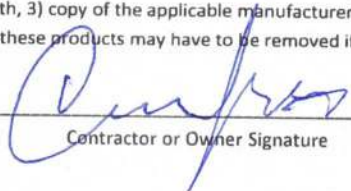


As required by Florida Statute 553.842 and Florida Administrative Code 9B-72, please provide the information and approval numbers on the building components listed below if they will be utilized on the construction project for which you are applying for a building permit. We recommend you contact your local product supplier should you not know the product approval number for any of the applicable listed products. Statewide approved products are listed online @ www.floridabuilding.org

Category/Subcategory	Manufacturer	Product Description	Approval Number(s)
1. EXTERIOR DOORS			
A. SWINGING	PGT	FD-5455 VINYL FRENCH DOOR	331.2
B. SLIDING			
C. SECTIONAL/ROLL UP			
D. OTHER			
2. WINDOWS			
A. SINGLE/DOUBLE HUNG	PGT	SH5400 (NON-IMPACT)	239.1
B. HORIZONTAL SLIDER			
C. CASEMENT			
D. FIXED			
E. MULLION			
F. SKYLIGHTS			
G. OTHER			
3. PANEL WALL			
A. SIDING			
B. SOFFITS			
C. STOREFRONTS			
D. GLASS BLOCK			
E. OTHER			
4. ROOFING PRODUCTS			
A. ASPHALT SHINGLES			
B. NON-STRUCT METAL			
C. ROOFING TILES			
D. SINGLE PLY ROOF			
E. OTHER			
5. STRUCT COMPONENTS			
A. WOOD CONNECTORS			
B. WOOD ANCHORS			
C. TRUSS PLATES			
D. INSULATION FORMS			
E. LINTELS			
F. OTHERS			
6. NEW EXTERIOR ENVELOPE PRODUCTS			

The products listed below did not demonstrate product approval at plan review. I understand that at the time of inspection of these products, the following information must be available to the inspector on the jobsite; 1) copy of the product approval, 2) performance characteristics which the product was tested and certified to comply with, 3) copy of the applicable manufacturers installation requirements.

Further, I understand these products may have to be removed if approval cannot be demonstrated during inspection.


Contractor or Owner Signature

NOTES: _____



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

PGT Industries, Inc.
1070 Technology Drive
North Venice, FL 34275

SCOPE:

This NOA is being issued under the applicable rules and regulations governing the use of construction materials. The documentation submitted has been reviewed and accepted by Miami-Dade County RER - Product Control Section to be used in Miami Dade County and other areas where allowed by the Authority Having Jurisdiction (AHJ).

This NOA shall not be valid after the expiration date stated below. The Miami-Dade County Product Control Section (In Miami-Dade County) and/or the AHJ (in areas other than Miami-Dade County) reserve the right to have this product or material tested for quality assurance purposes. If this product or material fails to perform in the accepted manner, the manufacturer will incur the expense of such testing and the AHJ may immediately revoke, modify, or suspend the use of such product or material within their jurisdiction. RER reserves the right to revoke this acceptance if it is determined by Miami-Dade County Product Control Section that this product or material fails to meet the requirements of the applicable building code.

This product is approved as described herein and has been designed to comply with the Florida Building Code, including the High Velocity Hurricane Zone.

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

APPROVAL DOCUMENT: Drawing No. MD-SH5400-01 Rev D titled "Single Hung Window Installation - NF", 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., 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

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

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

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

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

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

This NOA revises NOA No. 20-0401.04 and consists of this page 1 and evidence pages E-1, E-2, E-3, E-4, and E-5 as well as approval document mentioned above.

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



Ishaq I. Chanda

NOA No. 23-0707.13
Expiration Date: July 30, 2025
Approval Date: July 27, 2023
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 5th 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

Ishaq I. Chanda, P.E.
Product Control Unit Supervisor
NOA No. 23-0707.13
Expiration Date: July 30, 2025
Approval Date: July 27, 2023

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 5th Edition (2014)** and **FBC 6th 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. 23-0707.13
Expiration Date: July 30, 2025
Approval Date: July 27, 2023

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

2. EVIDENCE SUBMITTED under previous approval

A. DRAWINGS

1. Drawing No. **MD-SH5400-01** titled "Single Hung Window Installation - NP", 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 5th Edition (2014)**, dated 05/15/15, 08/29/17 and updated on 03/10/20 to the **FBC 7th 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

Ishaq I. Chanda, P.E.
Product Control Unit Supervisor
NOA No. 23-0707.13
Expiration Date: July 30, 2025
Approval Date: July 27, 2023

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

G. OTHERS

1. Notice of Acceptance No. **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

Ishaq I. Chanda, P.E.
Product Control Unit Supervisor
NOA No. 23-0707.13
Expiration Date: July 30, 2025
Approval Date: July 27, 2023

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

3. NEW EVIDENCE SUBMITTED

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

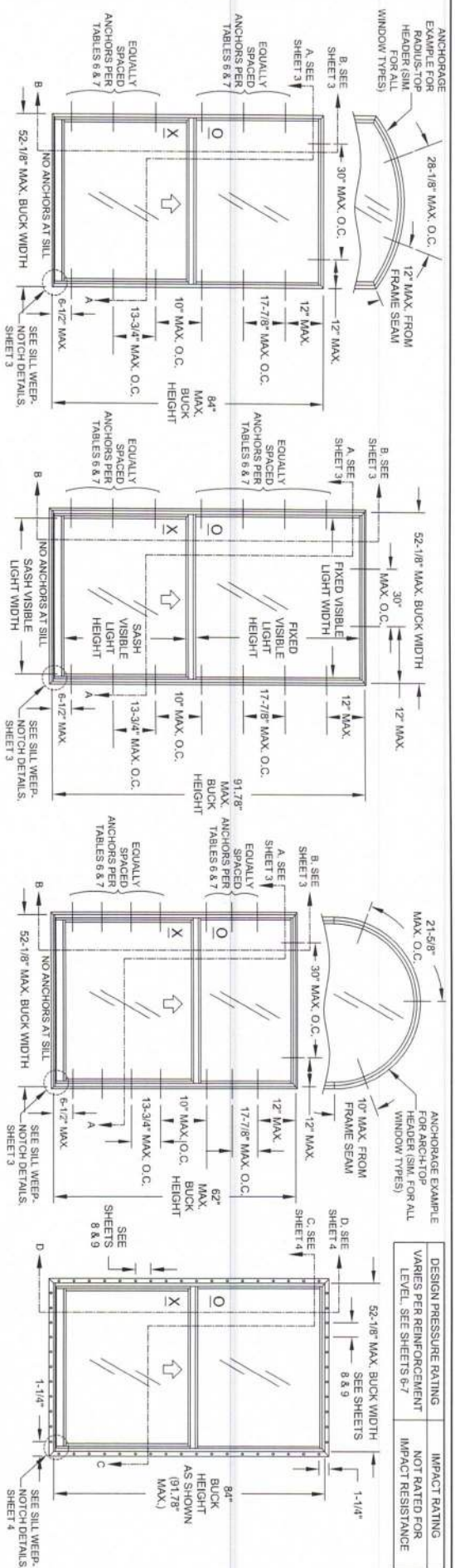
1. Statement letter of conformance, complying with **FBC 7th Edition (2020)** and the **FBC 8th Edition (2023)**, dated 07-05-23, issued by manufacturer, signed and sealed by Anthony Lynn Miller, P.E.
2. Statement letter of conformance, complying with **FBC 6th Edition (2017)** and the **FBC 7th Edition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

