Anchor Quantities for XO & OX Windows — Glass Types: 8 thru 15, Meeting Rail: Standard									
	21'-11" Overall Hgt.		37" Overall Hgt.		49" Overall Hgt.		53" Overall Hgt.		61" Overall Hgt.	
	Head & Sill	Qty.	Head & Sill	Qty.	Head & Sill	Qty.	Head & Sill	Qty.	Head & Sill	Qty.
33"	1+C2+1	4	1+C2+1	4	1+C2+1	4	1+C2+1	4	1+C2+1	4
39"	1+C2+1	4	1+C2+1	4	1+C2+1	4	1+C2+1	4	1+C2+1	4
45"	1+C2+1	4	1+C2+1	4	1+C2+1	4	1+C2+1	4	1+C2+1	4
51"	1+C2+1	4	1+C2+1	4	1+C2+1	4	1+C2+1	4	1+C2+1	4
57"	1+C2+1	4	1+C2+1	4	1+C2+1	4	1+C2+1	4	1+C2+1	4
63"	1+C2+1	4	2+C2+2	6	2+C2+2	6	2+C2+2	6	2+C2+2	6
69"	2+C2+2	6	2+C2+2	6	2+C2+2	6	2+C2+2	6	2+C2+2	6

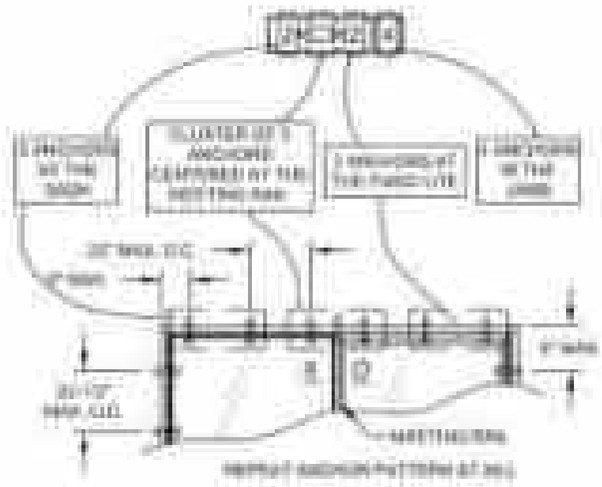
TABLE 14

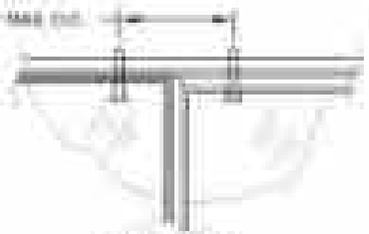
Overall Width	Anchor Quantities for XO & OX Windows — Glass Types: 9 thru 19, Meeting Rail: Interlock									
	21'-11" Overall Hgt.		37" Overall Hgt.		49" Overall Hgt.		53" Overall Hgt.		61" Overall Hgt.	
	Head & Sill	Qty.	Head & Sill	Qty.	Head & Sill	Qty.	Head & Sill	Qty.	Head & Sill	Qty.
33"	1+C2+1	4	1+C2+1	4	1+C2+1	4	1+C2+1	4	1+C2+1	4
39"	1+C2+1	4	1+C2+1	4	1+C2+1	4	1+C2+1	4	1+C2+1	4
45"	1+C2+1	4	1+C2+1	4	1+C2+1	4	1+C2+1	4	1+C2+1	4
51"	1+C2+1	4	1+C2+1	4	1+C2+1	4	1+C2+1	4	1+C2+1	4
57"	1+C2+1	4	1+C2+1	4	1+C2+1	4	1+C2+1	4	1+C2+1	4
63"	1+C2+1	4	2+C2+2	6	2+C2+2	6	2+C2+2	6	2+C2+2	6
69"	2+C2+2	6	2+C2+2	6	2+C2+2	6	2+C2+2	6	2+C2+2	6

TABLE 15

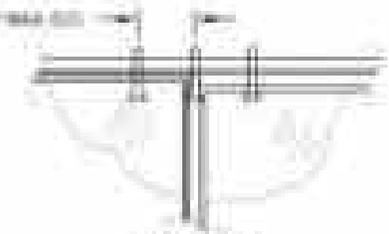
Overall Width	Anchor Quantities for XO & OX Windows — Glass Types: 20 thru 29, Meeting Rail: Interlock									
	21'-11" Overall Hgt.		37" Overall Hgt.		49" Overall Hgt.		53" Overall Hgt.		61" Overall Hgt.	
	Head & Sill	Qty.	Head & Sill	Qty.	Head & Sill	Qty.	Head & Sill	Qty.	Head & Sill	Qty.
33"	1+C2+1	4	1+C2+1	4	1+C2+1	4	1+C2+1	4	1+C2+1	4
39"	1+C2+1	4	1+C2+1	4	1+C2+1	4	1+C2+1	4	1+C2+1	4
45"	1+C2+1	4	1+C2+1	4	1+C2+1	4	1+C2+1	4	1+C2+1	4
51"	1+C2+1	4	1+C2+1	4	1+C2+1	4	1+C2+1	4	1+C2+1	4
57"	1+C2+1	4	2+C2+2	6	2+C2+2	6	2+C2+2	6	2+C2+2	6
63"	2+C2+2	6	2+C2+2	6	2+C2+2	6	2+C2+2	6	2+C2+2	6
69"	2+C2+2	6	2+C2+2	6	2+C2+2	6	2+C2+2	6	2+C2+2	6

GUIDE TO USING ANCHOR QUANTITY TABLES FOR XO/OX WINDOWS

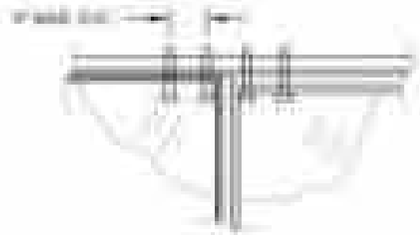




2-ANCHOR CLUSTER DETAIL



3-ANCHOR CLUSTER DETAIL



4-ANCHOR CLUSTER DETAIL

NOTES:

1) OVERALL DIP TO FIT DIMENSION SHOWN. FOR EQUAL LEG WINDOWS, SUBTRACT 1" FROM DIP TO FIT DIMENSION IN THE TABLE TO DETERMINE THE WIDTH SIZE.

2) FOR SIZES NOT SHOWN, ROUND UP TO THE NEXT AVAILABLE SIZE.

PRODUCT RENEWED
as complying with the Florida Building Code
NOA No. 23-0707.06
Expiration Date: 08/01/2028
By: Miami-Dade Product Control

