



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

## NOTICE OF ACCEPTANCE (NOA)

MIAMI-DADE COUNTY, FLORIDA  
PRODUCT CONTROL SECTION

11805 SW 26 Street, Room 208

Miami, Florida 33175-2474

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

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

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 "SH-5400" PVC Single Hung Window – N.I.

**APPROVAL DOCUMENT:** Drawing No. SH5400-NOA Rev E titled "Vinyl Single Hung Window Installation - NI", sheets 1 through 12 of 12, dated 05/15/15 and last revised on 05/12/25, 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:** None: HVHZ compliant Hurricane Protection system 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 No. 23-0707.13 (PGT Industries Inc.) 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.**



*Ishaq I. Chanda*

NOA No. 25-0520.02

Expiration Date: July 30, 2030

Approval Date: June 12, 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. 15-0519.06)*
2. Drawing No. **MD-SH5400-01** titled "Single Hung Window Installation - NI", sheets 1 through 12 of 12, dated 05/15/15, with revision **B** dated 06/06/17, prepared by manufacturer, signed and sealed by Anthony Lynn Miller, P.E.  
*(Submitted under NOA No. 17-0630.06)*

**B. TESTS**

1. Test reports on: 1) Uniform Static Air Pressure Test, Loading per FBC, TAS 202-94  
2) Large Missile Impact Test per FBC, TAS 201-94  
3) Cyclic Wind Pressure Loading per FBC, TAS 203-94  
along with marked-up drawings and installation diagram of a 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. 16-0714.04)*
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 a series 5500 PVC single hung window, prepared by Fenestration Testing Laboratory, Inc., Test Report No. **FTL-7964**, dated 11/15/14, signed and sealed by Idalmis Ortega, P.E.  
*(Submitted under NOA No. 15-0519.06)*

**C. CALCULATIONS**

1. Anchor verification calculations and structural analysis, complying with **FBC 5<sup>th</sup> Edition (2014)**, dated 05/15/15 and 08/29/17, prepared by manufacturer, signed and sealed by Anthony Lynn Miller, P.E.  
*(Submitted under NOA No. 15-0519.06)*
2. Glazing complies with **ASTM E1300-09**,

*Ishaq I. Chanda*

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**Ishaq I. Chanda, P.E.**  
**Product Control Unit Supervisor**  
**NOA No. 25-0520.02**  
**Expiration Date: July 30, 2030**  
**Approval Date: June 12, 2025**

**PGT Industries, LLC**

**NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED**

**1. 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. **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.
2. Notice of Acceptance No. **16-0712.04** issued to ENERGI Fenestration Solutions USA, Inc. for their "**Bronze and Lighter Shades of Cap Coated White Rigid PVC Exterior Extrusions for Windows and Doors**" dated 09/15/16, expiring on 04/16/20.
3. Notice of Acceptance 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 5<sup>th</sup> Edition (2014)** and **FBC 6<sup>th</sup> Edition (2017)**, dated June 22, 2017, issued by manufacturer, signed and sealed by Anthony Lynn Miller, P.E.  
*(Submitted under NOA No. 17-0630.06)*
2. Statement letter of no financial interest, dated June 22, 2017, issued by manufacturer, signed and sealed by Anthony Lynn Miller, P.E.  
*(Submitted under NOA No. 17-0630.06)*
3. Proposal No. **16-0125** issued by the Product Control Section, dated March 09, 2016, signed by Ishaq Chanda, P.E.  
*(Submitted under NOA No. 16-0714.04)*
4. Proposal issued by Product Control, dated 6/26/14 and revised on 8/19/14, signed by Jaime Gascon, P.E. Supervisor, Product Control Section.  
*(Submitted under NOA No. 15-0519.06)*

**G. OTHERS**

1. Notice of Acceptance No. **16-0714.04**, issued to PGT Industries, Inc. for their Series "5400" PVC Single Hung Window - N.I. approved on 08/18/16 and expiring on 07/30/20.

*Ishaq I. Chanda*

**Ishaq I. Chanda, P.E.**  
**Product Control Unit Supervisor**  
**NOA No. 25-0520.02**  
**Expiration Date: July 30, 2030**  
**Approval Date: June 12, 2025**

**NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED**

**2. EVIDENCE SUBMITTED under previous approval**

**A. DRAWINGS**

1. Drawing No. **MD-SH5400-01** titled "Single Hung Window Installation - NI", sheets 1 through 12 of 12, dated 05/15/15, with revision **C** dated 03/10/20, 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 5<sup>th</sup> Edition (2014)**, dated 05/15/15, 08/29/17 and updated on 03/10/20 to the **FBC 7<sup>th</sup> Edition (2020)**, prepared by manufacturer, signed and sealed by Anthony Lynn Miller, P.E.

**D. QUALITY ASSURANCE**

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

*Ishaq I. Chanda*

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**Ishaq I. Chanda, P.E.**  
**Product Control Unit Supervisor**  
**NOA No. 25-0520.02**  
**Expiration Date: July 30, 2030**  
**Approval Date: June 12, 2025**



**NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED**

**2. EVIDENCE SUBMITTED under previous approval (CONTINUED)**

**E. MATERIAL CERTIFICATIONS**

1. Notice of Acceptance No. **18-0122.02**, issued to **ENERGI Fenestration Solutions USA, Inc.**, for their **White Rigid PVC Exterior Extrusions for Windows and Doors**, approved on 03/08/18, expiring on 02/28/23.
2. Notice of Acceptance No. **18-1217.15**, issued to **ENERGI Fenestration Solutions USA, Inc.**, for their **Bronze and Lighter Shades of Cap Coated Rigid PVC Exterior Extrusions for Windows and Doors**, approved on 01/17/19, expiring on 04/16/20.
3. Notice of Acceptance No. **18-1217.16**, issued to **ENERGI Fenestration Solutions USA, Inc.**, for their **Performance Core Rigid PVC Exterior Extrusions for Windows and Doors**, approved on 01/17/19, expiring on 02/04/21.

**F. STATEMENTS**

1. Statement letter of conformance, complying with **FBC 6<sup>th</sup> Edition (2017)** and the **FBC 7<sup>th</sup> 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. **17-0630.06**, issued to PGT Industries, Inc. for their Series "SH-5400" PVC Single Hung Window - N.I. approved on 11/30/17 and expiring on 07/30/20.

*Ishaq I. Chanda*

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**Ishaq I. Chanda, P.E.**  
**Product Control Unit Supervisor**  
**NOA No. 25-0520.02**  
**Expiration Date: July 30, 2030**  
**Approval Date: June 12, 2025**

**NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED**

**3. EVIDENCE SUBMITTED under previous approval**

**A. DRAWINGS**

1. Drawing No. **MD-SH5400-01 Rev D** titled "Single Hung Window Installation - NI", sheets 1 through 12 of 12, dated 05/15/15 and last revised on 07/05/23, 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 7<sup>th</sup> Edition (2020)** and the **FBC 8<sup>th</sup> 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 6<sup>th</sup> Edition (2017)** and the **FBC 7<sup>th</sup> Edition (2020)**, dated March 10, 2020, issued by manufacturer, signed and sealed by Anthony Lynn Miller, P.E. (submitted under previous approval)

**G. OTHERS**

1. This NOA **revises NOA No. 20-0401.04**, expiring on 07/30/25.

*Ishaq I. Chanda*

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**Ishaq I. Chanda, P.E.**  
**Product Control Unit Supervisor**  
**NOA No. 25-0520.02**  
**Expiration Date: July 30, 2030**  
**Approval Date: June 12, 2025**

**NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED**

**4. NEW EVIDENCE SUBMITTED**

**A. DRAWINGS**

1. Drawing No. **SH5400-NOA Rev E** titled "Single Hung Window Installation - NI", sheets 1 through 12 of 12, dated 05/15/15 and last revised on 05/12/25, prepared by manufacturer, signed and sealed by Anthony Lynn Miller, P.E.

Note: Revision includes address change and removal of FBC 2020 notes.

**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. NOA No. **24-0104.07** issued to Vision Extrusions Group limited for their "**Black and Lighter Shades of Cap Coated Rigid PVC Exterior Extrusions for Windows and Doors**", expiring on 07/28/27.
3. NOA No. **23-0821.09** issued to Vision Extrusions Group Limited for their "**TAN 3040 and lighter shades (Non-white) Rigid PVC Exterior Extrusions for Windows and Doors**", expiring on 02/04/2026.
4. NOA 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**", expiring on 12/29/2026.
5. NOA No. **24-0618.02** issued to Vision Extrusions Group Limited, for their "**Painted or Laminated White Rigid PVC Exterior Extrusions for Windows and Doors**", expiring on 09/30/29.

**F. STATEMENTS**

1. Statement letter of conformance, complying with **FBC 8<sup>th</sup> Edition (2023)**, **No financial interest** and **renewal**, dated 05-12-23, issued by manufacturer, signed and sealed by Anthony Lynn Miller, P.E.
2. E-mail dated May 29, 2025 by Lynn Millier P.E., PGT code compliance manager requesting additional Vision Extrusion Group's Rigid PVC material certification NOA(s) to be added as part of evidence page.
3. E-mail dated 12/23/24 sent by Lynn Miller, P.E. (PGT Code Compliance Manager), consists of PGT innovation form 8-k filed w/SEC, PGT innovation form 10-K filled w/ SEC and Exhibit 21(Form 10-K); PGT innovation's list of subsidiaries.

*Ishaq I. Chanda*

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**Ishaq I. Chanda, P.E.**  
**Product Control Unit Supervisor**  
**NOA No. 25-0520.02**  
**Expiration Date: July 30, 2030**  
**Approval Date: June 12, 2025**

**PGT Industries, LLC**

**NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED**

**4. NEW EVIDENCE SUBMITTED Continue:**

**G. OTHERS**

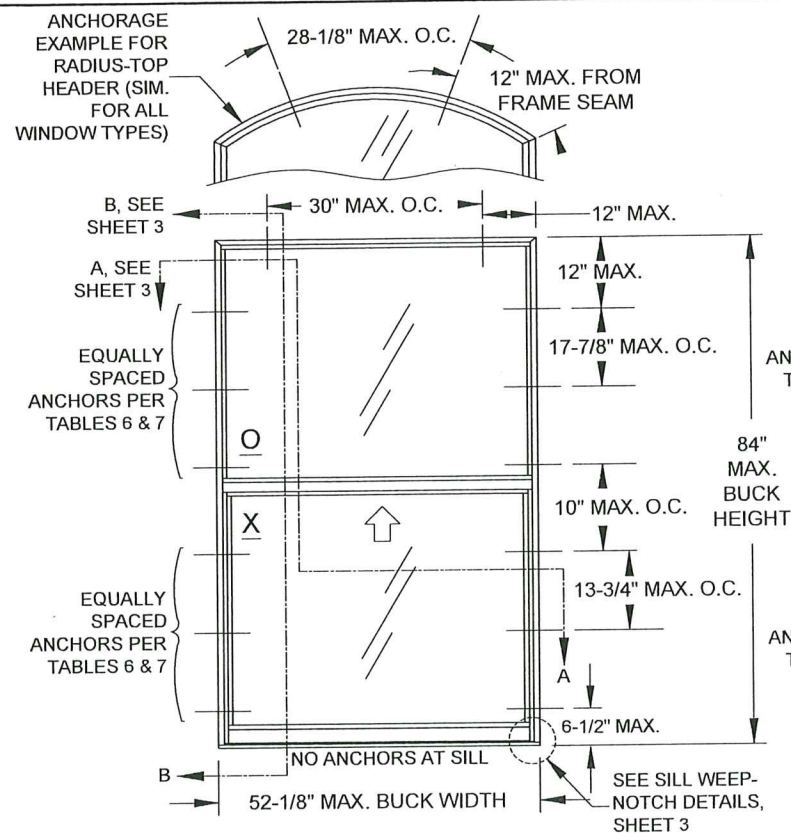
1. This NOA **revises & renews NOA No. 23-0707.13** (PGT Industries Inc.), expiring 07/30/2030.
2. Article of conversion of PGT Industries, Inc to PGT industries, LLC pdf provided on 12/24/24 by Ms. April Lee, Assistant General Counsel.
3. Florida Department of State, Division of Corporation listing # 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.

*Ishaq I. Chanda*

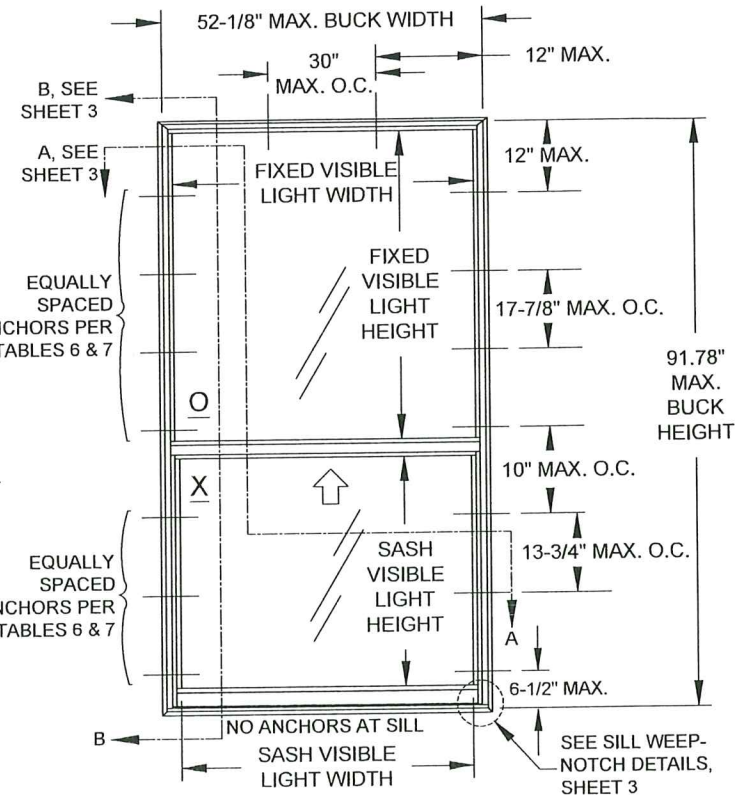
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**Ishaq I. Chanda, P.E.**  
**Product Control Unit Supervisor**  
**NOA No. 25-0520.02**  
**Expiration Date: July 30, 2030**  
**Approval Date: June 12, 2025**