G. OTHERS

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

Ishaq I. Chanda

Ishaq I. Chanda, P.E.
Product Control Unit Supervisor
NOA No. 23-0707.13
Expiration Date: July 30, 2025
Approval Date: July 27, 2023



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 MIMAMODE 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 BLOCKS LESS THAN 1-1/2" THICK ARE TO BE CONSIDERED 1X. WOOD BLOCKS ARE OPTIONAL IF UNIT IS INSTALLED DIRECTLY TO SUBSTRATE. WOOD BLOCKS DEPICTED AS 2X ARE 1-1/2" THICK OR GREATER. 1X AND 2X BLOCKS (WHEN USED) SHALL BE DESIGNED AND SECURED TO PROPERLY TRANSFER LOADS TO THE STRUCTURE. WOOD BLOCK DESIGN AND INSTALLATION IS THE RESPONSIBILITY OF THE ENGINEER, (EOR) OR ARCHITECT OF RECORD (AOR).
- 5) ANCHOR EMBEDMENT TO BASE MATERIAL SHALL BE BEYOND WALL DRESSING OR STUCCO. USE ANCHORS OF SUFFICIENT LENGTH TO ACHIEVE REQUIRED MIN. EMBEDMENT. INST. 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.
- 6) IF MAX. SHIMS ARE REQUIRED AT EACH ANCHOR LOCATION WHERE THE PRODUCT IS NOT FLUSH TO THE SUBSTRATE, USE SHIMS CAPABLE OF TRANSFERRING APPLIED LOADS.
- 7) DESIGN PRESSURES:
 - A. NEGATIVE DESIGN LOADS BASED ON STRUCTURAL TESTING AND GLASS PER ASTM E1300.
 - B. POSITIVE DESIGN LOADS BASED ON WATER TEST PRESSURE, STRUCTURAL TESTING AND GLASS PER ASTM E1300.
 - C. DESIGN LOADS ARE BASED ON ALLOWABLE STRESS DESIGN, ASD.
- 8) 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 AND TO BE REVIEWED BY THE AUTHORITY HAVING JURISDICTION.
- 9) METAL SUBSTRATE TO MEET MIN. STRENGTH AND THICKNESS REQUIREMENTS PER CURRENT FLORIDA BUILDING CODE AND TO BE REVIEWED BY THE AUTHORITY HAVING JURISDICTION.
- 10) REFERENCES: TEST REPORTS FTL-7964; ELCO ULTRACON NOA, DEWALT ULTRACON+, ELCODEWALT CRETIFLEX NOA, ELCODEWALT AGGRE-GATOR NOA, VISION EXTRUSION, LTD WHITE & BRONZE/LIGHTER SHADES OF CAP COATED PVC EXTRUSION NOA'S, NATIONAL DESIGN SPECIFICATION FOR WOOD CONSTRUCTION ANSIAF&PA NDS & ALUMINUM DESIGN MANUAL
- 11) APPLICABLE EGRESS REQUIREMENTS TO BE REVIEWED BY BUILDING OFFICIAL.
- 12) FRAME FLANGES OR INTEGRAL FINNS MAY BE TRIMMED IN-FILED TO CREATE AN EQUAL-LEG FRAME.

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 ANCHORS/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 LEGBOX).

PRODUCT REVISED
as complying with the Florida Building Code
NOA No. **23-0707.13**
Expiration Date **07/30/2025**

By *Lynn Miller*
Miami, Date Product Control

PGT
Custom Windows and Doors
1070 TECHNOLOGY DRIVE
N. VENICE, FL 34275
(941) 480-1600

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

REGISTRATION #29296
Date 05/15/15
Rev Date 07/05/23

GENERAL NOTES & ELEVATION
UPDATED TO 2023 BUILDING CODE - 1Y

SH5400 1 OF 12 DWG No. SH5400-NOA

Series Rev Desc Title

SH5400 1 OF 12 DWG No. SH5400-NOA

REVISIONS

Rev Date

Rev

ANTHONY LYNN MILLER
P.E. #58705
FLORIDA
PROFESSIONAL ENGINEER
06/07/05/23

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

- GENERAL NOTES:**
1. ELEVATIONS
 2. FRAME, GLASS & ANCHOR OPTIONS
 3. INSTALLATION, FLANGE & EQUAL LEGBOX
 4. INSTALLATION, INTEGRAL FIN & J-CHANNEL
 5. GLAZING DETAILS
 6. DESIGN PRESSURES
 7. ANCHOR QUANTITIES
 8. ANSIAF&PA NDS-2018 FOR WOOD CONSTRUCTION
 9. ALUMINUM DESIGN MANUAL, ADM-2020
 10. ASCE 360-16
 - 11-12. ASSEMBLY & PARTS LIST
- CODES / STANDARDS USED:**
- 2023 FLORIDA BUILDING CODE (FBC), 8TH EDITION
 - 2020 FLORIDA BUILDING CODE (FBC), 7TH EDITION
 - ASTM E1300-09
 - ANSIAF&PA NDS-2018 FOR WOOD CONSTRUCTION
 - ALUMINUM DESIGN MANUAL, ADM-2020
 - ASCE 360-16
- GENERAL NOTES:**
- GENERAL NOTES: ELEVATIONS WERE SOUTHERN PINE, ASTM C90 CONCRETE MASONRY UNITS AND CONCRETE WITH MIN. KSI PER ANCHOR TYPE. WOOD BLOCKS DEPICTED AS 2X ARE 1-1/2" THICK OR GREATER. 1X AND 2X BLOCKS (WHEN USED) SHALL BE DESIGNED AND SECURED TO PROPERLY TRANSFER LOADS TO THE STRUCTURE. WOOD BLOCK DESIGN AND INSTALLATION IS THE RESPONSIBILITY OF THE ENGINEER, (EOR) OR ARCHITECT OF RECORD (AOR).
- 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.