B) NO CHANGES THIS SHEET

LT - 09/22/23

ALUMINUM HORIZONTAL ROLLER INSTALLATION	
ANCHOR QUANTITY TABLES	
CENTRAL LUMBER HOUSE	
1 OF 2 SHEETS	
1	

PGT



TABLE 1A

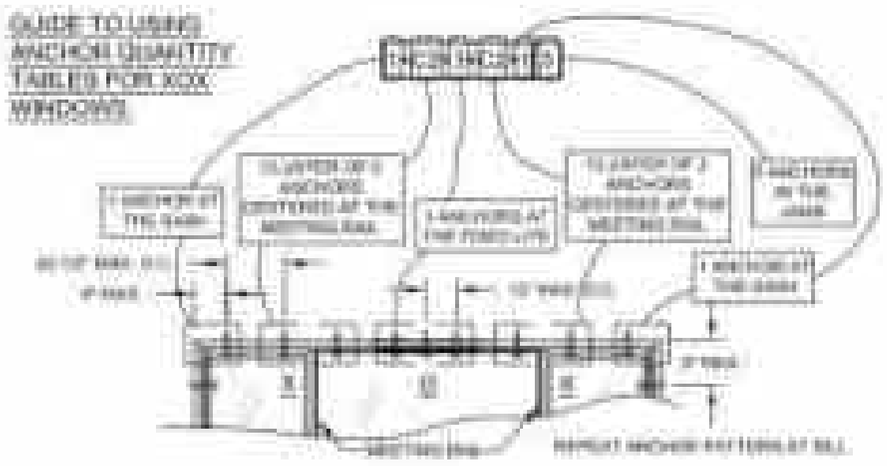
Overall Width	Unit Configuration	Unit Width Range (in.)	Anchor Quantities for XOX Windows — Design Pressure (DP) / Positive Test Pressure											
			+15.0 psf / -15.0 psf		+20.0 psf / -20.0 psf		+25.0 psf / -25.0 psf		+30.0 psf / -30.0 psf		+35.0 psf / -35.0 psf	
			Head & Sill	Jamb	Head & Sill	Jamb	Head & Sill	Jamb	Head & Sill	Jamb	Head & Sill	Jamb
48"	1/0-1/0-1/0	144.00 - 144.00	4+0/4+0/4+1	3	4+0/4+0/4+1	3	4+0/4+0/4+1	3	4+0/4+0/4+1	3	4+0/4+0/4+1	3
	1/0-1/0-1/0	144.01 - 192.00	4+0/4+0/4+1	3	4+0/4+0/4+1	3	4+0/4+0/4+1	3	4+0/4+0/4+1	3	4+0/4+0/4+1	3
60"	1/0-1/0-1/0	192.00 - 216.00	5+0/5+0/5+1	3	5+0/5+0/5+1	3	5+0/5+0/5+1	3	5+0/5+0/5+1	3	5+0/5+0/5+1	3
	1/0-1/0-1/0	216.01 - 240.00	5+0/5+0/5+1	3	5+0/5+0/5+1	3	5+0/5+0/5+1	3	5+0/5+0/5+1	3	5+0/5+0/5+1	3
72 1/2"	1/0-1/0-1/0	216.00 - 240.00	5+0/5+0/5+1	3	5+0/5+0/5+1	3	5+0/5+0/5+1	3	5+0/5+0/5+1	3	5+0/5+0/5+1	3
	1/0-1/0-1/0	240.01 - 288.00	6+0/6+0/6+1	3	6+0/6+0/6+1	3	6+0/6+0/6+1	3	6+0/6+0/6+1	3	6+0/6+0/6+1	3
84"	1/0-1/0-1/0	240.00 - 264.00	6+0/6+0/6+1	3	6+0/6+0/6+1	3	6+0/6+0/6+1	3	6+0/6+0/6+1	3	6+0/6+0/6+1	3
	1/0-1/0-1/0	264.01 - 312.00	7+0/7+0/7+1	3	7+0/7+0/7+1	3	7+0/7+0/7+1	3	7+0/7+0/7+1	3	7+0/7+0/7+1	3
96"	1/0-1/0-1/0	288.00 - 312.00	7+0/7+0/7+1	3	7+0/7+0/7+1	3	7+0/7+0/7+1	3	7+0/7+0/7+1	3	7+0/7+0/7+1	3
	1/0-1/0-1/0	312.01 - 360.00	8+0/8+0/8+1	3	8+0/8+0/8+1	3	8+0/8+0/8+1	3	8+0/8+0/8+1	3	8+0/8+0/8+1	3
108"	1/0-1/0-1/0	336.00 - 360.00	8+0/8+0/8+1	3	8+0/8+0/8+1	3	8+0/8+0/8+1	3	8+0/8+0/8+1	3	8+0/8+0/8+1	3
	1/0-1/0-1/0	360.01 - 408.00	9+0/9+0/9+1	3	9+0/9+0/9+1	3	9+0/9+0/9+1	3	9+0/9+0/9+1	3	9+0/9+0/9+1	3
120"	1/0-1/0-1/0	360.00 - 384.00	9+0/9+0/9+1	3	9+0/9+0/9+1	3	9+0/9+0/9+1	3	9+0/9+0/9+1	3	9+0/9+0/9+1	3
	1/0-1/0-1/0	384.01 - 432.00	10+0/10+0/10+1	3	10+0/10+0/10+1	3	10+0/10+0/10+1	3	10+0/10+0/10+1	3	10+0/10+0/10+1	3
132"	1/0-1/0-1/0	408.00 - 432.00	10+0/10+0/10+1	3	10+0/10+0/10+1	3	10+0/10+0/10+1	3	10+0/10+0/10+1	3	10+0/10+0/10+1	3
	1/0-1/0-1/0	432.01 - 480.00	11+0/11+0/11+1	3	11+0/11+0/11+1	3	11+0/11+0/11+1	3	11+0/11+0/11+1	3	11+0/11+0/11+1	3
144"	1/0-1/0-1/0	480.00 - 504.00	11+0/11+0/11+1	3	11+0/11+0/11+1	3	11+0/11+0/11+1	3	11+0/11+0/11+1	3	11+0/11+0/11+1	3
	1/0-1/0-1/0	504.01 - 576.00	12+0/12+0/12+1	3	12+0/12+0/12+1	3	12+0/12+0/12+1	3	12+0/12+0/12+1	3	12+0/12+0/12+1	3
168"	1/0-1/0-1/0	504.00 - 576.00	12+0/12+0/12+1	3	12+0/12+0/12+1	3	12+0/12+0/12+1	3	12+0/12+0/12+1	3	12+0/12+0/12+1	3

[illegible] Quantity based on physical measurements = 2X/4X/6X, 2X/2X/4X, 2X/2X/6X.

[illegible] Quantity based on glass + 1/2 dimensions = 2X/4X/6X, 2X/2X/4X, 2X/2X/6X.



GUIDE TO USING ANCHOR QUANTITY TABLES FOR XOX WINDOWS



NOTES:

1) OVERALL SIZE TO TYP DIMENSIONS SHOWN FOR EQUAL LITE WINDOWS. SUBTRACT 1/4 INCH FOR 1/8 TYP DIMENSION IN THE TABLE TO DETERMINE THE WINDOW SIZE.

2) FOR SIZES NOT SHOWN, ROUND UP TO THE NEXT AVAILABLE SIZE.

PRODUCT RENEWED
in compliance with the Florida Building Code
NOA No. 23-0217.06
Expiration Date: 08.03.2028
By: [illegible]
Miami-Dade Product Control

8) NO CHANGES THIS SHEET.

