



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
T (786) 315-2590 F (786) 315-2599
www.miamidade.gov/economy

PGT Industries, LLC
3400 Precision 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 "HR-5410" PVC Horizontal Rolling Window – N.I.

APPROVAL DOCUMENT: Drawing No. HR5410-NOA Rev E titled "Vinyl Horizontal Roller Windows NI", sheets 1 through 15 of 15, dated 05/15/15 and last revised on 07/29/25, 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: None. Approved Hurricane Protection Devices complying FBC, HVHZ required.

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# 23-0707.09 and consists of this page 1 and evidence pages E-1, E-2, E-3 E-4, E-5, E-6 and E-7, as well as approval document mentioned above.

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



8/20/25

NOA No. 25-0801.04
Expiration Date: September 24, 2030
Approval Date: September 04, 2025
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.15-0903.11)*
2. Drawing No. **MD-HR5410-01** titled "Horizontal Roller - NI", sheets 1 through 15 of 15, dated 05/15/15, with revision B dated 03/27/17, prepared by manufacturer, signed and sealed by Anthony Lynn Miller, P.E.

B. TESTS

1. Test reports on: 1) Uniform Static Air Pressure Test, Loading per FBC, TAS 202-94
2) Large Missile Impact Test per FBC, TAS 201-94
3) Cyclic Wind Pressure Loading per FBC, TAS 203-94
along with marked-up drawings and installation diagram of a PVC sliding glass door, a PVC fixed window and an aluminum sliding glass door, using: Kodispace 4SG TPS spacer system, Duraseal® spacer system, Super Spacer® NXT™ spacer system and XL Edge™ spacer system at insulated glass, prepared by Fenestration Testing Laboratory, Inc., Test Reports No. **FTL-8717**, **FTL-8968** and **FTL-8970**, dated 11/16/15, 06/07/16 and 06/02/16 respectively, all signed and sealed by Idalmis Ortega, P.E.
(Submitted under previous NOA No. 16-0714.18)
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) Forced Entry Test, per FBC 2411.3.2.1, and TAS 202-94
5) Large Missile Impact Test per FBC, TAS 201-94
6) Cyclic Wind Pressure Loading per FBC, TAS 203-94
along with marked-up drawings and installation diagram of series 5410 and series 5510 PVC horizontal sliding windows, prepared by Fenestration Testing Laboratory, Inc., Test Report No. **FTL-8072**, dated 02/03/15, signed and sealed by Idalmis Ortega, P.E.
(Submitted under NOA No. 15-0903.11)

C. CALCULATIONS

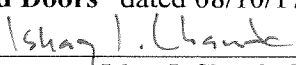
1. Anchor verification calculations and structural analysis, complying with **FBC-5th Edition (2014)** dated 08/28/15, prepared by manufacturer, signed and sealed by Anthony Lynn Miller, P.E. *(Submitted under NOA No. 15-0903.11)*
2. Glazing complies with **ASTM E1300-09**

D. QUALITY ASSURANCE

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

E. MATERIAL CERTIFICATIONS

1. NOA No. **16-0712.03** issued to ENERGI Fenestration Solutions USA, for their "White Rigid PVC Exterior Extrusions for Windows and Doors" dated 08/10/17, expiring on 02/28/18.


Ishaq I. Chanda, P.E.
Product Control Unit Supervisor
NOA No. 25-0801.04
Expiration Date: September 24, 2030
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NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

E. MATERIAL CERTIFICATIONS (CONTINUED)

2. NOA No. **16-0712.04** issued to ENERGI Fenestration Solutions USA, Inc. for their “**Bronze and Lighter Shades of Cap Coated Rigid PVC Exterior Extrusions for Windows and Doors**” dated 09/15/16, expiring on 04/16/20.
3. NOA No. **16-0712.05** issued to ENERGI Fenestration Solutions USA, Inc. for their “**Performance Core Rigid PVC Exterior Extrusions for Windows and Doors**” dated 09/15/16, expiring on 04/16/20.

F. STATEMENTS

1. Statement letter of conformance, complying with **FBC-5th Edition (2014) and FBC-6th Edition (2017)**, dated 08/02/17, issued by manufacturer, signed and sealed by Anthony Lynn Miller, P.E.
2. Statement letter of no financial interest, dated 03/31/17, issued by manufacturer, signed and sealed by Anthony Lynn Miller, P.E.
3. Proposal No. **16-0125** issued by the Product Control Section, dated 03/09/16, signed by Ishaq Chanda, P.E. *(Submitted under previous NOA No. 16-0714.18)*
4. Proposal issued by Product Control, dated 8/27/14 and revised on 9/10/14, signed by Jaime Gascon, P.E. Supervisor, Product Control Section. *(Submitted under NOA No.15-0903.11)*

G. OTHERS

1. NOA No. **16-0714.18**, issued to PGT Industries, Inc. for their Series “HR-5410” PVC Horizontal Rolling Window - N.I., approved on 09/01/16 and expiring on 09/24/20.

2. EVIDENCE SUBMITTED UNDER PREVIOUS NOA's

A. DRAWINGS

1. Drawing No. **MD-HR5410-01** titled “Horizontal Roller - NI”, sheets 1 through 15 of 15, dated 05/15/15, with revision C dated 04/02/2020, 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.:


Ishaq I. Chanda, P.E.
Product Control Unit Supervisor
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NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

B. TESTS (CONTINUED)

FTL-7897, PGT PW5520 PVC Fixed Window (unit 6 in proposal),
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)** and **FBC-7th (2020)** dated 04/02/2020, prepared by manufacturer, signed and sealed by Anthony Lynn Miller, P.E.
2. Glazing complies with **ASTM E1300-09**

D. QUALITY ASSURANCE

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

E. MATERIAL CERTIFICATIONS

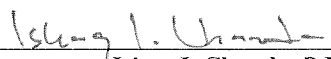
1. NOA No. **18-0122.02** issued to ENERGI Fenestration Solutions USA, for their “**White Rigid PVC Exterior Extrusions for Windows and Doors**” dated 03/08/18, expiring on 02/28/23.
2. NOA No. **20-0203.03** issued to ENERGI Fenestration Solutions USA, Inc. for their “**Bronze and Lighter Shades of Cap Coated Rigid PVC Exterior Extrusions for Windows and Doors**” dated 02/27/20, expiring on 04/16/25.
3. NOA No. **20-0203.04** issued to ENERGI Fenestration Solutions USA, Inc. for their “**Performance Core Rigid PVC Exterior Extrusions for Windows and Doors**” dated 02/27/20, expiring on 04/16/25.

F. STATEMENTS

1. Statement letter of conformance, complying with **FBC-6th Edition (2017)** and **FBC-7th Edition (2020)**, dated 03/27/20, issued by manufacturer, signed and sealed by Anthony Lynn Miller, P.E.
2. Statement letter of no financial interest, dated 03/27/20, 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. NOA No. **17-0411.09**, issued to PGT Industries, Inc. for their Series “HR-5410” PVC Horizontal Rolling Window - N.I., approved on 08/31/17 and expiring on 09/24/20.



Ishaq I. Chanda, P.E.
Product Control Unit Supervisor
NOA No. 25-0801.04
Expiration Date: September 24, 2030
Approval Date: September 04, 2025

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

3. EVIDENCE SUBMITTED UNDER PREVIOUS NOA's

A. DRAWINGS

1. Drawing No. **MD-HR5410-01 Rev D** titled "Horizontal Roller - NI", sheets 1 through 15 of 15, dated 05/15/15 and last revised on 06/16/23, prepared by manufacturer, 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

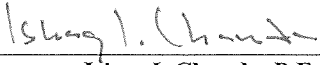
1. NOA No. **21-1109.04** issued to Vision Extrusions Group Limited, for their "**White Rigid PVC Exterior Extrusions for Windows and Doors**", expiring on 09/30/24.
2. NOA No. **22-0104.04** issued to Vision Extrusions Group limited for their "**Bronze and Lighter Shades of Cap Coated Rigid PVC Exterior Extrusions for Windows and Doors**", expiring on 04/16/25.
3. NOA No. **20-0203.04** issued to ENERGI Fenestration Solutions USA, Inc. for their "**Performance Core Rigid PVC Exterior Extrusions for Windows and Doors**" dated 02/27/20, expiring on 04/16/25.

F. STATEMENTS

1. Statement letter of conformance, complying with **FBC 7th Edition (2020)** and the **FBC 8th Edition (2023)**, dated 06-16-23, issued by manufacturer, signed and sealed by Anthony Lynn Miller, P.E.
2. Statement letter of conformance, complying with **FBC-6th Edition (2017) and FBC-7th Edition (2020)**, dated 03/27/20, issued by manufacturer, signed and sealed by Anthony Lynn Miller, P.E. (submitted under previous approval)

G. OTHERS

1. This NOA revises NOA# **20-0406.02**, expiring on 09/24/25.



Ishaq I. Chanda, P.E.

Product Control Unit Supervisor

NOA No. 25-0801.04

Expiration Date: September 24, 2030

Approval Date: September 04, 2025

PGT Industries, LLC

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

4. EVIDENCE SUBMITTED UNDER PREVIOUS NOA's

A. DRAWINGS

1. Drawing No. **MD-HR5410-01 Rev D** titled "Horizontal Roller - NI", sheets 1 through 15 of 15, dated 05/15/15 and last revised on 06/16/23, prepared by manufacturer, 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

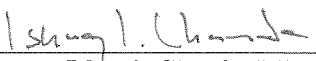
1. NOA No. **21-1109.04** issued to Vision Extrusions Group Limited, for their "**White Rigid PVC Exterior Extrusions for Windows and Doors**", expiring on 09/30/24.
2. NOA No. **22-0104.04** issued to Vision Extrusions Group limited for their "**Bronze and Lighter Shades of Cap Coated Rigid PVC Exterior Extrusions for Windows and Doors**", expiring on 04/16/25.
3. NOA No. **20-0203.04** issued to ENERGI Fenestration Solutions USA, Inc. for their "**Performance Core Rigid PVC Exterior Extrusions for Windows and Doors**" dated 02/27/20, expiring on 04/16/25.

F. STATEMENTS

1. Statement letter of conformance, complying with the **FBC 8th Edition (2023)**, dated 06-16-23, issued by manufacturer, signed and sealed by Anthony Lynn Miller, P.E.
2. Statement letter dated 12/18/24 issued by manufacturer requesting renewal with company name change to PGT industries, LLC, signed and sealed by Anthony Lynn Miller, P.E.
3. e-mail dated 12/23/24 sent by Lynn Miller (PGT Code Compliance Manager), consists of PGT innovation form 8-k filed w/SEC, PGT innovation form 10-K filed w/SEC and Exhibit 21(Form 10-K); PGT innovation's list of subsidiaries

G. OTHERS

1. This NOA **revises NOA# 20-0406.02**, expiring on 09/24/25.
2. Article of conversion of PGT Industries, Inc to PGT industries, LLC pdf provided on 12/24/24 by Ms. April Lee, Assistant General Counsel.
3. Florida Department of State, Division of Corporation listing # L2400142070 of PGT Industries, LLC as active status since 12/17/24.
4. Florida Department of State, Division of Corporation listing # F03387 of PGT Industries, Inc as Inactive status.
5. PGT Name change organization chart layout prepared by RER (for file use only).



Ishaq I. Chanda, P.E.

Product Control Unit Supervisor

NOA No. 25-0801.04

Expiration Date: September 24, 2030

Approval Date: September 04, 2025

PGT Industries, LLC

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

5. NEW EVIDENCE SUBMITTED

A. DRAWINGS

1. Drawing No. **HR5410-NOA Rev E** titled "Vinyl Horizontal Roller Windows NI", sheets 1 through 15 of 15, dated 05/15/15 and last revised on 07/29/25, prepared by manufacturer, 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. NOA No. **24-0618.01** issued to Vision Extrusions Group Limited, for their "**White Rigid PVC Exterior Extrusions for Windows and Doors**", expiring on 09/30/29.
2. Notice of Acceptance No. **25-0609.03**, issued to **Vision Extrusions Group Limited**, for their **Tan 3040 and Lighter Shades (Non-White) Rigid PVC Exterior Extrusions for Windows and Doors**, approved on 07/10/25, expiring on 02/04/31.
3. Notice of Acceptance No. **24-0401.07**, issued to **Vision Extrusions Group Limited**, for their **Black and Lighter Shades of Cap Coated Rigid PVC Exterior Extrusions for Windows and Doors**, approved on 05/09/24, expiring on 07/28/27.
4. Notice of Acceptance No. **23-0830.05**, issued to **Vision Extrusions Group Limited**, for their **VE 1000 Tan 202 and Lighter Shades (Non-White) Rigid PVC Exterior Extrusions for Windows and Doors**, approved on 10/26/23, expiring on 12/29/26.
5. Notice of Acceptance No. **24-0618.02**, issued to **Vision Extrusions Group Limited**, for their **Painted or Laminated White Rigid PVC Exterior Extrusions for Windows and Doors**, approved on 07/18/24, expiring on 09/30/29.

F. STATEMENTS

1. Statement letter of conformance, complying with **FBC 8th Edition (2023)** and no financial interest, dated 07-29-25, issued by manufacturer, signed and sealed by Anthony Lynn Miller, P.E.
2. Statement letter dated 12/18/24 issued by manufacturer requesting renewal with company name change to PGT industries, LLC, signed and sealed by Anthony Lynn Miller, P.E.
3. e-mail dated 12/23/24 sent by Lynn Miller (PGT Code Compliance Manager), consists of PGT innovation form 8-k filed w/SEC, PGT innovation form 10-K filed w/SEC and Exhibit 21(Form 10-K); PGT innovation's list of subsidiaries.



Ishaq I. Chanda, P.E.

Product Control Unit Supervisor

NOA No. 25-0801.04

Expiration Date: September 24, 2030

Approval Date: September 04, 2025

PGT Industries, LLC

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

5. NEW EVIDENCE SUBMITTED (continue)

G. OTHERS

1. This NOA revises & renews NOA# 23-0707.09, expiring on 09/24/30.
2. Article of conversion of PGT Industries, Inc to PGT industries, LLC pdf provided on 12/24/24 by Ms. April Lee, Assistant General Counsel.
3. Florida Department of State, Division of Corporation listing # L2400142070 of PGT Industries, LLC as active status since 12/17/24.
4. Florida Department of State, Division of Corporation listing # F03387 of PGT Industries, Inc as Inactive status.
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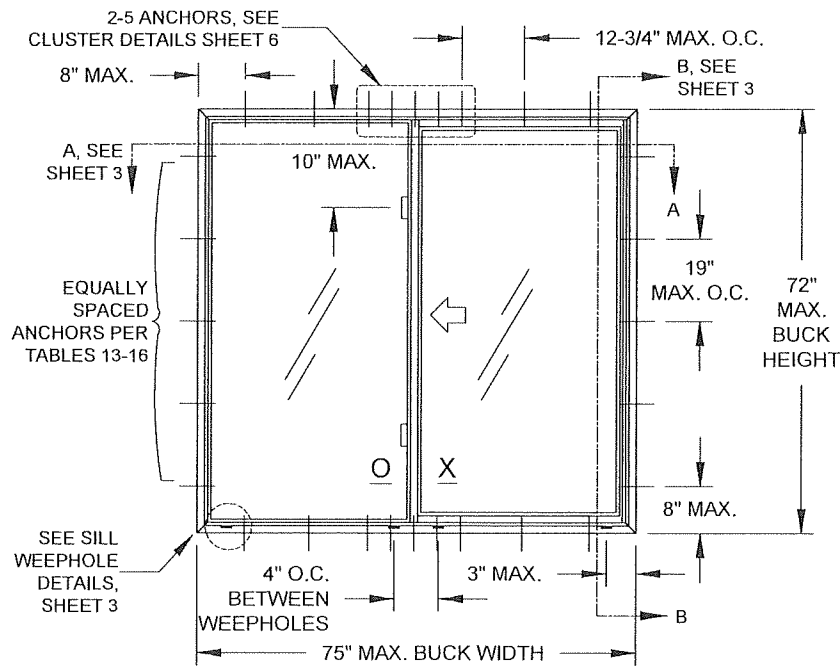
Ishaq I. Chanda, P.E.

Product Control Unit Supervisor

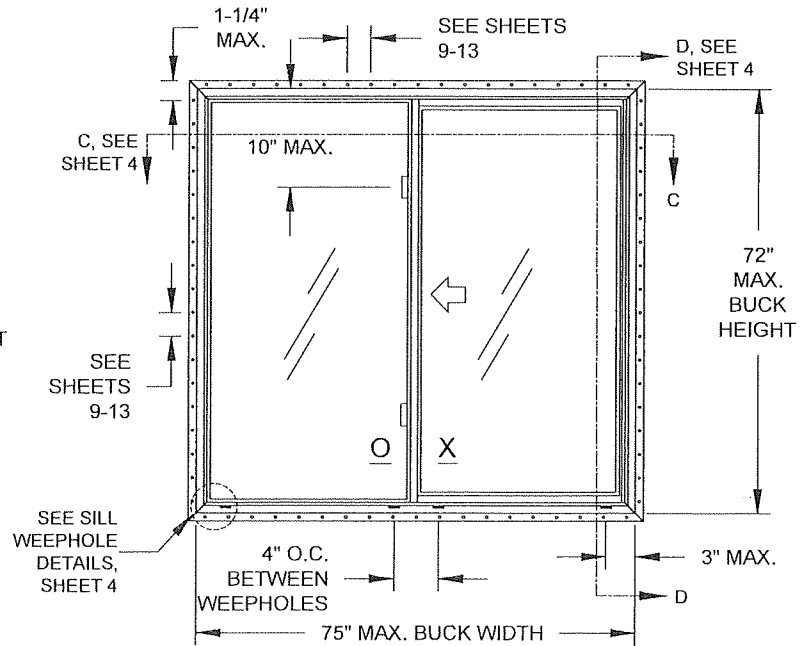
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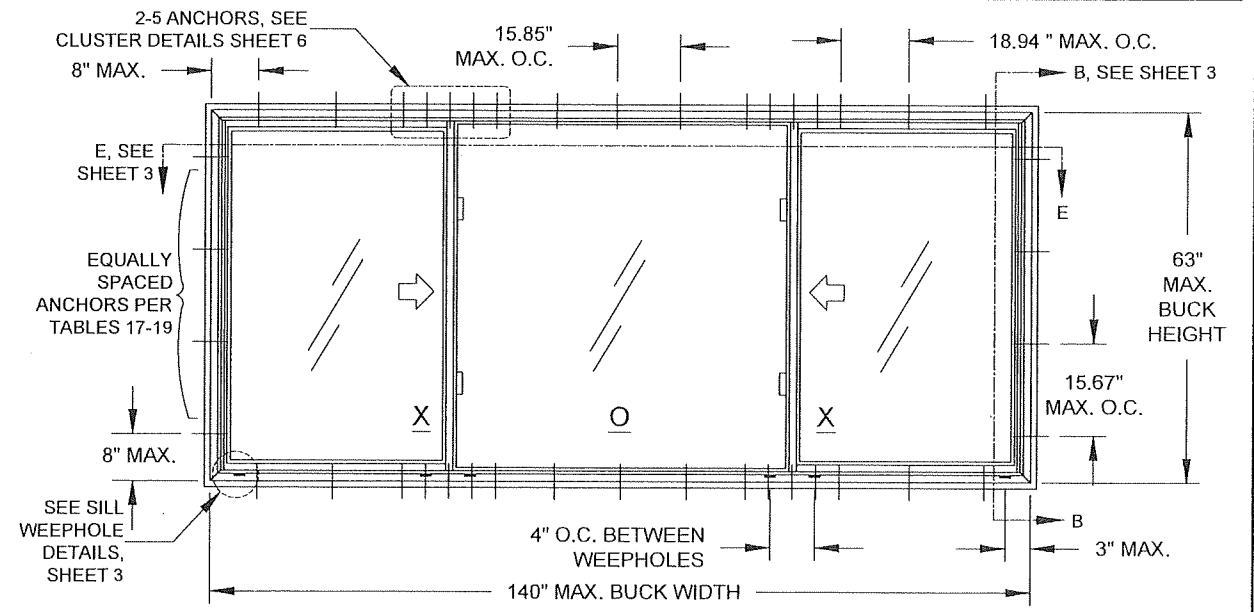
Approval Date: September 04, 2025



ELEVATION FOR TYP. EQUAL LEG FRAME
SHOWN AS OX CONFIGURATION



ELEVATION FOR TYP. FIN OR J-CANNEL
FRAME SHOWN AS OX CONFIGURATION
ANCHORED THROUGH THE NAIL-FIN



ELEVATION FOR TYP. FLANGE FRAME
SHOWN AS XO CONFIGURATION

CODES / STANDARDS USED:

- 2023 FLORIDA BUILDING CODE (FBC), 8TH EDITION
- ASTM E1300-09
- ANSI/AF&PA NDS-2018 FOR WOOD CONSTRUCTION
- ALUMINUM DESIGN MANUAL, ADM-2020
- AISI S100-16
- AISC 360-16

GENERAL NOTES: SERIES 5410 NON-IMPACT RESISTANT HORIZONTAL ROLLER

- THIS PRODUCT HAS BEEN DESIGNED & TESTED TO COMPLY WITH THE REQUIREMENTS OF THE FLORIDA BUILDING CODE, INCLUDING THE HIGH VELOCITY HURRICANE ZONE (HVHZ).
- SHUTTERS ARE REQUIRED WHEN USED IN WIND-BORNE DEBRIS REGIONS.
- FOR MASONRY APPLICATIONS IN MIAMI-DADE COUNTY, USE ONLY MIAMI-DADE COUNTY APPROVED MASONRY ANCHORS. MATERIALS USED FOR ANCHOR EVALUATIONS WERE SOUTHERN PINE, ASTM C90 CONCRETE MASONRY UNITS AND CONCRETE WITH MIN. KSI PER ANCHOR TYPE.
- ALL WOOD BUCKS LESS THAN 1-1/2" THICK ARE TO BE CONSIDERED 1X INSTALLATIONS. 1X WOOD BUCKS ARE OPTIONAL IF UNIT IS INSTALLED DIRECTLY TO SUBSTRATE. WOOD BUCKS DEPICTED AS 2X ARE 1-1/2" THICK OR GREATER. 1X AND 2X BUCKS (WHEN USED) SHALL BE DESIGNED AND SECURED TO PROPERLY TRANSFER LOADS TO THE STRUCTURE. WOOD BUCK DESIGN AND INSTALLATION IS THE RESPONSIBILITY OF THE ENGINEER, (EOR) OR ARCHITECT OF RECORD, (AOR).
- ANCHOR EMBEDMENT TO BASE MATERIAL SHALL BE BEYOND WALL DRESSING OR STUCCO. USE ANCHORS OF SUFFICIENT LENGTH TO ACHIEVE REQUIRED MIN. EMBEDMENT. INSTALLATION ANCHORS SHOULD BE SEALED. OVERALL SEALING/FLASHING STRATEGY FOR WATER RESISTANCE OF INSTALLATION SHALL BE DONE BY OTHERS AND IS BEYOND THE SCOPE OF THESE INSTRUCTIONS.
- 1/4" MAX. SHIMS ARE REQUIRED AT EACH ANCHOR LOCATION WHERE THE PRODUCT IS NOT FLUSH TO THE SUBSTRATE. USE SHIMS CAPABLE OF TRANSFERRING APPLIED LOADS.
- DESIGN PRESSURES:
 - NEGATIVE DESIGN LOADS BASED ON STRUCTURAL TESTING AND GLASS PER ASTM E1300.
 - POSITIVE DESIGN LOADS BASED ON WATER TEST PRESSURE, STRUCTURAL TESTING AND GLASS PER ASTM E1300.
 - DESIGN LOADS ARE BASED ON ALLOWABLE STRESS DESIGN, ASD.
- THE ANCHORAGE METHODS SHOWN HAVE BEEN DESIGNED TO RESIST THE WINDLOADS CORRESPONDING TO THE REQUIRED DESIGN PRESSURE. THE 33-1/3% STRESS INCREASE HAS NOT BEEN USED IN THE DESIGN OF THIS PRODUCT. THE 1.6 LOAD DURATION FACTOR WAS USED FOR THE EVALUATION OF ANCHORS INTO WOOD. ANCHORS THAT COME INTO CONTACT WITH OTHER DISSIMILAR MATERIALS SHALL MEET THE REQUIREMENTS OF THE FLORIDA BUILDING CODE FOR CORROSION RESISTANCE.
- METAL SUBSTRATE TO MEET MIN. STRENGTH AND THICKNESS REQUIREMENTS PER CURRENT FLORIDA BUILDING CODE AND TO BE REVIEWED BY THE AUTHORITY HAVING JURISDICTION.
- REFERENCES: TEST REPORTS FTL-8072; ELCO ULTRACON NOA; DEWALT ULTRACON+ NOA; ELCO/DEWALT CRETEFLEX NOA; ELCO/DEWALT AGGRE-GATOR NOA; VISION EXTRUSION, LTD WHITE & BRONZE/LIGHTER SHADES OF CAP COATED PVC EXTRUSION NOA'S; NATIONAL DESIGN SPECIFICATION FOR WOOD CONSTRUCTION, ANSI/AF&PA NDS & ALUMINUM DESIGN MANUAL
- APPLICABLE EGRESS REQUIREMENTS TO BE REVIEWED BY BUILDING OFFICIAL.
- FRAME FLANGES OR INTEGRAL FINS MAY BE TRIMMED IN-FIELD TO CREATE AN EQUAL-LEG FRAME.
- MAXIMUM SHIM SPACING TO BE 18" WHEN INSTALLING THROUGH THE INTEGRAL FIN.