#239.1

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.)
		Aluminum, 6063-15*	3/8"	0.050"
		P.T. Southern Pine (SG=0.55)	7/16"	1-3/8"
B	#12 SMS (steel, 18-8 S.S. or 410 S.S.)	Ungrouted CMU (ASTM C-90)	1"	1-3/8"
		P.T. Southern Pine (SG=0.55)	9/16"	1-1/4"
		Steel, A36*	3/8"	0.050"
		Steel Stud, A653 Gr. 33*	3/8"	0.0451" (18 Ga.)
		Aluminum, 6063-15*	3/8"	0.053"
C	1/4" steel Ultracon+	P.T. Southern Pine (SG=0.55)	1"	1-3/8"
		P.T. Southern Pine (SG=0.55)	1"	1-3/8"
		Concrete (min. 3 ksi)	1-3/16"	1-3/8"
		Ungrouted CMU (ASTM C-90)	1"	1-1/4"
		Concrete (min. 3.35 ksi)	2-1/2"	1-3/4"
D	1/4" steel Creteflex	Ungrouted CMU (ASTM C-90)	2-1/2"	1-1/4"
		Concrete (min. 3.35 ksi)	2-1/2"	1-3/4"
		Ungrouted CMU (ASTM C-90)	2-1/2"	1-1/4"
		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.
* UNROUTED CMU VALUES MAY BE USED FOR GROUTED CMU APPLICATIONS.

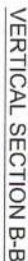
TABLE 3: ALLOWABLE ANCHORS THROUGH THE INTEGRAL FIN

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"
		P.T. Southern Pine (SG= .55)	3/8"	2-7/16"
		P.T. Southern Pine (SG= .55)	1/2"	1-3/8"
		Aluminum, 6063-15*	3/8"	0.050"
		Steel Stud, Gr. 33*	3/8"	0.0451" (18 Ga.)
F	#10 Threaded 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, 6063-15*	3/8"	0.053"
		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
180 Screw	60 ksi	90 ksi
410 Screw	90 ksi	110 ksi
EcoDural Aggra-Gard®	57 ksi	90 ksi
316 Dural Ultron®	171 ksi	164 ksi
1/4 Dural Ultron®	148 ksi	164 ksi
410 SS EcoDural Cateflex®	127.4 ksi	189.7 ksi
6063-T5 Aluminum	16 ksi	22 ksi
A36 Steel	36 ksi	50 ksi
Gr. 33 Steel Stud	33 ksi	45 ksi

INSTALLATION OPTION 3



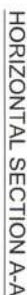
PRODUCT REVISED
as complying with the Florida
Building Code
NOA-No. 23-0707.13
Expiration Date 07/30/2025

By Stacy L. Givens
Miami-Dade Product Control

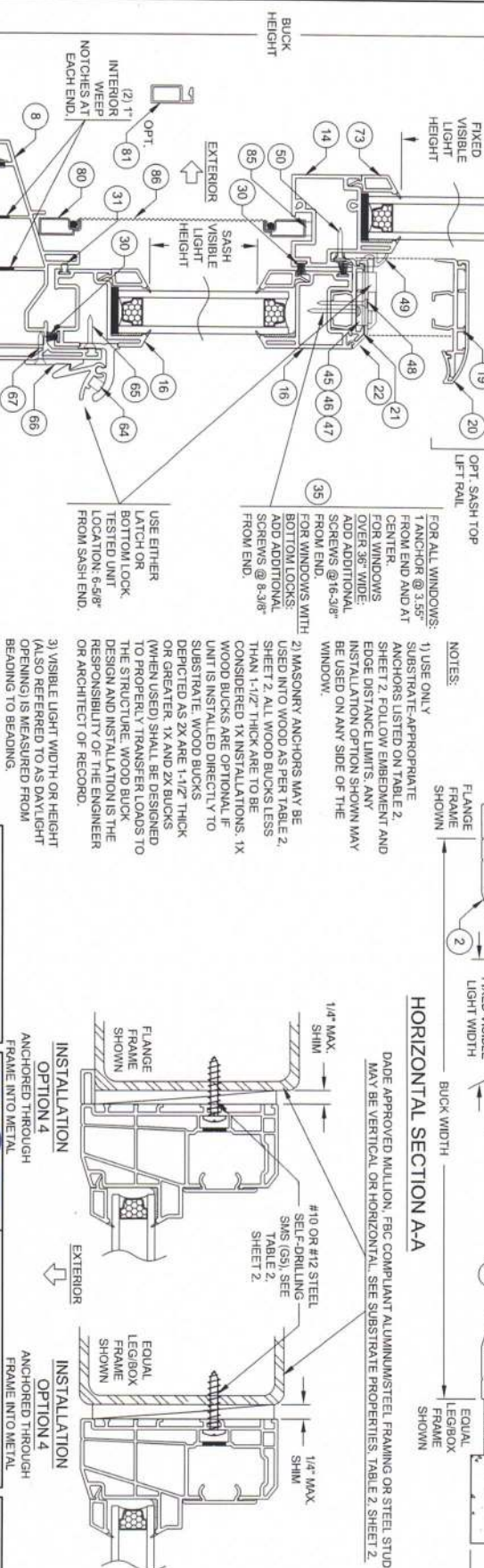
		PREPARED BY A LYNN MILLER 1070 TECHNOLOGY DRIVE N. VENICE, FL 34275	
Custom Windows and Doors 1070 TECHNOLOGY DRIVE N. VENICE, FL 34275 (941) 480-1600		(941) 480-1600	
VINYL SINGLE HUNG WINDOW (N1) FLANGE & EQUAL-LEG FRAMES ANCHOR HEAD TYPE NOTE - LY		REGISTRATION #29256	
Series	Rev	Desc.	Title
SH5400			05/15/15
Sheet	3 OF 12	DWG No.	SH5400-NOA
Rev.		Date	07/05/23
D			

A circular professional engineer seal for the State of Florida. The outer ring contains the text "PROFESSIONAL ENGINEER" at the top and "STATE OF FLORIDA" at the bottom, separated by two stars. Inside the ring, the name "ANTHONY LYNN MILLER" is written in an arc at the top, and "LICENSE" is written in an arc at the bottom, also separated by two stars. In the center of the seal, the license number "No. 56705" is printed, with the expiration date "06/07/05/23" printed below it. A handwritten signature, "A. Lynn Miller", is written across the center of the seal.

A. LYNN MILLER, P.E.
P.E.# 56705



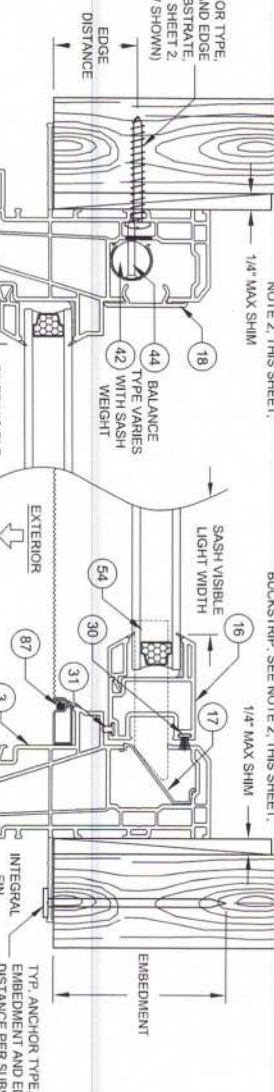
DADE APPROVED MULLION, FBC COMPLIANT ALUMINUM/STEEL FRAMING OR STEEL STUD MAY BE VERTICAL OR HORIZONTAL. SEE SUBSTRATE PROPERTIES, TABLE 2, SHEET 2.