LT - 09/02/23

PGT

ALUMINUM HORIZ. ROLLER INSTALL. WINDOWS

ANCHOR QUANTITY CHART

DRAWING NO. 1

SCALE: NTS

DATE: 10/15/19



TABLE 1A

Anchor Quantities for ADX Windows

Table Notes: 2, 3 & 7
Marking Key: Jamb/Head

Overall Width	Jamb Configuration	Rough Opening (in)	21'-10" Overall Ht.		30" Overall Ht.		38" Overall Ht.		46" Overall Ht.		58" Overall Ht.		82" Overall Ht.	
			Head & Sill	Mull	Head & Sill	Mull	Head & Sill	Mull	Head & Sill	Mull	Head & Sill	Mull	Head & Sill	Mull
48"														
48"														
53 1/8"														
61"														
70"														
	Available													
82 1/8"		"												
	Available													
94"		"												
	Available													
117 3/16"		"												
	Available													
129"		"												
	Available													
	Available													

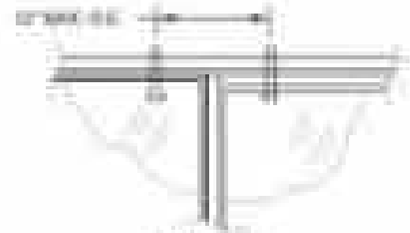
[1] MIN. RIGH WIDTH (F) SAME WINDOW = OVERALL WIDTH - 10 7/8
2

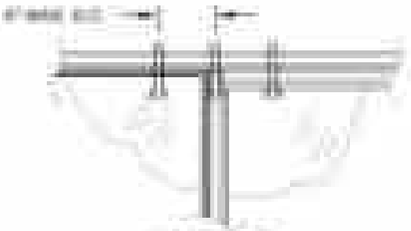
[2] MIN. RIGH WIDTH (EQUAL LEG WINDOW) = OVERALL WIDTH - 21 7/8
2

NOTES:

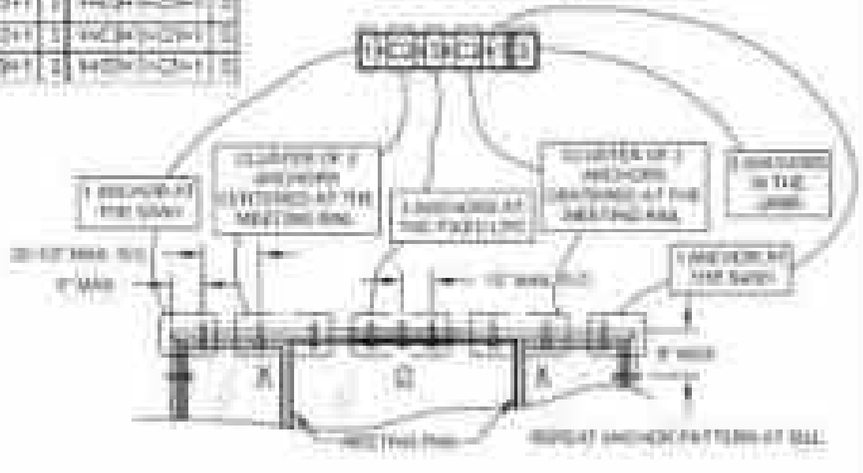
1) OVERALL (TOP TO TOP) DIMENSIONS SHOWN FOR EQUAL LEG WINDOWS. SUBTRACT 1" FROM THE TOP TO TOP DIMENSION IN THE TABLE TO OBTAIN THE MINIMUM SIZE.

2) FOR SIZES NOT SHOWN, ROUND UP TO THE NEXT AVAILABLE SIZE.





GUIDE TO USING ANCHOR QUANTITY TABLES FOR ADX WINDOWS



PRODUCT RENEWED
in complying with the Florida Building Code
NOA No. 23-0707.06
Expiration Date: 08/01/2028
By: Miami-Dade Product Control

B) NO CHANGES THIS SHEET

LT - 09/20/23

IGT

ANDERSEN HORIZONTAL SLIDING WINDOWS

ANCHOR QUANTITY TABLES

ADX TABLE 1A

ANTHONY LYNN MILLER
No. 68704
STATE OF FLORIDA
PROFESSIONAL ENGINEER

TABLE 1*

Overall Width	Sash Configuration	DP Rating (Width, Height) (in)	Anchor Quantities for XOX Windows (Refer Types 1 & 1A for Nailing Pitch Schedule)											
			15' / 45° Corner Leg: Head & Sill	Qty	25° Corner Leg: Head & Sill	Qty	45° Corner Leg: Head & Sill	Qty	90° Corner Leg: Head & Sill	Qty	45° Corner Leg: Head & Jamb	Qty	90° Corner Leg: Head & Jamb	Qty
84"	XO-12-XO		1+3+1=5	2	1+5+1=7	2	1+5+1=7	2	1+4+1=6	2	1+5+1=7	2	1+5+1=7	2
	XO-15-XO		1+4+1=6	2	1+6+1=8	2	1+6+1=8	2	1+5+1=7	2	1+6+1=8	2	1+6+1=8	2
96"	XO-12-XO		1+3+1=5	2	1+5+1=7	2	1+5+1=7	2	1+4+1=6	2	1+5+1=7	2	1+5+1=7	2
	XO-15-XO		1+4+1=6	2	1+6+1=8	2	1+6+1=8	2	1+5+1=7	2	1+6+1=8	2	1+6+1=8	2
108 1/8"	XO-12-XO		1+3+1=5	2	1+5+1=7	2	1+5+1=7	2	1+4+1=6	2	1+5+1=7	2	1+5+1=7	2
	XO-15-XO		1+4+1=6	2	1+6+1=8	2	1+6+1=8	2	1+5+1=7	2	1+6+1=8	2	1+6+1=8	2
84"	XO-12-XO		1+3+1=5	2	1+5+1=7	2	1+5+1=7	2	1+4+1=6	2	1+5+1=7	2	1+5+1=7	2
	XO-15-XO		1+4+1=6	2	1+6+1=8	2	1+6+1=8	2	1+5+1=7	2	1+6+1=8	2	1+6+1=8	2
96"	XO-12-XO		1+3+1=5	2	1+5+1=7	2	1+5+1=7	2	1+4+1=6	2	1+5+1=7	2	1+5+1=7	2
	custom		1+3+1=5	2	1+5+1=7	2	1+5+1=7	2	1+4+1=6	2	1+5+1=7	2	1+5+1=7	2
	XO-15-XO		1+4+1=6	2	1+6+1=8	2	1+6+1=8	2	1+5+1=7	2	1+6+1=8	2	1+6+1=8	2
120 1/8"	XO-12-XO	" - 84.992	1+3+1=5	2	1+5+1=7	2	1+5+1=7	2	1+4+1=6	2	1+5+1=7	2	1+5+1=7	2
	custom	85.000 - 96.765	1+3+1=5	2	1+5+1=7	2	1+5+1=7	2	1+4+1=6	2	1+5+1=7	2	1+5+1=7	2
	XO-15-XO	96.766 - 71.949	1+3+1=5	2	1+5+1=7	2	1+5+1=7	2	1+4+1=6	2	1+5+1=7	2	1+5+1=7	2
96"	XO-12-XO	" - 85.913	1+3+1=5	2	1+5+1=7	2	1+5+1=7	2	1+4+1=6	2	1+5+1=7	2	1+5+1=7	2
	custom	85.914 - 91.165	1+3+1=5	2	1+5+1=7	2	1+5+1=7	2	1+4+1=6	2	1+5+1=7	2	1+5+1=7	2
	XO-15-XO	91.166 - 96.417	1+3+1=5	2	1+5+1=7	2	1+5+1=7	2	1+4+1=6	2	1+5+1=7	2	1+5+1=7	2
108"	XO-12-XO	" - 85.913	1+3+1=5	2	1+5+1=7	2	1+5+1=7	2	1+4+1=6	2	1+5+1=7	2	1+5+1=7	2
	custom	85.914 - 91.165	1+3+1=5	2	1+5+1=7	2	1+5+1=7	2	1+4+1=6	2	1+5+1=7	2	1+5+1=7	2
	XO-15-XO	91.166 - 96.417	1+3+1=5	2	1+5+1=7	2	1+5+1=7	2	1+4+1=6	2	1+5+1=7	2	1+5+1=7	2
120"	XO-12-XO	" - 85.913	1+3+1=5	2	1+5+1=7	2	1+5+1=7	2	1+4+1=6	2	1+5+1=7	2	1+5+1=7	2
	custom	85.914 - 91.165	1+3+1=5	2	1+5+1=7	2	1+5+1=7	2	1+4+1=6	2	1+5+1=7	2	1+5+1=7	2
	XO-15-XO	91.166 - 96.417	2+3+2=7	4	2+5+2=9	4	2+5+2=9	4	2+4+2=8	4	2+5+2=9	4	2+5+2=9	4