USER INSTRUCTIONS:

- DETERMINE THE SITE SPECIFIC, WINDOW OPENING'S DESIGN PRESSURE REQUIREMENT USING WINDLOAD STANDARD ASCE 7.
- KNOWING YOUR FRAME TYPE, WINDOW CONFIGURATION (OX, XO, XO), SIZE, GLAZING OPTION FROM (TABLE 1) AND REINFORCEMENT LEVEL, DETERMINE YOUR WINDOW'S DESIGN PRESSURE REQUIREMENT FOR THE WINDOW OPENING USING TABLES 6-12 (SHEETS 6-8). IT MUST EQUAL OR EXCEED THE DESIGN PRESSURE REQUIREMENT FOR THE WINDOW OPENING OBTAINED IN STEP 1. USE INDEX TABLE 5 ON SHEET 6 TO HELP FIND THE APPROPRIATE TABLE.
- DETERMINE THE MOST SUITABLE ANCHOR GROUP FROM TABLES 2 AND 3 ON SHEET 2 ACCORDING TO THE INSTALLATION CONDITIONS.
- DETERMINE THE ANCHOR QUANTITY FROM TABLES 13-19 (SHEETS 9-13), VERIFY THE ANCHOR/SUBSTRATE WILL MEET REQUIREMENTS FOR YOUR OPENING'S CONDITION FROM TABLES 2 OR 3, AND THAT ALL MIN. REQUIREMENTS FROM THIS SHEET-SET ARE MET.
- INSTALL AS PER SHEET 3 FOR FLANGE/EQUAL LEG INSTALLATION OR SHEET 4 FOR INTEGRAL FIN/J-CANNEL INSTALLATION. USE TABLE 4 ON SHEET 2 TO FIND THE APPROPRIATE DETAILS.

NOTE: DESIGN PRESSURE RATING DETERMINATION IS THE SAME PROCESS FOR ALL FRAME TYPES (J-CANNEL, FLANGE, INTEGRAL FIN OR EQUAL LEG/BOX), SEE FIGURE B ON SHEET 2.

GENERAL NOTES.....	1
ELEVATIONS.....	1
FRAME, GLASS & ANCHOR	
OPTIONS.....	2
INSTALLATION, FLANGE &	
EQUAL LEG/BOX.....	3
INSTALLATION, INTEGRAL FIN	
& J-CANNEL.....	4
GLAZING DETAILS.....	5
DESIGN PRESSURES.....	6-8
ANCHOR QUANTITIES.....	9-13
EXTRUSION PROFILES & BOM.....	14
ASSEMBLY.....	15

PRODUCT REVISED
as complying with the Florida
Building Code
Acceptance No 25-0801-04
Expiration Date 9/24/2030
By [Signature]
Miami Dade Product Control

PGT Custom Windows and Doors 3400 PRECISION DRIVE N. VENICE, FL 34275 (941) 480-1600		PREPARED BY A. LYNN MILLER 1070 TECHNOLOGY DRIVE N. VENICE, FL 34275 (941) 480-1600			
		REGISTRATION #29296			
Title	VINYL HORIZONTAL ROLLER WINDOW (NI)		Date	05/15/15	
Desc.	GENERAL NOTES & ELEVATION		Drawn By	JENS ROSOWSKI	
Rev.	ERASE 2020 FBC - AND NOTE 13 - AM		Rev Date	07/29/23	
Series	HR5410	Sheet	1 OF 15	DWG No.	HR5410-NOA
				Rev.	E

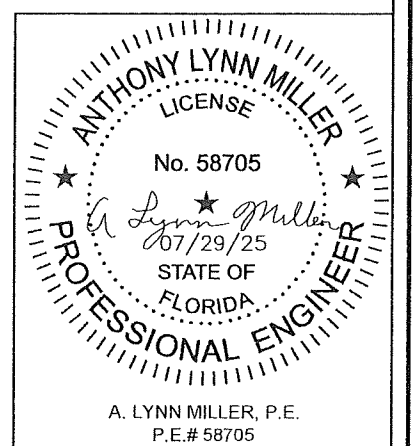


TABLE 1: ALLOWABLE GLASS TYPES

Glass Type	Description (Listed from Exterior to Interior)
1	3/4" I.G.: 1/8" A Exterior Cap + 1/2" Air Space + 1/8" A Exterior Cap
2	3/4" I.G.: 1/8" T Exterior Cap + 1/2" Air Space + 1/8" T Exterior Cap
3	3/4" I.G.: 3/16" A Exterior Cap + 3/8" Air Space + 3/16" A Exterior Cap
4	3/4" I.G.: 3/16" T Exterior Cap + 3/8" Air Space + 3/16" T Exterior Cap

SEE SHEET 6, TABLE 5 FOR GLAZING/DESIGN PRESSURE/ANCHORAGE INDEX.

GLASS TYPES 1 & 3 MAY NOT BE USED IN THE HVHZ ABOVE 30'.

TABLE 2: ALLOWABLE ANCHORS THROUGH THE FRAME

Group	Anchor	Substrate	Min. Edge Distance	Min. Embedment*
A	#10 SMS (steel, 18-8 S.S. or 410 S.S.)	Southern Pine (SG=0.55)	7/16"	1-3/8"
		Steel, A36*	3/8"	0.050"
		Steel Stud, A653 Gr. 33*	3/8"	0.0451" (18 Ga.)
		Aluminum, 6063-T5*	3/8"	0.050"
	3/16" steel Ultracon+	Southern Pine (SG=0.55)	7/16"	1-3/8"
		Concrete (min. 3 ksi)	1"	1-3/8"
B	#12 SMS (steel, 18-8 S.S. or 410 S.S.)	Southern Pine (SG=0.55)	9/16"	1-3/8"
		Steel, A36*	3/8"	0.050"
		Steel Stud, A653 Gr. 33*	3/8"	0.0451" (18 Ga.)
		Aluminum, 6063-T5*	3/8"	0.063"
	1/4" steel Ultracon+	Southern Pine (SG=0.55)	1"	1-3/8"
	1/4" steel Creteflex	Southern Pine (SG=0.55)	1"	1-3/8"
C	1/4" steel Ultracon+	Concrete (min. 3 ksi)	1-3/16"	1-3/4"
		UngROUTED CMU, (ASTM C-90)	1"	1-1/4"
	1/4" steel Creteflex	Concrete (min. 3.35 ksi)	1"	1-3/4"
D	1/4" steel Ultracon+	Concrete (min. 3 ksi)	2-1/2"	1-3/4"
		UngROUTED CMU, (ASTM C-90)	2-1/2"	1-1/4"
	1/4" steel Creteflex	Concrete (min. 3.35 ksi)	2-1/2"	1-3/4"
		UngROUTED CMU, (ASTM C-90)	2-1/2"	1-1/4"
	1/4" steel Aggre-Gator	Concrete (min. 3.275 ksi)	1-1/2"	1-3/8"
		Grouted CMU, (ASTM C-90)	2"	2"

* MIN. OF 3 THREADS BEYOND THE METAL SUBSTRATE.

"UNGROUTED CMU" VALUES MAY BE USED FOR GROUTED CMU APPLICATIONS.

TABLE 3: ALLOWABLE ANCHORS THROUGH THE INTEGRAL FIN

Group	Anchor	Substrate	Min. Edge Distance	Min. Embedment*
E	2-1/2" x .131" Common Nail	Southern Pine (SG=0.55)	3/8"	2-7/16"
F	2-1/2" Ring-shank Roofing Nail	Southern Pine (SG=0.55)	3/8"	2-7/16"
		Southern Pine (SG=0.55)	1/2"	1-3/8"
	#10 Trusshead SMS (steel, 18-8 S.S. or 410 S.S.)	Aluminum, 6063-T5*	3/8"	0.050"
		Steel Stud, Gr. 33*	3/8"	0.0451" (18 Ga.)
		Steel, A36*	3/8"	0.050"
	#12 SMS (steel, 18-8 S.S. or 410 S.S.)	Southern Pine (SG=0.55)	9/16"	1-3/8"
		Aluminum, 6063-T5*	3/8"	0.063"
		Steel Stud, Gr. 33*	3/8"	0.050"
		Steel, A36*	3/8"	0.050"

* MIN. OF 3 THREADS BEYOND THE METAL SUBSTRATE.

Material	Min. F _y	Min. F _u
Steel Screw	92 ksi	120 ksi
18-8 Screw	60 ksi	95 ksi
410 Screw	90 ksi	110 ksi
Elco/DeWalt Aggre-Gator®	57 ksi	96 ksi
3/16" DeWalt UltraCon+®	117 ksi	164 ksi
1/4" DeWalt UltraCon+®	148 ksi	164 ksi
410 SS Elco/DeWalt CreteFlex®	127.4 ksi	189.7 ksi
6063-T5 Aluminum	16 ksi	22 ksi
A36 Steel	36 ksi	58 ksi
Gr. 33 Steel Stud	33 ksi	45 ksi

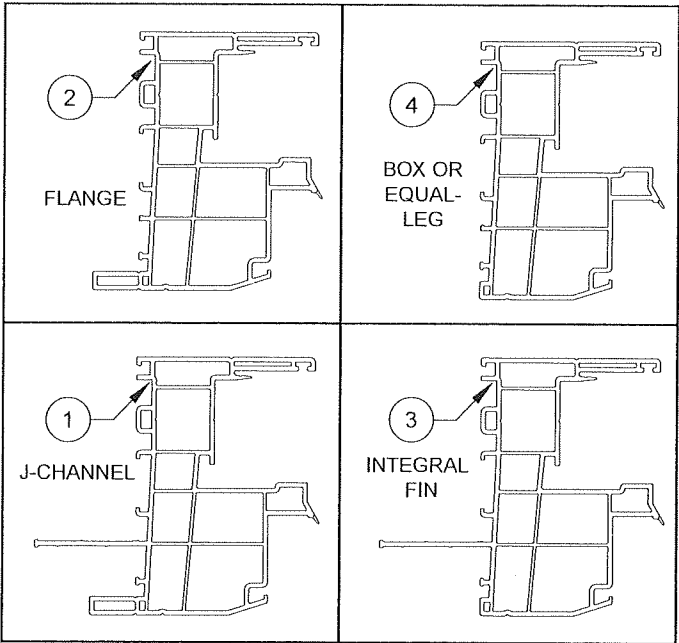
INSTALLATION NOTES, SEE SHEETS 3 & 4 FOR ILLUSTRATIONS:

- 1) USE ONLY SUBSTRATE-APPROPRIATE ANCHORS LISTED ON TABLES 2 & 3, THIS SHEET. FOLLOW EMBEDMENT AND EDGE DISTANCE LIMITS. ANY INSTALLATION OPTION SHOWN MAY BE USED ON ANY SIDE OF THE WINDOW.
- 2) MASONRY ANCHORS MAY BE USED INTO WOOD AS PER TABLE 2, THIS SHEET. ALL WOOD BUCKS LESS THAN 1-1/2" THICK ARE TO BE CONSIDERED 1X INSTALLATIONS. 1X WOOD BUCKS ARE OPTIONAL IF UNIT IS INSTALLED DIRECTLY TO SUBSTRATE. WOOD BUCKS DEPICTED AS 2X ARE 1-1/2" THICK OR GREATER. 1X AND 2X BUCKS (WHEN USED) SHALL BE DESIGNED TO PROPERLY TRANSFER LOADS TO THE STRUCTURE. WOOD BUCK DESIGN AND INSTALLATION IS THE RESPONSIBILITY OF THE ENGINEER OR ARCHITECT OF RECORD.
- 3) VISIBLE LIGHT WIDTH OR HEIGHT (ALSO REFERRED TO AS DAYLIGHT OPENING) IS MEASURED FROM BEADING TO BEADING.
- 4) SEE SHEET 15 FOR OPTIONAL EGRESS LOCK DETAILS.
- 5) ALL ANCHOR HEAD TYPES ARE ACCEPTABLE.

TABLE 4: INDEX OF INSTALLATION METHODS PER FRAME TYPE

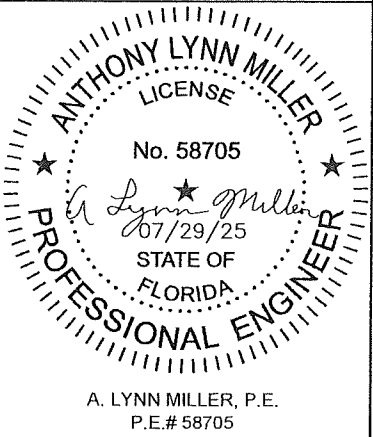
Frame Types (see Fig B)	Glass Options (see Table 1)	Installation Conditions	Substrate Option Detail Sheet
J-Channel (#1)	1 - 4	Through the integral fin.....	into 2X Wood Frame/Buckstrip - sheet 4, option 5into Metal - sheet 4, option 8
		Through the frame of the window.....	into 2X Wood Frame/Buckstrip - sheet 4, option 6into Metal - sheet 4, option 7
Flange (#2)	1 - 4	Through the frame of the window.....	into 2X Wood Frame/Buckstrip - sheet 3, option 1into Concrete/CMU - sheet 3, option 2through 1X Buckstrip into Concrete/CMU - sheet 3, option 3into Metal - sheet 3, option 4
			into 2X Wood Frame/Buckstrip - sheet 4, option 5into Metal - sheet 4, option 8
			into 2X Wood Frame/Buckstrip - sheet 4, option 6into Metal - sheet 4, option 7
Integral Fin (#3)	1 - 4	Through the integral fin.....	into 2X Wood Frame/Buckstrip - sheet 4, option 5into Metal - sheet 4, option 8
		Through the frame of the window.....	into 2X Wood Frame/Buckstrip - sheet 4, option 6into Metal - sheet 4, option 7
Box / Equal-Leg (#4)	1 - 4	Through the frame of the window.....	into 2X Wood Frame/Buckstrip - sheet 3, option 1into Concrete/CMU - sheet 3, option 2through 1X Buckstrip into Concrete/CMU - sheet 3, option 3into Metal - sheet 3, option 4

FIGURE B: FRAME TYPES



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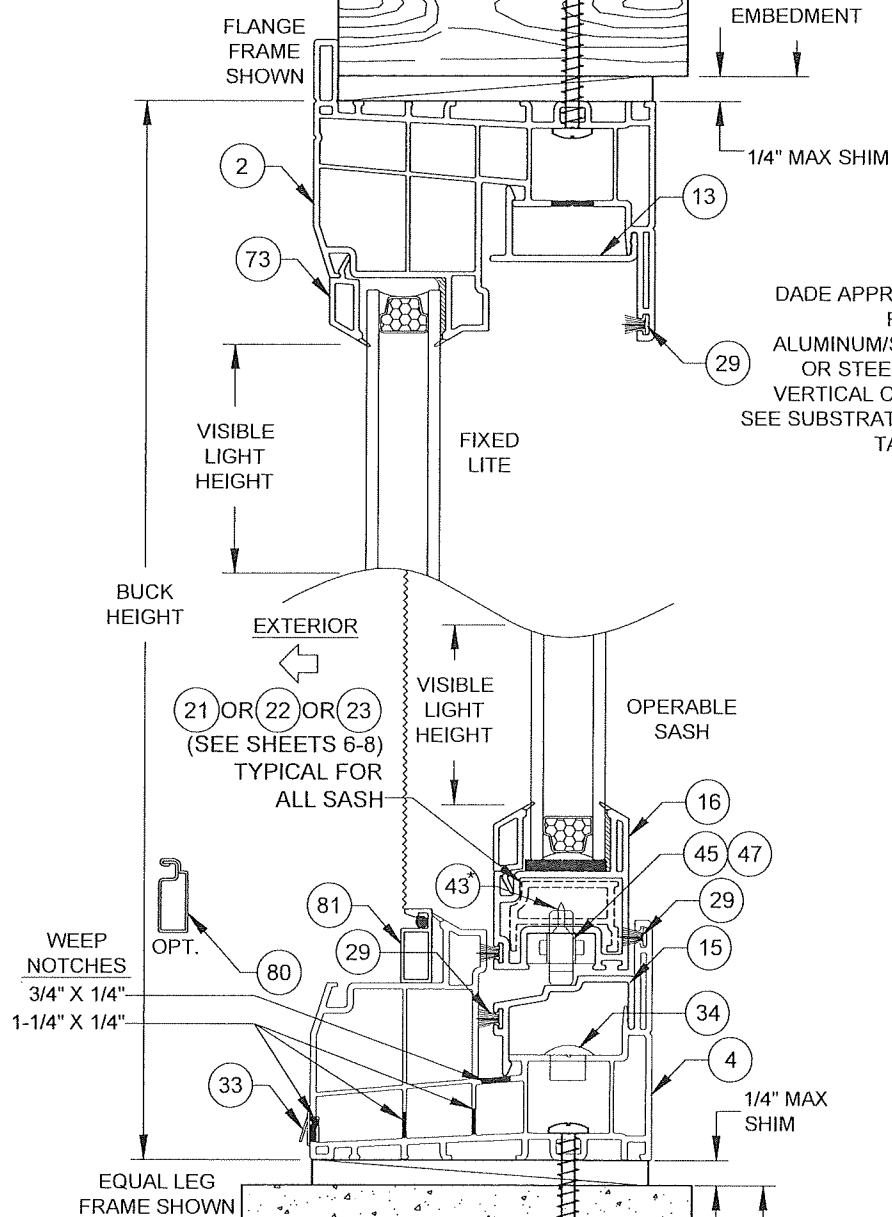
PGT Custom Windows and Doors 3400 PRECISION DRIVE N. VENICE, FL 34275 (941) 480-1600		PREPARED BY A. LYNN MILLER 1070 TECHNOLOGY DRIVE N. VENICE, FL 34275 (941) 480-1600 REGISTRATION #29296	
Series	Rev	Title	Date
		VINYL HORIZONTAL ROLLER WINDOW (NI)	05/15/15
Desc.		GLASS/ANCHORS/FRAMES	Drawn By JENS ROSOWSKI
Rev		NO CHANGES THIS SHEET. - AM	Rev Date 07/29/23
Sheet	2 OF 15	DWG No.	HR5410-NOA
Rev.			E



INSTALLATION DETAILS FOR FLANGE AND EQUAL-LEG FRAMES

INSTALLATION OPTION 1

ANCHORED THROUGH
FRAME INTO 2X WOOD
FRAME OR BUCKSTRIP.
SEE NOTE 2, SHEET 2.



INSTALLATION OPTION 2

ANCHORED THROUGH
FRAME DIRECTLY INTO
CONCRETE/CMU.

TYP. ANCHOR TYPE,
EMBEDMENT AND EDGE
DISTANCE PER SUBSTRATE,
SEE TABLE 2, SHEET 2.

VERTICAL SECTION B-B

WEEP NOTCHES
3/4" X 1/4"
1-1/4" X 1/4"

TYP. ANCHOR TYPE,
EMBEDMENT AND EDGE
DISTANCE PER SUBSTRATE,
SEE TABLE 2, SHEET 2.

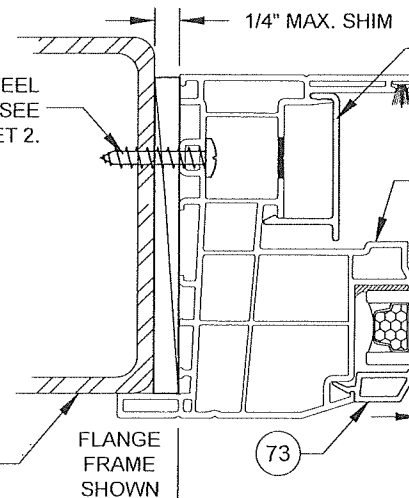
DADE APPROVED MULLION,
FBC COMPLIANT
ALUMINUM/STEEL FRAMING
OR STEEL STUD. MAY BE
VERTICAL OR HORIZONTAL.
SEE SUBSTRATE PROPERTIES,
TABLE 2, SHEET 2

**VISIBLE LIGHT FORMULAS
(EQUAL-LITE, XO & OX)**
WIDTH: BUCK WIDTH / 2 - 4-1/4"
HEIGHT: BUCK HEIGHT - 7-1/4"

INSTALLATION OPTION 4

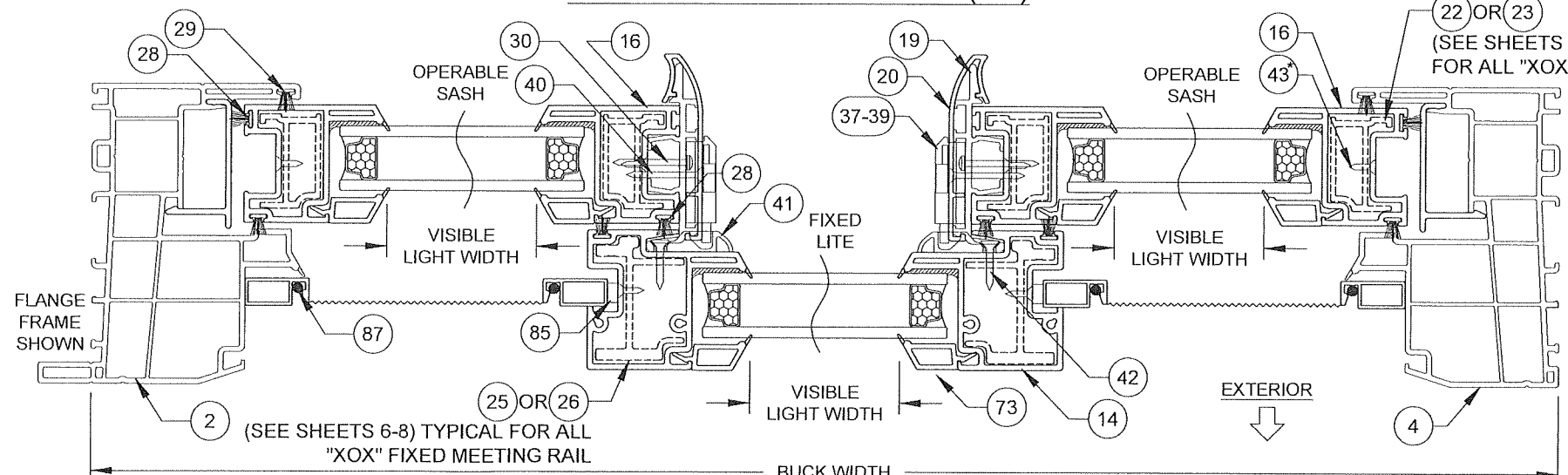
ANCHORED THROUGH
FRAME INTO METAL

#10 OR #12 STEEL
SMS (G5), SEE
TABLE 2, SHEET 2.