INSTALLATION OPTION 5

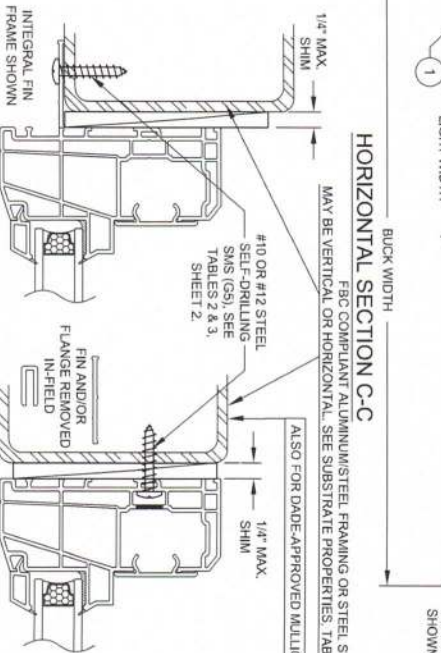
INTO 2X WOOD FRAME OR
SLICKSTRIP. SEE NOTE 3 THIS SUEET

16
17
1/4" MAX SHIM —



HORIZONTAL SECTION C-C

¹BC COMPLIANT ALUMINUM/STEEL FRAMING OR STEEL STUD.
MAY BE VERTICAL OR HORIZONTAL. SEE SUBSTRATE PROPERTIES, TABLES 2 & 3, SHEET 2



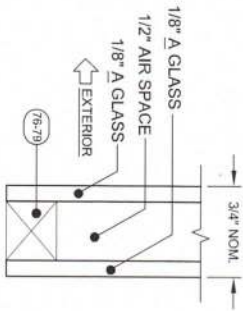
OPTION 7

4) ALL ANCHOR HEAD TYPES ARE ACCEPTABLE.

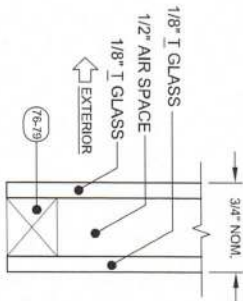
N. VENICE, FL 34277

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

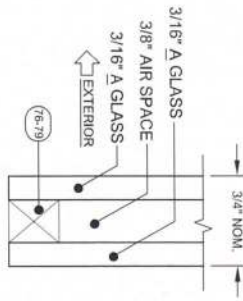
BUCK HEIGHT/2 - 3-15/16"



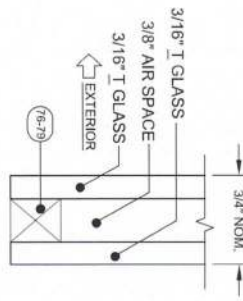
GLASS TYPE 1



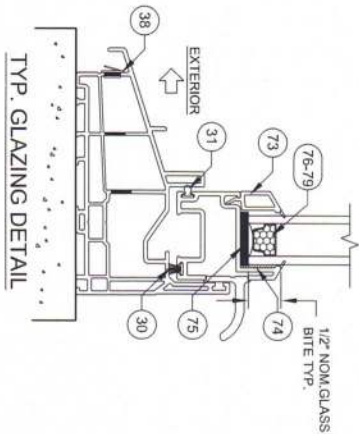
GLASS TYPE 2



GLASS TYPE 3



GLASS TYPE 4



TYP. GLAZING DETAIL

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

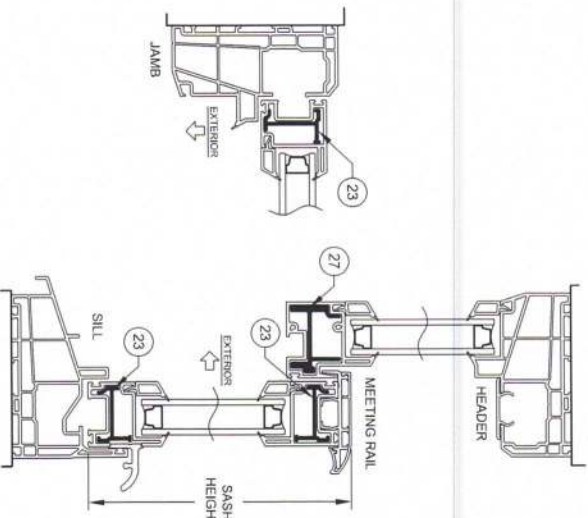
PGT Custom Windows and Doors 1070 TECHNOLOGY DRIVE N. VENICE, FL 34275 (941) 480-1600		PREPARED BY A. LYNN MILLER 1070 TECHNOLOGY DRIVE N. VENICE, FL 34275 (941) 480-1600	
PRODUCT REVISED as complying with the Florida Building Code NOA-No. 23-0707.13 Expiration Date 07/30/2025		REGISTRATION #29296 05/15/15 JENS ROSOWSKI 07/05/23	
By <i>1567 L. Lynn</i> Miami-Grade Product Control	Series SH5400	Rev NO CHANGES THIS SHEET. - LY	Title VINYL SINGLE HUNG WINDOW (NI)
Sheet 5 OF 12	DWG No. SH5400-NOA	Date 07/05/23	Rev D

PROFESSIONAL ENGINEER
 A. LYNN MILLER, P.E.
 No. 58705
 07/05/23
 STATE OF FLORIDA

Glass Types
2-4[illegible]

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)

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



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.

PRODUCT REVISED
as complying with the Florida
Building Code
NOA-No. 23-0707.13
Expiration Date 07/30/2025
By Isang Lee
Miami-Dade Product Control

Series	Rev	Desc.	Title
SH5400		DESIGN PRESSURE TABLE	VINYL SINGLE HUNG WINDOW (IN)
Sheet	7 OF 12	Drawn By	Date
DWG No.		JENS ROSOWSKI	05/15/15
SH5400-NOA		Rev Date	
Rev	D	07/05/23	

TABLE 6:

[illegible]

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

Anchor Group E	Anchor Group F
3 in.	4 in.

NOTES:

- 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 REVISED
as complying with the Florida
Building Code
NOA-No. **23-0707.13**
Expiration Date **07/30/2025**
By *Ising / Chan*
Miami-Dade Product Control

		PREPARED BY A LYNN MILLER 1070 TECHNOLOGY DRIVE N. VENICE, FL 34275	
Custom Windows and Doors 1070 TECHNOLOGY DRIVE N. VENICE, FL 34275 (941) 480-1600		(941) 480-1600 REGISTRATION #25296	
Series	Rev	Desc.	Title
		ANCHOR QUANTITY TABLE	VINYL SINGLE HUNG WINDOW (N1)
			Date
		Drawn By	05/15/15
		JENS ROSOWSKI	
		Rev Date	
		07/05/23	
Sheet		Rev	
8 OF 12		D	
DWG No.			
SH5400-NDA			

A circular professional engineer seal for Anthony Lynn Miller. The outer ring contains the text "ANTHONY LYNN MILLER" at the top and "PROFESSIONAL ENGINEER" at the bottom, separated by two stars. Inside the ring, the word "LICENSE" is at the top and "STATE OF FLORIDA" is at the bottom. The center of the seal contains the text "No. 58705" and "607/05/23". A handwritten signature "Anthony Lynn Miller" is written across the center.