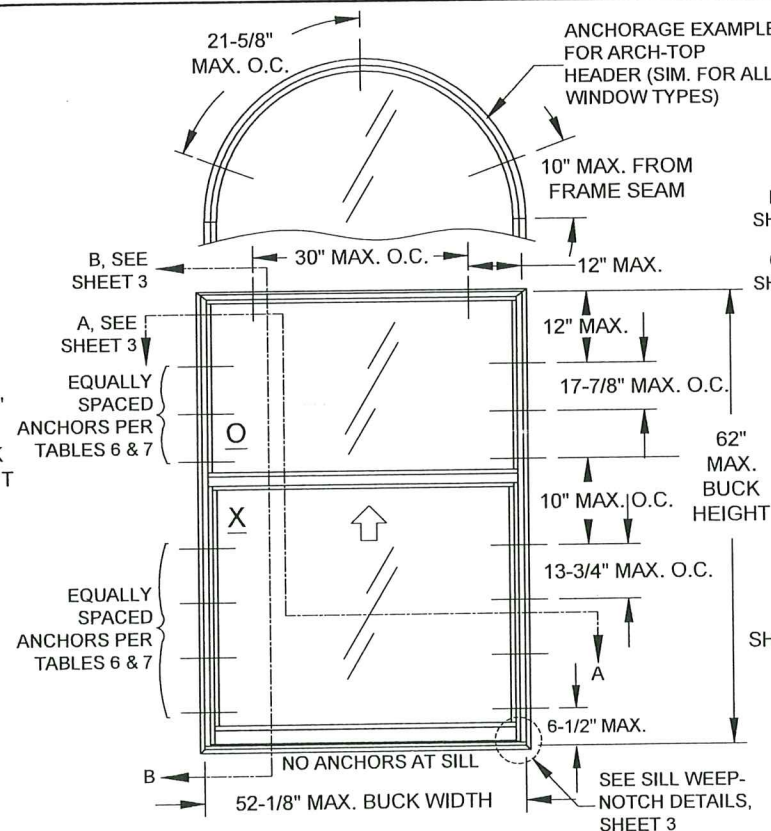




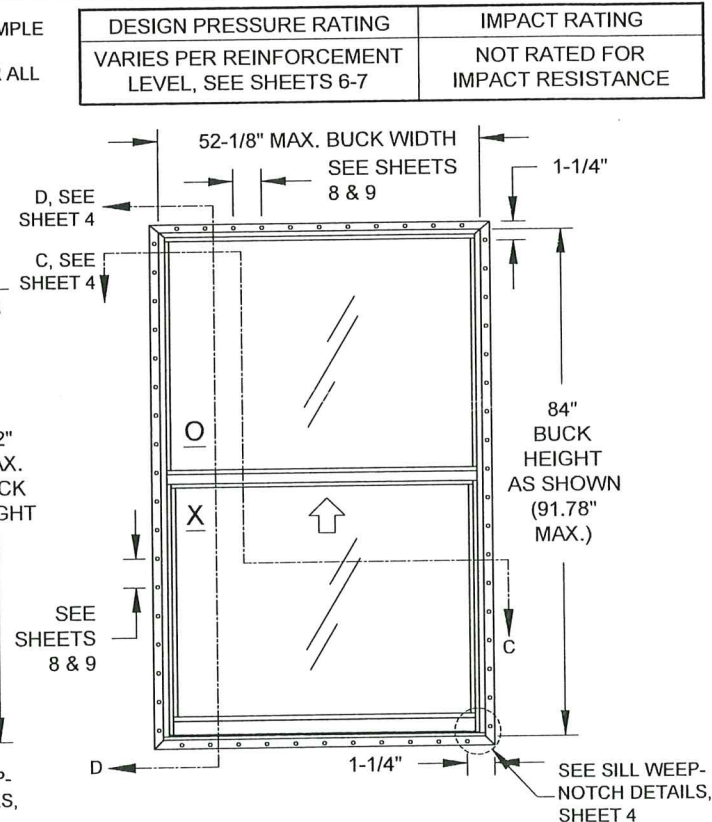
ELEVATION FOR TYP. EQUAL LEG FRAME  
SHOWN WITH EQUAL-LITE CONFIGURATION



ELEVATION FOR TYP. FLANGE FRAME  
SHOWN WITH ORIEL/PROVIEW CONFIGURATION



ELEVATION FOR TYP. FLANGE FRAME  
SHOWN WITH STANDARD COTTAGE CONFIGURATION  
FOR CUSTOM COTTAGE CONFIGURATION UP TO  
75\"/>



ELEVATION FOR TYP. FIN OR J-CHANNEL FRAME  
SHOWN WITH EQUAL-LITE CONFIGURATION  
ANCHORED THROUGH THE NAIL-FIN  
(SIMILAR ANCHOR DIMENSIONS FOR OTHER CONFIGURATIONS)

#### GENERAL NOTES: SERIES 5400 NON-IMPACT RESISTANT SINGLE HUNG WINDOW

- 1) THIS PRODUCT HAS BEEN DESIGNED & TESTED TO COMPLY WITH THE REQUIREMENTS OF THE FLORIDA BUILDING CODE, INCLUDING THE HIGH VELOCITY HURRICANE ZONE (HVHZ).
- 2) SHUTTERS ARE REQUIRED WHEN USED IN WIND-BORNE DEBRIS REGIONS.
- 3) 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.
- 4) ALL WOOD BUCKS LESS THAN 1-1/2\"/>

#### USER INSTRUCTIONS:

- 1) DETERMINE THE SITE SPECIFIC, WINDOW OPENING'S DESIGN PRESSURE REQUIREMENT FROM ASCE 7.
- 2) DETERMINE THE MOST SUITABLE ANCHOR GROUP FROM TABLES 2 OR 3 ACCORDING TO THE INSTALLATION CONDITIONS.
- 3) KNOWING YOUR GLAZING OPTION (TABLE 1), WINDOW CONFIGURATION AND SIZE, DETERMINE YOUR WINDOW'S DESIGN PRESSURE FROM TABLES 4 OR 5. IT MUST EQUAL OR EXCEED THE DESIGN PRESSURE REQUIREMENT FOR THE WINDOW OPENING OBTAINED IN STEP 1.
- 4) DETERMINE THE ANCHOR QUANTITY FROM TABLES 6 OR 7. 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.
- 5) INSTALL AS PER SHEET 3 FOR THRU-FRAME INSTALLATION OR SHEET 4 FOR INTEGRAL FIN INSTALLATION.

NOTE: DESIGN PRESSURE RATING DETERMINATION IS THE SAME PROCESS FOR ALL FRAME TYPES (J-CHANNEL, FLANGE, INTEGRAL FIN OR EQUAL LEG/BOX).

GENERAL NOTES.....	1
ELEVATIONS.....	1
FRAME, GLASS & ANCHOR OPTIONS.....	2
INSTALLATION, FLANGE & EQUAL LEG/BOX.....	3
INSTALLATION, INTEGRAL FIN & J-CHANNEL.....	4
GLAZING DETAILS.....	5
DESIGN PRESSURES.....	6-7
ANCHOR QUANTITIES.....	8-9
EXTRUSION PROFILES.....	10
ASSEMBLY & PARTS LIST.....	11-12

#### 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

**PRODUCT RENEWED**  
as complying with the Florida  
Building Code  
Acceptance No. 25-0520-02  
Expiration Date 7/30/2030  
By *Shayla L. Gaudin*  
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

Rev	1	Date	05/15/15
Desc	VINYL SINGLE HUNG WINDOW (NI)		
Rev	2	Date	05/12/25
Desc	GENERAL NOTES & ELEVATION		
Rev	3	Date	05/12/25
Desc	ERASE 2020 FBC REFERENCE - AM		
Series	SH5400	Sheet	1 OF 12
DWG No.	SH5400-NOA	Rev.	E

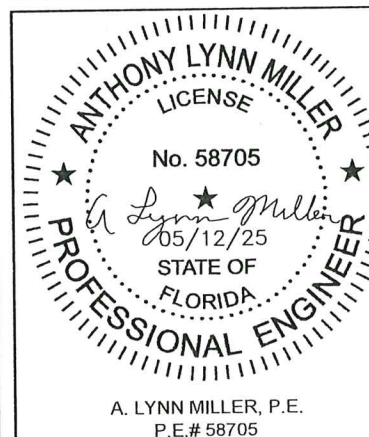




TABLE 1: ALLOWABLE GLASS TYPES

Glass Type	Description (Listed from Exterior to Interior)	Design Pressure	
		Table #	Sheet #
1	3/4" I.G.: 1/8" A Exterior Cap + 1/2" Air Space + 1/8" A Exterior Cap	4	6
2	3/4" I.G.: 1/8" T Exterior Cap + 1/2" Air Space + 1/8" T Exterior Cap	4, 5	6, 7
3	3/4" I.G.: 3/16" A Exterior Cap + 3/8" Air Space + 3/16" A Exterior Cap	4, 5	6, 7
4	3/4" I.G.: 3/16" T Exterior Cap + 3/8" Air Space + 3/16" T Exterior Cap	4, 5	6, 7

"A" = ANNEALED; "T" = TEMPERED

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.)	P.T. 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.)
	3/16" steel Ultracon+	Aluminum, 6063-T5*	3/8"	0.050"
		P.T. 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.)	Ungrouted CMU, (ASTM C-90)	1"	1-1/4"
		P.T. Southern Pine (SG=0.55)	9/16"	1-3/8"
		Steel, A36*	3/8"	0.050"
	1/4" steel Ultracon+	Steel Stud, A653 Gr. 33*	3/8"	0.0451" (18 Ga.)
		Aluminum, 6063-T5*	3/8"	0.063"
		P.T. Southern Pine (SG=0.55)	1"	1-3/8"
C	1/4" steel Ultracon+	1/4" steel Creteflex	1"	1-3/8"
		1/4" steel Aggre-Gator	1"	1-3/8"
	1/4" steel Creteflex	Concrete (min. 3 ksi)	1-3/16"	1-3/4"
		Ungrouted CMU, (ASTM C-90)	1"	1-1/4"
D	1/4" steel Ultracon+	Concrete (min. 3.35 ksi)	1"	1-3/4"
		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. 3.275 ksi)	1-1/2"	1-3/8"
		Grouted CMU, (ASTM C-90)	2"	2"
	1/4" steel Aggre-Gator	Concrete (min. 3.275 ksi)	1-1/2"	1-3/8"

\* 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	P.T. Southern Pine (SG=.55)	3/8"	2-7/16"
F	2-1/2" Ring-shank Roofing Nail	P.T. Southern Pine (SG=.55)	3/8"	2-7/16"
		P.T. Southern Pine (SG=.55)	1/2"	1-3/8"
		Aluminum, 6063-T5*	3/8"	0.050"
		Steel Stud, Gr. 33*	3/8"	0.0451" (18 Ga.)
	#10 Trusshead SMS (steel, 18-8 S.S. or 410 S.S.)	Steel, A36*	3/8"	0.050"
		P.T. Southern Pine (SG=.55)	9/16"	1-3/8"
		Aluminum, 6063-T5*	3/8"	0.063"
		Steel Stud, Gr. 33*	3/8"	0.050"
G	#12 SMS (steel, 18-8 S.S. or 410 S.S.)	Steel, A36*	3/8"	0.050"
		P.T. Southern Pine (SG=.55)	9/16"	1-3/8"
		Aluminum, 6063-T5*	3/8"	0.063"
		Steel Stud, Gr. 33*	3/8"	0.050"

\* MIN. OF 3 THREADS BEYOND THE METAL SUBSTRATE.

Material	Min. F <sub>y</sub>	Min. F <sub>u</sub>
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

FIGURE A: FRAME CONFIGURATIONS

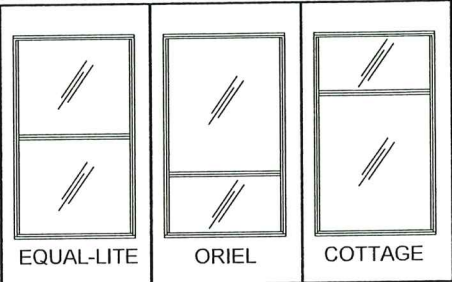
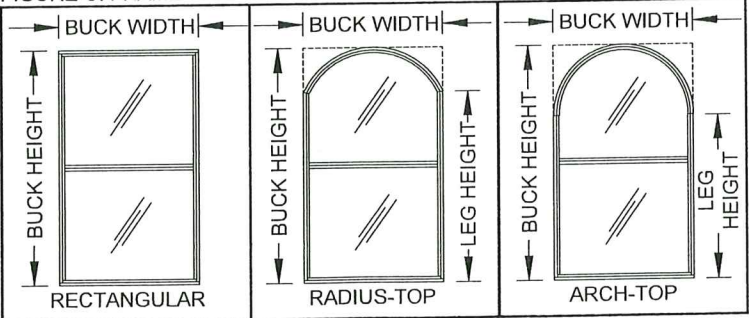


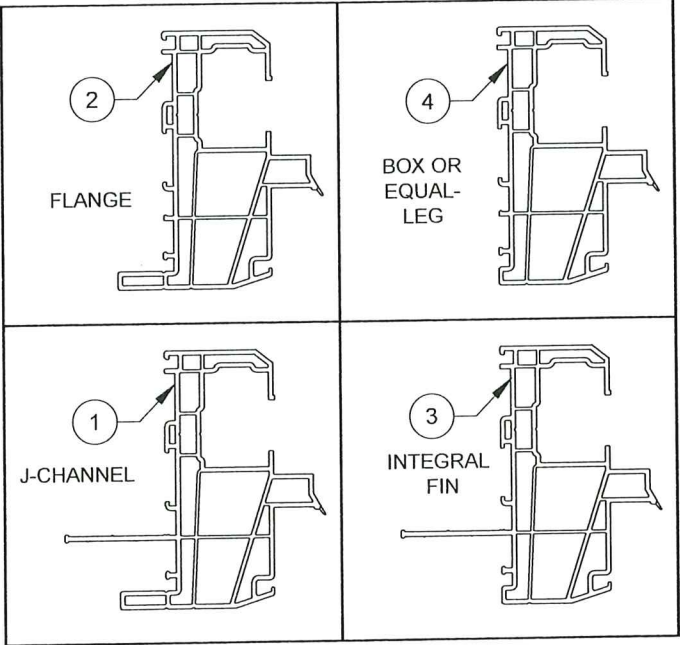
FIGURE C: FRAME SHAPES



WINDOW SHAPES AS ABOVE OR SIMILAR ARE APPROVED. SHAPES MAY BE USED BY INSCRIBING THE SHAPE IN A BLOCK AND OBTAINING DESIGN PRESSURES AND ANCHORAGE FOR THAT BLOCK SIZE FROM THE TABLES ON SHEETS 6-9.