(SEE SHEETS 6-8) TYPICAL FOR ALL
"XO" OR "OX" FIXED MEETING RAIL

HORIZONTAL SECTION A-A (OX)



HORIZONTAL SECTION E-E (XOX)

INSTALLATION AS PER SECTION A-A ABOVE

INSTALLATION OPTION 3

ANCHORED THROUGH FRAME AND 1X
BUCKSTRIP INTO CONCRETE/CMU.
SEE NOTE 2, SHEET 2.

TYP. ANCHOR TYPE,
EMBEDMENT AND
EDGE DISTANCE PER
SUBSTRATE, SEE
TABLE 2, SHEET 2.

(1) AT MID-SPAN OF INTERLOCK
(1) 3-1/2" FROM EACH SASH
CORNER AND (1) AT CENTER OF
SASH STILES/RAILS

(22) OR (23)
(SEE SHEETS 7-8) TYPICAL
FOR ALL "XOX" SASH

EQUAL-LEG
FRAME
SHOWN

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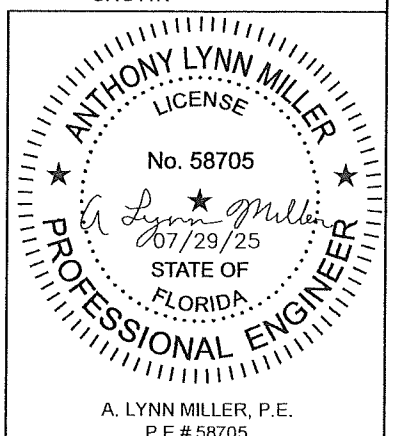
3400 PRECISION DRIVE
N. VENICE, FL 34275
(941) 480-1600

PREPARED BY A. LYNN MILLER
1070 TECHNOLOGY DRIVE
N. VENICE, FL 34275

(941) 480-1600

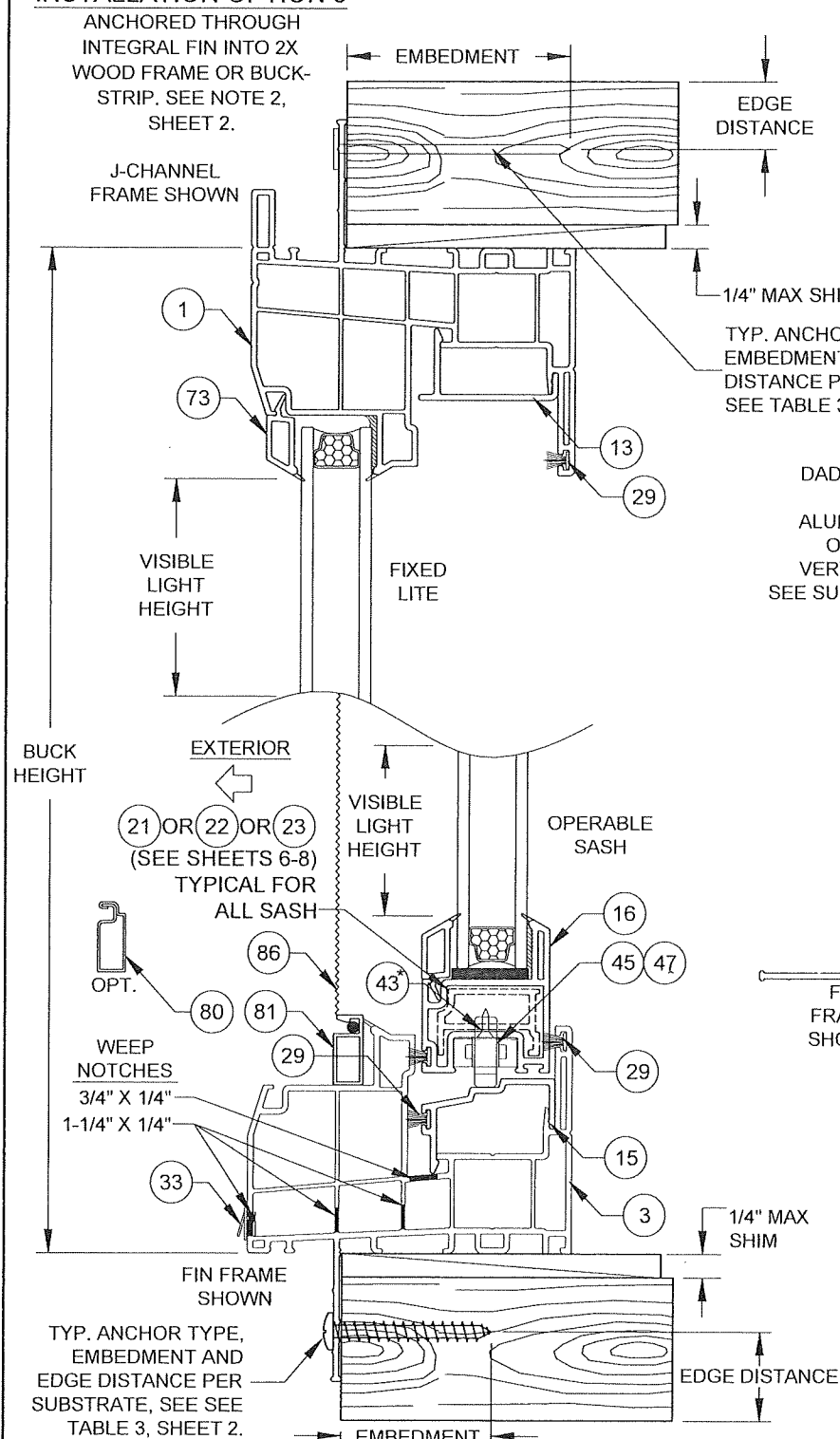
REGISTRATION #29296

Series	Rev	Title	Date
HR5410	3 OF 15	VINYL HORIZONTAL ROLLER WINDOW (NI)	05/15/15
Desc.	Rev	FLANGE & EQUAL-LEG FRAMES	07/29/25
Rev	Rev	NO CHANGES THIS SHEET - LY	07/29/23
DWG	Rev	HR5410-NOA	E



INSTALLATION DETAILS FOR FIN AND J-CHANNEL FRAMES

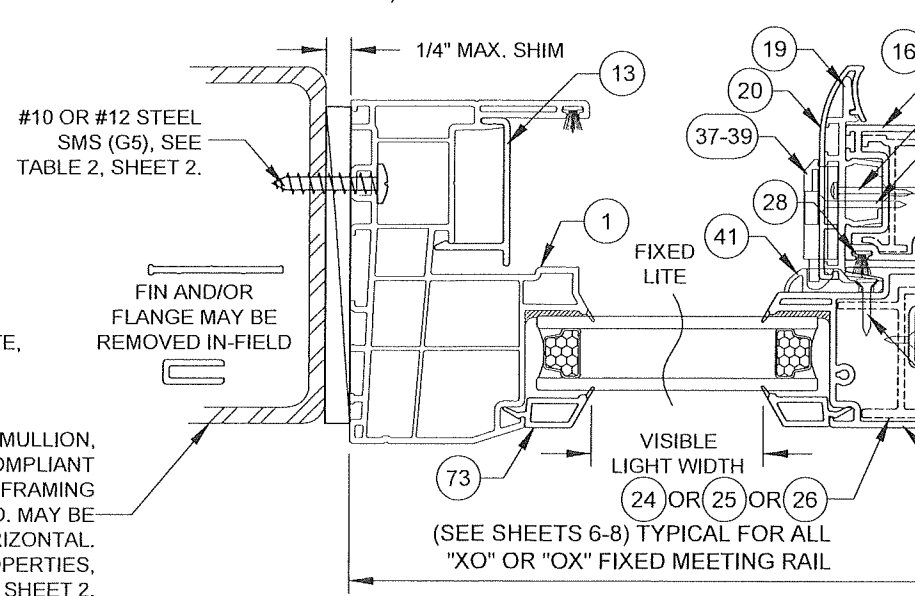
INSTALLATION OPTION 5



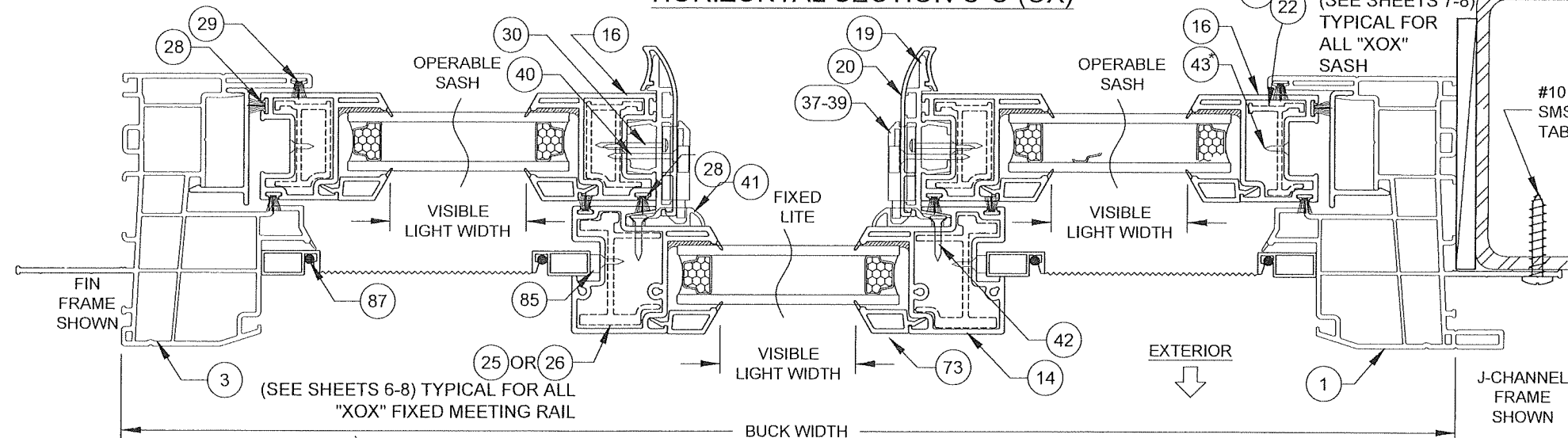
INSTALLATION OPTION 5
ANCHORED THROUGH INTEGRAL FIN INTO 2X WOOD FRAME OR BUCK-STRIP. SEE NOTE 2, SHEET 2.

VERTICAL SECTION D-D

INSTALLATION OPTION 7



HORIZONTAL SECTION C-C (OX)



HORIZONTAL SECTION F-F (XOX)

INSTALLATION AS PER SECTION D-D ABOVE

INSTALLATION OPTION 4 (FLANGE FRAME), ALLOWED WITH MULLION INSTALLATION, SEE SHEET 3 FOR DETAILS.

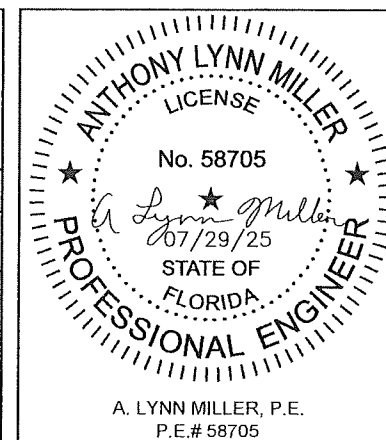
(1) AT MID-SPAN OF INTERLOCK
(1) 3-1/2" FROM EACH SASH CORNER AND (1) AT CENTER OF SASH STILES/RAILS

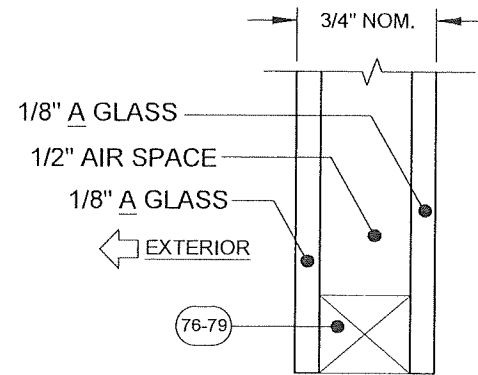
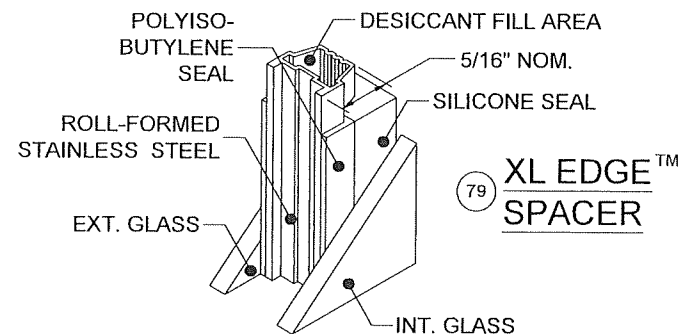
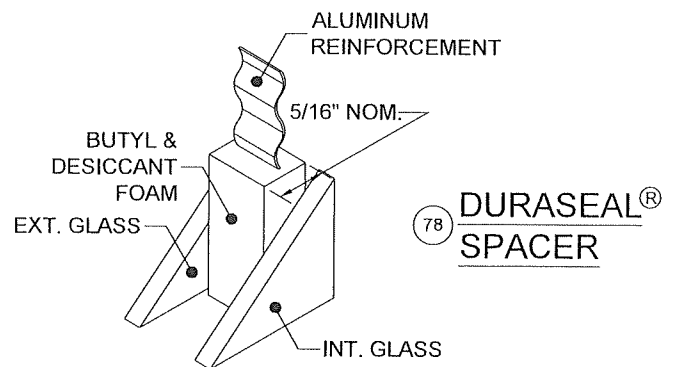
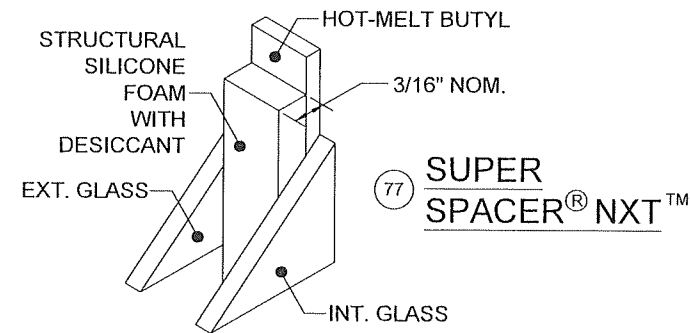
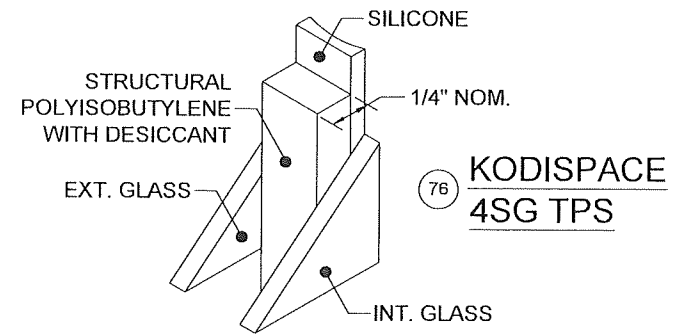
VISIBLE LIGHT FORMULAS (EQUAL-LITE, XO & OX)

WIDTH: BUCK WIDTH / 2 - 4-1/4"
HEIGHT: BUCK HEIGHT - 7-1/4"

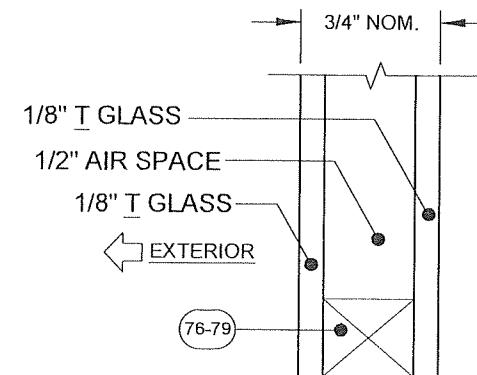
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Expiration Date 9/24/2030
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Title	VINYL HORIZONTAL ROLLER WINDOW (NI)	Date	05/15/15
Desc.	J-CHANNEL & FIN FRAMES	Drawn By	JENS ROSOWSKI
Rev	NO CHANGES THIS SHEET. - AM		
Rev Date	07/29/23		
Series	HR5410	Sheet	4 OF 15
DWG No.	HR5410-NOA	Rev.	E

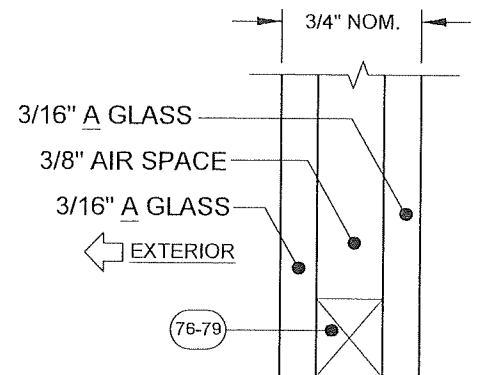




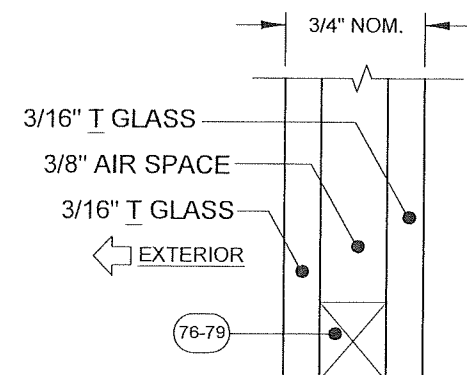
GLASS TYPE 1



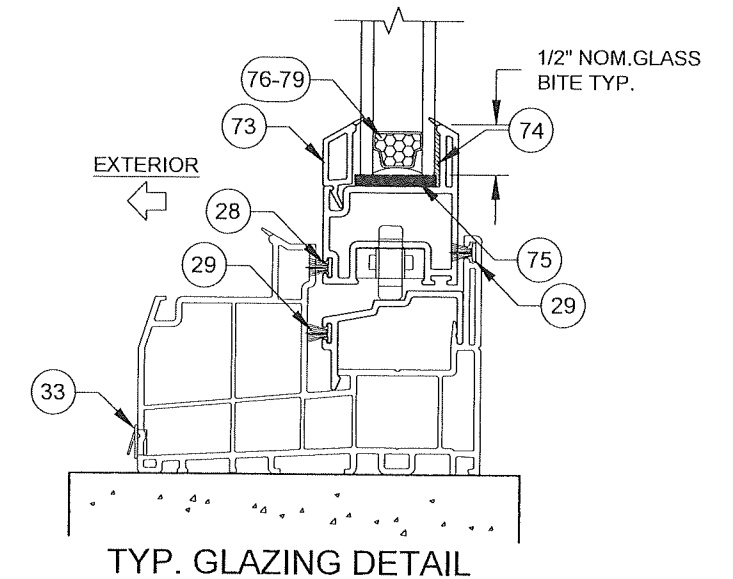
GLASS TYPE 2



GLASS TYPE 3



GLASS TYPE 4



TYP. GLAZING DETAIL

GLAZING NOTES:
"A" = ANNEALED
"T" = TEMPERED

Part #	Description	Material
76	Kommerling 4SG TPS Spacer System	See this Sheet for Materials
77	Quanex Super Spacer nXT with Hot Melt Butyl	
78	Quanex Duraseal Spacer	
79	Cardinal XL Edge Spacer	

REFERENCE TEST REPORTS: FTL-8717, 8968 & 8970

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Series	Rev	Desc.	Date
		VINYL HORIZONTAL ROLLER WINDOW (NI)	05/15/15
		GLAZING DETAILS	07/29/23
		NO CHANGES THIS SHEET - LY	
HR5410	5 OF 15	HR5410-NOA	E

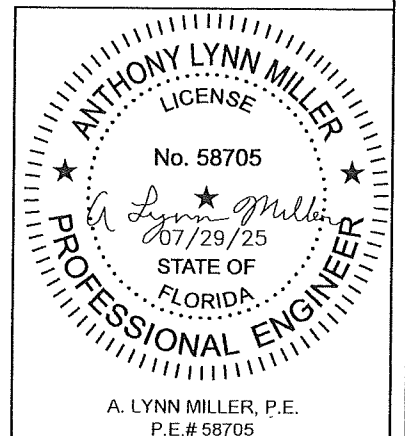


TABLE 5:

Index to All Design Pressure and Anchor Quantity Tables								
Config.	Max. Width	Max. Height	Glass Type	Reinf. Level	Design Pressure		Anchor Quantity	
					Table #	Page #	Table #	Page #
XO or OX	75"	54"	1	1	6	6	13	9
		54"		2	7	6	14	9
		63"		3	10	7	15	10
	75"	54"	2 - 4	1	6	6	13	9
		54"		2	7	6	14	9
		63"		3	10	7	15	10
XOX	120"	63"	1	3	8	7	17	11
	140"	63"	2 - 4	3	9	7	18	12
				4	12	8	19	13

TABLE 6:

Glass Types 1 - 4		Design Pressure (lbs/ft ²) for XO or OX Windows							
Reinf. Level		Window Buck Height							
R1		30"		36"		48"		54"	
Window Buck Width	25-1/2"	+65.0	-100.0	+65.0	-100.0	+65.0	-100.0	+65.0	-100.0
	28"	+65.0	-100.0	+65.0	-100.0	+65.0	-100.0	+65.0	-100.0
	36"	+65.0	-100.0	+65.0	-100.0	+65.0	-94.2	+65.0	-81.6
	42"	+65.0	-100.0	+65.0	-100.0	+65.0	-83.9	+65.0	-72.4
	48"	+65.0	-100.0	+65.0	-100.0	+65.0	-76.5	+65.0	-65.6
	60"	+65.0	-100.0	+65.0	-100.0	+65.0	-66.8	+56.5	-56.5
	75"	+65.0	-100.0	+65.0	-94.9	+60.3	-60.3	+50.0	-50.0