TABLE 7.

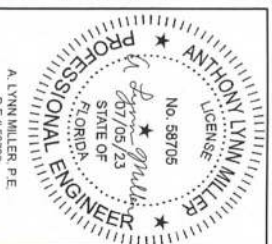
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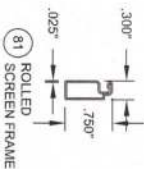
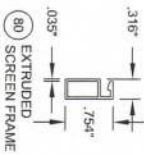
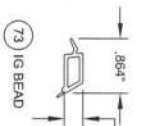
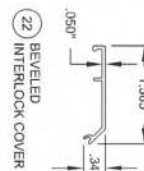
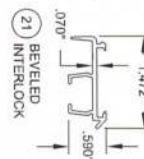
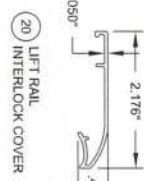
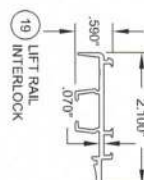
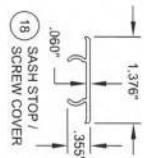
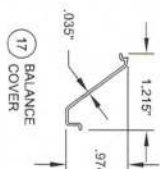
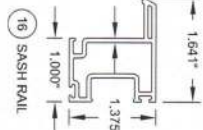
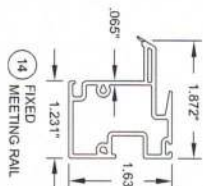
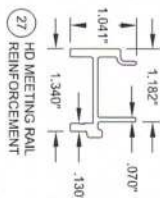
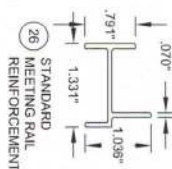
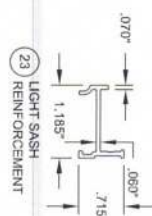
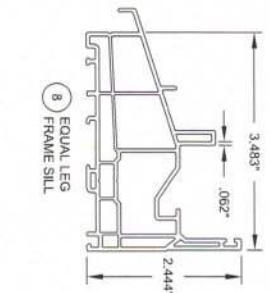
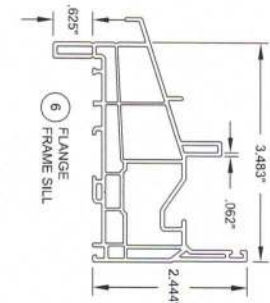
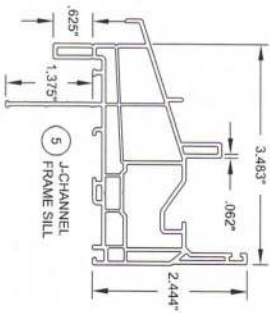
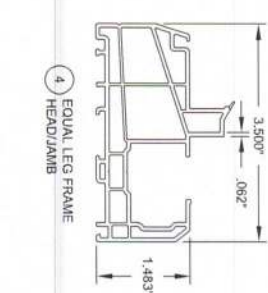
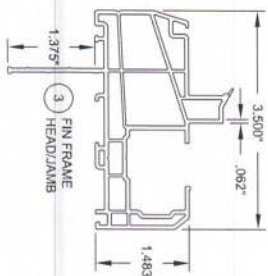
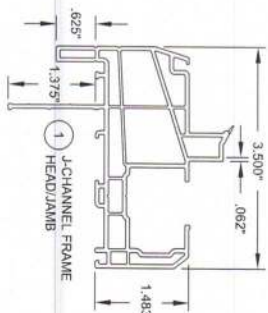
SEE TABLE 5, SHEET 7 FOR DESIGN PRESSURES WHEN
** MIN. SASH HEIGHT = WINDOW BUCK HEIGHT - 50.136
(APPLIES TO ANY HEIGHT 91.78" OR LESS)

NOTES:

- 1) USE THE ABOVE 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. "WRT" = MEETING RAIL.
 - 4) FOR SIZES NOT SHOWN, ROUND UP TO THE NEXT AVAILABLE WIDTH OR HEIGHT DIMENSION SHOWN ON THE TABLE.
- REFER TO TABLES 2 & 3, SHEET 2 FOR ANCHOR GROUP DESCRIPTIONS.

PGT		PREPARED BY A. LYNN MILLER 1070 TECHNOLOGY DRIVE N. VENICE, FL 34275	
Custom Windows and Doors 1070 TECHNOLOGY DRIVE N. VENICE, FL 34275 (941) 480-1600		(941) 480-1600	
REGISTRATION #29256			
VINYL SINGLE HUNG WINDOW (N)		Date	
		05/15/15	
ANCHOR QUANTITY TABLE		Drawn By	
		JENS ROSOWSKI	
NO CHANGES THIS SHEET. - LY		Rev Date	
		07/05/23	
Series	Rev	Desc.	Title
SH5400			
Sheet	9 OF 12	Dwg No	
			SH5400-NOA
			D





PRODUCT REVISED
 Approved with the Florida
 Building Code
 NOA-No. 23-0707.13
 Expiration Date 07/30/2025

Series	Rev	Desc.	Title
SH5400	10 OF 12	DWG NO.	SH5400-NOA
Sheet	10 OF 12	DWG NO.	SH5400-NOA
Rev	07/05/23	Rev Date	07/05/23
Rev	07/05/23	Rev Date	07/05/23

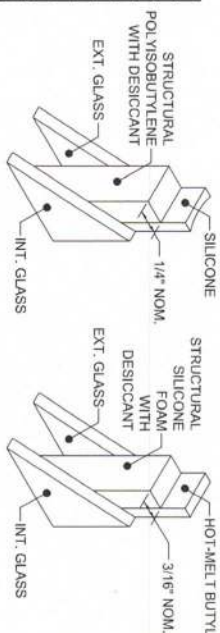
Prepared by A. LYNN MILLER
 1070 TECHNOLOGY DRIVE
 N. VENICE, FL 34275
 REGISTRATION #22256
 No. 58705
 07/05/23
 STATE OF FLORIDA
 PROFESSIONAL ENGINEER
 A. LYNN MILLER, P.E.
 P.E.# 58705

TABLE 8:

Bill of Material		
#	Part #	Description
1	620101	Single Hung Frame Head & Jambs - J-Channel
2	620102	Single Hung Frame Head & Jambs - Flange
3	620103	Single Hung Frame Head & Jambs - Fin
4	620104	Single Hung Frame Head & Jambs - Equal Leg Box
5	620105	SHDH Frame Sill - J-Channel
6	620106	SHDH Frame Sill - Flange
7	620107	SHDH Frame Sill - Fin
8	620108	SHDH Frame Sill - Equal Leg Box
14	620131	Fixed Meeting Rail
16	620129	Sash Rail (Sides, Top & Bottom)
17	620134	Balance Cover
18	620133	Sash Stop/Screw Cover
19	620156	Pull Rail Interlock
20	620144	Pull Rail Interlock Cover
21	620157	Beveled Interlock
22	620145	Beveled Interlock Cover
23	620150	Light Sash Reinforcement
26	620153	Standard Meeting Rail Reinforcement
27	620154	HD Meeting Rail Reinforcement
30	61644	Weatherstripping, .187" x .220" Poly/Pile
31	60300	Weatherstripping, .190" x .300" Foam Bulb
32	61719	Weatherstripping, .187" x .220" Poly/Pile
33	61825	Weatherstripping Plug, .220" Finseal
35	78XMTTT	#8 x 1" Ph. PH SDS (Interlock Mounting Screw)
36	78XTHPX	#8 x 3" Ph. PH SMS (Meeting Rail Screw)
37	71669SP	Meeting Rail Screw Support Plate
38	720210	Weep Hole Cover
40	720XXXX	Constant Force Balance
41		#8 x 3/4" Ph. FH SMS (Con. Force Balance Screw)
42		Spiral Balance
43	720205	Spiral Balance Shoe
44	78X14FPAX	#8 x 1-1/4" Ph. FH SMS (Spiral Balance Screw)

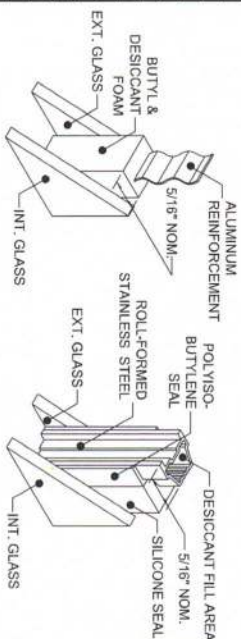
TABLE 8, CONT:

Bill of Material, cont.		
#	Part #	Description
45	720197	Auto Lock Mechanism
46	720198&9	Sweep Lock
47	720195&6	Auto Lock Cover Assembly
48	76X180PTX	#6 x 1-1/8" Ph. FH SDS (Auto and Sweep Lock Screw)
49	720200	Auto and Sweep Lock Keeper
50	76X34PPA	#6 x 3/4" Ph. PH SDS (Keeper Screw)
51	420181 L/R	Beveled Tilt Latch Corner Key
52	420182 L/R	Pull Rail Tilt Latch Corner Key
53	76X34PHFL	#6 x 3/4" Ph. FH SDS (Corner Key Screw)
54	420183	Tilt Latch
55	420184	Tilt Latch Retainer
56	720207	1" Tilt Latch Spring
57	420186	Plastic Tilt Latch Finger Pull
58	720192	Metal Tilt Latch Finger Pull
59	420180	Pivot Bar Corner Key
60	720206	Pivot Bar
63	720191	Sash Pull Handle
64	720194	Sash Pull Handle With Latch Assembly
65	78X4FPT	#8 x 3/4" Ph. FH SDS (Pull Handle Screw)
66	420188	Bottom Latch Strike Plate
67	78X68B	#8 x 5/8" Ph. FH SMS (Strike Plate Screw)
73	720136	I.G. Bead
74		Backbeading, GE 7700 or Dow 791 or Dow 983
75	71646N	Sealing Block (7/8" x 1" x 1/8", 85 +/- .5 duro.
80	61012	Extruded Screen Frame
81	61011	Roll-Formed Screen Frame
82	70XGLB21	Screen Corner Key for Extruded Frame
83	47042	Screen Corner Key with Pull Ring
84	47041	Screen Corner Key without Pull Ring
85	70XSPM	Tension Spring
86	61816C48	Screen Cloth
87	6163561614	140" Screen Spline (Machine/Hand Rolled)



⑦ KODISPACE
4SG TPS

⑦ SUPER
SPACER® NXT™



⑦ DURASEAL®
SPACER

⑦ XL EDGE™
SPACER

Part #	Description	Material
76	Komerling 4SG TPS Spacer System	
77	Quanex Super Spacer nXT with Hot Melt Butyl	See this Sheet for Materials
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 # 5-13, 15, 24, 25, 28, 29, 34, 36, 61, 62, & 68-72 ARE NOT USED AND ARE NOT PART OF THIS APPROVAL.

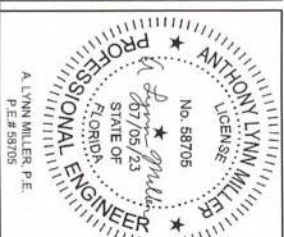
PRODUCT REVISED
as complying with the Florida Building Code
NOA-No. **23-0707.13**
Expiration Date **07/30/2025**
By **15671/EL**
Miami, Date Product Control

PGT
Custom Windows and Doors
1070 TECHNOLOGY DRIVE
N. VENICE, FL 34275
(941) 480-1600

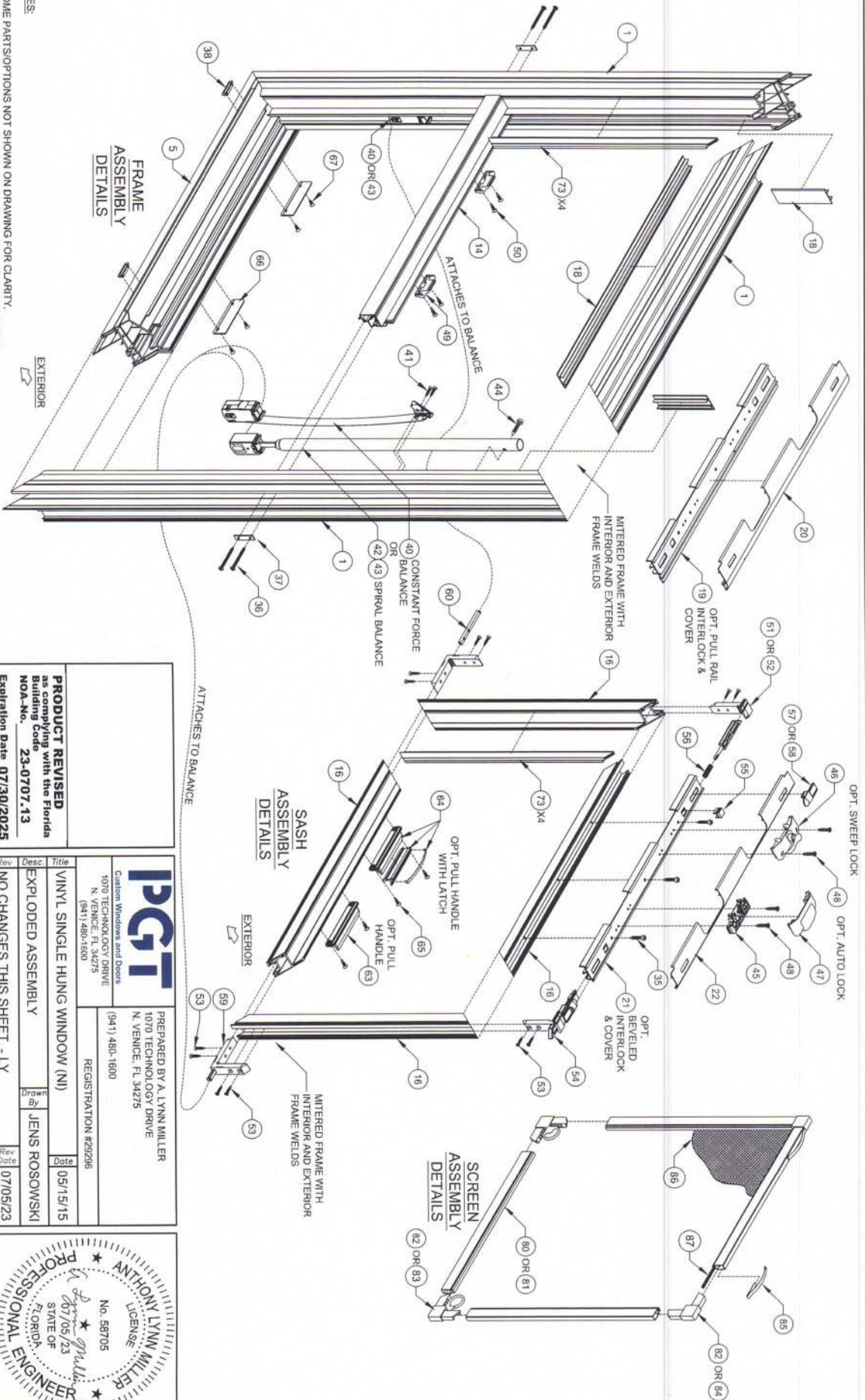
REGISTRATION #25296
Date 05/15/15
Rev Date 07/05/23