Frame Types (see Fig B)	Glass Options (see Table 1)	Frame Configs. (see Fig A)	Frame Shapes (see Fig C)	Installation Options that may be used	
Flange (#2)	1 - 4	Equal-Lite, Oriel/Proview & Cottage	Square/Rect., Arch-Top & Radius-Top	Through the frame of the window.....	....into 2X Wood Frame/Buckstrip - sheet 3, option 1
					....into Concrete/CMU - sheet 3, option 2
					....through 1X Buckstrip into Concrete/CMU - sheet 3, option 3
					....into Metal - sheet 3, option 4
Box / Equal-Leg (#4)	1 - 4	Equal-Lite, Oriel/Proview & Cottage	Square/Rect., Arch-Top & Radius-Top	Through the frame of the window.....	....into 2X Wood Frame/Buckstrip - sheet 3, option 1
					....into Concrete/CMU - sheet 3, option 2
					....through 1X Buckstrip into Concrete/CMU - sheet 3, option 3
					....into Metal - sheet 3, option 4
J-Channel (#1)	1 - 4	Equal-Lite, Oriel/Proview & Cottage	Square/Rect., Arch-Top & Radius-Top	Through the integral fin.....	....into 2X Wood Frame/Buckstrip - sheet 4, option 5
					....into Metal - sheet 4, option 7
				Through the frame of the window.....	....into 2X Wood Frame/Buckstrip - sheet 4, option 6
					....into Metal - sheet 4, option 8
Integral Fin (#3)	1 - 4	Equal-Lite, Oriel/Proview & Cottage	Square/Rect., Arch-Top & Radius-Top	Through the integral fin.....	....into 2X Wood Frame/Buckstrip - sheet 4, option 5
					....into Metal - sheet 4, option 7
				Through the frame of the window.....	....into 2X Wood Frame/Buckstrip - sheet 4, option 6
					....into Metal - sheet 4, option 8

FIGURE B: FRAME TYPES



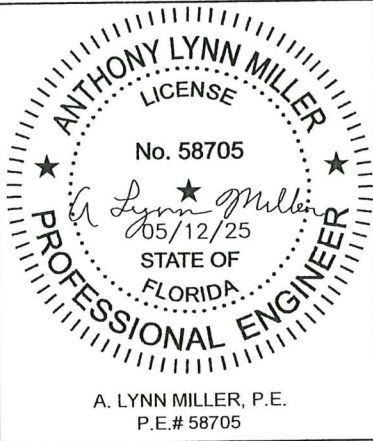
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Miami Dade Product Control

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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	Desc.	Title	Date
			VINYL SINGLE HUNG WINDOW (NI)	05/15/15
			GLASS/ANCHOR/FRAME OPTIONS	By JENS ROSOWSKI
			NO CHANGES THIS SHEET. - AM	Rev Date 05/12/25
			SH5400	Sheet 2 OF 12
			DWG No. SH5400-NOA	Rev. E

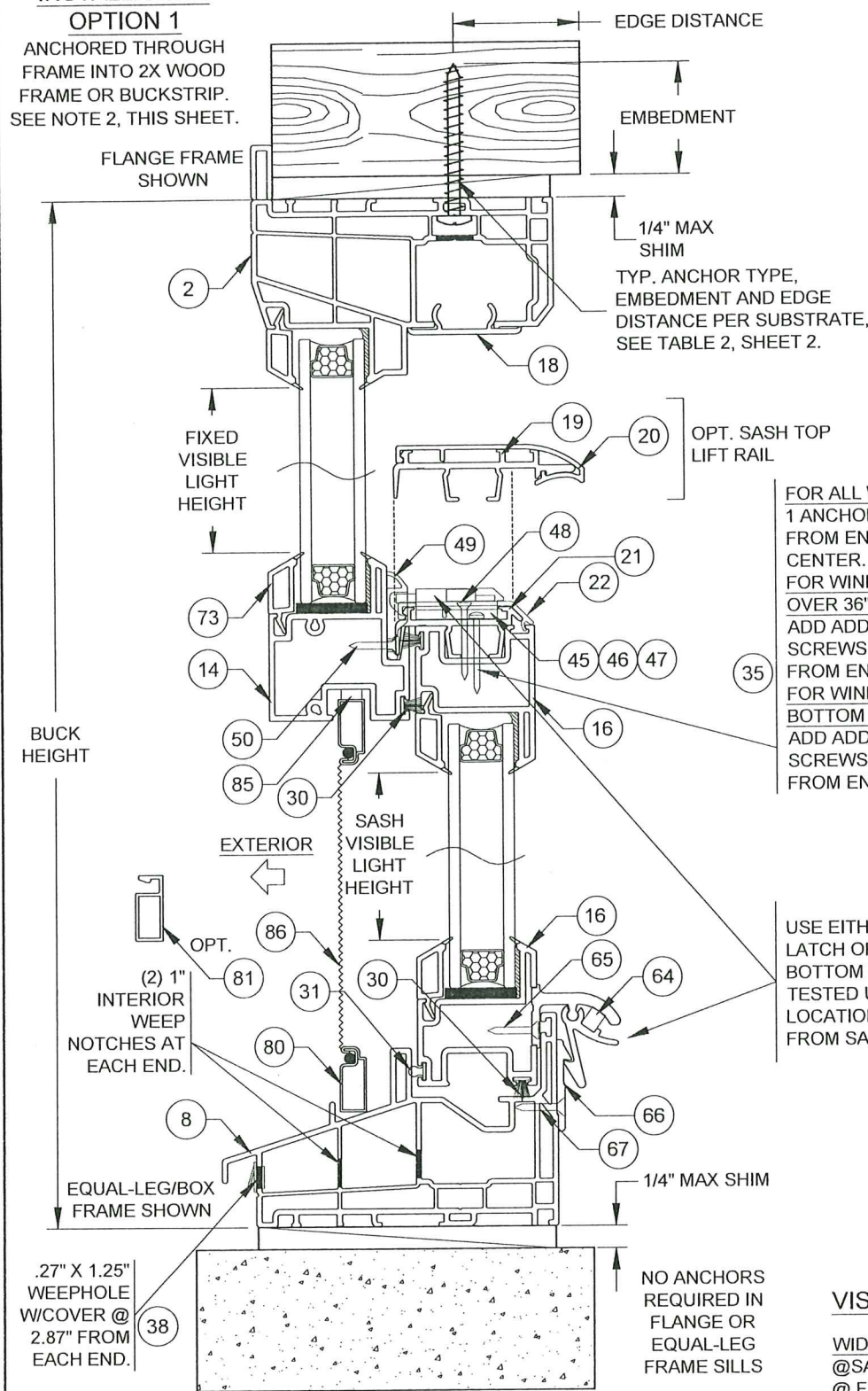




# INSTALLATION DETAILS FOR FLANGE & EQUAL-LEG/BOX FRAMES

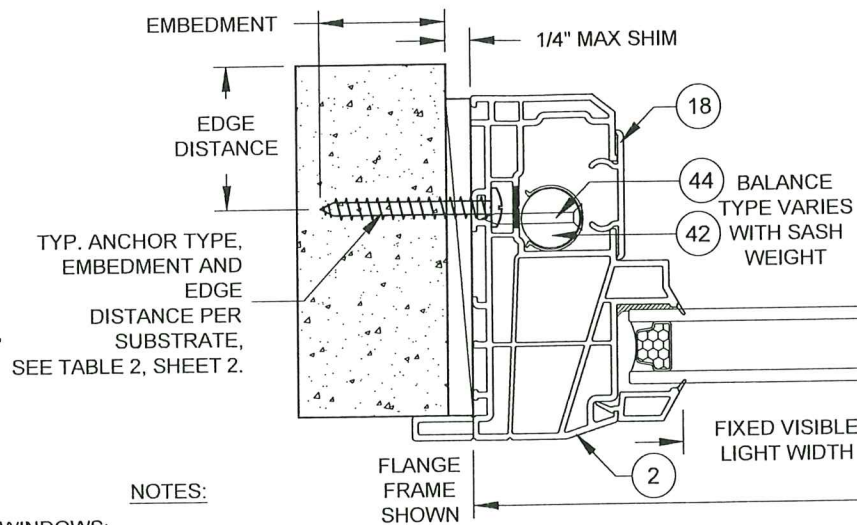
## INSTALLATION OPTION 1

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



VERTICAL SECTION B-B

## INSTALLATION OPTION 2 ANCHORED THROUGH FRAME DIRECTLY INTO CONCRETE/CMU.



### NOTES:

FOR ALL WINDOWS:  
1 ANCHOR @ 3.55"  
FROM END AND AT  
CENTER.  
FOR WINDOWS  
OVER 36" WIDE:  
ADD ADDITIONAL  
SCREWS @ 16-3/8"  
FROM END.  
FOR WINDOWS WITH  
BOTTOM LOCKS:  
ADD ADDITIONAL  
SCREWS @ 8-3/8"  
FROM END.

1) USE ONLY  
SUBSTRATE-APPROPRIATE  
ANCHORS LISTED ON TABLE 2,  
SHEET 2. 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,  
SHEET 2. 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.

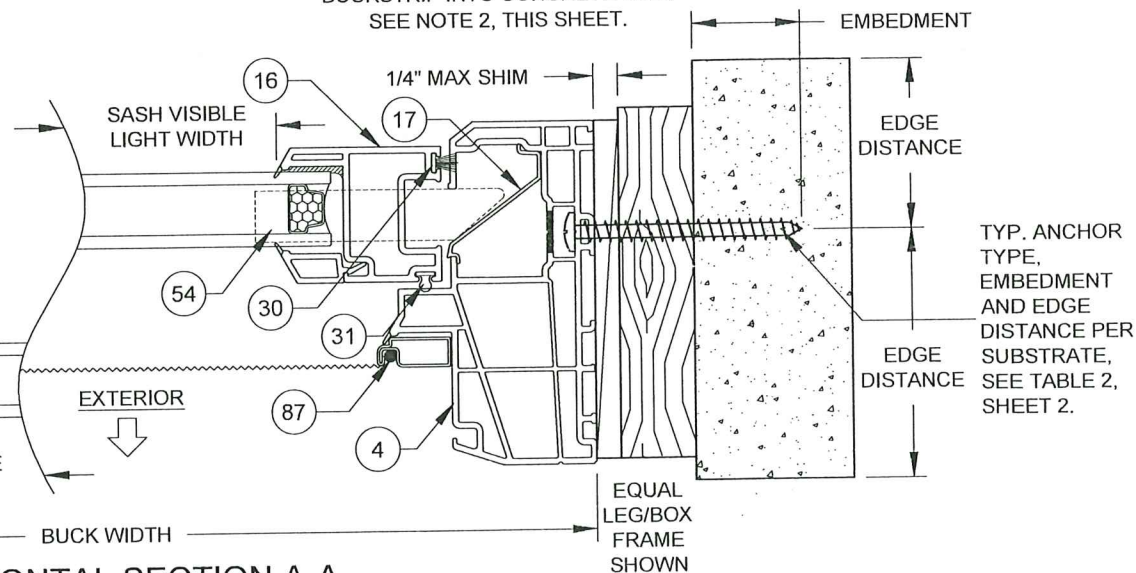
4) ALL ANCHOR HEAD TYPES  
ARE ACCEPTABLE.

### VISIBLE LIGHT FORMULAS

WIDTH  
@ SASH: BUCK WIDTH - 6-1/2"  
@ FIXED LITE: BUCK WIDTH - 4-3/8"

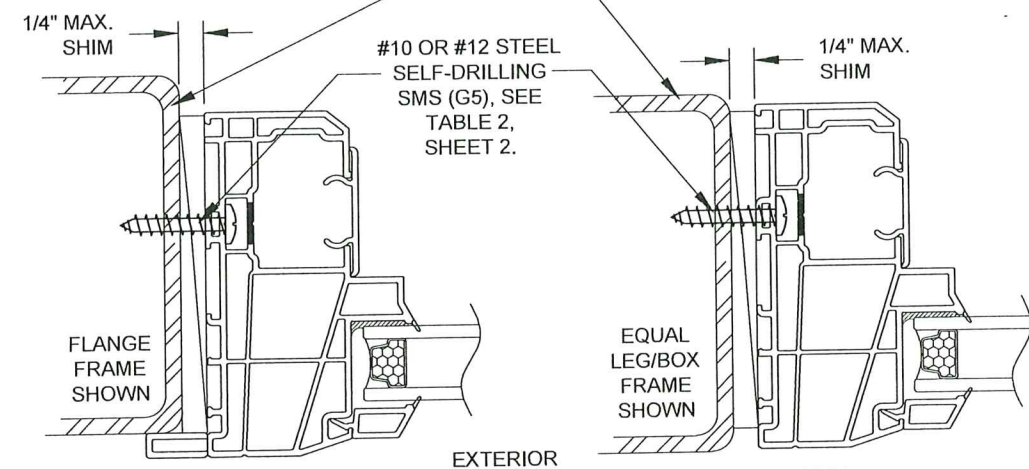
HEIGHT (EQUAL-LITE)  
BUCK HEIGHT/2 - 3-15/16"

## INSTALLATION OPTION 3 ANCHORED THROUGH FRAME AND 1X BUCKSTRIP INTO CONCRETE/CMU. SEE NOTE 2, THIS SHEET.



HORIZONTAL SECTION A-A

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



## INSTALLATION OPTION 4

ANCHORED THROUGH  
FRAME INTO METAL

## INSTALLATION OPTION 4

ANCHORED THROUGH  
FRAME INTO METAL

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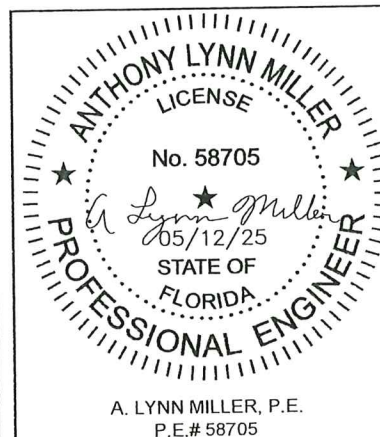
PREPARED BY A. LYNN MILLER  
1070 TECHNOLOGY DRIVE  
N. VENICE, FL 34275

(941) 480-1600

REGISTRATION #29296

Rev	1	Desc	VINYL SINGLE HUNG WINDOW (NI)	Date	05/15/15
Rev	2	Desc	FLANGE & EQUAL-LEG FRAMES	Drawn By	JENS ROSOWSKI
Rev	3	Desc	NO CHANGES THIS SHEET. - AM	Rev Date	05/12/25
Series	SH5400	Sheet	3 OF 12	DWG No.	SH5400-NOA
Rev	E				

PRODUCT RENEWED  
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Building Code  
Acceptance No. 25-0520-02  
Expiration Date 7/30/30  
By Ishag I. Chandra  
Miami Dade Product Control

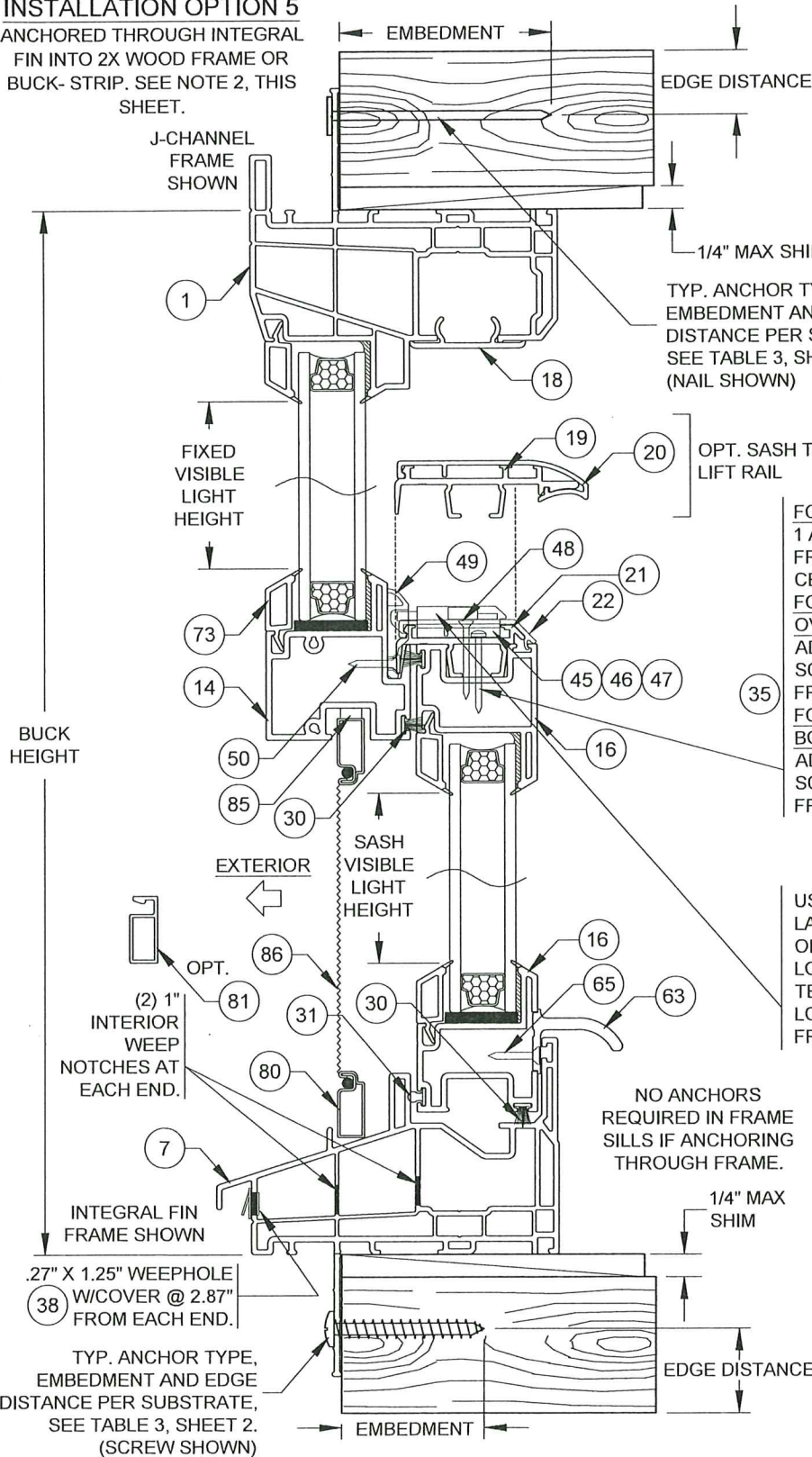


A. LYNN MILLER, P.E.  
P.E.# 58705



INSTALLATION DETAILS FOR INTEGRAL FIN & J-CHANNEL FRAMES

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



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

VERTICAL SECTION D-D

TYP. ANCHOR TYPE,  
EMBEDMENT AND EDGE  
DISTANCE PER SUBSTRATE,  
SEE TABLE 2, SHEET 2.  
(SCREW SHOWN)

TYP. ANCHOR TYPE,  
EMBEDMENT AND EDGE  
DISTANCE PER SUBSTRATE,  
SEE TABLE 3, SHEET 2.  
(NAIL SHOWN)

FOR ALL WINDOWS:  
1 ANCHOR @ 3.55"  
FROM END AND AT  
CENTER.  
FOR WINDOWS  
OVER 36" WIDE:  
ADD ADDITIONAL  
SCREWS @ 16-3/8"  
FROM END.  
FOR WINDOWS WITH  
BOTTOM LOCKS:  
ADD ADDITIONAL  
SCREWS @ 8-3/8"  
FROM END.