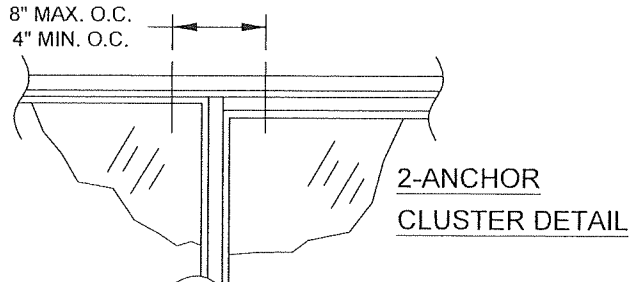
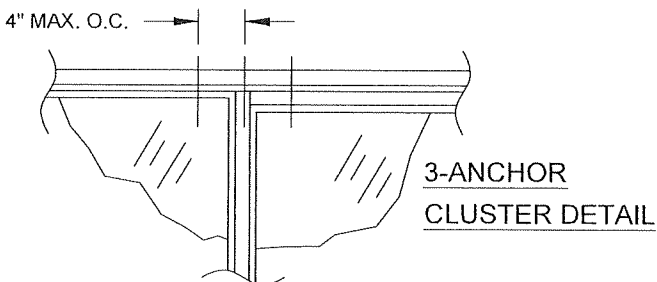
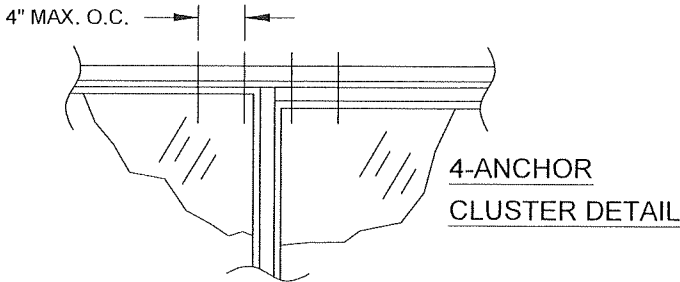
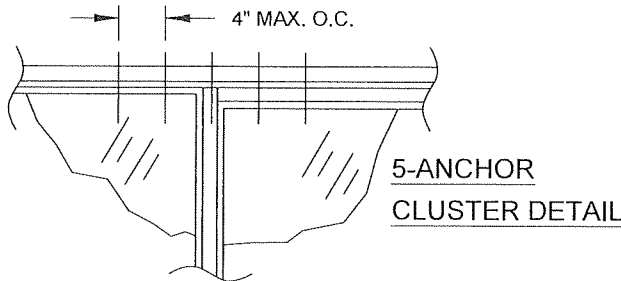
SEE TABLE 13 FOR ANCHORAGE

TABLE 7:

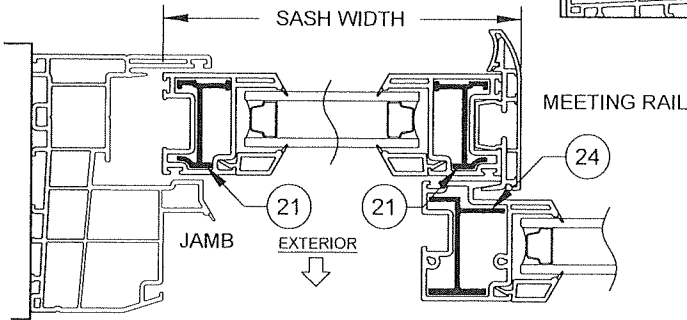
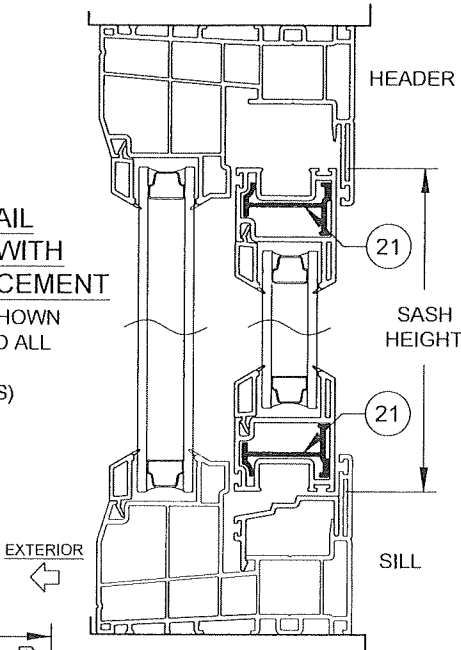
Glass Types 1 - 4		Design Pressure (lbs/ft ²) for XO or OX Windows							
Reinf. Level R2		Window Buck Height							
		30"		36"		48"		54"	
Window Buck Width	25-1/2"	+65.0	-130.0	+65.0	-130.0	+65.0	-130.0	+65.0	-130.0
	28"	+65.0	-130.0	+65.0	-130.0	+65.0	-130.0	+65.0	-130.0
	36"	+65.0	-130.0	+65.0	-130.0	+65.0	-116.5	+65.0	-109.5
	42"	+65.0	-130.0	+65.0	-130.0	+65.0	-91.7	+65.0	-82.4
	48"	+65.0	-130.0	+65.0	-129.4	+65.0	-85.9	+65.0	-72.6
	60"	+65.0	-130.0	+65.0	-114.8	+65.0	-83.5	+65.0	-71.8
	75"	+65.0	-109.5	+65.0	-94.9	+65.0	-72.9	+65.0*	-65.5*

* +65/-70 FOR GLASS TYPES 2-4

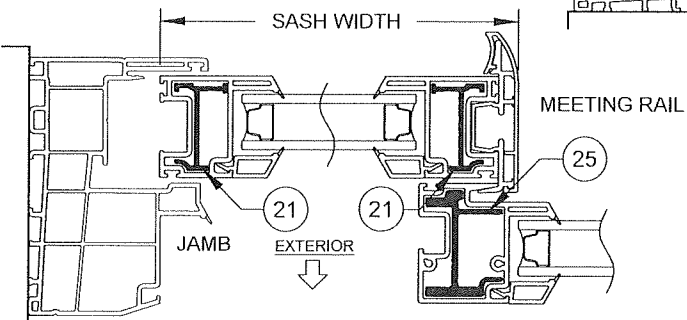
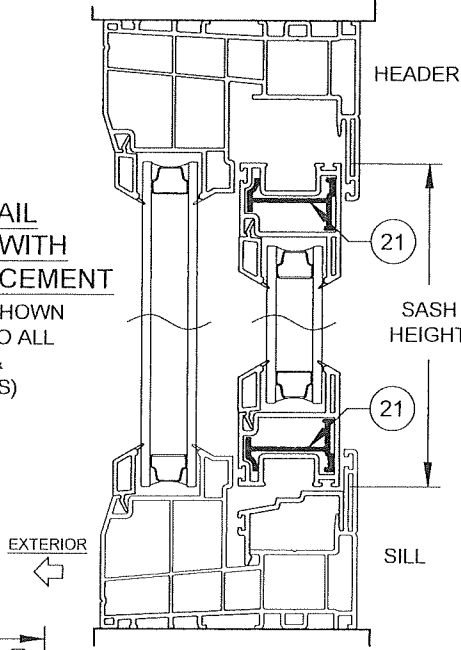
SEE TABLE 14 FOR ANCHORAGE



SECTION DETAIL FOR WINDOWS WITH LEVEL R1 REINFORCEMENT
(REINFORCEMENTS SHOWN IN FIGURES APPLY TO ALL FRAME TYPES & CONFIGURATIONS)



SECTION DETAIL FOR WINDOWS WITH LEVEL R2 REINFORCEMENT
(REINFORCEMENTS SHOWN IN FIGURES APPLY TO ALL FRAME TYPES & CONFIGURATIONS)



NOTES:
1) USE THESE TABLES FOR ALL WINDOWS INSTALLED THROUGH THE FRAME OR INTEGRAL FIN.
2) FRAME DIMENSIONS ARE BUCK WIDTH AND BUCK HEIGHT (SEE SHEETS 3-4). SASH SIZE IS AS PER THE FIGURE.
3) FOR SIZES NOT SHOWN, ROUND UP TO THE NEXT AVAILABLE WIDTH OR HEIGHT DIMENSION SHOWN ON THE TABLE.
4) "1/4-1/2-1/4" AND "1/3-1/3-1/3" INDICATE THAT THOSE STANDARD SASH CONFIGURATIONS FALL WITHIN THE SASH WIDTH RANGE IN THE ADJACENT COLUMN. "CUSTOM" INDICATES THAT NO STANDARD SASH CONFIGURATIONS FALL WITHIN THE RANGE

PRODUCT REVISED as complying with the Florida Building Code
Acceptance No 25-0801.04
Expiration Date 9/29/2030
By [Signature]
Miami Dade Product Control

PGT
Custom Windows and Doors
3400 PRECISION DRIVE
N. VENICE, FL 34275
(941) 480-1600

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

Desc.	VINYL HORIZONTAL ROLLER WINDOW (NI)		Date	05/15/15
Rev.	DESIGN PRESSURE TABLES		Drawn By	JENS ROSOWSKI
Rev.	NO CHANGES THIS SHEET - LY		Rev. Date	07/29/23
Series	HR5410	Sheet	6 OF 15	DWG No. HR5410-NOA
Rev.	E			

ANTHONY LYNN MILLER
LICENSE
No. 58705
07/29/25
STATE OF FLORIDA
PROFESSIONAL ENGINEER

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

TABLE 8:

Glass Type 1	Sash Configuration	Sash Width Range (in)	Design Pressure (lbs/ft ²) for XOX Windows									
			Window Buck Height									
			30"		36"		48"		54"		63"	
Reinf. Level R3												
Window Buck Width	35-1/4"	1/3-1/3-1/3	11.391 - 11.391	+65.0 -100.0	+65.0 -100.0	+65.0 -100.0	+65.0 -100.0	+65.0 -100.0	+65.0 -100.0	+65.0 -100.0	+65.0 -100.0	+65.0 -100.0
	38"	1/3-1/3-1/3	12.308 - 12.308	+65.0 -100.0	+65.0 -100.0	+65.0 -100.0	+65.0 -100.0	+65.0 -100.0	+65.0 -100.0	+65.0 -100.0	+65.0 -100.0	+65.0 -100.0
	45-1/8"	1/4-1/2-1/4	11.391 - 13.397	+65.0 -100.0	+65.0 -100.0	+65.0 -100.0	+65.0 -89.0	+65.0 -77.9	+65.0 -69.5	+65.0 -69.5	+65.0 -69.5	+65.0 -69.5
		1/3-1/3-1/3	13.398 - 14.683	+65.0 -100.0	+65.0 -100.0	+65.0 -100.0	+65.0 -100.0	+65.0 -100.0	+65.0 -100.0	+65.0 -100.0	+65.0 -100.0	+65.0 -100.0
	47-3/4"	1/4-1/2-1/4	11.391 - 12.297	+65.0 -100.0	+65.0 -100.0	+65.0 -100.0	+65.0 -85.6	+65.0 -72.2	+59.6 -59.6	+59.6 -59.6	+59.6 -59.6	+59.6 -59.6
		1/3-1/3-1/3	12.298 - 15.558	+65.0 -100.0	+65.0 -100.0	+65.0 -100.0	+65.0 -87.2	+65.0 -74.9	+65.0 -65.9	+65.0 -65.9	+65.0 -65.9	+65.0 -65.9
	52-1/8"	Custom	11.391 - 12.016	+65.0 -100.0	+65.0 -100.0	+65.0 -100.0	+65.0 -84.4	+65.0 -71.8	+56.3 -56.3	+56.3 -56.3	+56.3 -56.3	+56.3 -56.3
		1/4-1/2-1/4	12.017 - 13.397	+65.0 -100.0	+65.0 -100.0	+65.0 -100.0	+65.0 -85.0	+65.0 -71.8	+56.1 -56.1	+56.1 -56.1	+56.1 -56.1	+56.1 -56.1
		1/3-1/3-1/3	13.398 - 17.016	+65.0 -100.0	+65.0 -100.0	+65.0 -100.0	+65.0 -85.4	+65.0 -72.0	+58.7 -58.7	+58.7 -58.7	+58.7 -58.7	+58.7 -58.7
	60"	Custom	11.391 - 13.397	+65.0 -100.0	+65.0 -96.9	+65.0 -73.9	+65.0 -66.6	+55.9 -55.9	+55.9 -55.9	+55.9 -55.9	+55.9 -55.9	+55.9 -55.9
		1/4-1/2-1/4	13.398 - 15.360	+65.0 -100.0	+65.0 -100.0	+65.0 -100.0	+65.0 -80.8	+65.0 -70.7	+57.6 -57.6	+57.6 -57.6	+57.6 -57.6	+57.6 -57.6
		1/3-1/3-1/3	15.361 - 19.641	+65.0 -100.0	+65.0 -100.0	+65.0 -100.0	+65.0 -84.5	+65.0 -71.8	+56.3 -56.3	+56.3 -56.3	+56.3 -56.3	+56.3 -56.3
	75"	1/4-1/2-1/4	17.141 - 19.110	+65.0 -100.0	+65.0 -89.3	+65.0 -68.8	+61.4 -61.4	+52.5 -52.5	+52.5 -52.5	+52.5 -52.5	+52.5 -52.5	+52.5 -52.5
		1/3-1/3-1/3	19.111 - 24.641	+65.0 -100.0	+65.0 -98.1	+65.0 -74.5	+65.0 -67.2	+56.1 -56.1	+56.1 -56.1	+56.1 -56.1	+56.1 -56.1	+56.1 -56.1
	96"	1/3-1/3-1/3	27.641 - 32.516	+65.0 -100.0	+65.0 -89.3	+65.0 -68.8	+61.4 -61.4	+52.5 -52.5	+52.5 -52.5	+52.5 -52.5	+52.5 -52.5	+52.5 -52.5
		Custom	32.517 - 39.641	+65.0 -100.0	+65.0 -91.3	+65.0 -70.6	+63.0 -63.0	+53.7 -53.7	+53.7 -53.7	+53.7 -53.7	+53.7 -53.7	+53.7 -53.7
	120"	1/3-1/3-1/3	** - 39.641	+65.0 -100.0	+65.0 -89.3	+65.0 -68.8	+61.4 -61.4	+50.0 -50.0	+50.0 -50.0	+50.0 -50.0	+50.0 -50.0	+50.0 -50.0

** MIN. SASH SIZE = WINDOW WIDTH - 40.72
2

SEE TABLE 17 FOR ANCHORAGE

TABLE 9:

Glass Types 2 - 4	Sash Configuration	Sash Width Range (in)	Design Pressure (lbs/ft ²) for XOX Windows									
			Window Buck Height									
			30"		36"		48"		54"		63"	
Reinf. Level R3												
Window Buck Width	35-1/4"	1/3-1/3-1/3	11.391 - 11.391	+65.0 -100.0	+65.0 -100.0	+65.0 -100.0	+65.0 -100.0	+65.0 -100.0	+65.0 -100.0	+65.0 -100.0	+65.0 -100.0	+65.0 -100.0
	38"	1/3-1/3-1/3	12.308 - 12.308	+65.0 -100.0	+65.0 -100.0	+65.0 -100.0	+65.0 -100.0	+65.0 -100.0	+65.0 -100.0	+65.0 -100.0	+65.0 -100.0	+65.0 -100.0
	45-1/8"	1/4-1/2-1/4	11.391 - 13.397	+65.0 -100.0	+65.0 -100.0	+65.0 -100.0	+65.0 -100.0	+65.0 -100.0	+65.0 -100.0	+65.0 -100.0	+65.0 -100.0	+65.0 -100.0
		1/3-1/3-1/3	13.398 - 14.683	+65.0 -100.0	+65.0 -100.0	+65.0 -100.0	+65.0 -100.0	+65.0 -100.0	+65.0 -100.0	+65.0 -100.0	+65.0 -100.0	+65.0 -100.0
	47-3/4"	1/4-1/2-1/4	11.391 - 12.297	+65.0 -100.0	+65.0 -100.0	+65.0 -100.0	+65.0 -100.0	+65.0 -100.0	+65.0 -100.0	+65.0 -100.0	+65.0 -100.0	+65.0 -100.0
		1/3-1/3-1/3	12.298 - 15.558	+65.0 -100.0	+65.0 -100.0	+65.0 -100.0	+65.0 -100.0	+65.0 -100.0	+65.0 -100.0	+65.0 -100.0	+65.0 -100.0	+65.0 -100.0
	52-1/8"	Custom	11.391 - 12.016	+65.0 -100.0	+65.0 -100.0	+65.0 -100.0	+65.0 -100.0	+65.0 -100.0	+65.0 -100.0	+65.0 -100.0	+65.0 -100.0	+65.0 -100.0
		1/4-1/2-1/4	12.017 - 13.397	+65.0 -100.0	+65.0 -100.0	+65.0 -100.0	+65.0 -100.0	+65.0 -100.0	+65.0 -100.0	+65.0 -100.0	+65.0 -100.0	+65.0 -100.0
		1/3-1/3-1/3	13.398 - 17.016	+65.0 -100.0	+65.0 -100.0	+65.0 -100.0	+65.0 -100.0	+65.0 -100.0	+65.0 -100.0	+65.0 -100.0	+65.0 -100.0	+65.0 -100.0
	60"	Custom	11.391 - 13.397	+65.0 -100.0	+65.0 -100.0	+65.0 -100.0	+65.0 -100.0	+65.0 -100.0	+65.0 -100.0	+65.0 -100.0	+65.0 -100.0	+65.0 -100.0
		1/4-1/2-1/4	13.398 - 15.360	+65.0 -100.0	+65.0 -100.0	+65.0 -100.0	+65.0 -100.0	+65.0 -100.0	+65.0 -100.0	+65.0 -100.0	+65.0 -100.0	+65.0 -100.0
		1/3-1/3-1/3	15.361 - 19.641	+65.0 -100.0	+65.0 -100.0	+65.0 -100.0	+65.0 -100.0	+65.0 -100.0	+65.0 -100.0	+65.0 -100.0	+65.0 -100.0	+65.0 -100.0
	75"	Custom	11.391 - 13.397	+65.0 -100.0	+65.0 -100.0	+65.0 -100.0	+65.0 -94.4	+65.0 -86.8	+65.0 -68.7	+65.0 -68.7	+65.0 -68.7	+65.0 -68.7
		1/4-1/2-1/4	13.398 - 19.110	+65.0 -100.0	+65.0 -100.0	+65.0 -100.0	+65.0 -97.3	+65.0 -80.4	+63.8 -63.8	+63.8 -63.8	+63.8 -63.8	+63.8 -63.8
		1/3-1/3-1/3	19.111 - 24.641	+65.0 -100.0	+65.0 -100.0	+65.0 -100.0	+65.0 -94.1	+65.0 -79.4	+64.3 -64.3	+64.3 -64.3	+64.3 -64.3	+64.3 -64.3
	96"	Custom	17.641 - 19.397	+65.0 -100.0	+65.0 -90.4	+65.0 -82.8	+65.0 -75.6	+60.9 -60.9	+60.9 -60.9	+60.9 -60.9	+60.9 -60.9	+60.9 -60.9
		1/4-1/2-1/4	19.398 - 24.360	+65.0 -100.0	+65.0 -97.4	+65.0 -87.8	+65.0 -74.2	+57.5 -57.5	+57.5 -57.5	+57.5 -57.5	+57.5 -57.5	+57.5 -57.5
		1/3-1/3-1/3	24.361 - 31.641	+65.0 -100.0	+65.0 -100.0	+65.0 -85.0	+65.0 -69.9	+55.2 -55.2	+55.2 -55.2	+55.2 -55.2	+55.2 -55.2	+55.2 -55.2
	120"	1/4-1/2-1/4	29.641 - 32.515	+65.0 -100.0	+65.0 -90.4	+65.0 -82.8	+65.0 -68.6	+52.7 -52.7	+52.7 -52.7	+52.7 -52.7	+52.7 -52.7	+52.7 -52.7
		1/3-1/3-1/3	32.516 - 39.641	+65.0 -100.0	+65.0 -100.0	+65.0 -81.4	+65.0 -65.6	+50.5 -50.5	+50.5 -50.5	+50.5 -50.5	+50.5 -50.5	+50.5 -50.5
	140"	Custom	** - 39.641	+65.0 -100.0	+65.0 -90.4	+65.0 -81.4	+65.0 -65.6	+50.0 -50.0	+50.0 -50.0	+50.0 -50.0	+50.0 -50.0	+50.0 -50.0

** MIN. SASH SIZE = WINDOW WIDTH - 60.72
2

SEE TABLE 18 FOR ANCHORAGE

NOTES:

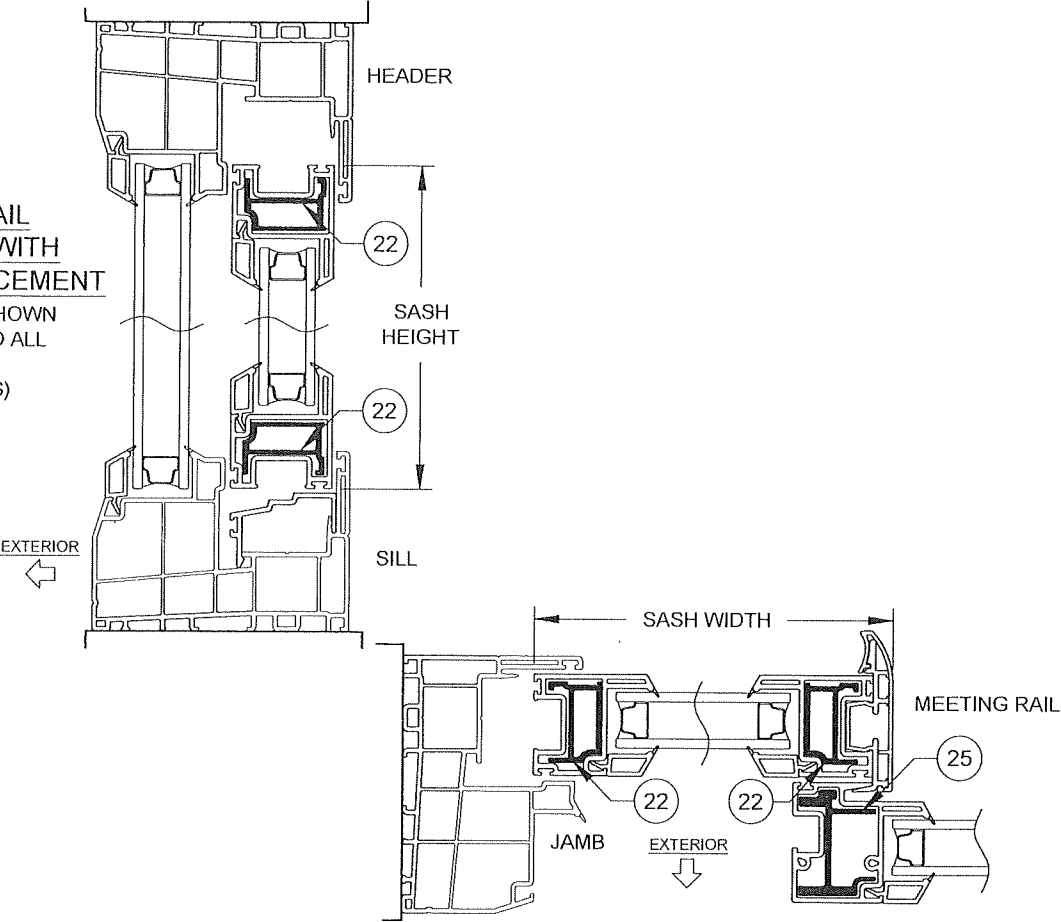
- 1) USE THESE TABLES FOR ALL WINDOWS INSTALLED THROUGH THE FRAME OR INTEGRAL FIN.
2) FRAME DIMENSIONS ARE BUCK WIDTH AND BUCK HEIGHT (SEE SHEETS 3-4). SASH SIZE IS AS PER THE FIGURE.
3) FOR SIZES NOT SHOWN, ROUND UP TO THE NEXT AVAILABLE WIDTH OR HEIGHT DIMENSION SHOWN ON THE TABLE.
4) "1/4-1/2-1/4" AND "1/3-1/3-1/3" INDICATE THAT THOSE STANDARD SASH CONFIGURATIONS FALL WITHIN THE SASH WIDTH RANGE IN THE ADJACENT COLUMN. "CUSTOM" INDICATES THAT NO STANDARD SASH CONFIGURATIONS FALL WITHIN THE RANGE.