* Use "sash width (change dimension)" = OVERALL WIDTH - 28.000 / 2

* Use "sash width (equal left/right)" = OVERALL WIDTH - 57.000 / 2

NOTES:

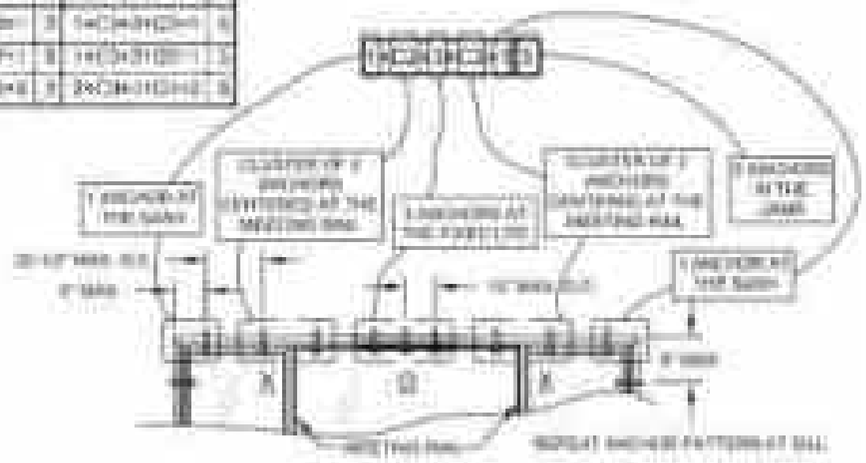
1) OVERALL (TIP TO TIP) DIMENSIONS SHOWN FOR EQUAL LEG MOVING. SUBTRACT 1/2 FROM THE "W" OR "H" DIMENSION IN THE TABLE TO DETERMINE THE MINIMUM SIZE.

2) FOR SIZES NOT SHOWN, ROUND UP TO THE NEXT AVAILABLE SIZE.





GUIDE TO USING ANCHOR QUANTITY TABLES FOR XOX WINDOWS:



PRODUCT RENEWED
in complying with the Florida Building Code
NOA No. 23-0707.06
Expiration Date: 08/01/2028
By: Miami-Dade Product Control

8) NO CHANGES THIS SHEET

LT - 08/02/23

IGT

ANCHOR QUANTITY TABLES

ALUMINUM HORIZONTAL ROLLER WINDOWS

ENGINEERING

DATE: 11/15/2021

SCALE: NTS

SHEET NO.: 11

REGISTERED ENGINEER
STATE OF FLORIDA

Table 1a

Anchor Quantities for EOR Windows

Overall Width	Sash Configuration	Rough Opening Height (in.)	21-1/8" Overall Height		33" Overall Height		57" Overall Height		69" Overall Height		81" Overall Height	
			Head & Sill	Jamb	Head & Sill	Jamb	Head & Sill	Jamb	Head & Sill	Jamb	Head & Sill	Jamb
24"	3-0-3	17 3/8 - 19 3/8	1+0:0+1:0+1	2	1+0:0+1:0+1	2	1+0:0+1:0+1	2	1+0:0+1:0+1	2	1+0:0+1:0+1	2
	2-0-2	19 7/8 - 21 7/8	1+0:0+1:0+1	2	1+0:0+1:0+1	2	1+0:0+1:0+1	2	1+0:0+1:0+1	2	1+0:0+1:0+1	2
30"	3-0-3	17 3/8 - 19 3/8	1+0:0+1:0+1	2	1+0:0+1:0+1	2	1+0:0+1:0+1	2	1+0:0+1:0+1	2	1+0:0+1:0+1	2
	2-0-2	19 7/8 - 21 7/8	1+0:0+1:0+1	2	1+0:0+1:0+1	2	1+0:0+1:0+1	2	1+0:0+1:0+1	2	1+0:0+1:0+1	2
35 1/2"	3-0-3	17 3/8 - 19 3/8	1+0:0+1:0+1	2	1+0:0+1:0+1	2	1+0:0+1:0+1	2	1+0:0+1:0+1	2	1+0:0+1:0+1	2
	2-0-2	19 7/8 - 21 7/8	1+0:0+1:0+1	2	1+0:0+1:0+1	2	1+0:0+1:0+1	2	1+0:0+1:0+1	2	1+0:0+1:0+1	2
36"	3-0-3	17 3/8 - 19 3/8	1+0:0+1:0+1	2	1+0:0+1:0+1	2	1+0:0+1:0+1	2	1+0:0+1:0+1	2	1+0:0+1:0+1	2
	2-0-2	19 7/8 - 21 7/8	1+0:0+1:0+1	2	1+0:0+1:0+1	2	1+0:0+1:0+1	2	1+0:0+1:0+1	2	1+0:0+1:0+1	2
47 1/2"	3-0-3	17 3/8 - 19 3/8	1+0:0+1:0+1	2	1+0:0+1:0+1	2	1+0:0+1:0+1	2	1+0:0+1:0+1	2	1+0:0+1:0+1	2
	2-0-2	19 7/8 - 21 7/8	1+0:0+1:0+1	2	1+0:0+1:0+1	2	1+0:0+1:0+1	2	1+0:0+1:0+1	2	1+0:0+1:0+1	2
48"	3-0-3	17 3/8 - 19 3/8	1+0:0+1:0+1	2	1+0:0+1:0+1	2	1+0:0+1:0+1	2	1+0:0+1:0+1	2	1+0:0+1:0+1	2
	2-0-2	19 7/8 - 21 7/8	1+0:0+1:0+1	2	1+0:0+1:0+1	2	1+0:0+1:0+1	2	1+0:0+1:0+1	2	1+0:0+1:0+1	2
59 1/2"	3-0-3	17 3/8 - 19 3/8	1+0:0+1:0+1	2	1+0:0+1:0+1	2	1+0:0+1:0+1	2	1+0:0+1:0+1	2	1+0:0+1:0+1	2
	2-0-2	19 7/8 - 21 7/8	1+0:0+1:0+1	2	1+0:0+1:0+1	2	1+0:0+1:0+1	2	1+0:0+1:0+1	2	1+0:0+1:0+1	2
60"	3-0-3	17 3/8 - 19 3/8	1+0:0+1:0+1	2	1+0:0+1:0+1	2	1+0:0+1:0+1	2	1+0:0+1:0+1	2	1+0:0+1:0+1	2
	2-0-2	19 7/8 - 21 7/8	1+0:0+1:0+1	2	1+0:0+1:0+1	2	1+0:0+1:0+1	2	1+0:0+1:0+1	2	1+0:0+1:0+1	2
71"	3-0-3	17 3/8 - 19 3/8	1+0:0+1:0+1	2	1+0:0+1:0+1	2	1+0:0+1:0+1	2	1+0:0+1:0+1	2	1+0:0+1:0+1	2
	2-0-2	19 7/8 - 21 7/8	1+0:0+1:0+1	2	1+0:0+1:0+1	2	1+0:0+1:0+1	2	1+0:0+1:0+1	2	1+0:0+1:0+1	2
72"	3-0-3	17 3/8 - 19 3/8	1+0:0+1:0+1	2	1+0:0+1:0+1	2	1+0:0+1:0+1	2	1+0:0+1:0+1	2	1+0:0+1:0+1	2
	2-0-2	19 7/8 - 21 7/8	1+0:0+1:0+1	2	1+0:0+1:0+1	2	1+0:0+1:0+1	2	1+0:0+1:0+1	2	1+0:0+1:0+1	2
83"	3-0-3	17 3/8 - 19 3/8	1+0:0+1:0+1	2	1+0:0+1:0+1	2	1+0:0+1:0+1	2	1+0:0+1:0+1	2	1+0:0+1:0+1	2
	2-0-2	19 7/8 - 21 7/8	1+0:0+1:0+1	2	1+0:0+1:0+1	2	1+0:0+1:0+1	2	1+0:0+1:0+1	2	1+0:0+1:0+1	2
84"	3-0-3	17 3/8 - 19 3/8	1+0:0+1:0+1	2	1+0:0+1:0+1	2	1+0:0+1:0+1	2	1+0:0+1:0+1	2	1+0:0+1:0+1	2
	2-0-2	19 7/8 - 21 7/8	1+0:0+1:0+1	2	1+0:0+1:0+1	2	1+0:0+1:0+1	2	1+0:0+1:0+1	2	1+0:0+1:0+1	2
95"	3-0-3	17 3/8 - 19 3/8	1+0:0+1:0+1	2	1+0:0+1:0+1	2	1+0:0+1:0+1	2	1+0:0+1:0+1	2	1+0:0+1:0+1	2
	2-0-2	19 7/8 - 21 7/8	1+0:0+1:0+1	2	1+0:0+1:0+1	2	1+0:0+1:0+1	2	1+0:0+1:0+1	2	1+0:0+1:0+1	2