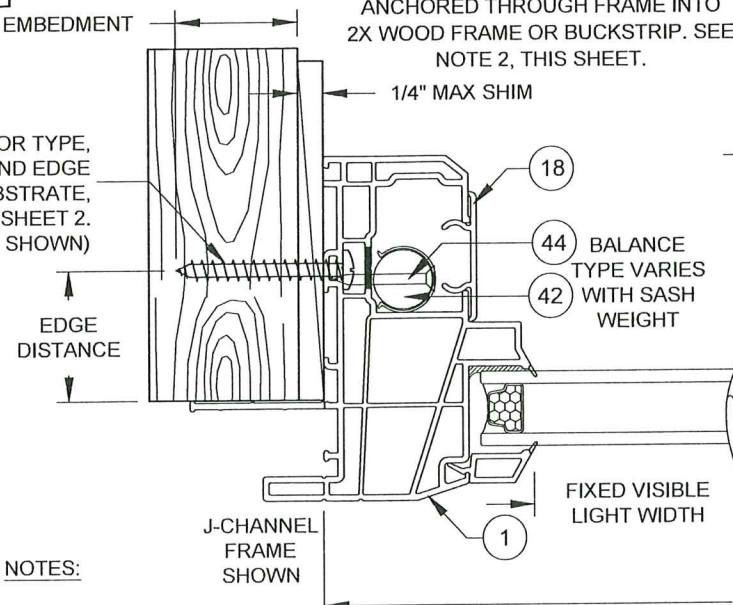
USE EITHER  
LATCH (SHOWN)  
OR BOTTOM  
LOCK (SHEET 3).  
TESTED UNIT  
LOCATION: 6-5/8"  
FROM SASH END.

NO ANCHORS  
REQUIRED IN FRAME  
SILLS IF ANCHORING  
THROUGH FRAME.

VISIBLE LIGHT FORMULAS

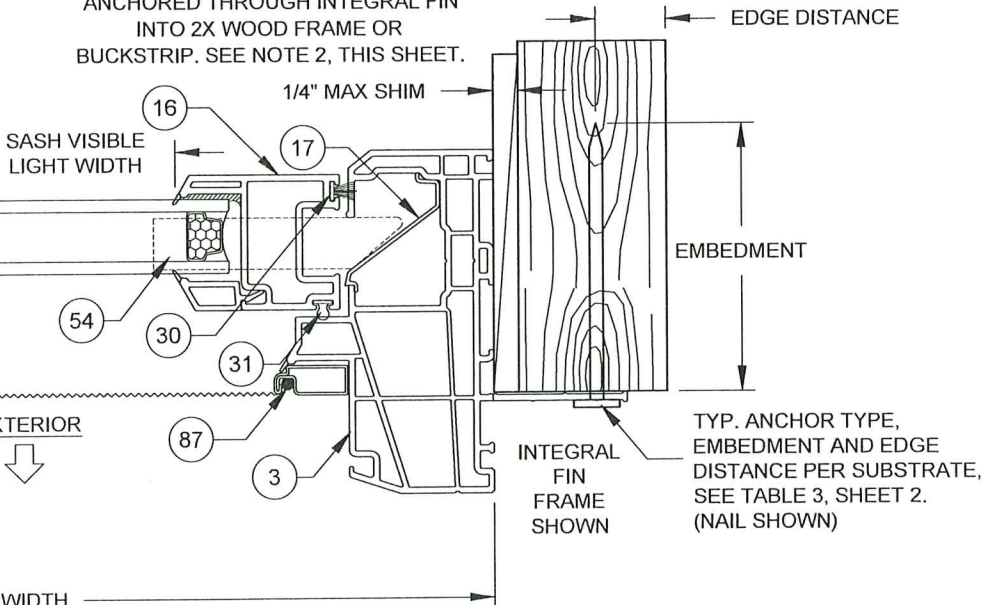
WIDTH  
@ SASH: BUCK WIDTH - 6-1/2"  
@ FIXED LITE: BUCK WIDTH - 4-3/8"  
  
HEIGHT (EQUAL-LITE)  
BUCK HEIGHT/2 - 3-15/16"

INSTALLATION OPTION 6  
ANCHORED THROUGH FRAME INTO  
2X WOOD FRAME OR BUCKSTRIP. SEE  
NOTE 2, THIS SHEET.



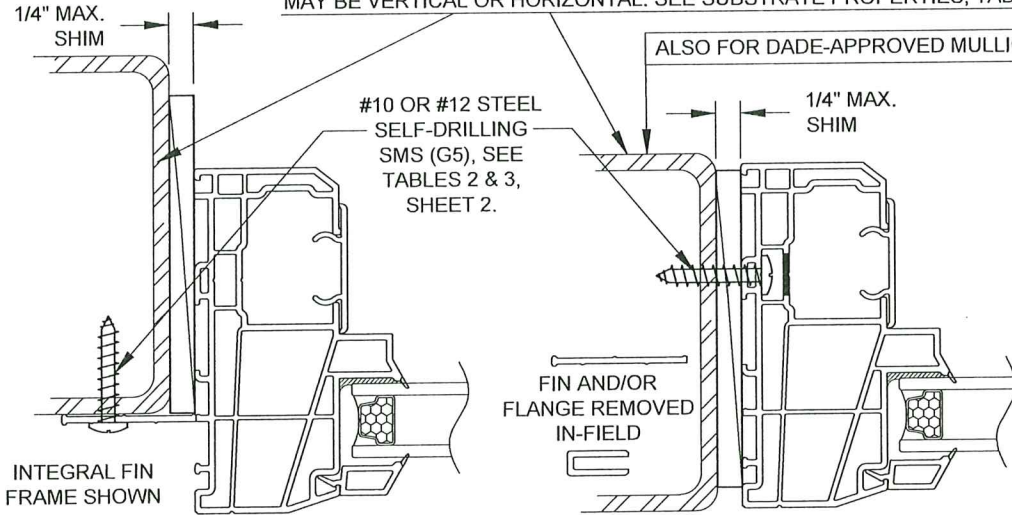
- NOTES:
- 1) USE ONLY  
SUBSTRATE-APPROPRIATE  
ANCHORS LISTED ON TABLES 2 & 3  
OF SHEET 2. FOLLOW EMBEDMENT  
AND EDGE DISTANCE LIMITS. ANY  
INSTALLATION OPTION SHOWN MAY  
BE USED ON ANY SIDE OF THE  
WINDOW.
  - 2) MASONRY ANCHORS MAY BE  
USED INTO WOOD AS PER TABLE 2,  
SHEET 2. ALL WOOD BUCKS LESS  
THAN 1-1/2" THICK ARE TO BE  
CONSIDERED 1X INSTALLATIONS.  
1X WOOD BUCKS ARE OPTIONAL IF  
UNIT IS INSTALLED DIRECTLY TO  
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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) ALL ANCHOR HEAD TYPES  
ARE ACCEPTABLE.

INSTALLATION OPTION 5  
ANCHORED THROUGH INTEGRAL FIN  
INTO 2X WOOD FRAME OR  
BUCKSTRIP. SEE NOTE 2, THIS SHEET.



HORIZONTAL SECTION C-C

FBC COMPLIANT ALUMINUM/STEEL FRAMING OR STEEL STUD.  
MAY BE VERTICAL OR HORIZONTAL. SEE SUBSTRATE PROPERTIES, TABLES 2 & 3, SHEET 2.



INSTALLATION  
OPTION 7  
ANCHORED THROUGH  
INTEGRAL FIN INTO METAL

INSTALLATION  
OPTION 8  
ANCHORED THROUGH FRAME INTO  
METAL (INTEGRAL FIN/FLANGE REMOVED)

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

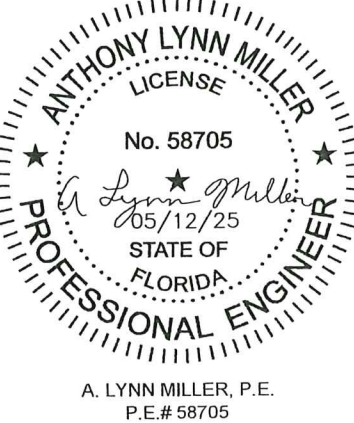
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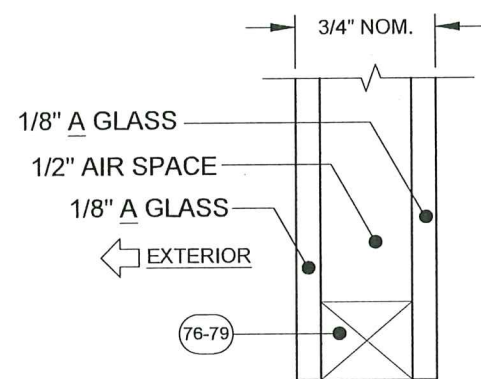
REGISTRATION #29296

Rev	05/15/15	Date	05/15/15
Rev	J-CHANNEL & INT. FIN FRAMES	Drawn By	JENS ROSOWSKI
Rev	NO CHANGES THIS SHEET. - AM	Rev Date	05/12/25
Series	SH5400	Sheet	4 OF 12
DWG No.	SH5400-NOA	Rev	E

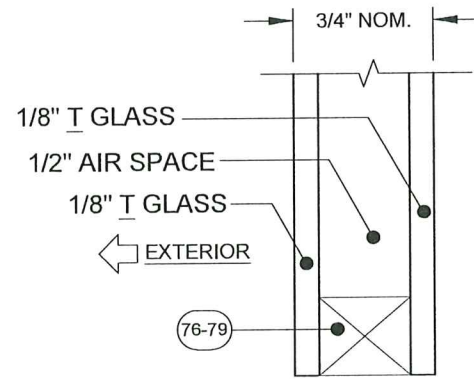
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Miami Dade Product Control



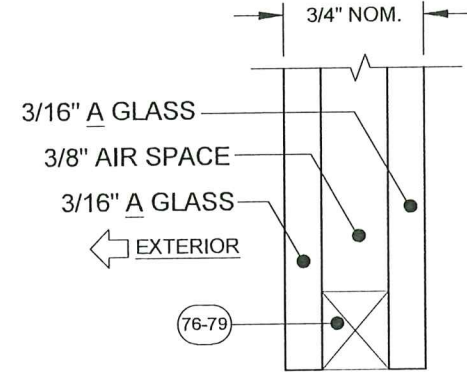




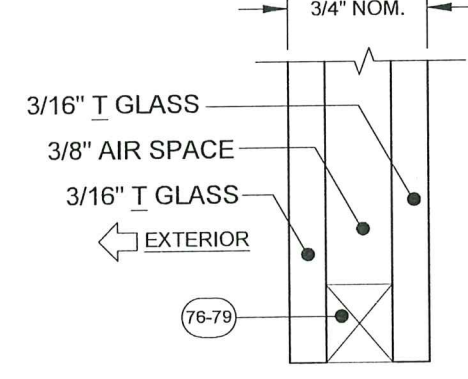
GLASS TYPE 1



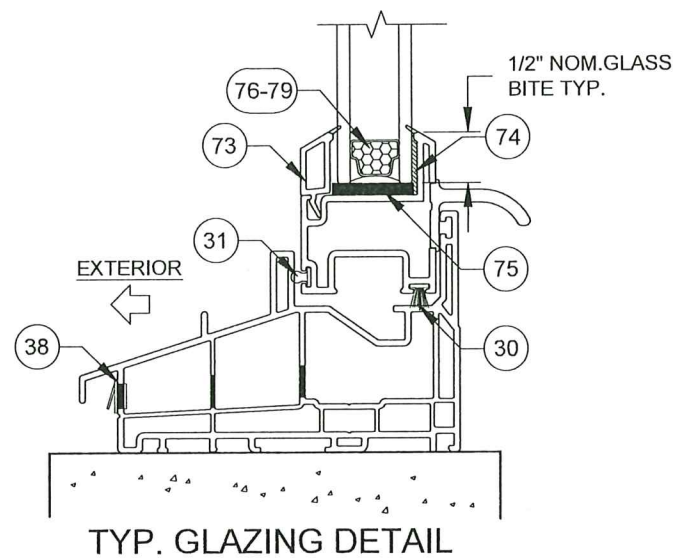
GLASS TYPE 2



GLASS TYPE 3



GLASS TYPE 4



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

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<b>PGT</b> 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	VINYL SINGLE HUNG WINDOW (NI)	
Desc.	Rev	GLASS DETAILS	
NO CHANGES THIS SHEET. - AM		Drawn By JENS ROSOWSKI	Date 05/15/15
SH5400	Sheet 5 OF 12	DWG No. SH5400-NOA	Rev. E

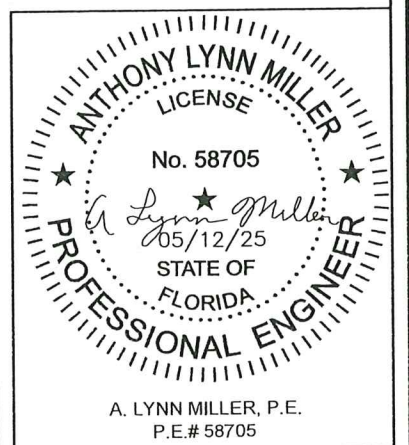




TABLE 4:

Glass Types 1 - 4		Bottom Sash Description for given Range @ Window Height Shown	Sash Height Range (in)	Design Pressure (lbs/ft <sup>2</sup> )															
Reinf. Level R1	Window Buck Width (in)																		
	18			24		32		36		40		48		52.125					
Window Buck Height (in)	23.5	Equal-lite	11.394	+50.0	-100.0	+50.0	-100.0	+50.0	-100.0	+50.0	-100.0	+50.0	-100.0	+50.0	-99.0	+50.0	-92.0		
	28	Standard Cottage	14.517 - 15.870	+50.0	-100.0	+50.0	-100.0	+50.0	-100.0	+50.0	-100.0	+50.0	-100.0	+50.0	-97.0	+50.0	-90.0		
		Equal-lite	11.583 - 14.516	+50.0	-100.0	+50.0	-100.0	+50.0	-100.0	+50.0	-100.0	+50.0	-100.0	+50.0	-100.0	+50.0	-97.1		
		Standard Preview	11.377 - 11.582	+50.0	-100.0	+50.0	-100.0	+50.0	-100.0	+50.0	-100.0	+50.0	-100.0	+50.0	-100.0	+50.0	-94.0		
	37.375	Tallest	23.517 - 25.286	+50.0	-100.0	+50.0	-100.0	+50.0	-100.0	+50.0	-100.0	+50.0	-100.0	+50.0	-88.0	+50.0	-77.9		
		Standard Cottage	20.958 - 23.516	+50.0	-100.0	+50.0	-100.0	+50.0	-100.0	+50.0	-100.0	+50.0	-100.0	+50.0	-88.6	+50.0	-78.1		
		Equal-lite	17.517 - 20.957	+50.0	-100.0	+50.0	-100.0	+50.0	-100.0	+50.0	-100.0	+50.0	-100.0	+50.0	-86.6	+50.0	-78.0		
	44	Standard Preview	14.517 - 17.516	+50.0	-100.0	+50.0	-100.0	+50.0	-100.0	+50.0	-100.0	+50.0	-100.0	+50.0	-84.2	+50.0	-75.2		
		Shortest	11.377 - 14.516	+50.0	-100.0	+50.0	-100.0	+50.0	-100.0	+50.0	-100.0	+50.0	-100.0	+50.0	-83.0	+50.0	-73.6		
		Tallest	27.583 - 31.911	+50.0	-100.0	+50.0	-100.0	+50.0	-100.0	+50.0	-97.0	+50.0	-89.0	+50.0	-76.0	+50.0	-71.0		
	48	Custom Size	26.517 - 27.582	+50.0	-100.0	+50.0	-100.0	+50.0	-100.0	+50.0	-100.0	+50.0	-100.0	+50.0	-82.3	+50.0	-73.9		
		Standard Cottage	23.517 - 26.516	+50.0	-100.0	+50.0	-100.0	+50.0	-100.0	+50.0	-100.0	+50.0	-100.0	+50.0	-79.0	+50.0	-70.9		
		Equal-lite	20.517 - 23.516	+50.0	-100.0	+50.0	-100.0	+50.0	-100.0	+50.0	-100.0	+50.0	-100.0	+50.0	-78.3	+50.0	-70.3		
	49.625	Standard Preview	17.517 - 20.516	+50.0	-100.0	+50.0	-100.0	+50.0	-100.0	+50.0	-100.0	+50.0	-100.0	+50.0	-78.5	+50.0	-70.4		
		Custom Size	14.517 - 17.516	+50.0	-100.0	+50.0	-100.0	+50.0	-100.0	+50.0	-100.0	+50.0	-100.0	+50.0	-79.5	+50.0	-71.2		
		Shortest	11.377 - 14.516	+50.0	-100.0	+50.0	-100.0	+50.0	-100.0	+50.0	-100.0	+50.0	-94.1	+50.0	-78.8	+50.0	-71.8		
	62	Tallest	31.583 - 35.911	+50.0	-100.0	+50.0	-100.0	+50.0	-90.9	+50.0	-89.3	+50.0	-89.3	+50.0	-74.9	+50.0	-69.1		
		Standard Cottage	26.517 - 31.582	+50.0	-100.0	+50.0	-100.0	+50.0	-100.0	+50.0	-100.0	+50.0	-96.4	+50.0	-73.8	+50.0	-65.8		
		Equal-lite	20.517 - 26.516	+50.0	-100.0	+50.0	-100.0	+50.0	-100.0	+50.0	-100.0	+50.0	-93.2	+50.0	-71.6	+50.0	-63.9		
	75	Standard Preview	17.517 - 20.516	+50.0	-100.0	+50.0	-100.0	+50.0	-100.0	+50.0	-100.0	+50.0	-97.1	+50.0	-74.9	+50.0	-67.0		
		Custom Size	14.517 - 17.516	+50.0	-100.0	+50.0	-100.0	+50.0	-100.0	+50.0	-100.0	+50.0	-92.0	+50.0	-76.3	+50.0	-68.1		
		Custom Size	12.517 - 14.516	+50.0	-100.0	+50.0	-100.0	+50.0	-100.0	+50.0	-96.7	+50.0	-87.8	+50.0	-73.6	+50.0	-68.9		
	84	Shortest	11.377 - 12.516	+50.0	-100.0	+50.0	-100.0	+50.0	-96.0	+50.0	-93.8	+50.0	-85.7	+50.0	-72.2	+50.0	-67.3		
		Tallest	33.208 - 37.536	+50.0	-100.0	+50.0	-95.4	+50.0	-84.3	+50.0	-82.2	+50.0	-81.9	+50.0	-71.8	+50.0	-66.8		
		Standard Cottage	26.517 - 33.207	+50.0	-100.0	+50.0	-100.0	+50.0	-100.0	+50.0	-100.0	+50.0	-93.6	+50.0	-71.1	+50.0	-63.3		
	91.78	Equal-lite	23.517 - 26.516	+50.0	-100.0	+50.0	-100.0	+50.0	-100.0	+50.0	-100.0	+50.0	-94.5	+50.0	-72.8	+50.0	-65.1		
		Custom Size	20.517 - 23.516	+50.0	-100.0	+50.0	-100.0	+50.0	-100.0	+50.0	-100.0	+50.0	-94.6	+50.0	-72.9	+50.0	-65.1		
		Standard Preview	17.517 - 20.516	+50.0	-100.0	+50.0	-100.0	+50.0	-100.0	+50.0	-100.0	+50.0	-96.0	+50.0	-73.7	+50.0	-65.8		
	91.78	Custom Size	14.517 - 17.516	+50.0	-100.0	+50.0	-100.0	+50.0	-100.0	+50.0	-99.0	+50.0	-89.8	+50.0	-75.1	+50.0	-67.1		
		Custom Size	12.517 - 14.516	+50.0	-100.0	+50.0	-100.0	+50.0	-93.7	+50.0	-92.5	+50.0	-85.7	+50.0	-72.2	+50.0	-67.3		
Shortest		11.377 - 12.516	+50.0	-100.0	+50.0	-99.6	+50.0	-88.7	+50.0	-87.0	+50.0	-81.9	+50.0	-69.5	+50.0	-64.4			
91.78	Tallest	36.517 - 41.644	+50.0	-100.0	+50.0	-82.6	+50.0	-71.2	+50.0	-68.5	+50.0	-67.1	+50.0	-66.1	+50.0	-58.2			
	Standard Cottage	31.517 - 36.516	+50.0	-100.0	+50.0	-99.2	+50.0	-88.3	+50.0	-86.6	+50.0	-86.4	+50.0	-64.2	+50.0	-56.6			
	Equal-lite	26.517 - 31.516	+50.0	-100.0	+50.0	-100.0	+50.0	-100.0	+50.0	-96.7	+50.0	-85.7	+50.0	-63.7	+50.0	-56.3			
91.78	Standard Preview	23.517 - 26.516	+50.0	-100.0	+50.0	-98.7	+50.0	-87.8	+50.0	-86.0	+50.0	-81.9	+50.0	-65.4	+50.0	-57.8			
	Custom Size	20.517 - 23.516	+50.0	-100.0	+50.0	-88.3	+50.0	-77.0	+50.0	-74.6	+50.0	-73.6	+50.0	-64.8	+50.0	-58.8			
	Custom Size	17.517 - 20.516	+50.0	-97.3	+50.0	-79.9	+50.0	-68.7	+50.0	-65.8	+50.0	-64.2	+50.0	-60.5	+50.0	-55.6			
91.78	Custom Size	14.517 - 17.516	+50.0	-89.6	+50.0	-73.0	+50.0	-61.9	+50.0	-58.9	+50.0	-57.0	+50.0	-55.9	+50.0	-52.6			
	Custom Size	13.017 - 14.516	+50.0	-86.1	+50.0	-70.0	+50.0	-59.0	+50.0	-56.0	+50.0	-53.9	+50.0	-52.4	+50.0	-51.5			
	Shortest	11.864 - 13.016	+50.0	-83.7	+50.0	-67.8	+50.0	-57.0	+50.0	-53.9	+50.0	-51.8	+50.0	-50.0	+50.0	-50.0			
91.78	Tallest	39.517 - 41.644	+50.0	-100.0	+50.0	-82.6	+50.0	-71.2	+50.0	-68.5	+50.0	-67.1	+50.0	-60.6	+50.0	-53.0			
	Custom Size	36.517 - 39.516	+50.0	-100.0	+50.0	-88.7	+50.0	-77.5	+50.0	-75.0	+50.0	-74.1	+50.0	-60.7	+50.0	-53.1			
	Equal-lite	35.517 - 38.516	+50.0	-100.0	+50.0	-92.0	+50.0	-80.8	+50.0	-78.5	+50.0	-77.9	+50.0	-60.0	+50.0	-52.4			
91.78	Custom Size	32.517 - 35.516	+50.0	-100.0	+50.0	-85.3	+50.0	-74.0	+50.0	-71.4	+50.0	-70.2	+50.0	-60.2	+50.0	-52.5			
	Standard Preview	29.517 - 32.516	+50.0	-94.6	+50.0	-77.5	+50.0	-66.3	+50.0	-63.3	+50.0	-61.6	+50.0	-59.2	+50.0	-53.0			
	Custom Size	26.517 - 29.516	+50.0	-87.2	+50.0	-71.0	+50.0	-60.0	+50.0	-56.9	+50.0	-54.9	+50.0	-53.5	+50.0	-51.5			
91.78	Shortest	24.864 - 26.516	+50.0	-85.0	+50.0	-69.0	+50.0	-58.1	+50.0	-55.0	+50.0	-53.0	+50.0	-51.4	+50.0	-50.6			
	Equal-lite	38.517 - 41.644	+50.0	-94.6	+50.0	-77.5	+50.0	-66.3	+50.0	-63.3	+50.0	-61.6	+50.0	-58.4	+50.0	-50.5			
	Custom Size	35.517 - 38.516	+50.0	-87.2	+50.0	-71.0	+50.0	-60.0	+50.0	-56.9	+50.0	-54.9	+50.0	-53.5	+50.0	-50.8			
91.78	Standard Preview	33.864 - 35.516	+50.0	-83.7	+50.0	-67.8	+50.0	-57.0	+50.0	-53.9	+50.0	-51.8	+50.0	-50.0	+50.0	-50.0			
	Tallest	** -41.644	+50.0	-83.7	+50.0	-67.8	+50.0	-57.0	+50.0	-53.9	+50.0	-51.8	+50.0	-50.0	+50.0	-50.0			

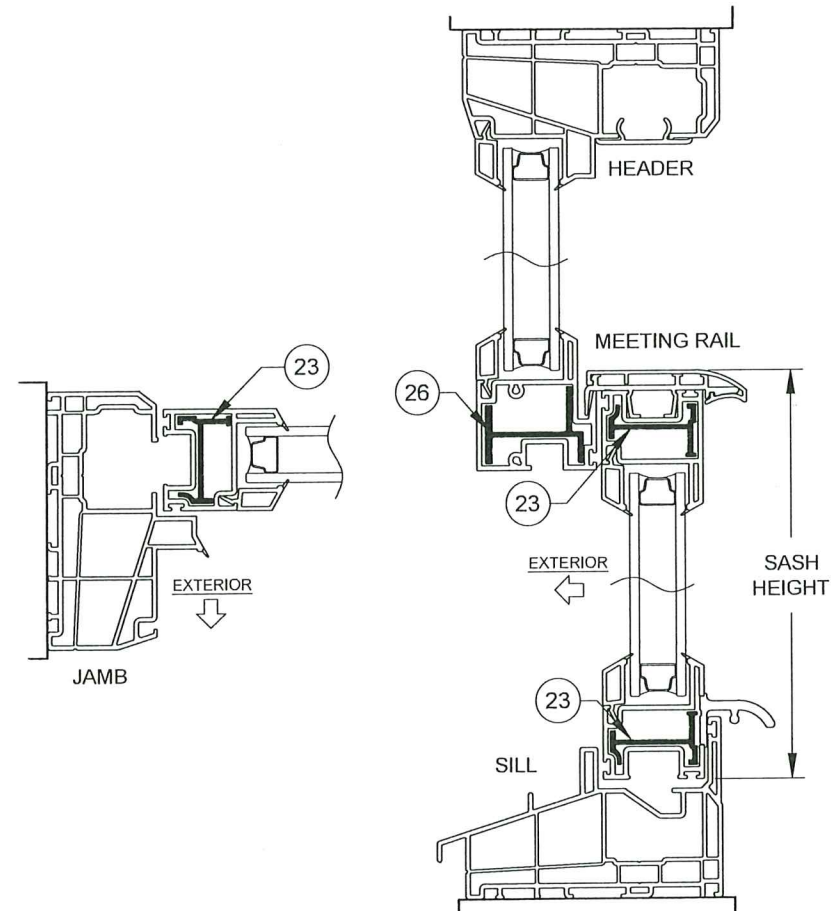
SEE TABLE 6, SHEET 8 FOR ANCHOR GROUP AND QUANTITY.

\*\* MIN. SASH HEIGHT = WINDOW BUCK HEIGHT - 50.136

(APPLIES TO ANY HEIGHT 91.78" OR LESS)

## NOTES:

- 1) USE THIS TABLE FOR ALL WINDOWS INSTALLED THROUGH THE FRAME OR INTEGRAL FIN.
- 2) FRAME DIMENSIONS ARE BUCK. SASH HEIGHT IS AS PER THE FIGURE.
- 3) FOR SIZES NOT SHOWN, ROUND UP TO THE NEXT AVAILABLE WIDTH OR HEIGHT DIMENSION SHOWN ON THE TABLE.

SECTION DETAIL FOR WINDOWS WITH  
LEVEL R1 REINFORCEMENT & GLASS TYPES 1-4(REINFORCEMENTS SHOWN IN FIGURES  
ABOVE APPLY TO ALL FRAME TYPES &  
CONFIGURATIONS)**PGT**

Custom Windows and Doors

3400 PRECISION DRIVE  
N. VENICE, FL 34275  
(941) 480-1600PREPARED BY A. LYNN MILLER  
1070 TECHNOLOGY DRIVE  
N. VENICE, FL 34275

(941) 480-1600

REGISTRATION #29296

VINYL SINGLE HUNG WINDOW (NI)

Date 05/15/15

DESIGN PRESSURE TABLE

Drawn By

JENS ROSOWSKI

NO CHANGES THIS SHEET. - AM

Rev

Date 05/12/25

SH5400

Sheet

6 OF 12

DWG No.

SH5400-NOA

Rev.