TABLE 10:

Glass Types 1 - 4	Reinf. Level R3	Design Pressure (lbs/ft ²) for XO or OX Windows									
		Window Buck Height									
		30"		36"		48"		54"		63"	
Window Buck Width	25-1/2"	+65.0	-100.0	+65.0	-100.0	+65.0	-100.0	+65.0	-100.0	+65.0	-100.0
	28"	+65.0	-100.0	+65.0	-100.0	+65.0	-100.0	+65.0	-100.0	+65.0	-100.0
	36"	+65.0	-100.0	+65.0	-100.0	+65.0	-100.0	+65.0	-100.0	+65.0	-85.4
	42"	+65.0	-100.0	+65.0	-100.0	+65.0	-91.7	+65.0	-82.4	+65.0	-74.1
	48"	+65.0	-100.0	+65.0	-100.0	+65.0	-85.9	+65.0	-72.6	+60.9	-60.9
	60"	+65.0	-100.0	+65.0	-100.0	+65.0	-83.5	+65.0	-70.9	+56.7	-56.7
	75"	+65.0	-100.0	+65.0	-94.9	+65.0	-72.9	+62.8	-62.8	+50.0	-50.0

SEE TABLE 15 FOR ANCHORAGE

SECTION DETAIL
FOR WINDOWS WITH
LEVEL R3 REINFORCEMENT
(REINFORCEMENTS SHOWN
IN FIGURES APPLY TO ALL
FRAME TYPES &
CONFIGURATIONS)



PRODUCT REVISED

as complying with the Florida
Building Code
Acceptance No. 25-0801.04
Expiration Date 9/24/2030
By 1. Singh, L. Chandra
Miami Dade Product Control

PGT
Custom Windows and Doors

3400 PRECISION DRIVE
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(941) 480-1600

PREPARED BY A. LYNN MILLER
1070 TECHNOLOGY DRIVE
N. VENICE, FL 34275

(941) 480-1600

REGISTRATION #29296

Series	Rev	Desc.	Title	Date
			VINYL HORIZONTAL ROLLER WINDOW (NI)	05/15/15
			DESIGN PRESSURE TABLES	Drawn By JENS ROSOWSKI
			NO CHANGES THIS SHEET - LY	Rev Date 07/29/23
			HR5410	Sheet 7 OF 15
			DWG No. HR5410-NOA	Rev. E

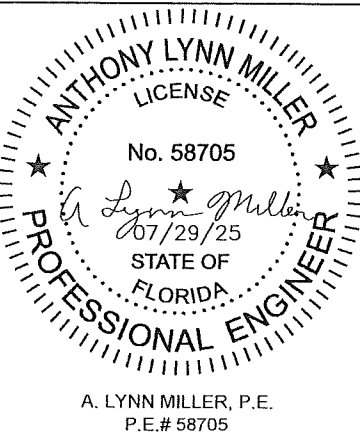


TABLE 11:

Glass Types 2 - 4		Design Pressure (lbs/ft ²) for XO or OX Windows									
Reinf. Level R4	Window Buck Height	Window Buck Height									
		36"		48"		54"		63"		72"	
Window Buck Width	25-1/2"	+65.0	-130.0	+65.0	-130.0	+65.0	-130.0	+65.0	-130.0	+65.0	-130.0
	28"	+65.0	-130.0	+65.0	-130.0	+65.0	-130.0	+65.0	-130.0	+65.0	-130.0
	36"	+65.0	-130.0	+65.0	-130.0	+65.0	-130.0	+65.0	-130.0	+65.0	-123.3
	42"	+65.0	-130.0	+65.0	-130.0	+65.0	-130.0	+65.0	-126.8	+65.0	-108.2
	48"	+65.0	-130.0	+65.0	-130.0	+65.0	-130.0	+65.0	-114.2	+65.0	-97.1
	60"	+65.0	-130.0	+65.0	-130.0	+65.0	-112.6	+65.0	-94.1	+65.0	-81.7
	75"	+65.0	-130.0	+65.0	-119.3	+65.0	-104.0	+65.0	-84.2	+65.0	-70.0

SEE TABLE 16 FOR ANCHORAGE

TABLE 12:

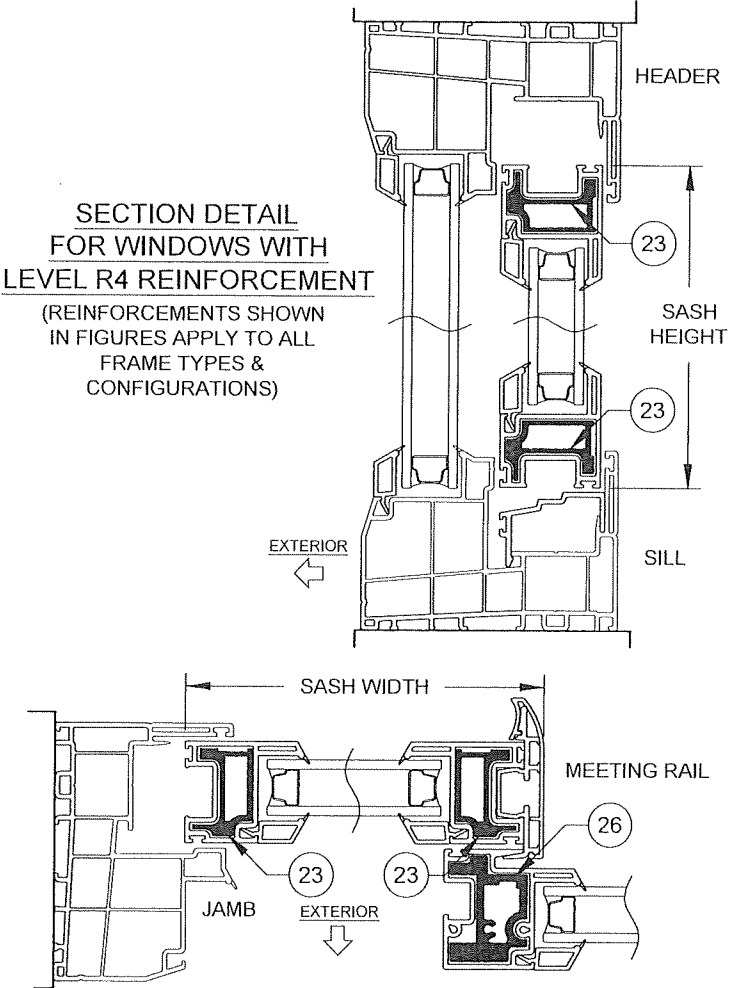
Glass Types 2 - 4		Sash Configuration	Sash Width Range (in)	Design Pressure (lbs/ft ²) for XOX Windows										
Reinf. Level R4	Window Buck Height													
	30"			36"		48"		54"		63"				
Window Buck Width	35-1/4"	⅓-⅓-⅓	11.391 - 11.391	+65.0	-130.0	+65.0	-130.0	+65.0	-130.0	+65.0	-130.0	+65.0	-130.0	
	38"	⅓-⅓-⅓	12.308 - 12.308	+65.0	-130.0	+65.0	-130.0	+65.0	-130.0	+65.0	-130.0	+65.0	-130.0	
	45-1/8"	¼-½-¼	11.391 - 13.397	+65.0	-130.0	+65.0	-130.0	+65.0	-130.0	+65.0	-130.0	+65.0	-130.0	
		⅓-⅓-⅓	13.398 - 14.683	+65.0	-130.0	+65.0	-130.0	+65.0	-130.0	+65.0	-130.0	+65.0	-130.0	
	47-3/4"	¼-½-¼	11.391 - 12.297	+65.0	-130.0	+65.0	-130.0	+65.0	-130.0	+65.0	-130.0	+65.0	-128.9	
		⅓-⅓-⅓	12.298 - 15.558	+65.0	-130.0	+65.0	-130.0	+65.0	-130.0	+65.0	-130.0	+65.0	-127.7	
	52-1/8"	Custom	11.391 - 12.016	+65.0	-130.0	+65.0	-130.0	+65.0	-130.0	+65.0	-116.2	+65.0	-98.2	
		¼-½-¼	12.017 - 13.397	+65.0	-130.0	+65.0	-130.0	+65.0	-130.0	+65.0	-121.3	+65.0	-104.3	
		⅓-⅓-⅓	13.398 - 17.016	+65.0	-130.0	+65.0	-130.0	+65.0	-130.0	+65.0	-130.0	+65.0	-118.7	
	60"	Custom	11.391 - 13.397	+65.0	-130.0	+65.0	-130.0	+65.0	-120.4	+65.0	-104.8	+65.0	-86.2	
		¼-½-¼	13.398 - 15.360	+65.0	-130.0	+65.0	-130.0	+65.0	-127.2	+65.0	-108.2	+65.0	-89.2	
		⅓-⅓-⅓	15.361 - 19.641	+65.0	-130.0	+65.0	-130.0	+65.0	-130.0	+65.0	-116.4	+65.0	-98.5	
	75"	Custom	11.391 - 13.397	+65.0	-119.7	+65.0	-109.6	+65.0	-94.4	+65.0	-86.8	+65.0	-75.2	
		¼-½-¼	13.398 - 19.110	+65.0	-130.0	+65.0	-121.2	+65.0	-102.2	+65.0	-91.7	+65.0	-79.3	
		⅓-⅓-⅓	19.111 - 24.641	+65.0	-130.0	+65.0	-130.0	+65.0	-121.1	+65.0	-105.2	+65.0	-86.4	
	96"	Custom	17.641 - 19.397	+65.0	-100.0	+65.0	-90.4	+65.0	-82.8	+65.0	-75.6	+65.0*	-67.3*	
		¼-½-¼	19.398 - 24.360	+65.0	-106.9	+65.0	-97.4	+65.0	-87.8	+65.0	-80.2	+65.0	-70.4	
		⅓-⅓-⅓	24.361 - 31.641	+65.0	-130.0	+65.0	-124.2	+65.0	-103.8	+65.0	-92.7	+65.0	-77.3	
	120"	¼-½-¼	29.641 - 32.515	+65.0	-100.0	+65.0	-90.4	+65.0	-82.8	+65.0	-75.6	+65.0*	-67.3*	
		⅓-⅓-⅓	32.516 - 39.641	+65.0	-111.6	+65.0	-103.0	+65.0	-90.6	+65.0	-83.4	+65.0	-70.7	
	140"	Custom	** - 39.641	+65.0	-100.0	+65.0	-90.4	+65.0	-82.8	+65.0	-75.6	+65.0*	-67.3*	

* +65/-70 FOR GLASS TYPES 2 & 4

SEE TABLE 19 FOR ANCHORAGE

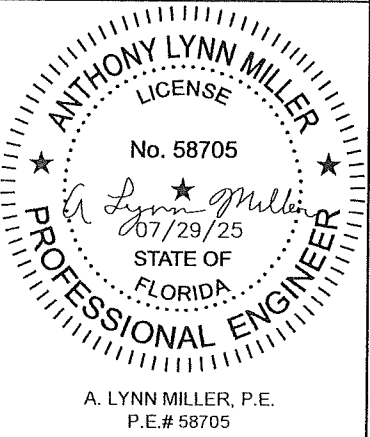
** MIN. SASH SIZE = $\frac{\text{WINDOW WIDTH} - 60.72}{2}$

NOTES:
1) USE THESE TABLES FOR ALL WINDOWS INSTALLED THROUGH THE FRAME OR INTEGRAL FIN.
2) FRAME DIMENSIONS ARE BUCK WIDTH AND BUCK HEIGHT (SEE SHEETS 3-4). SASH SIZE IS AS PER THE FIGURE.
3) FOR SIZES NOT SHOWN, ROUND UP TO THE NEXT AVAILABLE WIDTH OR HEIGHT DIMENSION SHOWN ON THE TABLE.
4) "1/4-1/2-1/4" AND "1/3-1/3-1/3" INDICATE THAT THOSE STANDARD SASH CONFIGURATIONS FALL WITHIN THE SASH WIDTH RANGE IN THE ADJACENT COLUMN. "CUSTOM" INDICATES THAT NO STANDARD SASH CONFIGURATIONS FALL WITHIN THE RANGE.



PRODUCT REVISED
as complying with the Florida
Building Code
Acceptance No. 25-0801.04
Expiration Date 9/24/2030
By Ismael L. Urrutia
Miami Dade Product Control

PGT Custom Windows and Doors 3400 PRECISION DRIVE N. VENICE, FL 34275 (941) 480-1600		PREPARED BY A. LYNN MILLER 1070 TECHNOLOGY DRIVE N. VENICE, FL 34275 (941) 480-1600 REGISTRATION #29296	
Series	Rev	Title	Date
		VINYL HORIZONTAL ROLLER WINDOW (NI)	05/15/15
Desc.		DESIGN PRESSURE TABLES	Drawn By JENS ROSOWSKI
Rev		NO CHANGES THIS SHEET - LY	Rev. Date 07/29/23
HR5410	Sheet	8 OF 15	DWG No. HR5410-NOA
			Rev. E



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

TABLE 13:

Glass Types 1 - 4		Sash Width (in)	Anchor Quantities for XO or OX Windows															
			30" Height		36" Height		48" Height		54" Height		30" Height		36" Height		48" Height		54" Height	
			Head & Sill	Jamb	Head & Sill	Jamb	Head & Sill	Jamb	Head & Sill	Jamb	Head & Sill	Jamb	Head & Sill	Jamb	Head & Sill	Jamb	Head & Sill	Jamb
Reinf. Level R1			Anchor Group A								Anchor Group C							
Window Buck Width	25-1/2"	12.147	1+C2+1	2	1+C2+1	3	1+C2+1	3	1+C2+1	3	1+C2+1	2	1+C2+1	3	1+C2+1	3	1+C2+1	3
	28"	13.397	1+C2+1	2	1+C2+1	3	1+C2+1	3	1+C2+1	3	1+C2+1	2	1+C2+1	3	1+C2+1	3	1+C2+1	3
	36"	17.397	1+C2+1	2	1+C2+1	3	1+C2+1	3	1+C2+1	3	1+C2+1	2	1+C2+1	3	1+C2+1	3	1+C2+1	3
	42"	20.397	1+C2+1	2	1+C2+1	3	1+C2+1	3	1+C2+1	3	1+C2+1	2	1+C2+1	3	1+C2+1	3	1+C2+1	3
	48"	23.397	1+C2+1	2	1+C2+1	3	1+C2+1	3	1+C2+1	3	1+C2+1	2	1+C2+1	3	1+C2+1	3	1+C2+1	3
	60"	29.397	2+C2+2	2	2+C2+2	3	2+C2+2	3	2+C2+2	3	2+C2+2	2	2+C2+2	3	2+C2+2	3	2+C2+2	3
75"	36.897	2+C2+2	2	2+C2+2	3	2+C2+2	3	2+C2+2	3	2+C2+2	2	2+C2+2	3	2+C2+2	3	2+C2+2	3	
			Anchor Group B								Anchor Group D							
Window Buck Width	25-1/2"	12.147	1+C2+1	2	1+C2+1	3	1+C2+1	3	1+C2+1	3	1+C2+1	2	1+C2+1	3	1+C2+1	3	1+C2+1	3
	28"	13.397	1+C2+1	2	1+C2+1	3	1+C2+1	3	1+C2+1	3	1+C2+1	2	1+C2+1	3	1+C2+1	3	1+C2+1	3
	36"	17.397	1+C2+1	2	1+C2+1	3	1+C2+1	3	1+C2+1	3	1+C2+1	2	1+C2+1	3	1+C2+1	3	1+C2+1	3
	42"	20.397	1+C2+1	2	1+C2+1	3	1+C2+1	3	1+C2+1	3	1+C2+1	2	1+C2+1	3	1+C2+1	3	1+C2+1	3
	48"	23.397	1+C2+1	2	1+C2+1	3	1+C2+1	3	1+C2+1	3	1+C2+1	2	1+C2+1	3	1+C2+1	3	1+C2+1	3
	60"	29.397	2+C2+2	2	2+C2+2	3	2+C2+2	3	2+C2+2	3	2+C2+2	2	2+C2+2	3	2+C2+2	3	2+C2+2	3
75"	36.897	2+C2+2	2	2+C2+2	3	2+C2+2	3	2+C2+2	3	2+C2+2	2	2+C2+2	3	2+C2+2	3	2+C2+2	3	

SEE TABLE 6 FOR DESIGN PRESSURE

TABLE 14:

Glass Types 1 - 4		Sash Width (in)	Anchor Quantities for XO or OX Windows															
			30" Height		36" Height		48" Height		54" Height		30" Height		36" Height		48" Height		54" Height	
Head & Sill	Jamb		Head & Sill	Jamb	Head & Sill	Jamb	Head & Sill	Jamb	Head & Sill	Jamb	Head & Sill	Jamb	Head & Sill	Jamb	Head & Sill	Jamb		
Anchor Group A								Anchor Group C										
Not Allowed																		
Anchor Group B								Anchor Group D										
Window Buck Width	25-1/2"	12.147	1+C2+1	2	1+C2+1	3	1+C2+1	3	1+C2+1	3	1+C2+1	2	1+C2+1	3	1+C2+1	3	1+C2+1	3
	28"	13.397	1+C2+1	2	1+C2+1	3	1+C2+1	3	1+C2+1	3	1+C2+1	2	1+C2+1	3	1+C2+1	3	1+C2+1	3
	36"	17.397	1+C2+1	2	1+C2+1	3	1+C2+1	3	1+C2+1	3	1+C2+1	2	1+C2+1	3	1+C2+1	3	1+C2+1	3
	42"	20.397	1+C2+1	2	1+C2+1	3	1+C2+1	3	1+C2+1	3	1+C2+1	2	1+C2+1	3	1+C2+1	3	1+C2+1	3
	48"	23.397	1+C2+1	2	1+C2+1	3	1+C2+1	3	1+C2+1	3	1+C2+1	2	1+C2+1	3	1+C2+1	3	1+C2+1	3
	60"	29.397	2+C2+2	2	2+C2+2	3	2+C2+2	3	2+C2+2	3	2+C2+2	2	2+C2+2	3	2+C2+2	3	2+C2+2	3
	75"	36.897	2+C2+2	2	2+C2+2	3	2+C2+2	3	2+C2+2	3	2+C2+2	2	2+C2+2	3	2+C2+2	3	2+C2+2	3

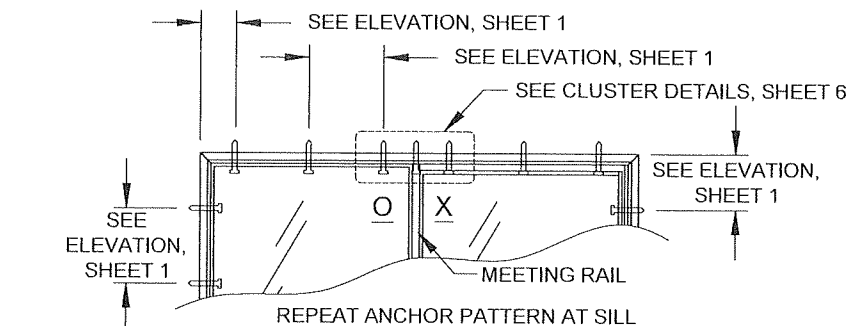
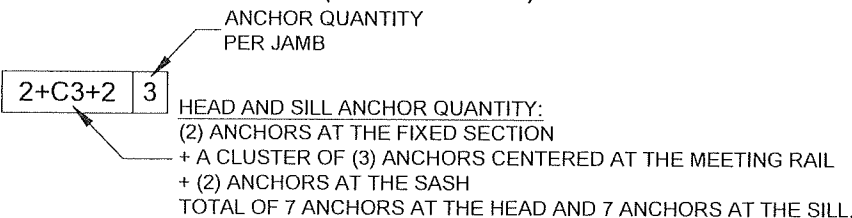
SEE TABLE 7 FOR DESIGN PRESSURE

MINIMUM ANCHOR QUANTITIES SHOWN. ALL ANCHORAGE MUST ALSO COMPLY WITH THE MAX. O.C. SPACING SHOWN ON THE ELEVATIONS.

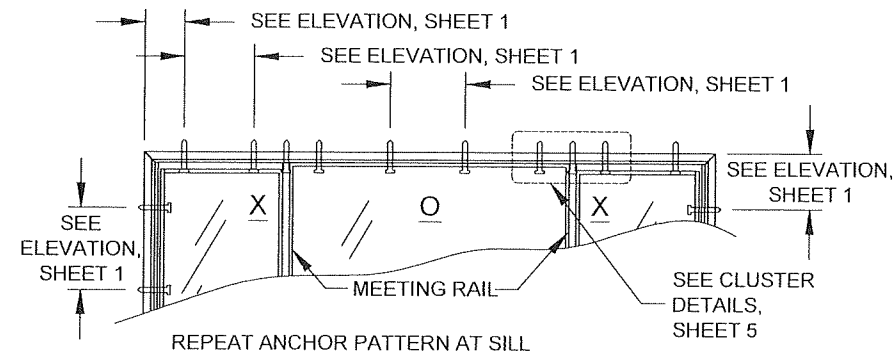
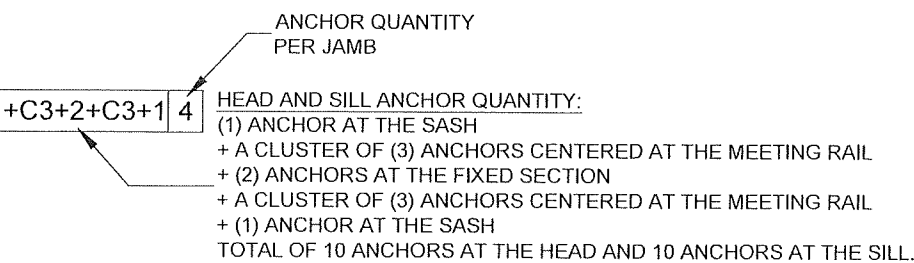
Max. Anchor O.C. Spacing for "Integral- Fin" Installation	Anchor Group E	Anchor Group F
	2.5"	4"

GUIDE TO USING ANCHOR QUANTITY TABLES

FOR OX WINDOWS (XO SIMILAR):



FOR XOX WINDOWS:



Max. Anchor O.C. Spacing for "Integral- Fin" Installation	Anchor Group F
	4"

NOTES:
1) FRAME DIMENSIONS ARE BUCK WIDTH AND BUCK HEIGHT (SEE SHEETS 3-4). SASH SIZE IS AS PER THE FIGURES ON SHEETS 6-8.
2) FOR SIZES NOT SHOWN, ROUND UP TO THE NEXT AVAILABLE WIDTH OR HEIGHT DIMENSION SHOWN ON THE TABLE.