[1] MIN. SASH WIDTH (CLOSE SASH/JAMB) = OVERALL WIDTH - 29 3/8".

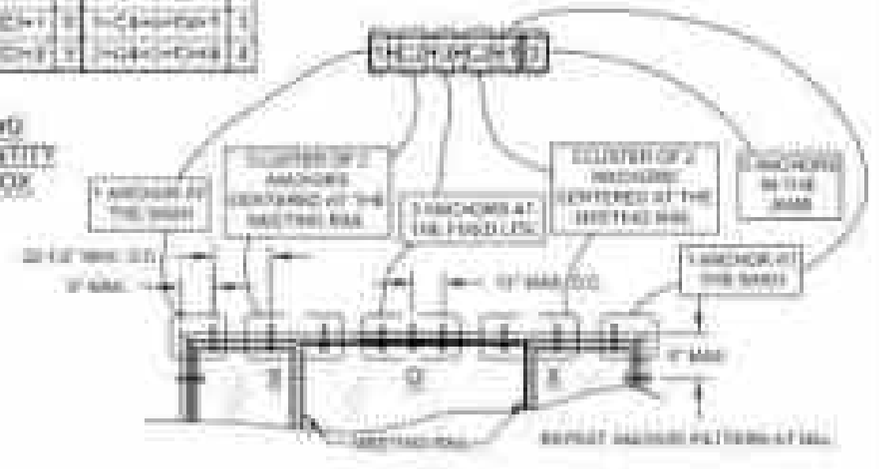
[2] MIN. SASH WIDTH (EQUAL LITE MASONRY) = OVERALL WIDTH - 31 3/8".







GUIDE TO USING ANCHOR QUANTITY TABLES FOR EOR WINDOWS



NOTES:

1) OVERALL LITE TO LITE DIMENSIONS SHOWN FOR EQUAL LITE MASONRY. SUBTRACT 1" FROM THE TOTAL DIMENSION IN THE TABLE TO DETERMINE THE UNEVEN SIDE.

2) FOR SIZES NOT SHOWN, ROUND UP TO THE NEXT AVAILABLE SIZE.

PRODUCT RENEWED
as complying with the Florida Building Code
NOA No. 23-0707.06
Expiration Date: 08.01.2028
By: Miami-Dade Product Control