E

**PRODUCT RENEWED**  
as complying with the Florida  
Building Code  
Acceptance No. 25-0520-02  
Expiration Date 7/30/30  
By Isang I. Umade  
Miami Dade Product Control

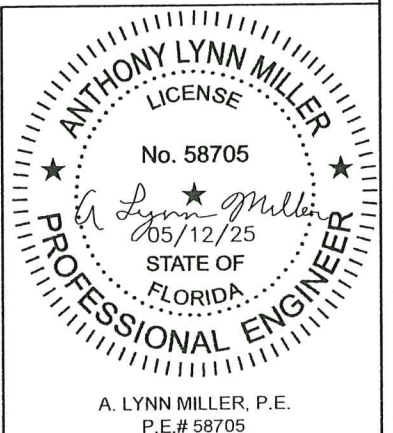




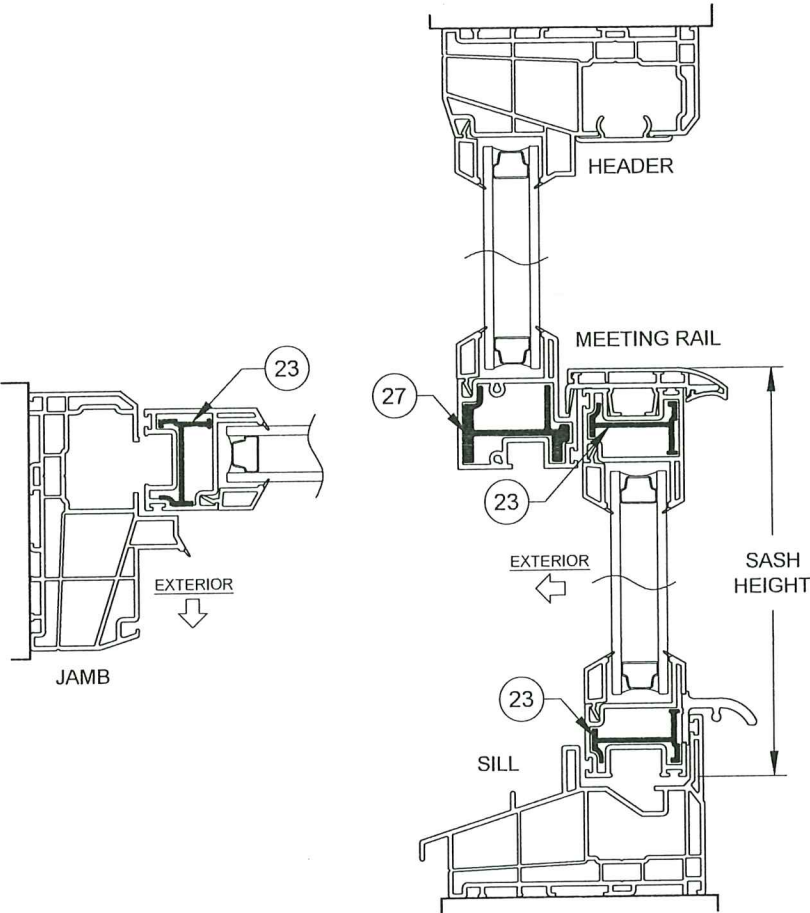
TABLE 5:

Glass Types 2-4	Bottom Sash Description for given Range @ Window Height Shown	Sash Height Range (in)	Design Pressure (lbs/ft <sup>2</sup> )															
			Window Buck Width (in)															
			18		24		32		36		40		48		52.125			
23.5	Equal-lite	11.394	+65.0	-130.0	+65.0	-130.0	+65.0	-130.0	+65.0	-130.0	+65.0	-130.0	+65.0	-129.0	+65.0	-120.0		
	Standard Cottage	14.517 - 15.870	+65.0	-130.0	+65.0	-130.0	+65.0	-130.0	+65.0	-130.0	+65.0	-130.0	+65.0	-127.0	+65.0	-118.0		
28	Equal-lite	11.583 - 14.516	+65.0	-130.0	+65.0	-130.0	+65.0	-130.0	+65.0	-130.0	+65.0	-130.0	+65.0	-130.0	+65.0	-130.0		
	Standard Proview	11.377 - 11.582	+65.0	-130.0	+65.0	-130.0	+65.0	-130.0	+65.0	-130.0	+65.0	-130.0	+65.0	-130.0	+65.0	-130.0		
37.375	Tallest	23.517 - 25.286	+65.0	-130.0	+65.0	-130.0	+65.0	-130.0	+65.0	-130.0	+65.0	-130.0	+65.0	-122.0	+65.0	-113.0		
	Standard Cottage	20.958 - 23.516	+65.0	-130.0	+65.0	-130.0	+65.0	-130.0	+65.0	-130.0	+65.0	-130.0	+65.0	-124.6	+65.0	-112.3		
	Equal-lite	17.517 - 20.957	+65.0	-130.0	+65.0	-130.0	+65.0	-130.0	+65.0	-130.0	+65.0	-130.0	+65.0	-121.2	+65.0	-109.3		
	Standard Proview	14.517 - 17.516	+65.0	-130.0	+65.0	-130.0	+65.0	-130.0	+65.0	-130.0	+65.0	-130.0	+65.0	-122.2	+65.0	-110.2		
	Shortest	11.377 - 14.516	+65.0	-130.0	+65.0	-130.0	+65.0	-130.0	+65.0	-130.0	+65.0	-130.0	+65.0	-116.0	+65.0	-107.0		
44	Tallest	27.583 - 31.911	+65.0	-130.0	+65.0	-130.0	+65.0	-130.0	+65.0	-130.0	+65.0	-130.0	+65.0	-99.0	+65.0	-93.0		
	Custom Size	26.517 - 27.582	+65.0	-130.0	+65.0	-130.0	+65.0	-130.0	+65.0	-130.0	+65.0	-130.0	+65.0	-115.3	+65.0	-103.4		
	Standard Cottage	23.517 - 26.516	+65.0	-130.0	+65.0	-130.0	+65.0	-130.0	+65.0	-130.0	+65.0	-130.0	+65.0	-110.6	+65.0	-99.2		
	Equal-lite	20.517 - 23.516	+65.0	-130.0	+65.0	-130.0	+65.0	-130.0	+65.0	-130.0	+65.0	-130.0	+65.0	-109.6	+65.0	-98.4		
	Standard Proview	17.517 - 20.516	+65.0	-130.0	+65.0	-130.0	+65.0	-130.0	+65.0	-130.0	+65.0	-130.0	+65.0	-109.9	+65.0	-98.6		
	Custom Size	14.517 - 17.516	+65.0	-130.0	+65.0	-130.0	+65.0	-130.0	+65.0	-130.0	+65.0	-130.0	+65.0	-111.3	+65.0	-99.7		
	Shortest	11.377 - 14.516	+65.0	-130.0	+65.0	-130.0	+65.0	-130.0	+65.0	-130.0	+65.0	-130.0	+65.0	-113.8	+65.0	-101.7		
48	Tallest	31.583 - 35.911	+65.0	-130.0	+65.0	-130.0	+65.0	-130.0	+65.0	-127.2	+65.0	-125.1	+65.0	-116.0	+65.0	-99.0		
	Standard Cottage	26.517 - 31.582	+65.0	-130.0	+65.0	-130.0	+65.0	-130.0	+65.0	-130.0	+65.0	-130.0	+65.0	-103.3	+65.0	-92.1		
	Equal-lite	20.517 - 26.516	+65.0	-130.0	+65.0	-130.0	+65.0	-130.0	+65.0	-130.0	+65.0	-130.0	+65.0	-100.2	+65.0	-89.5		
	Standard Proview	17.517 - 20.516	+65.0	-130.0	+65.0	-130.0	+65.0	-130.0	+65.0	-130.0	+65.0	-130.0	+65.0	-104.8	+65.0	-93.7		
	Custom Size	14.517 - 17.516	+65.0	-130.0	+65.0	-130.0	+65.0	-130.0	+65.0	-130.0	+65.0	-130.0	+65.0	-106.8	+65.0	-95.3		
	Custom Size	12.517 - 14.516	+65.0	-130.0	+65.0	-130.0	+65.0	-130.0	+65.0	-130.0	+65.0	-130.0	+65.0	-110.9	+65.0	-98.8		
	Shortest	11.377 - 12.516	+65.0	-130.0	+65.0	-130.0	+65.0	-130.0	+65.0	-130.0	+65.0	-130.0	+65.0	-114.5	+65.0	-101.8		
49.625	Tallest	33.208 - 37.536	+65.0	-130.0	+65.0	-130.0	+65.0	-118.0	+65.0	-115.1	+65.0	-114.7	+65.0	-99.0	+65.0	-93.0		
	Standard Cottage	26.517 - 33.207	+65.0	-130.0	+65.0	-130.0	+65.0	-130.0	+65.0	-130.0	+65.0	-130.0	+65.0	-99.6	+65.0	-88.6		
	Equal-lite	23.517 - 26.516	+65.0	-130.0	+65.0	-130.0	+65.0	-130.0	+65.0	-130.0	+65.0	-130.0	+65.0	-101.9	+65.0	-91.1		
	Custom Size	20.517 - 23.516	+65.0	-130.0	+65.0	-130.0	+65.0	-130.0	+65.0	-130.0	+65.0	-130.0	+65.0	-102.0	+65.0	-91.2		
	Standard Proview	17.517 - 20.516	+65.0	-130.0	+65.0	-130.0	+65.0	-130.0	+65.0	-130.0	+65.0	-130.0	+65.0	-103.2	+65.0	-92.1		
	Custom Size	14.517 - 17.516	+65.0	-130.0	+65.0	-130.0	+65.0	-130.0	+65.0	-130.0	+65.0	-130.0	+65.0	-105.4	+65.0	-93.9		
	Custom Size	12.517 - 14.516	+65.0	-130.0	+65.0	-130.0	+65.0	-130.0	+65.0	-129.5	+65.0	-129.5	+65.0	-109.6	+65.0	-97.4		
62	Shortest	11.377 - 12.516	+65.0	-130.0	+65.0	-130.0	+65.0	-124.2	+65.0	-121.8	+65.0	-121.7	+65.0	-113.2	+65.0	-100.4		
	Tallest	36.517 - 41.644	+65.0	-130.0	+65.0	-115.6	+65.0	-99.7	+65.0	-95.9	+65.0	-93.9	+65.0	-92.7	+65.0	-81.5		
	Standard Cottage	31.517 - 36.516	+65.0	-130.0	+65.0	-130.0	+65.0	-123.6	+65.0	-121.2	+65.0	-121.0	+65.0	-89.8	+65.0	-79.3		
	Equal-lite	26.517 - 31.516	+65.0	-130.0	+65.0	-130.0	+65.0	-130.0	+65.0	-130.0	+65.0	-119.9	+65.0	-89.2	+65.0	-78.8		
	Standard Proview	23.517 - 26.516	+65.0	-130.0	+65.0	-130.0	+65.0	-122.9	+65.0	-120.4	+65.0	-120.2	+65.0	-91.6	+65.0	-81.0		
	Custom Size	20.517 - 23.516	+65.0	-130.0	+65.0	-123.7	+65.0	-107.9	+65.0	-104.4	+65.0	-103.1	+65.0	-93.4	+65.0	-82.4		
	Custom Size	17.517 - 20.516	+65.0	-130.0	+65.0	-111.9	+65.0	-96.1	+65.0	-92.1	+65.0	-89.9	+65.0	-89.3	+65.0	-84.5		
	Custom Size	14.517 - 17.516	+65.0	-125.4	+65.0	-102.2	+65.0	-86.7	+65.0	-82.4	+65.0	-79.8	+65.0	-78.2	+65.0	-78.2		
	Custom Size	13.017 - 14.516	+65.0	-120.6	+65.0	-98.0	+65.0	-82.6	+65.0	-78.3	+65.0	-75.5	+65.0	-73.4	+65.0	-73.4		
	Shortest	11.864 - 13.016	+65.0	-117.1	+65.0	-94.9	+65.0	-79.8	+65.0	-75.4	+65.0	-72.5	+65.0	-70.0	+65.0	-70.0		
75	Tallest	39.517 - 41.644	+65.0	-130.0	+65.0	-115.6	+65.0	-99.7	+65.0	-95.9	+65.0	-93.9	+65.0	-84.9	+65.0	-74.2		
	Custom Size	38.517 - 39.516	+65.0	-130.0	+65.0	-124.2	+65.0	-108.4	+65.0	-105.0	+65.0	-103.7	+65.0	-84.9	+65.0	-74.3		
	Equal-lite	35.517 - 38.516	+65.0	-130.0	+65.0	-128.8	+65.0	-113.1	+65.0	-109.9	+65.0	-109.0	+65.0	-84.0	+65.0	-73.4		
	Custom Size	32.517 - 35.516	+65.0	-130.0	+65.0	-119.5	+65.0	-103.6	+65.0	-99.9	+65.0	-98.3	+65.0	-84.2	+65.0	-73.6		
	Standard Proview	29.517 - 32.516	+65.0	-130.0	+65.0	-108.5	+65.0	-92.8	+65.0	-88.7	+65.0	-86.3	+65.0	-85.2	+65.0	-74.3		
	Custom Size	26.517 - 29.516	+65.0	-122.1	+65.0	-99.3	+65.0	-83.9	+65.0	-79.7	+65.0	-76.9	+65.0	-74.9	+65.0	-74.9		
	Shortest	24.864 - 26.516	+65.0	-119.1	+65.0	-96.6	+65.0	-81.4	+65.0	-77.1	+65.0	-74.2	+65.0	-71.9	+65.0	-71.9		
84	Equal-lite	38.517 - 41.644	+65.0	-130.0	+65.0	-108.5	+65.0	-92.8	+65.0	-88.7	+65.0	-86.3	+65.0	-81.8	+65.0	-70.6		
	Custom Size	35.517 - 38.516	+65.0	-122.1	+65.0	-99.3	+65.0	-83.9	+65.0	-79.7	+65.0	-76.9	+65.0	-74.9	+65.0	-71.1		
	Standard Proview	33.864 - 35.516	+65.0	-117.1	+65.0	-94.9	+65.0	-79.8	+65.0	-75.4	+65.0	-72.5	+65.0	-70.0	+65.0	-70.0		
91.78	Tallest	** - 41.644	+65.0	-117.1	+65.0	-94.9	+65.0	-79.8	+65.0	-75.4	+65.0	-72.5	+65.0	-70.0	+65.0	-70.0		

SEE TABLE 7, SHEET 9 FOR ANCHOR GROUP AND QUANTITY.  
\*\* MIN. SASH HEIGHT = WINDOW BUCK HEIGHT - 50.136  
(APPLIES TO ANY HEIGHT 91.78" OR LESS)

NOTES:

- 1) USE THIS TABLE FOR ALL WINDOWS INSTALLED THROUGH THE FRAME OR INTEGRAL FIN.
- 2) FRAME DIMENSIONS ARE BUCK. SASH HEIGHT IS AS PER THE FIGURE.
- 3) FOR SIZES NOT SHOWN, ROUND UP TO THE NEXT AVAILABLE WIDTH OR HEIGHT DIMENSION SHOWN ON THE TABLE.