PRODUCT REVISED
as complying with the Florida
Building Code
Acceptance No. 25-0801.04
Expiration Date 9/24/2030
By *Lynn Miller*
Miami Dade Product Control

NO CHANGES THIS
SHEET. - AM

Rev.		Date		By		Title	
E		05/15/15		JENS ROSOWSKI		ANCHOR QUANTITY TABLES	
9 OF 15		HR5410-NOA		HR5410		HR5410	

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

REGISTRATION #29296

Custom Windows and Doors
3400 PRECISION DRIVE
N. VENICE, FL 34275
(941) 480-1600

VINYL HORIZONTAL ROLLER WINDOW (NI)

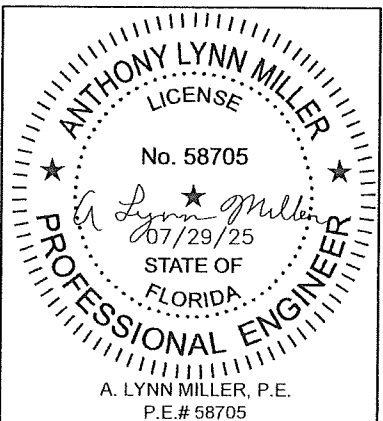


TABLE 15:

Glass Types 1 - 4			Sash Width (in)			Anchor Quantities for XO or OX Windows																			
						30" Height		36" Height		48" Height		54" Height		63" Height		30" Height		36" Height		48" Height		54" Height		63" Height	
						Head & Sill	Jamb	Head & Sill	Jamb	Head & Sill	Jamb	Head & Sill	Jamb	Head & Sill	Jamb	Head & Sill	Jamb	Head & Sill	Jamb	Head & Sill	Jamb	Head & Sill	Jamb	Head & Sill	Jamb
Reinf. Level R3			Anchor Group A										Anchor Group C												
Window Buck Width	25-1/2"	12.147	1+C2+1	2	1+C2+1	3	1+C2+1	4	1+C2+1	4	1+C2+1	4	1+C2+1	2	1+C2+1	3	1+C2+1	4	1+C2+1	4	1+C2+1	4			
	28"	13.397	1+C2+1	2	1+C2+1	3	1+C2+1	4	1+C2+1	4	1+C3+1	4	1+C2+1	2	1+C2+1	3	1+C2+1	4	1+C2+1	4	1+C2+1	4			
	36"	17.397	1+C2+1	2	1+C2+1	3	1+C2+1	4	1+C3+1	4	1+C3+1	4	1+C2+1	2	1+C2+1	3	1+C2+1	4	1+C2+1	4	1+C2+1	4			
	42"	20.397	1+C2+1	2	1+C2+1	3	1+C2+1	4	1+C3+1	4	1+C3+1	4	1+C2+1	2	1+C2+1	3	1+C2+1	4	1+C2+1	4	1+C2+1	4			
	48"	23.397	1+C2+1	2	1+C2+1	3	1+C2+1	4	1+C2+1	4	1+C2+1	4	1+C2+1	2	1+C2+1	3	1+C2+1	4	1+C2+1	4	1+C2+1	4			
	60"	29.397	2+C2+2	2	2+C2+2	3	2+C3+2	4	2+C3+2	4	2+C3+2	4	2+C2+2	2	2+C2+2	3	2+C2+2	4	2+C2+2	4	2+C2+2	4			
	75"	36.897	2+C2+2	2	2+C2+2	3	2+C3+2	4	2+C3+2	4	2+C3+2	4	2+C2+2	2	2+C2+2	3	2+C2+2	4	2+C2+2	4	2+C2+2	4			
			Anchor Group B										Anchor Group D												
Window Buck Width	25-1/2"	12.147	1+C2+1	2	1+C2+1	3	1+C2+1	4	1+C2+1	4	1+C2+1	4	1+C2+1	2	1+C2+1	3	1+C2+1	4	1+C2+1	4	1+C2+1	4			
	28"	13.397	1+C2+1	2	1+C2+1	3	1+C2+1	4	1+C2+1	4	1+C2+1	4	1+C2+1	2	1+C2+1	3	1+C2+1	4	1+C2+1	4	1+C2+1	4			
	36"	17.397	1+C2+1	2	1+C2+1	3	1+C2+1	4	1+C2+1	4	1+C2+1	4	1+C2+1	2	1+C2+1	3	1+C2+1	4	1+C2+1	4	1+C2+1	4			
	42"	20.397	1+C2+1	2	1+C2+1	3	1+C2+1	4	1+C2+1	4	1+C2+1	4	1+C2+1	2	1+C2+1	3	1+C2+1	4	1+C2+1	4	1+C2+1	4			
	48"	23.397	1+C2+1	2	1+C2+1	3	1+C2+1	4	1+C2+1	4	1+C2+1	4	1+C2+1	2	1+C2+1	3	1+C2+1	4	1+C2+1	4	1+C2+1	4			
	60"	29.397	2+C2+2	2	2+C2+2	3	2+C2+2	4	2+C2+2	4	2+C2+2	4	2+C2+2	2	2+C2+2	3	2+C2+2	4	2+C2+2	4	2+C2+2	4			
	75"	36.897	2+C2+2	2	2+C2+2	3	2+C2+2	4	2+C2+2	4	2+C2+2	4	2+C2+2	2	2+C2+2	3	2+C2+2	4	2+C2+2	4	2+C2+2	4			

SEE TABLE 10 FOR DESIGN PRESSURE

**Max. Anchor O.C.
Spacing for "Integral-
Fin" Installation**

Anchor Group E	Anchor Group F
2.5"	4"

NOTES:

1) FRAME DIMENSIONS ARE BUCK WIDTH AND BUCK HEIGHT (SEE SHEETS 3-4). SASH SIZE IS AS PER THE FIGURES ON SHEETS 6-8.

2) FOR SIZES NOT SHOWN, ROUND UP TO THE NEXT AVAILABLE WIDTH OR HEIGHT DIMENSION SHOWN ON THE TABLE.

3) SEE SHEET 9 FOR A GUIDE TO USING THESE TABLES.

4) "1/4-1/2-1/4" AND "1/3-1/3-1/3" INDICATE THAT THOSE STANDARD SASH CONFIGURATIONS FALL WITHIN THE SASH WIDTH RANGE IN THE ADJACENT COLUMN. "CUSTOM" INDICATES THAT NO STANDARD SASH CONFIGURATIONS FALL WITHIN THE RANGE

TABLE 16:

Glass Types 2 - 4		Sash Width (in)	Anchor Quantities for XO or OX Windows																							
			30" Height		36" Height		48" Height		54" Height		63" Height		72" Height		30" Height		36" Height		48" Height		54" Height		63" Height		72" Height	
Reinf. Level R4			Head & Sill	Jamb	Head & Sill	Jamb	Head & Sill	Jamb	Head & Sill	Jamb	Head & Sill	Jamb	Head & Sill	Jamb	Head & Sill	Jamb	Head & Sill	Jamb	Head & Sill	Jamb	Head & Sill	Jamb	Head & Sill	Jamb	Head & Sill	Jamb
			Anchor Group A												Anchor Group C											
Window Buck Width	25-1/2"	12.147	Not Allowed												1+C2+1	2	1+C2+1	3	1+C2+1	4	1+C3+1	4	1+C3+1	5	1+C4+1	5
	28"	13.397													1+C2+1	2	1+C2+1	3	1+C3+1	4	1+C3+1	4	1+C3+1	5	1+C4+1	5
	36"	17.397													1+C2+1	2	1+C2+1	3	1+C3+1	4	1+C4+1	4	1+C4+1	5	1+C4+1	5
	42"	20.397													1+C2+1	2	1+C2+1	3	1+C3+1	4	1+C4+1	4	1+C4+1	5	1+C4+1	5
	48"	23.397													1+C2+1	2	1+C3+1	3	1+C4+1	4	1+C4+1	4	1+C4+1	5	1+C4+1	5
	60"	29.397													2+C2+2	2	2+C3+2	3	2+C4+2	4	2+C4+2	4	2+C4+2	5	2+C4+2	5
	75"	36.897													2+C2+2	2	2+C3+2	3	2+C4+2	4	2+C4+2	4	2+C4+2	5	2+C4+2	5
			Anchor Group B												Anchor Group D											
Window Buck Width	25-1/2"	12.147	1+C2+1	2	1+C2+1	3	1+C2+1	4	1+C3+1	4	1+C3+1	5	1+C4+1	5	1+C2+1	2	1+C2+1	3	1+C2+1	4	1+C3+1	4	1+C3+1	5	1+C4+1	5
	28"	13.397	1+C2+1	2	1+C2+1	3	1+C3+1	4	1+C3+1	4	1+C3+1	5	1+C4+1	5	1+C2+1	2	1+C2+1	3	1+C3+1	4	1+C3+1	4	1+C3+1	5	1+C4+1	5
	36"	17.397	1+C2+1	2	1+C2+1	3	1+C3+1	4	1+C4+1	4	1+C4+1	5	1+C4+1	5	1+C2+1	2	1+C2+1	3	1+C3+1	4	1+C4+1	4	1+C4+1	5	1+C4+1	5
	42"	20.397	1+C2+1	2	1+C2+1	3	1+C3+1	4	1+C4+1	4	1+C4+1	5	1+C4+1	5	1+C2+1	2	1+C2+1	3	1+C3+1	4	1+C4+1	4	1+C4+1	5	1+C4+1	5
	48"	23.397	1+C2+1	2	1+C3+1	3	1+C4+1	4	1+C4+1	4	1+C4+1	5	1+C4+1	5	1+C2+1	2	1+C3+1	3	1+C4+1	4	1+C4+1	4	1+C4+1	5	1+C4+1	5
	60"	29.397	2+C2+2	2	2+C3+2	3	2+C4+2	4	2+C4+2	4	2+C4+2	5	2+C4+2	5	2+C2+2	2	2+C3+2	3	2+C4+2	4	2+C4+2	4	2+C4+2	5	2+C4+2	5
	75"	36.897	2+C2+2	2	2+C3+2	3	2+C4+2	4	2+C4+2	4	2+C4+2	5	2+C4+2	5	2+C2+2	2	2+C3+2	3	2+C4+2	4	2+C4+2	4	2+C4+2	5	2+C4+2	5

MINIMUM ANCHOR QUANTITIES SHOWN. ALL ANCHORAGE MUST ALSO COMPLY WITH THE MAX. O.C. SPACING SHOWN ON THE ELEVATIONS.

SEE TABLE 11 FOR DESIGN PRESSURE

PRODUCT REVISED
as complying with the Florida
Building Code
Acceptance No. 25-0801.04
Expiration Date 9/24/2030
By Ismael L. Chaves
Miami Dade Product Control

NO CHANGES THIS
SHEET. - AM

PREPARED BY A. LYNN MILLER 1070 TECHNOLOGY DRIVE N. VENICE, FL 34275 (941) 480-1600		REGISTRATION #29296		05/15/15		JENS ROSOWSKI		E	
PGT Custom Windows and Doors 3400 PRECISION DRIVE N. VENICE, FL 34275 (941) 480-1600		VINYL HORIZONTAL ROLLER WINDOW (NI)		Date		By		Rev	
ANCHOR QUANTITY TABLES		10 OF 15		Sheet		DWC		HR5410-NOA	
ANCHOR QUANTITY TABLES		HR5410		Title		Series		Desc.	

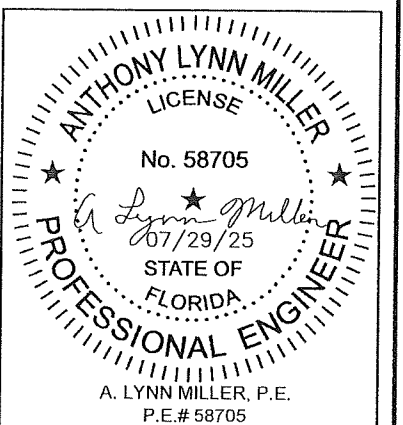


TABLE 17:

Glass Type 1		Sash Configuration	Sash Width Range (in)	Anchor Quantities for XOX Windows																							
				24" Height		30" Height		36" Height		48" Height		54" Height		63" Height		24" Height		30" Height		36" Height		48" Height		54" Height		63" Height	
				Head & Sill	Jamb	Head & Sill	Jamb	Head & Sill	Jamb	Head & Sill	Jamb	Head & Sill	Jamb	Head & Sill	Jamb	Head & Sill	Jamb	Head & Sill	Jamb	Head & Sill	Jamb	Head & Sill	Jamb	Head & Sill	Jamb	Head & Sill	Jamb
Reinf. Level R3				Anchor Group A												Anchor Group C											
Window Buck Width	35-1/4"	⅓-⅓-⅓	11.391 - 11.391	1+C2+0+C2+1	2	1+C2+0+C2+1	2	1+C2+0+C2+1	3	1+C2+0+C2+1	4	1+C2+0+C2+1	4	1+C2+0+C2+1	4	1+C2+0+C2+1	2	1+C2+0+C2+1	2	1+C2+0+C2+1	3	1+C2+0+C2+1	4	1+C2+0+C2+1	4	1+C2+0+C2+1	
	38"	⅓-⅓-⅓	12.308 - 12.308	1+C2+0+C2+1	2	1+C2+0+C2+1	2	1+C2+0+C2+1	3	1+C2+0+C2+1	4	1+C2+0+C2+1	4	1+C3+0+C3+1	4	1+C2+0+C2+1	2	1+C2+0+C2+1	2	1+C2+0+C2+1	3	1+C2+0+C2+1	4	1+C2+0+C2+1	4	1+C3+0+C3+1	
	45-1/8"	¼-½-¼	11.391 - 13.397	1+C2+0+C2+1	2	1+C2+0+C2+1	2	1+C2+0+C2+1	3	1+C3+0+C3+1	4	1+C3+0+C3+1	4	1+C3+0+C3+1	4	1+C2+0+C2+1	2	1+C2+0+C2+1	2	1+C2+0+C2+1	3	1+C3+0+C3+1	4	1+C3+0+C3+1	4	1+C3+0+C3+1	
		⅓-⅓-⅓	13.398 - 14.683	1+C2+0+C2+1	2	1+C2+0+C2+1	2	1+C2+0+C2+1	3	1+C3+0+C3+1	4	1+C3+0+C3+1	4	1+C3+0+C3+1	4	1+C2+0+C2+1	2	1+C2+0+C2+1	2	1+C2+0+C2+1	3	1+C3+0+C3+1	4	1+C3+0+C3+1	4	1+C3+0+C3+1	
	47-3/4"	¼-½-¼	11.391 - 12.297	1+C2+0+C2+1	2	1+C2+0+C2+1	2	1+C2+0+C2+1	3	1+C3+0+C3+1	4	1+C3+0+C3+1	4	1+C3+0+C3+1	4	1+C2+0+C2+1	2	1+C2+0+C2+1	2	1+C2+0+C2+1	3	1+C3+0+C3+1	4	1+C3+0+C3+1	4	1+C3+0+C3+1	
		⅓-⅓-⅓	12.298 - 15.558	1+C2+0+C2+1	2	1+C2+0+C2+1	2	1+C2+0+C2+1	3	1+C3+0+C3+1	4	1+C3+0+C3+1	4	1+C3+0+C3+1	4	1+C2+0+C2+1	2	1+C2+0+C2+1	2	1+C2+0+C2+1	3	1+C3+0+C3+1	4	1+C3+0+C3+1	4	1+C3+0+C3+1	
	52-1/8"	Custom	11.391 - 12.016	1+C2+2+C2+1	2	1+C2+2+C2+1	2	1+C2+2+C2+1	3	1+C2+1+C2+1	4	1+C2+1+C2+1	4	1+C2+1+C2+1	4	1+C2+1+C2+1	2	1+C2+1+C2+1	2	1+C2+1+C2+1	3	1+C2+1+C2+1	4	1+C2+1+C2+1	4	1+C2+1+C2+1	
		¼-½-¼	12.017 - 13.397	1+C2+0+C2+1	2	1+C2+0+C2+1	2	1+C3+0+C3+1	3	1+C3+0+C3+1	4	1+C3+0+C3+1	4	1+C3+0+C3+1	4	1+C2+0+C2+1	2	1+C2+0+C2+1	2	1+C3+0+C3+1	3	1+C3+0+C3+1	4	1+C3+0+C3+1	4	1+C3+0+C3+1	
		⅓-⅓-⅓	13.398 - 17.016	1+C2+0+C2+1	2	1+C2+0+C2+1	2	1+C3+0+C3+1	3	1+C3+0+C3+1	4	1+C3+0+C3+1	4	1+C3+0+C3+1	4	1+C2+0+C2+1	2	1+C2+0+C2+1	2	1+C3+0+C3+1	3	1+C3+0+C3+1	4	1+C3+0+C3+1	4	1+C3+0+C3+1	
	60"	Custom	11.391 - 13.397	1+C2+2+C2+1	2	1+C2+2+C2+1	2	1+C2+2+C2+1	3	1+C2+2+C2+1	4	1+C3+2+C3+1	4	1+C3+1+C3+1	4	1+C2+2+C2+1	2	1+C2+2+C2+1	2	1+C2+2+C2+1	3	1+C2+1+C2+1	4	1+C3+1+C3+1	4	1+C3+1+C3+1	
		¼-½-¼	13.398 - 15.360	1+C2+2+C2+1	2	1+C2+2+C2+1	2	1+C2+2+C2+1	3	1+C3+2+C3+1	4	1+C3+1+C3+1	4	1+C3+1+C3+1	4	1+C2+1+C2+1	2	1+C2+1+C2+1	2	1+C2+1+C2+1	3	1+C3+1+C3+1	4	1+C3+1+C3+1	4	1+C3+1+C3+1	
		⅓-⅓-⅓	15.361 - 19.641	1+C2+0+C2+1	2	1+C2+0+C2+1	2	1+C3+0+C3+1	3	1+C3+0+C3+1	4	1+C3+0+C3+1	4	1+C3+0+C3+1	4	1+C2+0+C2+1	2	1+C2+0+C2+1	2	1+C3+0+C3+1	3	1+C3+0+C3+1	4	1+C3+0+C3+1	4	1+C3+0+C3+1	
	75"	¼-½-¼	17.141 - 19.110	1+C2+2+C2+1	2	1+C2+2+C2+1	2	1+C2+2+C2+1	3	1+C2+2+C2+1	4	1+C3+2+C3+1	4	1+C3+2+C3+1	4	1+C2+2+C2+1	2	1+C2+2+C2+1	2	1+C2+2+C2+1	3	1+C2+1+C2+1	4	1+C3+1+C3+1	4	1+C3+1+C3+1	
		⅓-⅓-⅓	19.111 - 24.641	1+C2+0+C2+1	2	1+C3+0+C3+1	2	1+C3+0+C3+1	3	1+C3+0+C3+1	4	1+C4+0+C4+1	4	1+C4+0+C4+1	4	1+C2+0+C2+1	2	1+C3+0+C3+1	2	1+C3+0+C3+1	3	1+C3+0+C3+1	4	1+C4+0+C4+1	4	1+C4+0+C4+1	
	96"	⅓-⅓-⅓	27.641 - 32.516	2+C2+2+C2+2	2	2+C2+2+C2+2	2	2+C2+2+C2+2	3	2+C3+2+C3+2	4	1+C3+2+C3+1	4	1+C3+2+C3+1	4	1+C2+2+C2+1	2	1+C2+2+C2+1	2	1+C2+2+C2+1	3	1+C3+1+C3+1	4	1+C3+1+C3+1	4	1+C3+1+C3+1	
		Custom	32.517 - 39.641	2+C2+0+C2+2	2	2+C3+0+C3+2	2	2+C3+0+C3+2	3	2+C3+0+C3+2	4	2+C3+0+C3+2	4	2+C3+0+C3+2	4	2+C2+0+C2+2	2	2+C3+0+C3+2	2	2+C3+0+C3+2	3	2+C3+0+C3+2	4	2+C3+0+C3+2	4	2+C3+0+C3+2	
	120"	⅓-⅓-⅓	** - 39.641	2+C2+2+C2+2	2	3+C2+2+C2+3	2	2+C2+2+C2+3	3	2+C3+2+C3+2	4	2+C3+2+C3+2	4	2+C3+2+C3+2	4	2+C2+2+C2+2	2	2+C2+2+C2+2	2	2+C2+2+C2+2	3	2+C3+2+C3+2	4	2+C3+2+C3+2	4	2+C3+2+C3+2	
Window Buck Width				Anchor Group B												Anchor Group D											
	35-1/4"	⅓-⅓-⅓	11.391 - 11.391	1+C2+0+C2+1	2	1+C2+0+C2+1	2	1+C2+0+C2+1	3	1+C2+0+C2+1	4	1+C2+0+C2+1	4	1+C2+0+C2+1	4	1+C2+0+C2+1	2	1+C2+0+C2+1	2	1+C2+0+C2+1	3	1+C2+0+C2+1	4	1+C2+0+C2+1	4	1+C2+0+C2+1	
	38"	⅓-⅓-⅓	12.308 - 12.308	1+C2+0+C2+1	2	1+C2+0+C2+1	2	1+C2+0+C2+1	3	1+C2+0+C2+1	4	1+C2+0+C2+1	4	1+C2+0+C2+1	4	1+C3+0+C3+1	4	1+C2+0+C2+1	2	1+C2+0+C2+1	2	1+C2+0+C2+1	3	1+C2+0+C2+1	4	1+C2+0+C2+1	
	45-1/8"	¼-½-¼	11.391 - 13.397	1+C2+0+C2+1	2	1+C2+0+C2+1	2	1+C2+0+C2+1	3	1+C3+0+C3+1	4	1+C3+0+C3+1	4	1+C3+0+C3+1	4	1+C2+0+C2+1	2	1+C2+0+C2+1	2	1+C2+0+C2+1	3	1+C3+0+C3+1	4	1+C3+0+C3+1	4	1+C3+0+C3+1	
		⅓-⅓-⅓	13.398 - 14.683	1+C2+0+C2+1	2	1+C2+0+C2+1	2	1+C2+0+C2+1	3	1+C3+0+C3+1	4	1+C3+0+C3+1	4	1+C3+0+C3+1	4	1+C2+0+C2+1	2	1+C2+0+C2+1	2	1+C2+0+C2+1	3	1+C3+0+C3+1	4	1+C3+0+C3+1	4	1+C3+0+C3+1	
	47-3/4"	¼-½-¼	11.391 - 12.297	1+C2+0+C2+1	2	1+C2+0+C2+1	2	1+C2+0+C2+1	3	1+C3+0+C3+1	4	1+C3+0+C3+1	4	1+C3+0+C3+1	4	1+C2+0+C2+1	2	1+C2+0+C2+1	2	1+C2+0+C2+1	3	1+C3+0+C3+1	4	1+C3+0+C3+1	4	1+C3+0+C3+1	
		⅓-⅓-⅓	12.298 - 15.558	1+C2+0+C2+1	2	1+C2+0+C2+1	2	1+C2+0+C2+1	3	1+C3+0+C3+1	4	1+C3+0+C3+1	4	1+C3+0+C3+1	4	1+C2+0+C2+1	2	1+C2+0+C2+1	2	1+C2+0+C2+1	3	1+C3+0+C3+1	4	1+C3+0+C3+1	4	1+C3+0+C3+1	
	52-1/8"	Custom	11.391 - 12.016	1+C2+1+C2+1	2	1+C2+1+C2+1	2	1+C2+1+C2+1	3	1+C2+1+C2+1	4	1+C2+1+C2+1	4	1+C2+1+C2+1	4	1+C2+1+C2+1	2	1+C2+1+C2+1	2	1+C2+1+C2+1	3	1+C2+1+C2+1	4	1+C2+1+C2+1	4	1+C2+1+C2+1	
		¼-½-¼	12.017 - 13.397	1+C2+0+C2+1	2	1+C2+0+C2+1	2	1+C3+0+C3+1	3	1+C3+0+C3+1	4	1+C3+0+C3+1	4	1+C3+0+C3+1	4	1+C2+0+C2+1	2	1+C2+0+C2+1	2	1+C3+0+C3+1	3	1+C3+0+C3+1	4	1+C3+0+C3+1	4	1+C3+0+C3+1	
		⅓-⅓-⅓	13.398 - 17.016	1+C2+0+C2+1	2	1+C2+0+C2+1	2	1+C3+0+C3+1	3	1+C3+0+C3+1	4	1+C3+0+C3+1	4	1+C3+0+C3+1	4	1+C2+0+C2+1	2	1+C2+0+C2+1	2	1+C3+0+C3+1	3	1+C3+0+C3+1	4	1+C3+0+C3+1	4	1+C3+0+C3+1	
	60"	Custom	11.391 - 13.397	1+C2+2+C2+1	2	1+C2+2+C2+1	2	1+C2+2+C2+1	3	1+C2+1+C2+1	4	1+C3+1+C3+1	4	1+C3+1+C3+1	4	1+C2+1+C2+1	2	1+C2+2+C2+1	2	1+C2+2+C2+1	3	1+C2+1+C2+1	4	1+C3+1+C3+1	4	1+C3+1+C3+1	
		¼-½-¼	13.398 - 15.360	1+C2+1+C2+1	2	1+C2+2+C2+1	2	1+C2+2+C2+1	3	1+C3+1+C3+1	4	1+C3+1+C3+1	4	1+C3+1+C3+1	4	1+C2+1+C2+1	2	1+C2+1+C2+1	2	1+C2+1+C2+1	3	1+C3+1+C3+1	4	1+C3+1+C3+1	4	1+C3+1+C3+1	
		⅓-⅓-⅓	15.361 - 19.641	1+C2+0+C2+1	2	1+C2+0+C2+1	2	1+C3+0+C3+1	3	1+C3+0+C3+1	4	1+C3+0+C3+1	4	1+C3+0+C3+1	4	1+C2+0+C2+1	2	1+C2+0+C2+1	2	1+C3+0+C3+1	3	1+C3+0+C3+1	4	1+C3+0+C3+1	4	1+C3+0+C3+1	
	75"	¼-½-¼	17.141 - 19.110	1+C2+2+C2+1	2	1+C2+2+C2+1	2	1+C2+2+C2+1	3	1+C2+2+C2+1	4	1+C3+1+C3+1	4	1+C3+1+C3+1	4	1+C2+2+C2+1	2	1+C2+2+C2+1	2	1+C2+2+C2+1	3	1+C2+1+C2+1	4	1+C3+1+C3+1	4	1+C3+1+C3+1	
		⅓-⅓-⅓	19.111 - 24.641	1+C2+0+C2+1	2	1+C3+0+C3+1	2	1+C3+0+C3+1	3	1+C3+0+C3+1	4	1+C4+0+C4+1	4	1+C4+0+C4+1	4	1+C2+0+C2+1	2	1+C3+0+C3+1	2	1+C3+0+C3+1	3	1+C3+0+C3+1	4	1+C4+0+C4+1	4	1+C4+0+C4+1	
	96"	⅓-⅓-⅓	27.641 - 32.516	2+C2+2+C2+2	2	2+C2+2+C2+2	2	1+C2+2+C2+2	3	1+C3+2+C3+1	4	1+C3+1+C3+1	4	1+C3+1+C3+1	4	1+C2+2+C2+1	2	1+C2+2+C2+1	2	1+C2+2+C2+1	3	1+C3+1+C3+1	4	1+C3+1+C3+1	4	1+C3+1+C3+1	
		Custom	32.517 - 39.641	2+C2+0+C2+2	2	2+C3+0+C3+2	2	2+C3+0+C3+2	3	2+C3+0+C3+2	4	2+C3+0+C3+2	4	2+C3+0+C3+2	4	2+C2+0+C2+2	2	2+C3+0+C3+2	2	2+C3+0+C3+2	3	2+C3+0+C3+2	4	2+C3+0+C3+2	4	2+C3+0+C3+2	
120"	⅓-⅓-⅓	** - 39.641	2+C2+2+C2+2	2	2+C2+2+C2+2	2	2+C2+2+C2+2	3	2+C3+2+C3+2	4	2+C3+2+C3+2	4	2+C3+2+C3+2	4	2+C2+2+C2+2	2	2+C2+2+C2+2	2	2+C2+2+C2+2	3	2+C3+2+C3+2	4	2+C3+2+C3+2	4	2+C3+2+C3+2		