B) NO CHANGES THIS SHEET

LT - 08/02/23

PGT

ALUMINUM HOME ACCENTS INSTALLATION MANUAL

ANCHOR QUANTITY TABLES

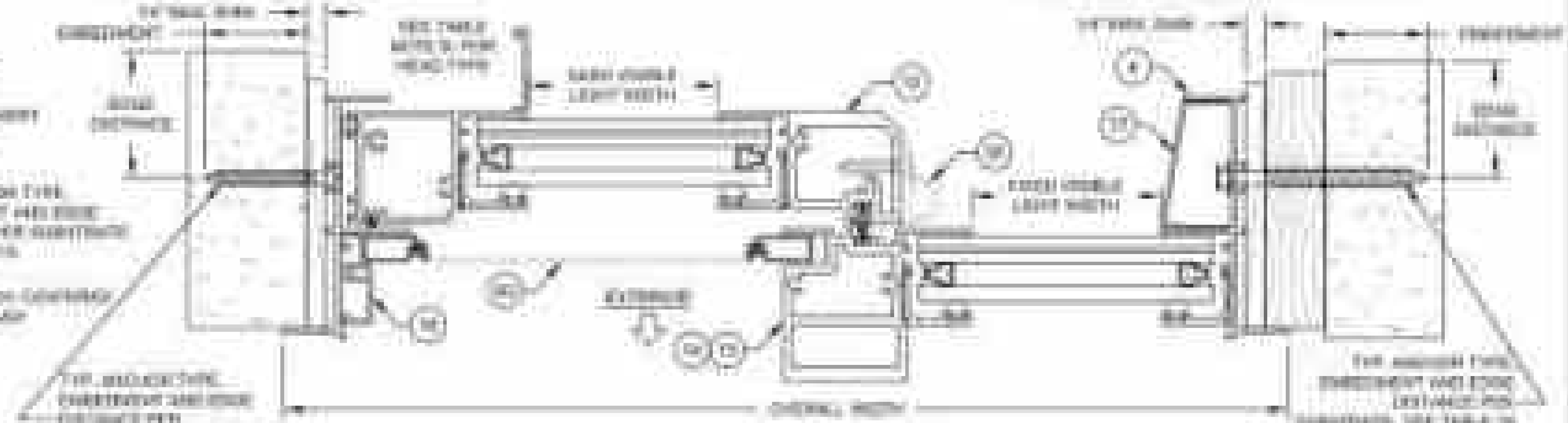
REVISIONS	BY	DATE

STATE OF FLORIDA PROFESSIONAL ENGINEER

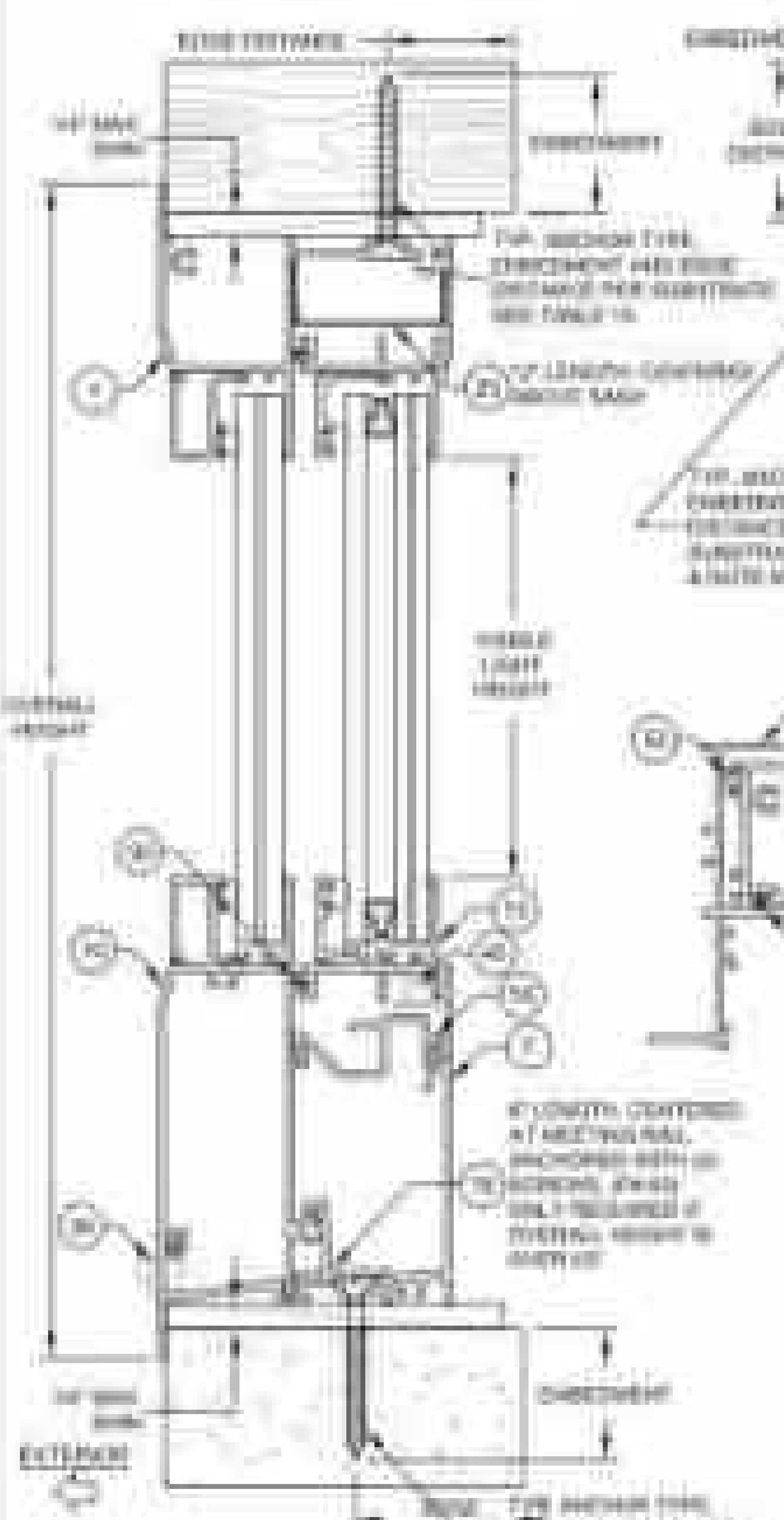
INSTALLATION OPTION 1

INSTALLATION OPTION 2

INSTALLATION OPTION 3



HORIZONTAL SECTION A-A



INSTALLATION OPTION 2

VERTICAL SECTION B-B



INSTALLATION OPTION 4

HORIZONTAL SECTION C-C

NOTES:

TABLE 1A

Anchor	Substrate	Min. Edge Distance	Min. Embedment
[illegible]	[illegible]	[illegible]	[illegible]
	[illegible]	[illegible]	[illegible]
	[illegible]	[illegible]	[illegible]
	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]
	[illegible]	[illegible]	[illegible]
	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]
	[illegible]	[illegible]	[illegible]
	[illegible]	[illegible]	[illegible]

PRODUCT RENEWED
as complying with the Florida Building Code
NOA No.
Expiration Date
By
Miami-Dade Product Control

B) REVISED ANCHOR TYPE TABLE

PGT

INSTALLATION PLANS

INSTALLATION OPTION 1

INSTALLATION OPTION 2

INSTALLATION OPTION 3

HORIZONTAL SECTION A-A

HORIZONTAL SECTION C-C

INSTALLATION OPTION 4

INSTALLATION OPTION 5

VERTICAL SECTION B-B

NOTES:

TABLE 20

PRODUCT RENEWED
in complying with the Florida Building Code
NOA No. 23-0217.06
Expiration Date: 08/24/2028
By: Miami-Dade Product Control