SECTION DETAIL FOR WINDOWS WITH  
LEVEL R2 REINFORCEMENT & GLASS TYPES 2-4  
(REINFORCEMENTS SHOWN IN FIGURES  
ABOVE APPLY TO ALL FRAME TYPES &  
CONFIGURATIONS)

**PRODUCT RENEWED**  
as complying with the Florida  
Building Code  
Acceptance No 25-0520-02  
Expiration Date 7/30/30  
By Shang I. Khan  
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	Desc	Title	Date
			VINYL SINGLE HUNG WINDOW (NI)	05/15/15
			DESIGN PRESSURE TABLE	Drawn By JENS ROSOWSKI
			NO CHANGES THIS SHEET. - AM	Rev Date 05/12/25
		SH5400	Sheet 7 OF 12	DWG No. SH5400-NOA
				Rev. E

ANTHONY LYNN MILLER  
LICENSE  
No. 58705  
05/12/25  
STATE OF  
FLORIDA  
PROFESSIONAL ENGINEER

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



FOR ANCHOR GROUP D, TABLE 7, SHEET 9 MAY BE USED.

Max. Anchor O.C. Spacing for "Integral-Fin" Installation	Anchor Group E	Anchor Group F
	2.7"	4"

(APPLIES TO ANY HEIGHT 91.78" OR LESS)

- 1) USE THE ABOVE "ANCHOR QUANTITIES REQUIRED....." TABLE FOR ANCHORS INSTALLED THROUGH THE FRAME.
- 2) USE THE ABOVE "MAX. ANCHOR O.C. SPACING....." TABLE FOR ANCHORS INSTALLED THROUGH THE INTEGRAL FIN.
- 3) FRAME DIMENSIONS ARE BUCK. "MR" = MEETING RAIL.
- 4) FOR SIZES NOT SHOWN, ROUND UP TO THE NEXT AVAILABLE WIDTH OR HEIGHT DIMENSION SHOWN ON THE TABLE.
- 5) REFER TO TABLES 2 & 3, SHEET 2 FOR ANCHOR GROUP DESCRIPTIONS.

<p><b>PRODUCT RENEWED</b>          is complying with the Florida          Building Code          Acceptance No. <u>25-0520-02</u>          Expiration Date <u>7/30/30</u></p> <p>By <u>Shag I. Linn</u>          Miami Dade Product Control</p>	 <p><b>PGT</b> Custom Windows and Doors</p>		<p>PREPARED BY A. LYNN MILLER          1070 TECHNOLOGY DRIVE          N. VENICE, FL 34275</p> <p>(941) 480-1600</p>		
	3400 PRECISION DRIVE N. VENICE, FL 34275 (941) 480-1600		REGISTRATION #29296		
	Title	VINYL SINGLE HUNG WINDOW (NI)	Date	05/15/15	
	Desc.	ANCHOR QUANTITY TABLE	Drawn By	JENS ROSOWSKI	
Rev	NO CHANGES THIS SHEET. - AM		Rev Date	05/12/25	
Series	SH5400	Sheet	8 OF 12	DWG No.	SH5400-NOA
		Rev.	E		



ANTHONY LYNN MILLER  
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 PROFESSIONAL ENGINEER

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 P.E.# 58705



Anchor Quantities Required for "Through-Frame" Installation			Anchor Group B																		Anchor Group C																														
			18" Wide			24" Wide			32" Wide			36" Wide			40" Wide			48" Wide			52-1/8" Wide			18" Wide			24" Wide			32" Wide			36" Wide			40" Wide			48" Wide			52-1/8" Wide									
			Jamb	Header	Side	Jamb	Header	Side	Jamb	Header	Side	Jamb	Header	Side	Jamb	Header	Side	Jamb	Header	Side	Jamb	Header	Side	Jamb	Header	Side	Jamb	Header	Side	Jamb	Header	Side	Jamb	Header	Side	Jamb	Header	Side	Jamb	Header	Side										
Glass Types 2, 3 & 4	Bottom Sash Description for given Range @ Window Height Shown	Sash Height Range (in)	Above MR	Below MR	Header	Above MR	Below MR	Header	Above MR	Below MR	Header	Above MR	Below MR	Header	Above MR	Below MR	Header	Above MR	Below MR	Header	Above MR	Below MR	Header	Above MR	Below MR	Header	Above MR	Below MR	Header	Above MR	Below MR	Header	Above MR	Below MR	Header	Above MR	Below MR	Header	Above MR	Below MR	Header	Above MR	Below MR	Header	Above MR	Below MR	Header				
Window Back Height (in)	23.5	Equal-ite	11.394	1	2	1	1	2	1	1	2	1	1	2	2	1	2	2	1	2	2	1	2	2	1	2	2	1	2	1	1	2	1	1	2	1	1	2	1	1	2	1	1	2	2	1	2	2	1	2	2
	28	Standard Cottage	14.517 - 15.870	1	2	1	1	2	1	1	2	1	1	2	2	1	2	2	1	2	2	1	2	2	1	2	2	1	2	1	1	2	1	1	2	1	1	2	1	1	2	1	1	2	2	1	2	2	1	2	2
		Equal-ite	11.583 - 14.516	1	2	1	1	2	1	1	2	2	1	2	2	1	2	2	1	2	2	1	2	2	1	2	2	1	2	1	1	2	1	1	2	1	1	2	1	1	2	1	1	2	2	1	2	2			
		Standard Preview	11.377 - 11.582	2	2	1	2	2	1	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2			
	37.375	Tallest	23.517 - 25.286	1	2	1	1	2	1	1	3	2	1	3	2	1	3	2	1	3	2	1	4	2	1	4	2	1	2	1	1	2	1	1	3	2	1	4	2	1	4	2	1	4	2	1	3	2	1	3	2
		Standard Cottage	20.958 - 23.516	1	2	1	1	2	1	1	3	2	1	3	2	1	3	2	2	3	2	2	3	2	2	3	2	2	2	1	2	2	1	2	3	2	2	3	2	2	3	2	2	3	2	2	3	2	2	2	
		Equal-ite	17.517 - 20.957	2	2	1	2	2	1	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2			
		Standard Preview	14.517 - 17.516	2	2	1	2	2	1	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2			
		Shortest	11.377 - 14.516	2	2	1	2	2	1	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2			
	44	Tallest	27.583 - 31.911	1	3	1	1	3	1	1	3	2	1	4	2	1	4	2	1	4	2	1	4	2	1	4	2	1	3	1	1	3	1	1	4	2	1	4	2	1	4	2	1	4	2	1	3	2	1	3	2
		Custom Size	26.517 - 27.582	2	3	1	2	3	1	2	3	2	2	3	2	2	3	2	2	4	2	2																													

Anchor Group F	3.7"
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\*\* MIN. SASH HEIGHT = WINDOW BUCK HEIGHT - 50.136  
(APPLIES TO ANY HEIGHT 91.78" OR LESS)

- 1) USE THE ABOVE "ANCHOR QUANTITIES REQUIRED....." TABLE FOR ANCHORS INSTALLED THROUGH THE FRAME.
- 2) USE THE ABOVE "MAX. ANCHOR O.C. SPACING....." TABLE FOR ANCHORS INSTALLED THROUGH THE INTEGRAL FIN.
- 3) FRAME DIMENSIONS ARE BUCK. "MR" = MEETING RAIL.
- 4) FOR SIZES NOT SHOWN, ROUND UP TO THE NEXT AVAILABLE WIDTH OR HEIGHT DIMENSION SHOWN ON THE TABLE.
- 5) REFER TO TABLES 2 & 3, SHEET 2 FOR ANCHOR GROUP DESCRIPTIONS.

**PRODUCT RENEWED**  
as complying with the Florida  
Building Code  
Acceptance No 25-0520-02  
Expiration Date 7/30/30  
By Lshag I. Chandra  
Miami Dade Product Control



**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

t/e	VINYL SINGLE HUNG WINDOW (NI)	
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Date 05/15/15

esc. ANCHOR QUANTITY TABLE

S ROSOWSKI

NO CHANGES THIS SHEET. - AM

Rev	05/12/25
Date	

SH5400

9 OF 12

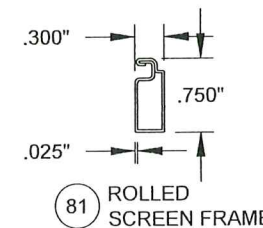
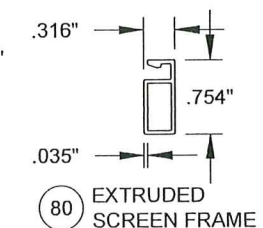
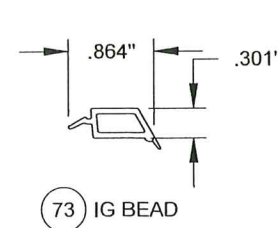
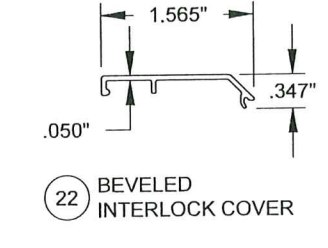
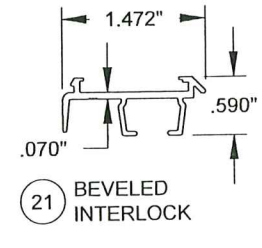
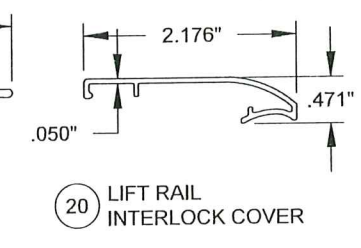
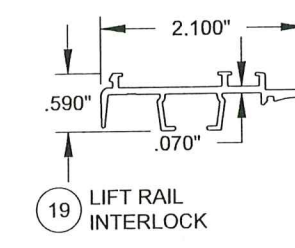
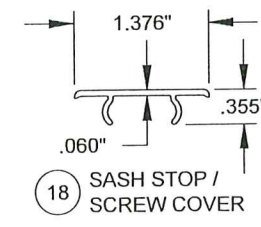
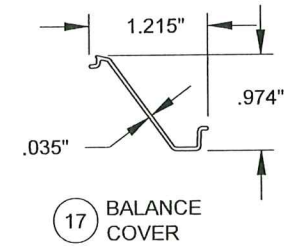
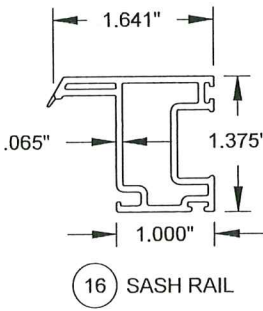
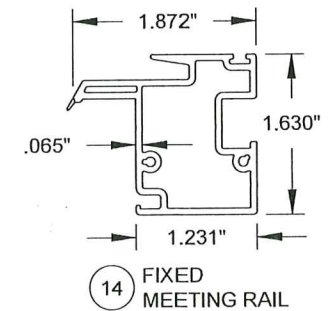
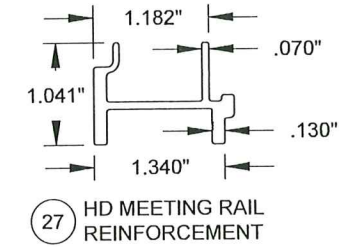
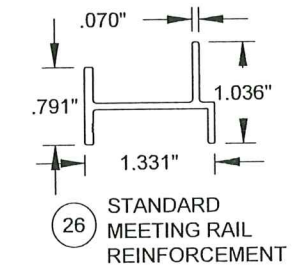
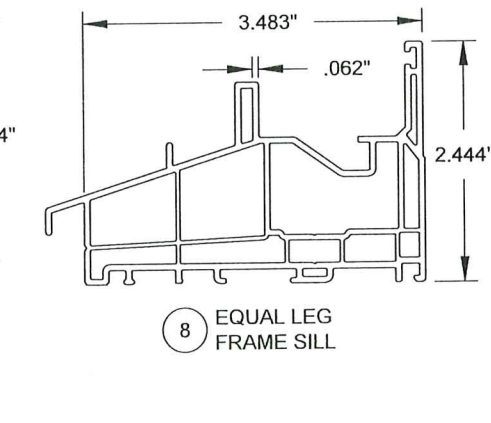
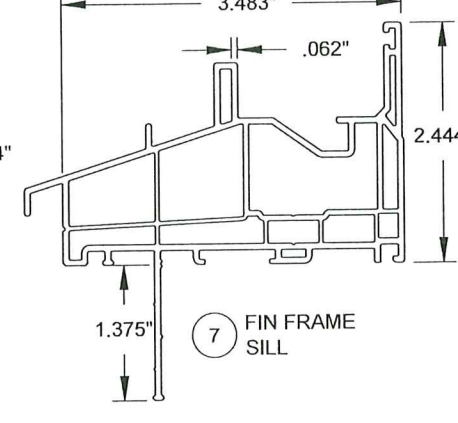
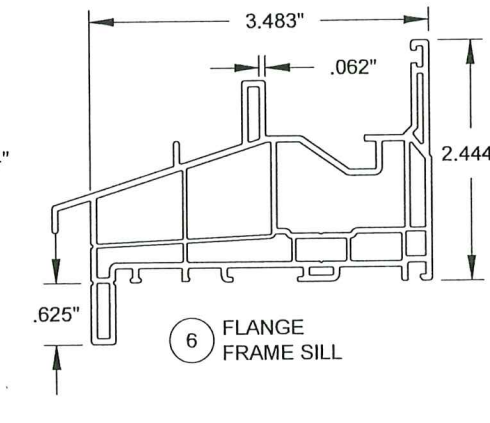
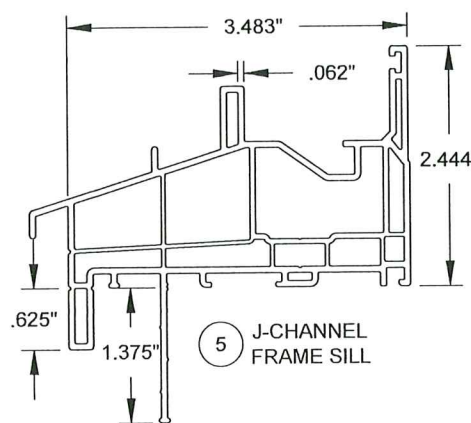
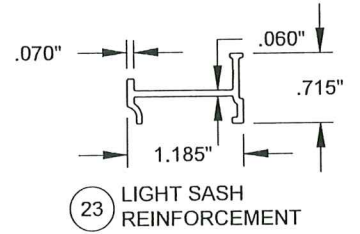
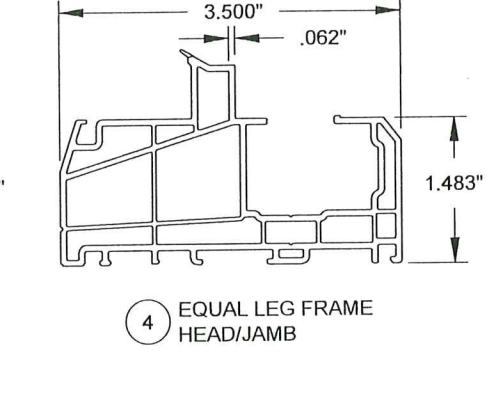
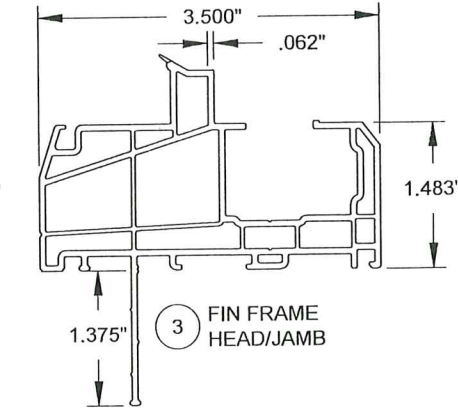
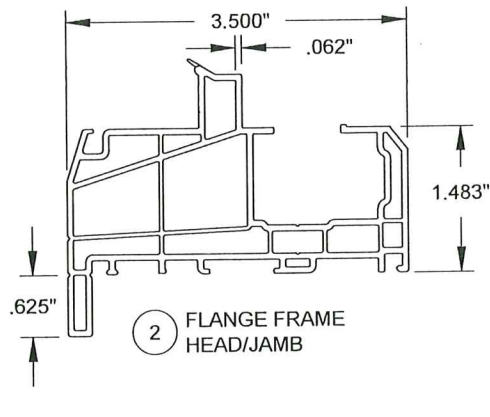
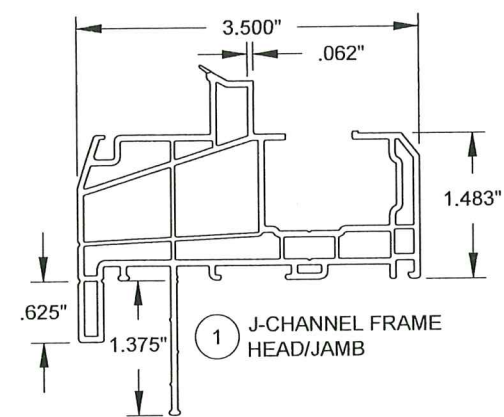
DWG  
No.