PREPARED BY A. LYNN MILLER
N. VENICE, FL 34275

VINYL SINGLE HUNG WINDOW (NI)
BILL OF MATERIALS (BOM)
CHANGED EXTRUDER TO VISION - LV
SH5400
11 OF 12
DWG No. SH5400-NOA
Rev. D



- NOTES:
- 1) SOME PARTS/OPTIONS NOT SHOWN ON DRAWING FOR CLARITY.
 - 2) JOINT/CHANNEL 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.



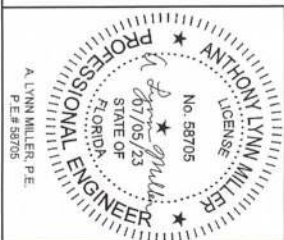
PRODUCT REVISED
as complying with the Florida
Building Code
NOA-No. 23-0707.13
Expiration Date 07/30/2025

By *16 May 1, 2025*
Miami-Trade Product Control

Series	Rev	Desc	Title
SH5400	Sheet	12 OF 12	NO CHANGES THIS SHEET - LY
SH5400-NOA	Rev	D	07/05/23

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

VINYL SINGLE HUNG WINDOW (NI)	REGISTRATION #23296
EXPLODED ASSEMBLY	DATE 05/15/15
JENS ROSOWSKI	DATE 07/05/23



SERIES FD5455, NON-IMPACT-RESISTANT, VINYL, REINFORCED, OUTSWING
FRENCH DOOR & SIDELITE/TRANSOM (SL/TR)

FLORIDA PRODUCT APPROVAL #331

IMPACT RATING
NOT RATED FOR IMPACT
RESISTANCE

DESIGN PRESSURE RATING
VARIES, SEE SHEETS 4 & 5

TABLE 1:

Group	Anchor	Substrate	Min. Edge Distance	Min. Embedment
A	3/16" Ultracon+	Concrete (min. 3 ksi)	1-1/8"	1-3/4"
		Ungrouted CMU (ASTM C-90)	1"	1-1/4"
		P.T. Southern Pine (SG=0.55)	1/2"	1-3/8"
B	3/16" Ultracon+	Aluminum, 6063-T5	5/16"	0.063"
		Steel, A36*	5/16"	0.063"
		Steel Stud, A653 Gr. 33*	5/16"	0.063"
C	1/4" Ultracon+	P.T. Southern Pine (SG=0.55)	1/2"	1-3/8"
		Ungrouted CMU (ASTM C-90)	2-1/2"	1-1/4"
		Concrete (min. 3 ksi)	1-1/8"	1-3/4"
D	1/4" Ultracon+	Ungrouted CMU (ASTM C-90)	1-1/4"	1-3/4"
		Concrete (min. 3 ksi)	1-1/4"	1-3/4"
		Ungrouted CMU (ASTM C-90)	1-1/4"	1-3/4"

- 1) THIS PRODUCT HAS BEEN DESIGNED & TESTED TO COMPLY WITH THE REQUIREMENTS OF THE FLORIDA BUILDING CODE.
- 2) SHUTTERS ARE REQUIRED WHEN USED IN WIND-BORNE DEBRIS REGIONS.
- 3) MATERIALS USED FOR ANCHOR EVALUATIONS WERE SOUTHERN PINE, ASTM C90 CONCRETE MASONRY UNITS AND CONCRETE WITH MIN. KSI PER ANCHOR TYPE.
- 4) MASONRY ANCHORS MAY BE USED INTO WOOD AS PER TABLE 1, 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.
- 5) IF SILL IS TIGHT TO SUBSTRATE, GROUT IS NOT REQUIRED. IF USED, NON-SHRINK, NON-METALLIC GROUT, 3400 PSI MIN. (GONE BY OTHERS), MAX. 1/4" SHIM SPACE FOR GROUT MUST FULLY SUPPORT THE ENTIRE LENGTH OF THE SILL THAT IS NOT TIGHT TO THE SUBSTRATE. AND TRANSFER SHEAR LOAD TO SUBSTRATE. IF SUBSTRATE IS WOOD, 30# FELT PAPER OR MASTIC IS REQUIRED BETWEEN THE GROUT AND WOOD SUBSTRATE, OR AS APPROVED BY THE AUTHORITY HAVING JURISDICTION, COMPLYING WITH THE FBC.
- 6) ANCHOR EMBEDMENT TO BASE MATERIAL SHALL BE BEYOND WALL DRESSING OR STUCCO. USE ANCHORS OF SUFFICIENT LENGTH TO ACHIEVE THE EMBEDMENT SHOWN ON TABLE 1. THIS SHEET. NARROW JOINT SEALANT IS USED ON ALL FOUR CORNERS OF THE FRAME. EXTERIOR 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.
- 7) SHIMS ARE REQUIRED AT EACH ANCHOR LOCATION WHERE THE PRODUCT IS NOT FLUSH TO THE SUBSTRATE. USE SHIMS CAPABLE OF TRANSFERRING APPLIED LOADS. WOOD BUCKS, BY OTHERS, MUST BE SUFFICIENTLY ANCHORED TO RESIST LOADS IMPOSED ON THEM BY THE DOOR, SIDELITE OR TRANSOM.
- 8) DESIGN PRESSURES:
 - A. NEGATIVE DESIGN LOADS BASED ON STRUCTURAL TEST PRESSURE, FRAME ANALYSIS AND GLASS PER ASTM E1300.
 - B. POSITIVE DESIGN LOADS BASED ON WATER TEST PRESSURE, STRUCTURAL TEST PRESSURE, FRAME ANALYSIS AND GLASS PER ASTM E1300.
- 9) THE ANCHORAGE METHODS SHOWN HAVE BEEN DESIGNED TO RESIST THE WIND LOADS 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.
- 10) ALL RIGID AND CELLULAR PVC MANUFACTURED BY ENERGY RESTORATION SOLUTIONS, USA, INC. OR VISION EXTRUSION, LTD. HAS BEEN TESTED TO COMPLY WITH THE FLORIDA BUILDING CODE FOR PLASTICS.
- 11) SIZES MUST BE VERIFIED FOR COMPLIANCE WITH EGRESS REQUIREMENTS PER THE FLORIDA BUILDING CODE.
- 12) REFERENCES: TEST REPORTS FTL-7401, 7416 & 7417.