B) REVISED ANCHOR TYPE TABLE

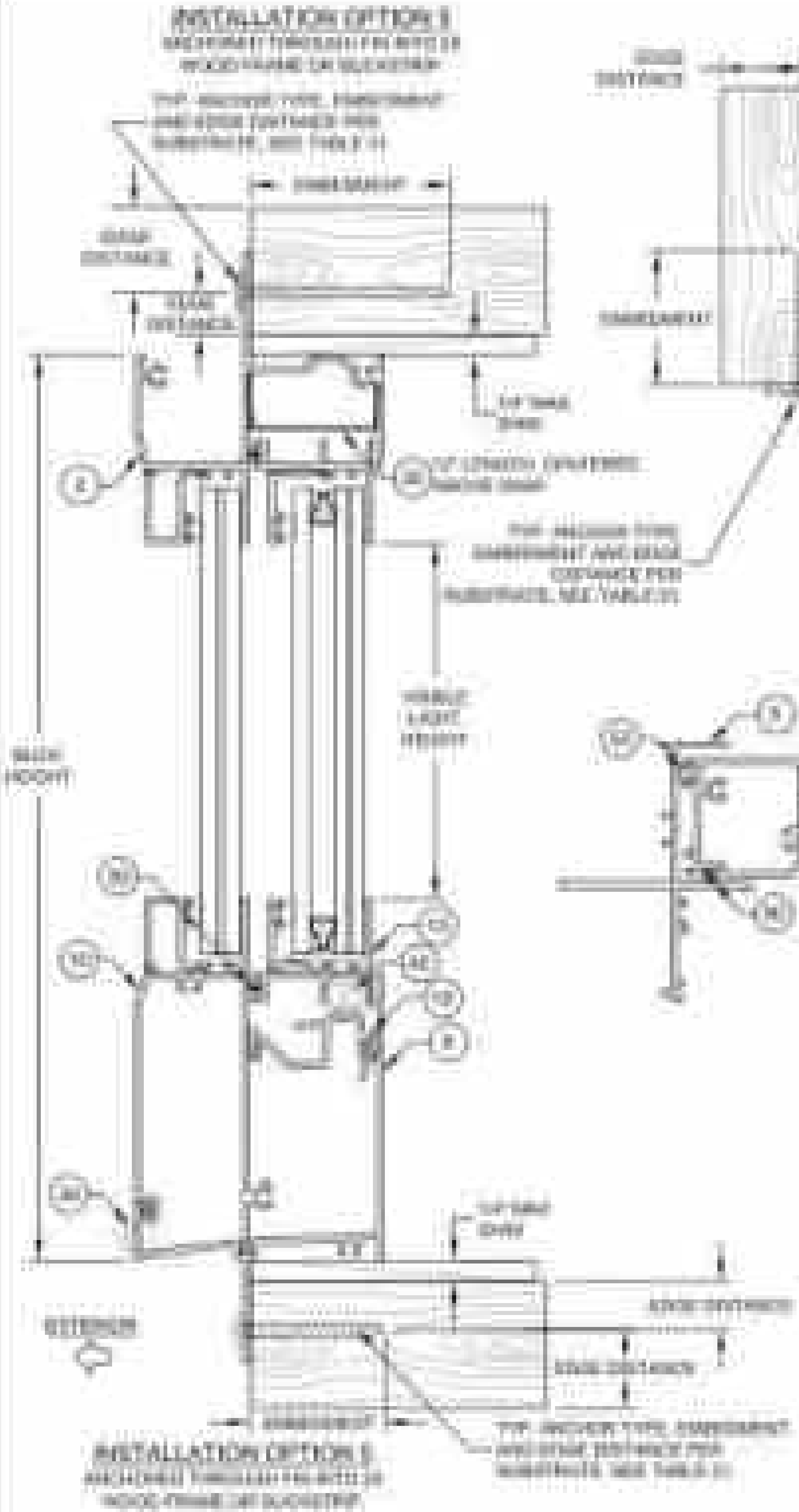
LT - 09/22/23

HURRICANE ROLLER METAL LAM

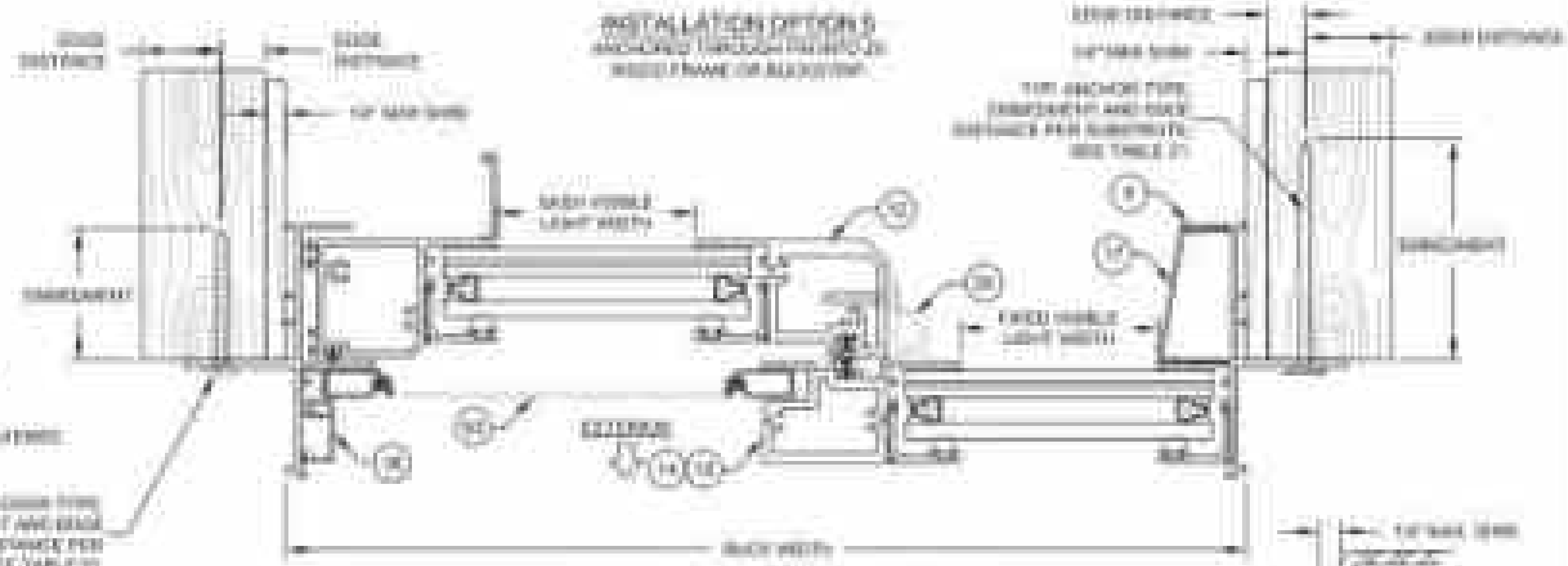
INSTALLATION EQUALLED

PGT

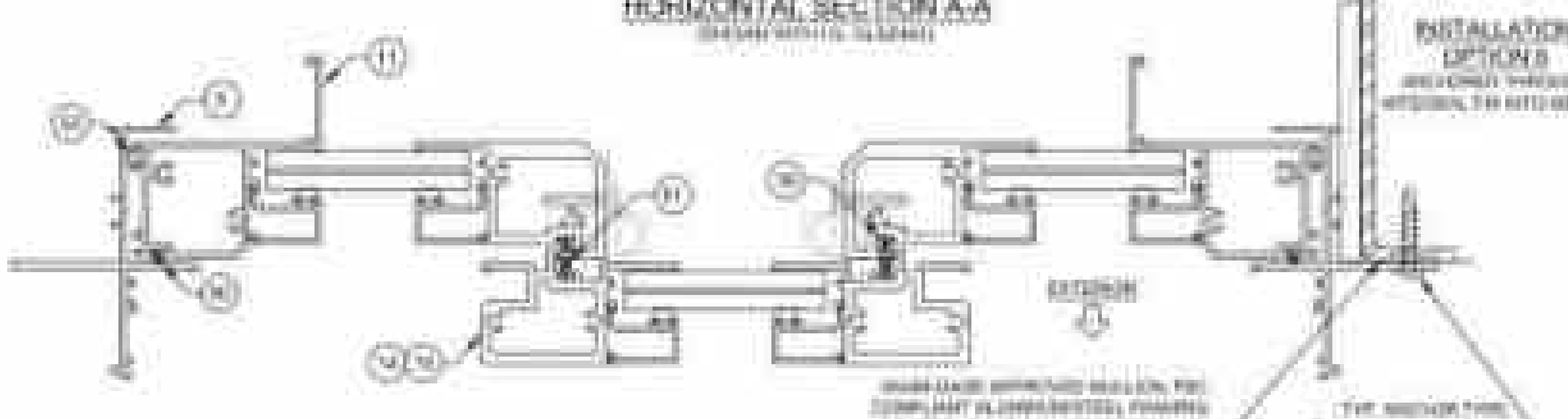
STATE OF FLORIDA
PROFESSIONAL ENGINEER



VERTICAL SECTION B-B



HORIZONTAL SECTION A-A



HORIZONTAL SECTION C-C

NOTES:

1) [illegible]

2) [illegible]

3) [illegible]

4) ALL ANCHOR HEAD TYPES ARE ACCEPTABLE.

TABLE 21

Anchor	Substrate	Min. Edge Distance	Min. O.C.	Min. Embedment
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]

[illegible]

PRODUCT RENEWED
as complying with the Florida Building Code
NOA No. [illegible]
Expiration Date [illegible]
By [illegible]
Miami-Dade Product Control

[illegible] NO CHANGES THIS SHEET

PGT

INSTALLATION, INTEGRAL FIN

PRODUCT RENEWED
in complying with the Florida Building Code,
NOA No. 23-0217.06
Expiration Date: 08.03.2028
By: [illegible]
Miami-Dade Product Control