SH5400-NOA

Rev 3

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





**PRODUCT RENEWED**  
as complying with the Florida  
Building Code  
Acceptance No. 25-0520-02  
Expiration Date 7/30/30  
By Ishag L. Miller  
Miami Date Product Control

<b>PGT</b> 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	Desc. / Title	Rev	Date
	VINYL SINGLE HUNG WINDOW (NI)		05/15/15
	WINDOW EXTRUSIONS	Drawn By	JENS ROSOWSKI
	NO CHANGES THIS SHEET. - AM	Rev Date	05/12/25
SH5400	Sheet 10 OF 12	DWG No.	SH5400-NOA
		Rev.	E

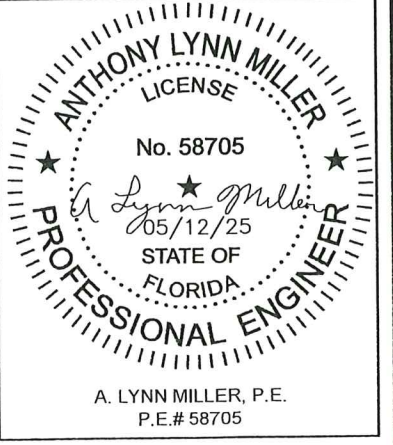


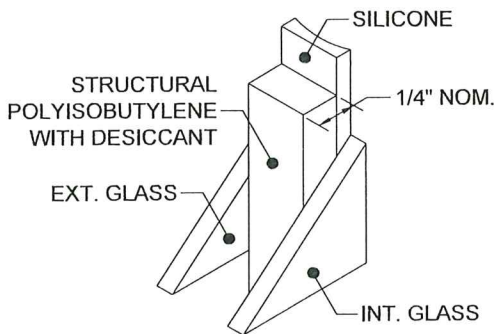


TABLE 8:

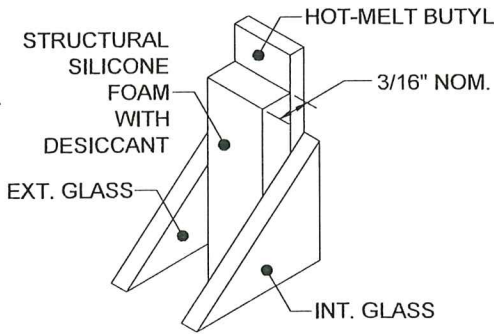
Bill of Material			
#	Part #	Description	Material
1	620101	Single Hung Frame Head & Jambs - J-Channel	PVC
2	620102	Single Hung Frame Head & Jambs - Flange	PVC
3	620103	Single Hung Frame Head & Jambs - Fin	PVC
4	620104	Single Hung Frame Head & Jambs - Equal Leg/Box	PVC
5	620105	SH/DH Frame Sill - J-Channel	PVC
6	620106	SH/DH Frame Sill - Flange	PVC
7	620107	SH/DH Frame Sill - Fin	PVC
8	620108	SH/DH Frame Sill - Equal Leg/Box	PVC
14	620131	Fixed Meeting Rail	PVC
16	620129	Sash Rail (Sides, Top & Bottom)	PVC
17	620134	Balance Cover	PVC
18	620133	Sash Stop/Screw Cover	PVC
19	620156	Pull Rail Interlock	6005 T5 Al
20	620144	Pull Rail Interlock Cover	PVC
21	620157	Beveled Interlock	6005 T5 Al
22	620145	Beveled Interlock Cover	PVC
23	620150	Light Sash Reinforcement	6063 T6 Al
26	620153	Standard Meeting Rail Reinforcement	6005 T5 Al
27	620154	HD Meeting Rail Reinforcement	6005 T5 Al
30	61644	Weatherstrip, .187" x .270" Fin Pile	
31	6Q300	Weatherstrip, .190" x .300" Foam Bulb	Flex PVC
32	61719	Weatherstrip, .187" x .220" PolyPile	
33	61825	Weatherstrip Plug, .220" Finseal	
35	78X1MTTT	#8 x 1" Ph. PH SDS (Interlock Mounting Screw)	
36	78X3THPX	#8 x 3" Ph. PH SMS (Meeting Rail Screw)	410 SS
37	71669SP	Meeting Rail Screw Support Plate	6063 T6 Al
38	720210	Weep Hole Cover	PVC
40	720XXXX	Constant Force Balance	
41		#8 x 3/4" Ph. FH SMS (Con. Force Balance Screw)	SS
42		Spiral Balance	
43	720205	Spiral Balance Shoe	Nylon
44	78X114FPAX	#8 x 1-1/4" Ph. FH SMS (Spiral Balance Screw)	410 SS

TABLE 8, CONT.:

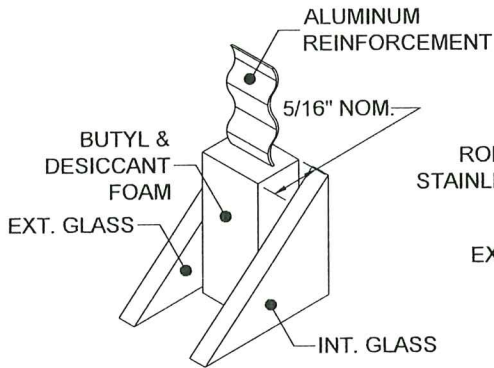
Bill of Material, cont.			
#	Part #	Description	Material
45	720197	Auto Lock Mechanism	C Steel
46	720198&9	Sweep Lock	Cast Zinc
47	720195&6	Auto Lock Cover Assembly	Cast Zinc
48	76X1180PTX	#6 x 1-1/8" Ph. FH SDS (Auto and Sweep Lock Screw)	SS
49	720200	Auto and Sweep Lock Keeper	Cast Zinc
50	76X34PPA	#6 x 3/4" PH. PH SDS (Keeper Screw)	SS
51	420181 L/R	Beveled Tilt Latch Corner Key	PVC
52	420182 L/R	Pull Rail Tilt Latch Corner Key	PVC
53	7634PHFL	#6 x 3/4" Ph. FH SDS (Corner Key Screw)	SS
54	420183	Tilt Latch	PVC
55	420184	Tilt Latch Retainer	PVC
56	720207	1" Tilt Latch Spring	SS
57	420186	Plastic Tilt Latch Finger Pull	PVC
58	720192	Metal Tilt Latch Finger Pull	Cast Zinc
59	420180	Pivot Bar Corner Key	PVC
60	720206	Pivot Bar	SS
63	720191	Sash Pull Handle	Cast Zinc
64	720194	Sash Pull Handle With Latch Assembly	Cast Zinc
65	7834FPT	#8 x 3/4" Ph. FH SDS (Pull Handle Screw )	SS
66	420188	Bottom Latch Strike Plate	Cast Zinc
67	7858B	#8 x 5/8" Ph. FH SMS (Strike Plate Screw)	SS
73	720136	I.G. Bead	PVC
74		Backbedding, GE 7700 or Dow 791 or Dow 983	Silicone
75	71646N	Setting Block (7/8" x 1" x 1/8"), 85 +/- 5 duro.	EPDM
80	61012	Extruded Screen Frame	Alum
81	61011	Roll-Formed Screen Frame	Alum
82	7CKGLB21	Screen Corner Key for Extruded Frame	PVC
83	47042	Screen Corner Key with Pull Ring	PVC
84	47041	Screen Corner Key without Pull Ring	PVC
85	7CASPm	Tension Spring	SS
86	61816C48	Screen Cloth	Fiberglass
87	61635/61614	.140" Screen Spline (Machine/Hand Rolled)	Vinyl



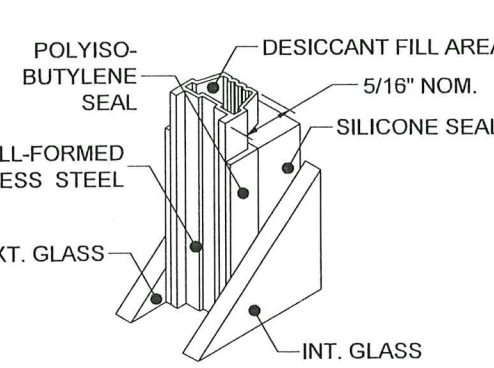
76 KODISPACE  
4SG TPS



77 SUPER  
SPACER® NXT™



78 DURASEAL®  
SPACER



79 XL EDGE™  
SPACER

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	

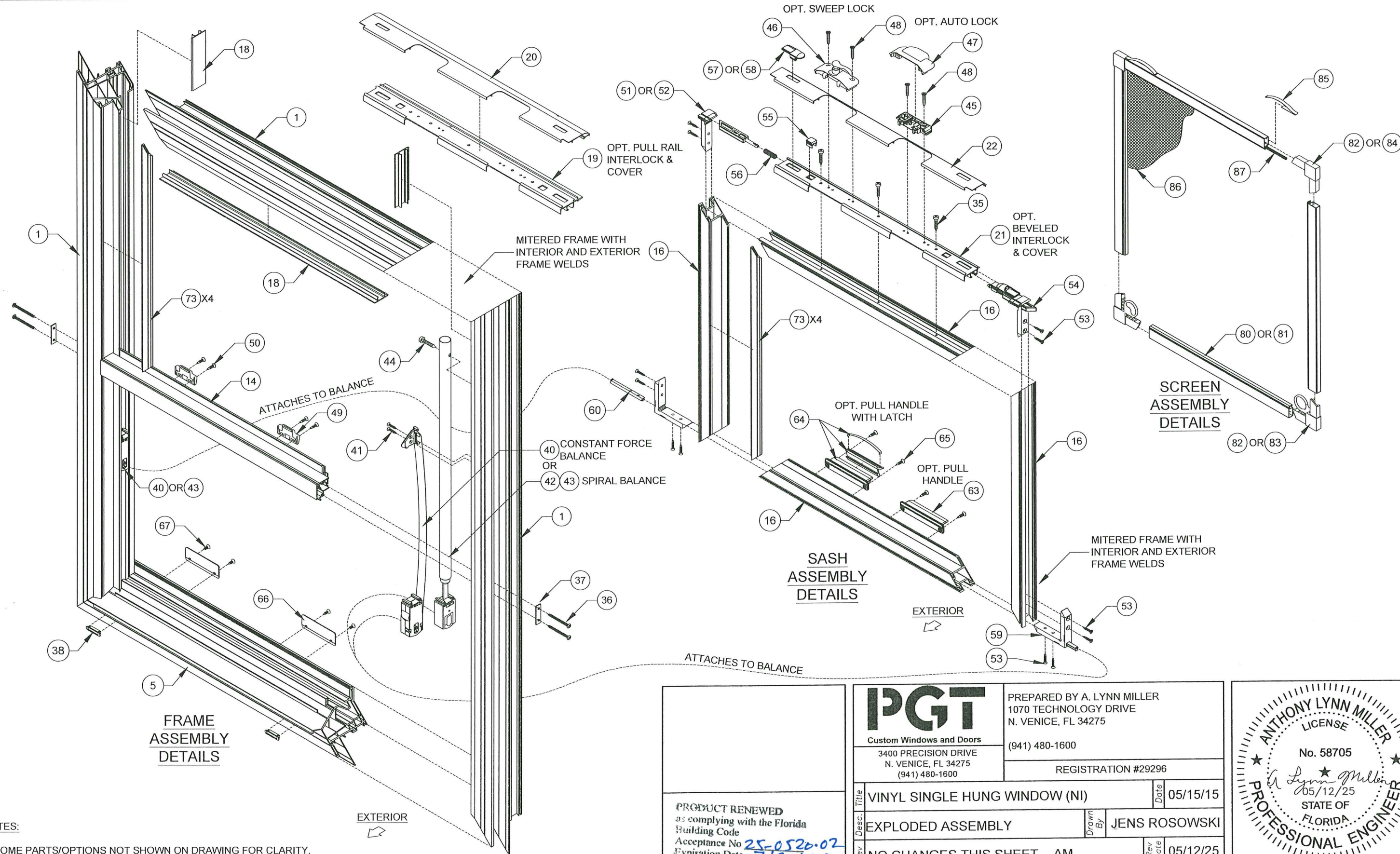
REFERENCE TEST REPORTS: FTL-8717, 8968 & 8970

NOTES:

- 1) PVC BY VISION EXTRUSION, LTD., TO BE LABELED FOR AAMA EXTRUDER CODE.  
2) ITEMS # 9-13, 15, 24, 25, 28, 29, 34, 39, 61, 62, & 68-72 ARE NOT USED AND ARE NOT PART OF THIS APPROVAL.

<b>PGT</b> 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	Date	05/15/15
Desc.	VINYL SINGLE HUNG WINDOW (NI)		
Drawn By	JENS ROSOWSKI		
Rev	Date	05/12/25	
NO CHANGES THIS SHEET. - AM			
SH5400	Sheet	11 OF 12	DWG No. SH5400-NOA
			Rev. E
PRODUCT RENEWED as complying with the Florida Building Code Acceptance No. 25-0520-02 Expiration Date 7/30/30 By: [Signature] Miami Dade Product Control			
<b>ANTHONY LYNN MILLER</b> LICENSE No. 58705 05/12/25 STATE OF FLORIDA PROFESSIONAL ENGINEER A. LYNN MILLER, P.E. P.E.# 58705			





**NOTES:**

- 1) SOME PARTS/OPTIONS NOT SHOWN ON DRAWING FOR CLARITY.
- 2) J-CANNEL FRAME SHOWN, PARTS # 1 & 5. OTHER FRAME TYPES APPLY.
- 3) FOR REINFORCEMENT TYPES, SEE DETAILS ON SHEETS 6 & 7.
- 4) USE EITHER SASH TOP LOCKS OR SASH BOTTOM LOCKS.

**PRODUCT RENEWED**  
 as complying with the Florida  
 Building Code  
 Acceptance No. 25-0520-02  
 Expiration Date 7/30/2030  
 By Anthony L. Chandler  
 Miami Dade Product Control

<b>PGT</b> 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	Title	Date	
SH5400	VINYL SINGLE HUNG WINDOW (NI)	05/15/15	
Desc.	EXPLODED ASSEMBLY	Drawn By	JENS ROSOWSKI
Rev.	NO CHANGES THIS SHEET. - AM	Rev Date	05/12/25
Sheet	12 OF 12	DWG No.	SH5400-NOA
		Rev.	E