** MIN. SASH SIZE = WINDOW WIDTH - 40.72
2

SEE TABLE 8 FOR DESIGN PRESSURE

Max. Anchor O.C. Spacing for "Integral- Fin" Installation	Anchor Group E	Anchor Group F
	2.3"	4"

- NOTES:
- 1) USE THESE TABLES FOR ALL WINDOWS INSTALLED THROUGH THE FRAME OR INTEGRAL FIN.
 - 2) FRAME DIMENSIONS ARE BUCK WIDTH AND BUCK HEIGHT (SEE SHEETS 3-4). SASH SIZE IS AS PER THE FIGURE.
 - 3) FOR SIZES NOT SHOWN, ROUND UP TO THE NEXT AVAILABLE WIDTH OR HEIGHT DIMENSION SHOWN ON THE TABLE.
 - 4) "1/4-1/2-1/4" AND "1/3-1/3-1/3" INDICATE THAT THOSE STANDARD SASH CONFIGURATIONS FALL WITHIN THE SASH WIDTH RANGE IN THE ADJACENT COLUMN. "CUSTOM" INDICATES THAT NO STANDARD SASH CONFIGURATIONS FALL WITHIN THE RANGE.

MINIMUM ANCHOR QUANTITIES SHOWN. ALL ANCHORAGE MUST ALSO COMPLY WITH THE MAX. O.C. SPACING SHOWN ON THE ELEVATIONS.

PRODUCT REVISED
as complying with the Florida
Building Code
Acceptance No. 25-0801-04
Expiration Date 9/24/2030
By Lynn Miller
Miami Dade Product Control

NO CHANGES THIS
SHEET. - AM

PGT Custom Windows and Doors 3400 PRECISION DRIVE N. VENICE, FL 34275 (941) 480-1600		REGISTRATION #29296		05/15/15	
				Date	
PREPARED BY A. LYNN MILLER 1070 TECHNOLOGY DRIVE N. VENICE, FL 34275 (941) 480-1600		JENS ROSOWSKI			
		By		HR5410-NOA	Rev
		Drawn			
VINYL HORIZONTAL ROLLER WINDOW (NI)		ANCHOR QUANTITY TABLES		DWG No.	11 OF 15
3400 PRECISION DRIVE N. VENICE, FL 34275 (941) 480-1600		Sheet		HR5410	
Title		Desc.		Series	

TABLE 18: MINIMUM ANCHOR QUANTITIES SHOWN. ALL ANCHORAGE MUST ALSO COMPLY WITH THE MAX. O.C. SPACING SHOWN ON THE ELEVATIONS.

Glass Types 2 - 4		Sash Configuration	Sash Width Range (in)	Anchor Quantities for XOX Windows																																											
				24" Height		30" Height		36" Height		48" Height		54" Height		63" Height		24" Height		30" Height		36" Height		48" Height		54" Height		63" Height																					
				Head & Sill	Jamb	Head & Sill	Jamb	Head & Sill	Jamb	Head & Sill	Jamb	Head & Sill	Jamb	Head & Sill	Jamb	Head & Sill	Jamb	Head & Sill	Jamb	Head & Sill	Jamb	Head & Sill	Jamb	Head & Sill	Jamb	Head & Sill	Jamb																				
Reinf. Level R3		Anchor Group A																						Anchor Group C																							
Window Buck Width	35-1/4"	⅓-⅓-⅓	11.391 - 11.391	1+C2+0+C2+1	2	1+C2+0+C2+1	2	1+C2+0+C2+1	2	1+C2+0+C2+1	3	1+C2+0+C2+1	4	1+C2+0+C2+1	4	1+C2+0+C2+1	2	1+C2+0+C2+1	2	1+C2+0+C2+1	2	1+C2+0+C2+1	3	1+C2+0+C2+1	4	1+C2+0+C2+1	4	1+C2+0+C2+1	4																		
	38"	⅓-⅓-⅓	12.308 - 12.308	1+C2+0+C2+1	2	1+C2+0+C2+1	2	1+C2+0+C2+1	2	1+C2+0+C2+1	3	1+C2+0+C2+1	4	1+C2+0+C2+1	4	1+C3+0+C3+1	4	1+C2+0+C2+1	2	1+C2+0+C2+1	2	1+C2+0+C2+1	2	1+C2+0+C2+1	3	1+C2+0+C2+1	4	1+C2+0+C2+1	4	1+C3+0+C3+1	4																
	45-1/8"	¼-½-¼	11.391 - 13.397	1+C2+0+C2+1	2	1+C2+0+C2+1	2	1+C2+0+C2+1	2	1+C2+0+C2+1	3	1+C3+0+C3+1	4	1+C3+0+C3+1	4	1+C4+0+C4+1	4	1+C2+0+C2+1	2	1+C2+0+C2+1	2	1+C2+0+C2+1	2	1+C2+0+C2+1	3	1+C3+0+C3+1	4	1+C3+0+C3+1	4	1+C4+0+C4+1	4																
		⅓-⅓-⅓	13.398 - 14.683	1+C2+0+C2+1	2	1+C2+0+C2+1	2	1+C2+0+C2+1	2	1+C2+0+C2+1	3	1+C3+0+C3+1	4	1+C3+0+C3+1	4	1+C3+0+C3+1	4	1+C2+0+C2+1	2	1+C2+0+C2+1	2	1+C2+0+C2+1	2	1+C2+0+C2+1	3	1+C3+0+C3+1	4	1+C3+0+C3+1	4	1+C3+0+C3+1	4																
	47-3/4"	¼-½-¼	11.391 - 12.297	1+C2+0+C2+1	2	1+C2+0+C2+1	2	1+C2+0+C2+1	2	1+C2+0+C2+1	3	1+C3+0+C3+1	4	1+C3+0+C3+1	4	1+C4+0+C4+1	4	1+C2+0+C2+1	2	1+C2+0+C2+1	2	1+C2+0+C2+1	2	1+C2+0+C2+1	3	1+C3+0+C3+1	4	1+C3+0+C3+1	4	1+C4+0+C4+1	4																
		⅓-⅓-⅓	12.298 - 15.558	1+C2+0+C2+1	2	1+C2+0+C2+1	2	1+C2+0+C2+1	2	1+C2+0+C2+1	3	1+C3+0+C3+1	4	1+C3+0+C3+1	4	1+C3+0+C3+1	4	1+C2+0+C2+1	2	1+C2+0+C2+1	2	1+C2+0+C2+1	2	1+C2+0+C2+1	3	1+C3+0+C3+1	4	1+C3+0+C3+1	4	1+C3+0+C3+1	4																
	52-1/8"	Custom	11.391 - 12.016	1+C2+0+C2+1	2	1+C2+0+C2+1	2	1+C3+0+C3+1	3	1+C3+0+C3+1	4	1+C4+0+C4+1	4	1+C4+0+C4+1	4	1+C4+0+C4+1	4	1+C2+0+C2+1	2	1+C2+0+C2+1	2	1+C3+0+C3+1	3	1+C3+0+C3+1	4	1+C4+0+C4+1	4	1+C4+0+C4+1	4	1+C4+0+C4+1	4																
		¼-½-¼	12.017 - 13.397	1+C2+0+C2+1	2	1+C2+0+C2+1	2	1+C3+0+C3+1	3	1+C3+0+C3+1	4	1+C4+0+C4+1	4	1+C4+0+C4+1	4	1+C4+0+C4+1	4	1+C2+0+C2+1	2	1+C2+0+C2+1	2	1+C3+0+C3+1	3	1+C3+0+C3+1	4	1+C4+0+C4+1	4	1+C4+0+C4+1	4	1+C4+0+C4+1	4																
		⅓-⅓-⅓	13.398 - 17.016	1+C2+0+C2+1	2	1+C2+0+C2+1	2	1+C3+0+C3+1	3	1+C3+0+C3+1	4	1+C4+0+C4+1	4	1+C4+0+C4+1	4	1+C4+0+C4+1	4	1+C2+0+C2+1	2	1+C2+0+C2+1	2	1+C3+0+C3+1	3	1+C3+0+C3+1	4	1+C4+0+C4+1	4	1+C4+0+C4+1	4	1+C4+0+C4+1	4																
	60"	Custom	11.391 - 13.397	1+C2+2+C2+1	2	1+C2+2+C2+1	2	1+C2+2+C2+1	3	1+C3+2+C3+1	4	1+C3+2+C3+1	4	1+C3+2+C3+1	4	1+C3+2+C3+1	4	1+C2+2+C2+1	2	1+C2+2+C2+1	2	1+C2+2+C2+1	2	1+C2+2+C2+1	3	1+C3+2+C3+1	4	1+C3+2+C3+1	4	1+C3+1+C3+1	4																
		¼-½-¼	13.398 - 15.360	1+C2+2+C2+1	2	1+C2+2+C2+1	2	1+C2+2+C2+1	3	1+C3+2+C3+1	4	1+C3+2+C3+1	4	1+C3+2+C3+1	4	1+C3+2+C3+1	4	1+C2+1+C2+1	2	1+C2+1+C2+1	2	1+C2+1+C2+1	2	1+C2+1+C2+1	3	1+C3+1+C3+1	4	1+C3+1+C3+1	4	1+C3+1+C3+1	4																
		⅓-⅓-⅓	15.361 - 19.641	1+C2+0+C2+1	2	1+C2+0+C2+1	2	1+C3+0+C3+1	3	1+C4+0+C4+1	4	1+C4+0+C4+1	4	1+C4+0+C4+1	4	1+C4+0+C4+1	4	1+C2+0+C2+1	2	1+C2+0+C2+1	2	1+C3+0+C3+1	3	1+C4+0+C4+1	4	1+C4+0+C4+1	4	1+C4+0+C4+1	4	1+C4+0+C4+1	4																
	75"	Custom	11.391 - 13.397	1+C2+3+C2+1	2	1+C2+3+C2+1	2	1+C2+4+C2+1	3	1+C3+4+C3+1	4	1+C3+4+C3+1	4	1+C3+4+C3+1	4	1+C3+3+C3+1	4	1+C2+2+C2+1	2	1+C2+2+C2+1	2	1+C2+3+C2+1	3	1+C3+3+C3+1	4	1+C3+3+C3+1	4	1+C3+2+C3+1	4	1+C3+2+C3+1	4																
		¼-½-¼	13.398 - 19.110	1+C2+3+C2+1	2	1+C2+3+C2+1	2	1+C2+3+C2+1	3	1+C3+3+C3+1	4	1+C3+3+C3+1	4	1+C3+3+C3+1	4	1+C3+2+C3+1	4	1+C2+2+C2+1	2	1+C2+2+C2+1	2	1+C2+2+C2+1	2	1+C2+2+C2+1	3	1+C3+2+C3+1	4	1+C3+2+C3+1	4	1+C3+2+C3+1	4																
		⅓-⅓-⅓	19.111 - 24.641	1+C2+0+C2+1	2	1+C3+0+C3+1	2	1+C3+0+C3+1	3	1+C4+0+C4+1	4	1+C4+0+C4+1	4	1+C4+0+C4+1	4	1+C4+0+C4+1	4	1+C2+0+C2+1	2	1+C3+0+C3+1	2	1+C3+0+C3+1	3	1+C4+0+C4+1	4	1+C4+0+C4+1	4	1+C4+0+C4+1	4	1+C4+0+C4+1	4																
	96"	Custom	17.641 - 19.397	1+C2+4+C2+1	2	1+C2+4+C2+1	2	1+C2+4+C2+1	3	1+C3+4+C3+1	4	1+C3+4+C3+1	4	1+C3+4+C3+1	4	1+C3+3+C3+1	4	1+C2+3+C2+1	2	1+C2+3+C2+1	2	1+C2+3+C2+1	2	1+C2+3+C2+1	3	1+C3+3+C3+1	4	1+C3+3+C3+1	4	1+C3+2+C3+1	4																
¼-½-¼		19.398 - 24.360	1+C2+3+C2+1	2	1+C2+4+C2+1	2	1+C2+4+C2+1	3	1+C3+4+C3+1	4	1+C3+4+C3+1	4	1+C3+4+C3+1	4	1+C3+3+C3+1	4	1+C2+2+C2+1	2	1+C2+3+C2+1	2	1+C2+3+C2+1	2	1+C2+3+C2+1	3	1+C3+3+C3+1	4	1+C3+3+C3+1	4	1+C3+2+C3+1	4																	
⅓-⅓-⅓		24.361 - 31.641	2+C2+3+C2+2	2	2+C2+3+C2+2	2	2+C2+3+C2+2	3	2+C3+3+C3+2	4	1+C3+2+C3+1	4	1+C3+2+C3+1	4	1+C3+2+C3+1	4	1+C2+2+C2+1	2	1+C2+2+C2+1	2	1+C2+2+C2+1	2	1+C2+2+C2+1	3	1+C3+2+C3+1	4	1+C3+2+C3+1	4	1+C3+2+C3+1	4																	
120"	¼-½-¼	29.641 - 32.515	2+C2+4+C2+2	2	2+C2+4+C2+2	2	2+C2+4+C2+2	3	2+C3+4+C3+2	4	2+C3+4+C3+2	4	2+C3+4+C3+2	4	2+C3+3+C3+2	4	2+C2+3+C2+2	2	2+C2+3+C2+2	2	2+C2+3+C2+2	2	2+C2+3+C2+2	3	2+C3+3+C3+2	4	2+C3+3+C3+2	4	2+C3+2+C3+2	4																	
	⅓-⅓-⅓	32.516 - 39.641	2+C2+3+C2+2	2	3+C2+4+C2+3	2	3+C2+4+C2+3	3	2+C3+4+C3+2	4	2+C3+4+C3+2	4	2+C3+4+C3+2	4	2+C3+3+C3+2	4	2+C2+2+C2+2	2	2+C2+3+C2+2	2	2+C2+3+C2+2	2	2+C2+3+C2+2	3	2+C3+3+C3+2	4	2+C3+2+C3+2	4	2+C3+2+C3+2	4																	
140"	Custom	** - 39.641	2+C2+4+C2+2	2	3+C2+4+C2+3	2	2+C2+4+C2+3	3	2+C3+4+C3+2	4	2+C3+4+C3+2	4	2+C3+4+C3+2	4	2+C3+3+C3+2	4	2+C2+3+C2+2	2	2+C2+3+C2+2	2	2+C2+3+C2+2	2	2+C2+3+C2+2	3	2+C3+3+C3+2	4	2+C3+3+C3+2	4	2+C3+2+C3+2	4																	
				Anchor Group B																						Anchor Group D																					
Window Buck Width	35-1/4"	⅓-⅓-⅓	11.391 - 11.391	1+C2+0+C2+1	2	1+C2+0+C2+1	2	1+C2+0+C2+1	2	1+C2+0+C2+1	3	1+C2+0+C2+1	4	1+C2+0+C2+1	4	1+C2+0+C2+1	2	1+C2+0+C2+1	2	1+C2+0+C2+1	2	1+C2+0+C2+1	2	1+C2+0+C2+1	3	1+C2+0+C2+1	4	1+C2+0+C2+1	4	1+C2+0+C2+1	4																
	38"	⅓-⅓-⅓	12.308 - 12.308	1+C2+0+C2+1	2	1+C2+0+C2+1	2	1+C2+0+C2+1	2	1+C2+0+C2+1	3	1+C2+0+C2+1	4	1+C2+0+C2+1	4	1+C3+0+C3+1	4	1+C2+0+C2+1	2	1+C2+0+C2+1	2	1+C2+0+C2+1	2	1+C2+0+C2+1	2	1+C2+0+C2+1	3	1+C2+0+C2+1	4	1+C2+0+C2+1	4	1+C3+0+C3+1	4														
	45-1/8"	¼-½-¼	11.391 - 13.397	1+C2+0+C2+1	2	1+C2+0+C2+1	2	1+C2+0+C2+1	2	1+C2+0+C2+1	3	1+C3+0+C3+1	4	1+C3+0+C3+1	4	1+C4+0+C4+1	4	1+C2+0+C2+1	2	1+C2+0+C2+1	2	1+C2+0+C2+1	2	1+C2+0+C2+1	2	1+C3+0+C3+1	4	1+C3+0+C3+1	4	1+C4+0+C4+1	4	1+C4+0+C4+1	4														
		⅓-⅓-⅓	13.398 - 14.683	1+C2+0+C2+1	2	1+C2+0+C2+1	2	1+C2+0+C2+1	2	1+C2+0+C2+1	3	1+C3+0+C3+1	4	1+C3+0+C3+1	4	1+C3+0+C3+1	4	1+C2+0+C2+1	2	1+C2+0+C2+1	2	1+C2+0+C2+1	2	1+C2+0+C2+1	2	1+C3+0+C3+1	4	1+C3+0+C3+1	4	1+C3+0+C3+1	4	1+C3+0+C3+1	4														
	47-3/4"	¼-½-¼	11.391 - 12.297	1+C2+0+C2+1	2	1+C2+0+C2+1	2	1+C2+0+C2+1	2	1+C2+0+C2+1	3	1+C3+0+C3+1	4	1+C3+0+C3+1	4	1+C4+0+C4+1	4	1+C2+0+C2+1	2	1+C2+0+C2+1	2	1+C2+0+C2+1	2	1+C2+0+C2+1	2	1+C3+0+C3+1	4	1+C3+0+C3+1	4	1+C4+0+C4+1	4	1+C4+0+C4+1	4														
		⅓-⅓-⅓	12.298 - 15.558	1+C2+0+C2+1	2	1+C2+0+C2+1	2	1+C2+0+C2+1	2	1+C2+0+C2+1	3	1+C3+0+C3+1	4	1+C3+0+C3+1	4	1+C3+0+C3+1	4	1+C2+0+C2+1	2	1+C2+0+C2+1	2	1+C2+0+C2+1	2	1+C2+0+C2+1	2	1+C3+0+C3+1	4	1+C3+0+C3+1	4	1+C3+0+C3+1	4	1+C3+0+C3+1	4														
	52-1/8"	Custom	11.391 - 12.016	1+C2+0+C2+1	2	1+C2+0+C2+1	2	1+C3+0+C3+1	3	1+C3+0+C3+1	4	1+C4+0+C4+1	4	1+C4+0+C4+1	4	1+C4+0+C4+1	4	1+C2+0+C2+1	2	1+C2+0+C2+1	2	1+C3+0+C3+1	3	1+C3+0+C3+1	4	1+C4+0+C4+1	4	1+C4+0+C4+1	4	1+C4+0+C4+1	4	1+C4+0+C4+1	4														
		¼-½-¼	12.017 - 13.397	1+C2+0+C2+1	2	1+C2+0+C2+1	2	1+C3+0+C3+1	3	1+C3+0+C3+1	4	1+C4+0+C4+1	4	1+C4+0+C4+1	4	1+C4+0+C4+1	4	1+C2+0+C2+1	2	1+C2+0+C2+1	2	1+C3+0+C3+1	3	1+C3+0+C3+1	4	1+C4+0+C4+1	4	1+C4+0+C4+1	4	1+C4+0+C4+1	4	1+C4+0+C4+1	4														
		⅓-⅓-⅓	13.398 - 17.016	1+C2+0+C2+1	2	1+C2+0+C2+1	2	1+C3+0+C3+1	3	1+C3+0+C3+1	4	1+C4+0+C4+1	4	1+C4+0+C4+1	4	1+C4+0+C4+1	4	1+C2+0+C2+1	2	1+C2+0+C2+1	2	1+C3+0+C3+1	3	1+C3+0+C3+1	4	1+C4+0+C4+1	4	1+C4+0+C4+1	4	1+C4+0+C4+1	4	1+C4+0+C4+1	4														
	60"	Custom	11.391 - 13.397	1+C2+2+C2+1	2	1+C2+2+C2+1	2	1+C2+2+C2+1	3	1+C3+2+C3+1	4	1+C3+2+C3+1	4	1+C3+2+C3+1	4	1+C3+2+C3+1	4	1+C2+1+C2+1	2	1+C2+2+C2+1	2	1+C2+2+C2+1	2	1+C2+2+C2+1	2	1+C3+2+C3+1	4	1+C3+2+C3+1	4	1+C3+1+C3+1	4	1+C3+1+C3+1	4														
		¼-½-¼	13.398 - 15.360	1+C2+1+C2+1	2	1+C2+2+C2+1	2	1+C2+2+C2+1	3	1+C3+2+C3+1	4	1+C3+1+C3+1	4	1+C3+1+C3+1	4	1+C3+1+C3+1	4	1+C2+1+C2+1	2	1+C2+1+C2+1	2	1+C2+1+C2+1	2	1+C2+1+C2+1	2	1+C3+1+C3+1	4	1+C3+1+C3+1	4	1+C3+1+C3+1	4	1+C3+1+C3+1	4														
		⅓-⅓-⅓	15.361 - 19.641	1+C2+0+C2+1	2	1+C2+0+C2+1	2	1+C3+0+C3+1	3	1+C4+0+C4+1	4	1+C4+0+C4+1	4	1+C4+0+C4+1	4	1+C4+0+C4+1	4	1+C2+0+C2+1	2	1+C2+0+C2+1	2	1+C3+0+C3+1	3	1+C4+0+C4+1	4	1+C4+0+C4+1	4	1+C4+0+C4+1	4	1+C4+0+C4+1	4	1+C4+0+C4+1	4														
	75"	Custom	11.391 - 13.397	1+C2+2+C2+1	2	1+C2+3+C2+1	2	1+C2+3+C2+1	3	1+C3+3+C3+1	4	1+C3+3+C3+1	4	1+C3+3+C3+1	4	1+C3+2+C3+1	4	1+C2+2+C2+1	2	1+C2+2+C2+1	2	1+C2+2+C2+1	2	1+C2+2+C2+1	2	1+C3+3+C3+1	4	1+C3+2+C3+1	4	1+C3+2+C3+1	4	1+C3+2+C3+1	4														
		¼-½-¼	13.398 - 19.110	1+C2+2+C2+1	2	1+C2+2+C2+1	2	1+C2+3+C2+1	3	1+C3+3+C3+1	4	1+C3+2+C3+1	4	1+C3+2+C3+1	4	1+C3+2+C3+1	4	1+C2+2+C2+1	2	1+C2+2+C2+1	2	1+C2+2+C2+1	2	1+C2+2+C2+1	2	1+C3+2+C3+1	4	1+C3+2+C3+1	4	1+C3+2+C3+1	4	1+C3+2+C3+1	4														
		⅓-⅓-⅓	19.111 - 24.641	1+C2+0+C2+1	2	1+C3+0+C3+1	2	1+C3+0+C3+1	3	1+C4+0+C4+1	4	1+C4+0+C4+1	4	1+C4+0+C4+1	4	1+C4+0+C4+1	4	1+C2+0+C2+1	2	1+C3+0+C3+1	2	1+C3+0+C3+1	3	1+C4+0+C4+1	4	1+C4+0+C4+1	4	1+C4+0+C4+1	4	1+C4+0+C4+1	4	1+C4+0+C4+1	4														
	96"	Custom	17.641 - 19.397	1+C2+3+C2+1	2	1+C2+3+C2+1	2	1+C2+3+C2+1	3	1+C3+3+C3+1	4																																				

Max. Anchor O.C. Spacing for "Integral-Fin" Installation

Anchor Group E	Anchor Group F
2"	3.7"

$$^{**} \text{ MIN. SASH SIZE} = \frac{\text{WINDOW WIDTH} - 60.72}{2}$$

NOTES:

1) USE THESE TABLES FOR ALL WINDOWS INSTALLED THROUGH THE FRAME OR INTEGRAL FIN.