B) NO CHANGES THIS SHEET

LY - 08/03/23

PGT

ALUMINUM HIGH IMPACT ROLLER SHUTTER SYSTEM

EXTRUSIONS

SHEET

1 OF 15

DESCRIPTION

DATE

BY

ENGINEERING

INSTALLATION

DESIGN

DRAWN

CHECKED

APPROVED

DESCRIPTION REVISIONS

DATE

BY

PRESENTATION SERIES

No. 39705

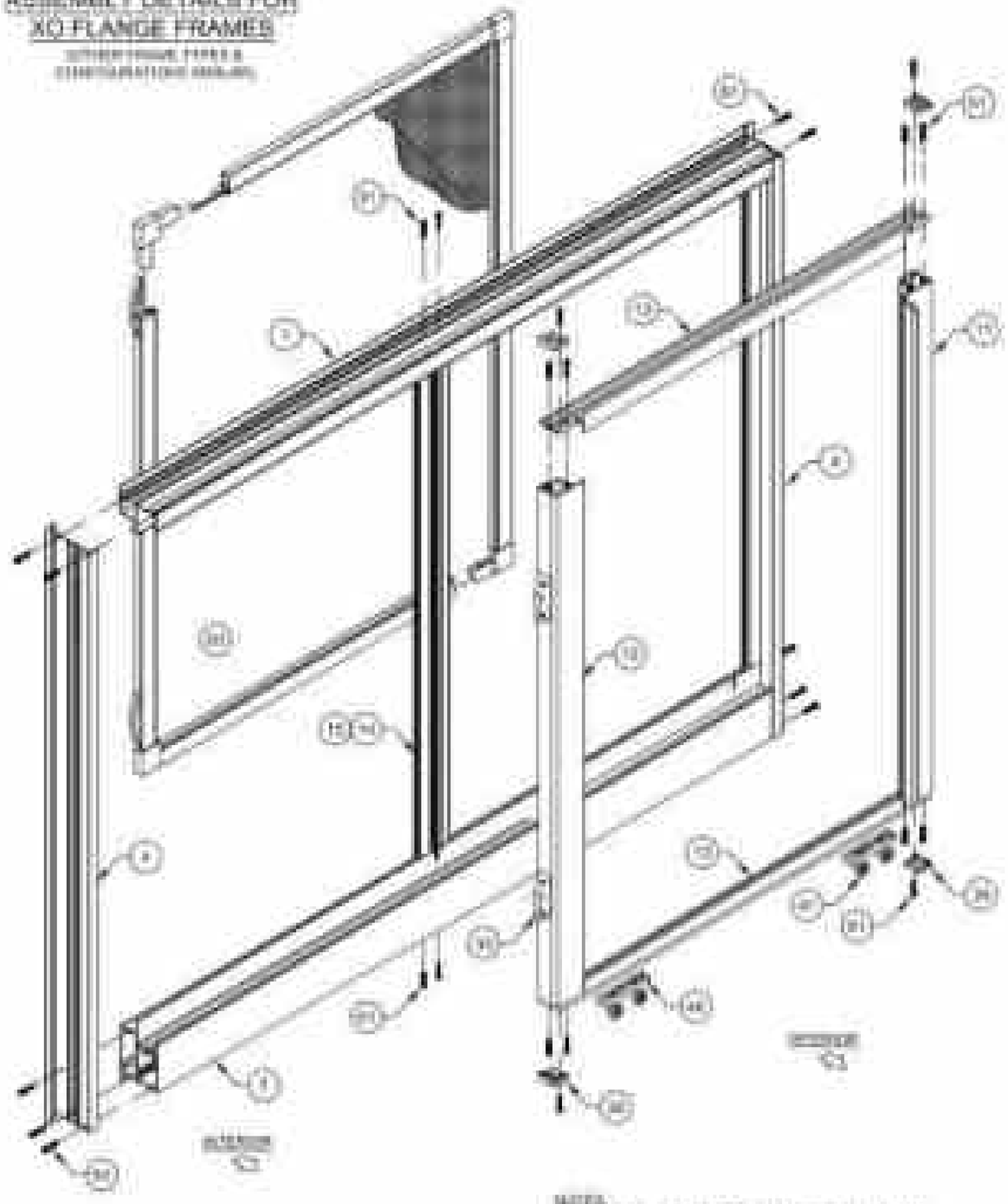
STATE OF FLORIDA

PROFESSIONAL ENGINEER

[illegible]

Item #	Part #	Description	Material
1	634180	Head, Flange Frame	Alum. 6063-T5
2	634281	Head, Integral Fin Frame	Alum. 6063-T5
3	634340	Head, Expanding Frame	Alum. 6063-T5
4	634181	Jamb, Flange Frame	Alum. 6063-T5
5	634317	Jamb, Integral Fin Frame	Alum. 6063-T5
6	634120	Jamb, Expanding Frame	Alum. 6063-T5
7	634180	Sill, Flange Frame	Alum. 6063-T5
8	634180	Sill, Integral Fin Frame	Alum. 6063-T5
9	634237	Sill, Expanding Frame	Alum. 6063-T5
10	634104	Sill Adapter	Alum. 6063-T5
11	634181	Lower Full Rail	Alum. 6063-T5
12	634180	Upper Lock Rail	Alum. 6063A-T51
13	634341	Upper Top & Bottom Rail	Alum. 6063-T5
14	634237	Sill Meeting Rail	Alum. 6063-T5
15	634337	Top Meeting Rail	Alum. 6063A-T51
16	634347	Screen Adapter	Alum. 5052-H32
17	634351	Installation Hole Cover	Alum. 6063-T5
18	631288	Handle Adapter	Alum. 6063-T5
19	634340	Lift Track	Alum. 6063-T5
20	634370	Lock Lift Cap	Alum. 6063-T5
21A	634186	Sill Blade	Alum. 6063-T5
21B	634371	Sill Snap Blade	Alum. 6063-T5
22	634339	1"-16" Upper Stop Blade	Alum. 6063-T5
23	634113	17"-30" Upper Stop Blade	Alum. 6063-T5
24	634341	Glazing Bead, Stub Vinyl for WDS113 & WDS223	Vinyl
25	634180	Glazing Bead, Stub Vinyl for WDS339 & WDS111	Vinyl
26	713838	Meeting Stile 2.03" x 1.47" x 7"	Neoprene
27A	711139	Upper Lift Gasket Blade 0.56" x 0.25" x 1.1/16"	Neoprene
27B	634114	Lift Snap Gasket Blade	Vinyl
28	134340	Sweep Lock	Cast Zinc
29	71256	Screen Hole Cover	Vinyl
30	41722	Hole Plug	Vinyl
31	134331	Lock Rail Cover 0.75 X 1mm	Vinyl
32	134380	PVC Rail End Cap	Vinyl
33	134340	Roller Housing & Track Guide	Vinyl
34	134332	Roller Wheels	Stainless Steel
35	134334	Upper Top Rail Gasket 0.31 X 0.781	Polyurethane
36	134332	Upper Bot Rail Gasket 0.31 X 1.00	Polyurethane
37	134337	Frame Header Gasket 0.31 X 1.00	Polyurethane
38	134338	Frame Sill Gasket 0.31 X 1.00	Polyurethane
39	134332	Meeting Rail Gasket	Polyurethane
40		Weatherstrip, 19" x .75", Fin Seal @ Each	
41		Weatherstrip, 35" x .27", Fin Seal @ Mill	
42	41919	Bulb Vinyl	
43	Pinnacle Pro	#10 x 3/4" Pn. Hd. SMS (Window Integral)	Stainless Steel
44	16-0138	#8 x 1" Pn. Hd. SMS (Frame & Sash Assembly)	Stainless Steel
45	-	Aluminum Screws with Phillips Head	Varies
70	-	Laminating Polyvinyl 0.030 PVB	See Detail 18 for Materials
71	-	Quanex Super Spacer with	
72	-	Quanex Duralite Spacer	
73	-	Cardinal IG Edge Sealant	
74	-	Low-Fin, Mid, MD or HP-TPS Boxmending	Silicone

ASSEMBLY DETAILS FOR XO FLANGE FRAMES



NOTES:
1. ALL DOWNARD TO USE GASKET WINDOW SEALANT.
2. SEE INSTALLATION INSTRUCTIONS FOR ADDITIONAL DRAWINGS FOR CLARITY.

PRODUCT RENEWED
in complying with the Florida Building Code
NOA No. 23-0217.06
Expiration Date: 08/01/2028
By: [illegible]
Miami-Dade Product Control

BLIND CHANGES THIS SHEET

LF - 08/02/23

PGT

ALUMINUM HOLLOW ROLLER WINDOWS

BOM & CORNER DETAILS

WDS-TT1124