2) FRAME DIMENSIONS ARE BUCK WIDTH AND BUCK HEIGHT (SEE SHEETS 3-4). SASH SIZE IS AS PER THE FIGURE.

3) FOR SIZES NOT SHOWN, ROUND UP TO THE NEXT AVAILABLE WIDTH OR HEIGHT DIMENSION SHOWN ON THE TABLE.

4) "1/4-1/2-1/4" AND "1/3-1/3-1/3" INDICATE THAT THOSE STANDARD SASH CONFIGURATIONS FALL WITHIN THE SASH WIDTH RANGE IN THE ADJACENT COLUMN. "CUSTOM" INDICATES THAT NO STANDARD SASH CONFIGURATIONS FALL WITHIN THE RANGE.

PRODUCT REVISED
as complying with the Florida
Building Code
Acceptance No 25-0801.04
Expiration Date 9/24/2030
By Isaac L. Clark
Miami Dade Product Control

NO CHANGES THIS
SHEET. - AM

		Custom Windows and Doors 3400 PRECISION DRIVE N. VENICE, FL 34275 (941) 480-1600		REGISTRATION #29296	
PREPARED BY A. LYNN MILLER 1070 TECHNOLOGY DRIVE N. VENICE, FL 34275 (941) 480-1600					
VINYL HORIZONTAL ROLLER WINDOW (NI)		Date		05/15/15	
ANCHOR QUANTITY TABLES		Drawn By		JENS ROSOWSKI	
HR5410		Sheet		12 OF 15	
Series Desc.		DWG No.		HR5410-NOA	
Rev.		E			

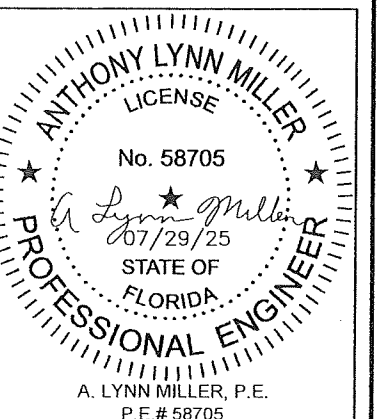


TABLE 19:

MINIMUM ANCHOR QUANTITIES SHOWN. ALL ANCHORAGE MUST ALSO COMPLY WITH THE MAX. O.C. SPACING SHOWN ON THE ELEVATIONS.

Glass Types 2 - 4				Sash Configuration	Sash Width Range (in)	Anchor Quantities for XOX Windows																							
						24" Height		30" Height		36" Height		48" Height		54" Height		63" Height		24" Height		30" Height		36" Height		48" Height		54" Height		63" Height	
						Head & Sill	Jamb	Head & Sill	Jamb	Head & Sill	Jamb	Head & Sill	Jamb	Head & Sill	Jamb	Head & Sill	Jamb	Head & Sill	Jamb	Head & Sill	Jamb	Head & Sill	Jamb	Head & Sill	Jamb	Head & Sill	Jamb	Head & Sill	Jamb
Reinf. Level R4						Anchor Group A												Anchor Group C											
Window Buck Width	35-1/4"	⅓-⅓-⅓	11.391 - 11.391	Not Allowed												1+C2+0+C2+1 2 1+C2+0+C2+1 2 1+C2+0+C2+1 3 1+C2+0+C2+1 4 1+C2+0+C2+1 4 1+C2+0+C2+1 4 1+C2+0+C2+1 4 1+C2+0+C2+1 2 1+C2+0+C2+1 2 1+C3+0+C3+1 3 1+C3+0+C3+1 4 1+C3+0+C3													

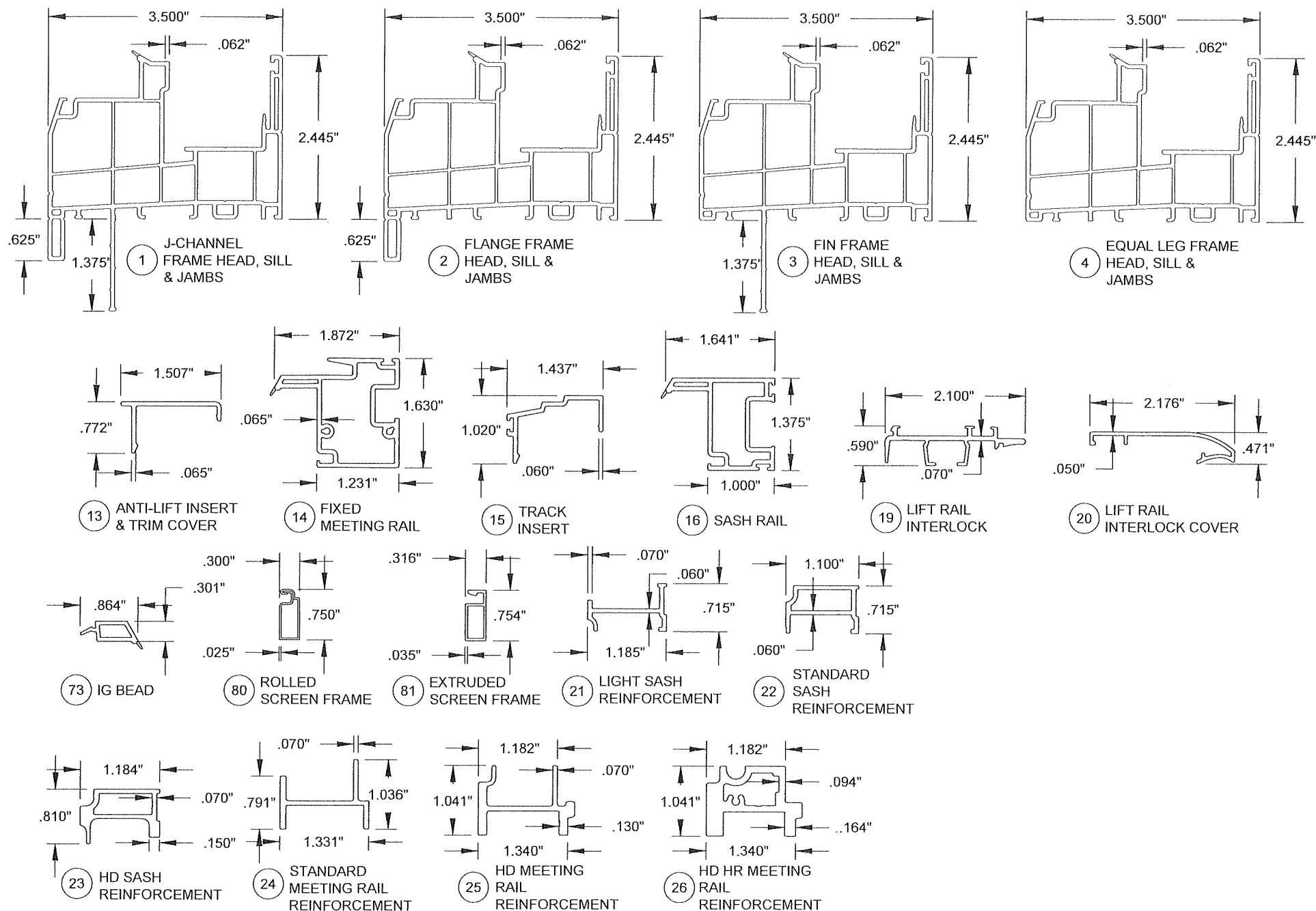
TABLE 20:

Bill of Material

#	Part #	Description	Material
1	620121	Frame Head, Sill and Jambs - J-Channel	PVC
2	620122	Frame Head, Sill and Jambs - Flange	PVC
3	620123	Frame Head, Sill and Jambs - Fin	PVC
4	620124	Frame Head, Sill and Jambs - Equal Leg	PVC
13	620172	Anti-Lift Insert / Trim Cover	PVC
14	620131	Fixed Meeting Rail	PVC
15	620158	Track Insert	6063 T6 Al
16	620129	Sash Rail (Sides, Top & Bottom)	PVC
19	620156	Pull Rail Interlock	6063 T6 Al
20	620144	Pull Rail Interlock Cover	PVC
21	620150	Light Sash Reinforcement	6063 T6 Al
22	620151	Standard Sash Reinforcement	6063 T6 Al
23	620152	HD Sash Reinforcement	6063 T6 Al
24	620153	Standard Meeting Rail Reinforcement	6005 T5 Al
25	620154	HD Meeting Rail Reinforcement	6005 T5 Al
26	620155	H.D. Horiz. Roller Meeting Rail Reinforcement	6005 T5 Al
28	61644	Weatherstrip, .187" x .270" Fin Pile	
29	61719	Weatherstrip, .187" x .220" Poly Pile	
30		#8 x 1" Ph. PH SDS (Interlock Mounting Screw)	410 SS
31	78X312PPA	#8 x 3-1/2" Ph. PH SMS (Fixed Meeting Rail Screw)	410 SS
32	71669SP	Meeting Rail Screw Support Plate	6063 T5 Al
33	720210	Weep Hole Cover	PVC
34	720187	Installation Screw Hole Plug	PVC
37	720197	Auto Lock	C Steel
38	720199	Sweep Lock	Cast Zinc
39	720196	Auto Lock Cover Assembly	Cast Zinc
40		#6 x 1-1/8" Ph. FH SDS (Auto and Sweep Lock Screw)	SS
41	720200	Auto and Sweep Lock Keeper	Cast Zinc
42	76X34PPA	#6 x 3/4" PH. PH SDS (Keeper Screw)	SS
43	7612FPTX	#6 x 1/2" FPH TEK	SS
44		Leadstile Top Corner Key	Nylon
45		Leadstile Bottom Corner Key	Nylon
46		Lockstile Top Corner Key	Nylon
47		Lockstile Bottom Corner Key	Nylon
48	720204	Wheel	Nylon
73	620136	I.G. Bead	PVC
74		Backbedding, GE 7700 or Dow 791 or Dow 983	Silicone
75	71684/5	Setting Block (7/8" x 2" x 1/8"), 85 +/- 5 duro.	EPDM
80	61011	Roll-formed Screen	Alum
81	61012	Extruded Screen Frame	Alum
82		Extruded Screen Spreader Bar	Alum
83	47042W	Screen Corner Key with Pull Ring	PVC
84	47041W/CKGLB	Screen Corner Key No Pull Ring	PVC
85	7CASP	Tension Spring	SS
86	61816C48	Screen Cloth	Fiberglass
87	61635/61614	.140" Screen Spline (Machine/Hand Rolled)	Vinyl

NOTES:

- 1) ITEMS # 5-12, 17, 18, 27, 35, 36 & 49-72 ARE NOT USED AND ARE NOT PART OF THIS APPROVAL.
 2) PVC BY VISION EXTRUSION, LTD., TO BE LABELED FOR AAMA EXTRUDER CODE.



PRODUCT REVISED
 as complying with the Florida
 Building Code
 Acceptance No. 25-0801.04
 Expiration Date 9/24/2030
 By [Signature]
 Miami Date Product Control

PGT

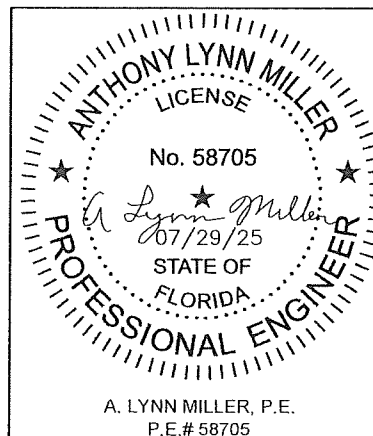
Custom Windows and Doors
 3400 PRECISION DRIVE
 N. VENICE, FL 34275
 (941) 480-1600

PREPARED BY A. LYNN MILLER
 1070 TECHNOLOGY DRIVE
 N. VENICE, FL 34275

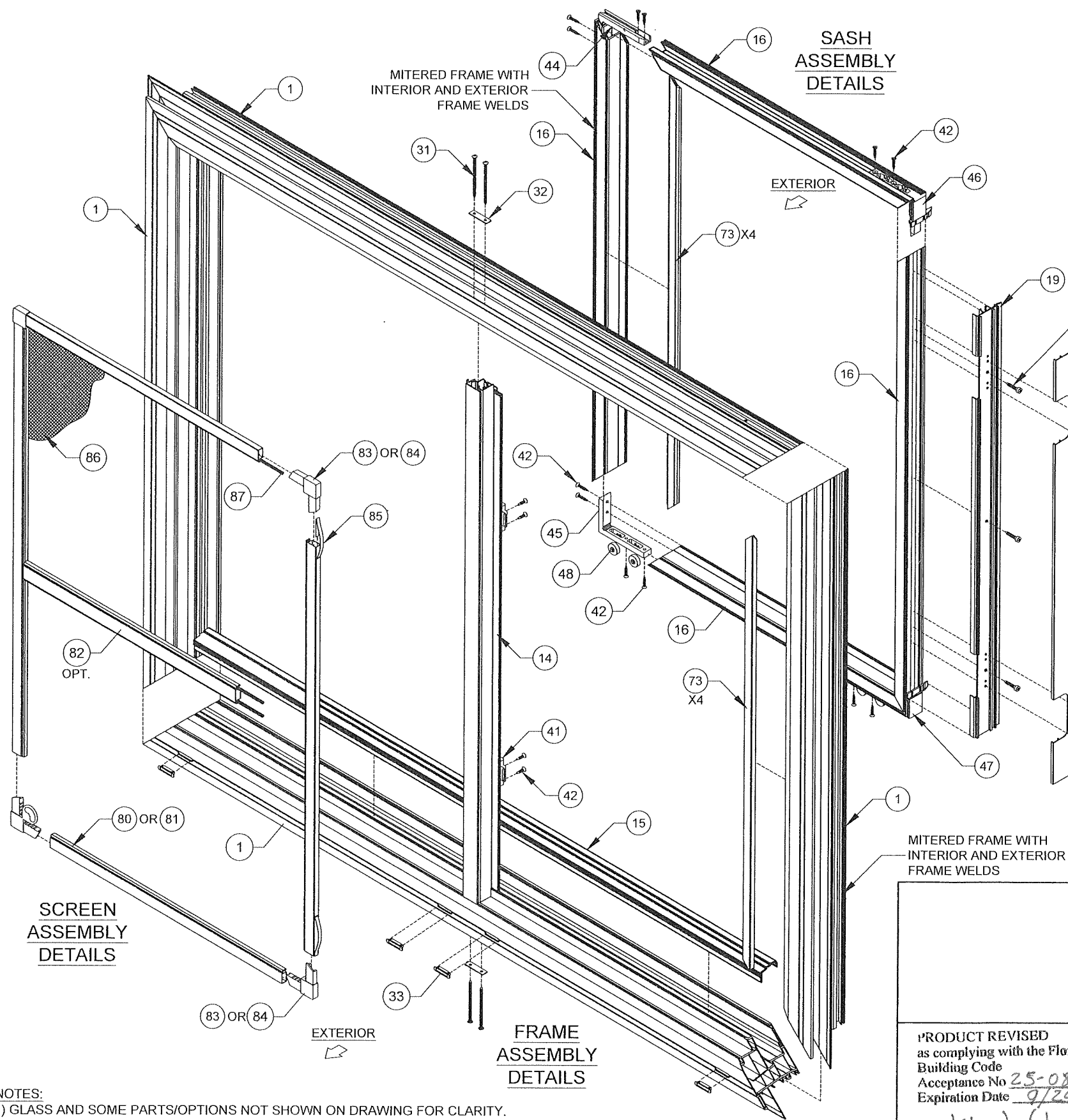
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REGISTRATION #29296

Series	HR5410	Sheet	14 OF 15	DWG No.	HR5410-NOA	Rev.	E
Title	VINYL HORIZONTAL ROLLER WINDOW (NI)						Date 05/15/15
Desc.	EXTRUSIONS AND BOM						Drawn By JENS ROSOWSKI
Rev	NO CHANGES THIS SHEET. - AM						Rev Date 07/29/23



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

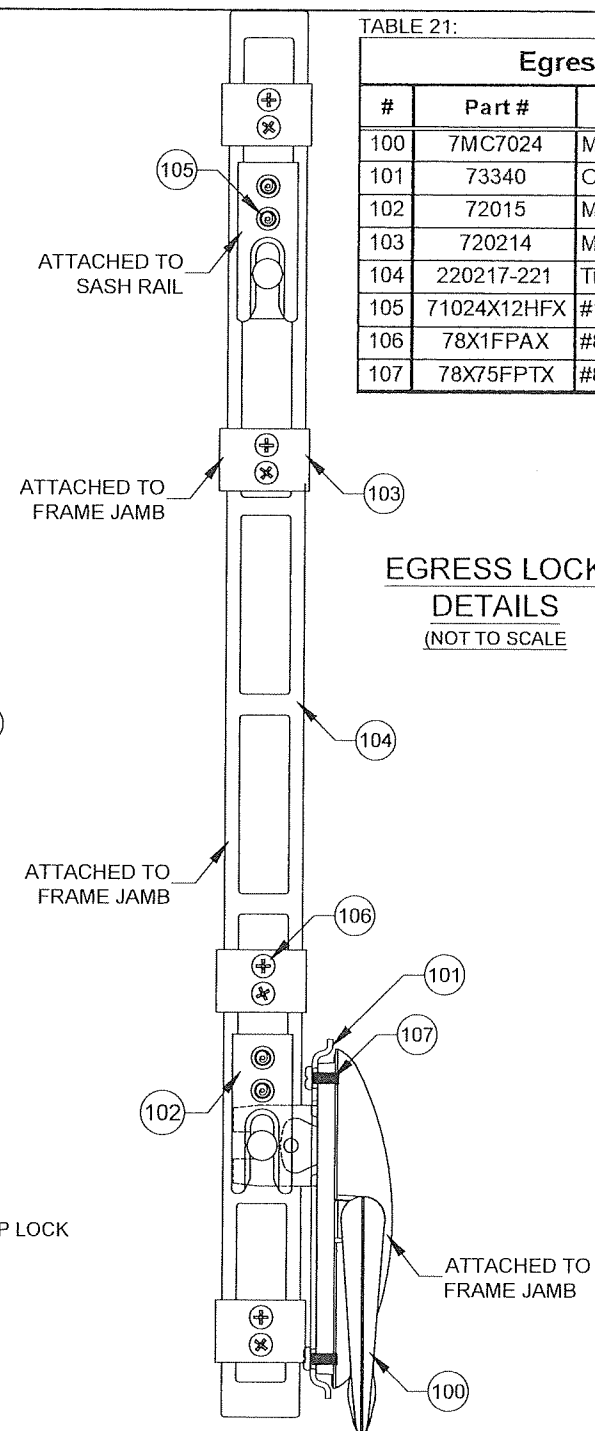


NOTES:
 1) GLASS AND SOME PARTS/OPTIONS NOT SHOWN ON DRAWING FOR CLARITY.
 2) J-CHANNEL FRAME SHOWN, PART # 1. OTHER FRAME TYPES APPLY.
 3) FOR REINFORCEMENT TYPES, SEE DETAILS ON SHEETS 6-8.

TABLE 21:

Egress Lock Bill of Material			
#	Part #	Description	Material
100	7MC7024	Multi-Point Lock Operator	Cast Zinc
101	73340	Operator mounting Plate	Steel
102	72015	Multipoint Lock Keeper	Aluminum
103	720214	Multipoint Lock Guide	Nylon
104	220217-221	Tie Bar (Length Varies)	Stainless Steel
105	71024X12HFX	#10 x 1/2" HH MS	Stainless Steel
106	78X1FPAX	#8 x 1" Ph. FH SMS	Stainless Steel
107	78X75FPTX	#8 x 3/4" Ph. FH SDS	Stainless Steel

EGRESS LOCK
DETAILS
(NOT TO SCALE)



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 Expiration Date 9/24/2030
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 Miami Dade Product Control

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 Custom Windows and Doors

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PREPARED BY A. LYNN MILLER
 1070 TECHNOLOGY DRIVE
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REGISTRATION #29296

Series	HR5410	Sheet	15 OF 15	DWG No.	HR5410-NOA	Rev.	E
Title	VINYL HORIZONTAL ROLLER WINDOW (NI)						
Desc.	EXPLODED WINDOW VIEW				Drawn By	JENS ROSOWSKI	
Rev	NO CHANGES THIS SHEET - LY						07/29/23