TABLE 2:

Glass Type	Description
1	7/8" LG (3/16" TP Cap - Airspace - 1/8" TP)
2	7/8" LG (3/16" TP Cap - Airspace - 3/16" TP)
3	1-3/16" LG (1/8" TP Cap - Airspace - 1/8" AN - .090" PVB - 1/8" AN)
4	1-3/16" LG (3/16" TP Cap - Airspace - 1/8" AN - .090" PVB - 1/8" AN)
5	1-3/16" LG (1/8" TP Cap - Airspace - 3/16" AN - .090" PVB - 3/16" AN)

PVB = KURARAY TROISIFOL PVB INTERLAYER BY KURARAY AMERICA, INC.
AN = ANNEALED
TP = TEMPERED

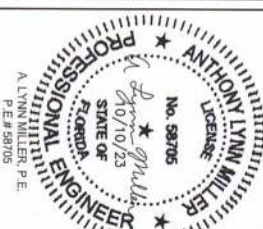
TABLE A:

Product	Size	DP	Product Rating
Mullion	96"	+/-70 psf	DP +/-70
Door	36-3/4" x 96" (X) 76" x 96" (XX)	+/-70 psf	R-PG70
Sidelite or Transom	40" x 111" 111" x 40"	+/-70 psf	R-PG70

- 1) * MIN. OF 3 THREADS BEYOND THE METAL SUBSTRATE.
- 2) UNROUTED CMU VALUES MAY BE USED FOR GROUTED CMU APPLICATIONS.
- 3) ALL ANCHOR HEAD TYPES ARE ACCEPTABLE.

GUIDE TO SHEETS:

GENERAL NOTES.....	1
ELEVATIONS.....	2
GLAZING DETAILS.....	3
DESIGN PRESSURES.....	4-5
ANCHORAGE.....	6-8
INSTALLATION.....	9
EXTRUSION PROFILES.....	10
PARTS LIST.....	11
CORNER DETAILS.....	12
HARDWARE DETAILS.....	13



PGT Custom Windows and Doors
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REGISTRATION #29296

VINYL FRENCH DOOR (NI)

GENERAL NOTES.

FD5455 1 OF 11 FD5455FPA-NI

06/12/11

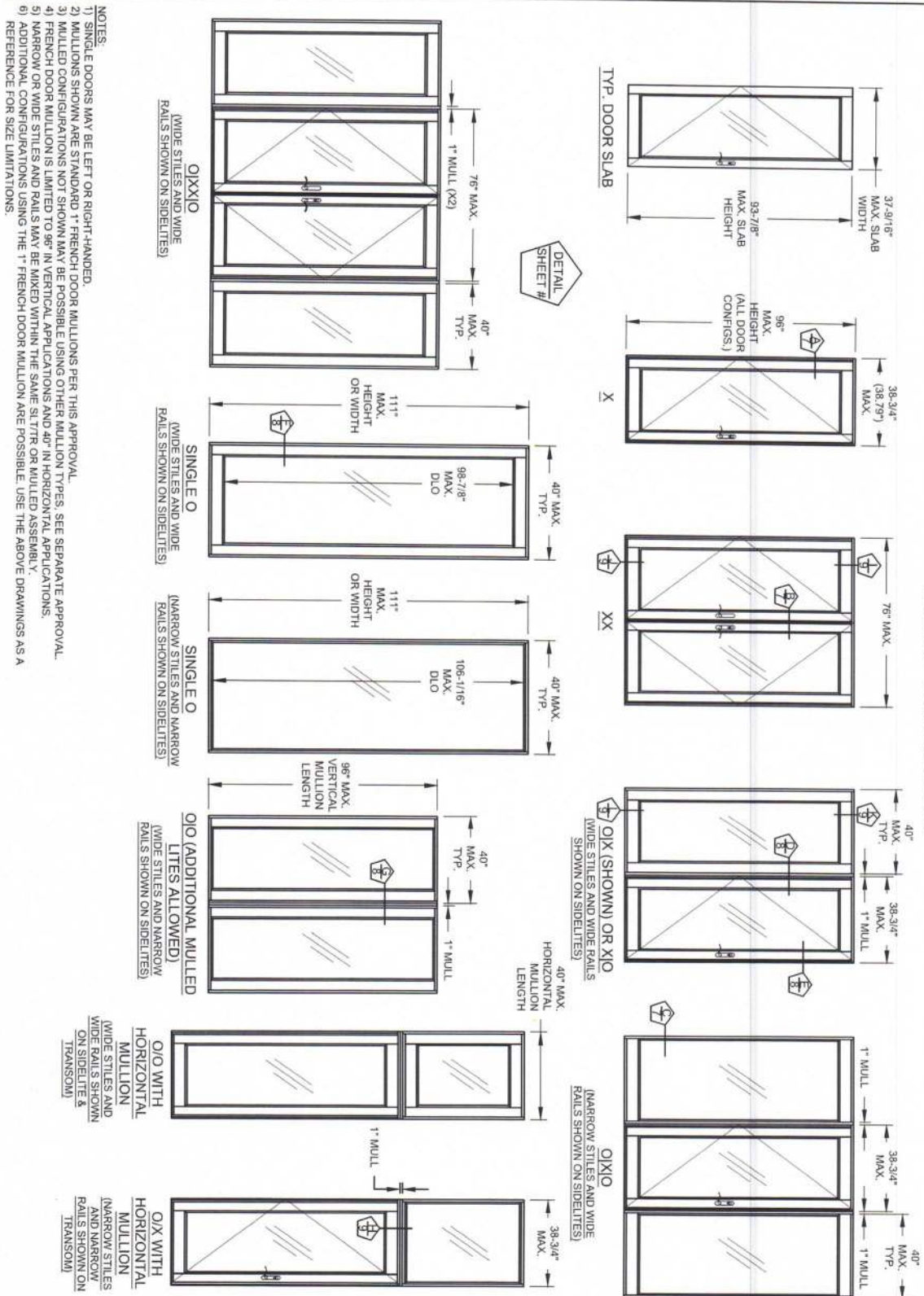
A. MORLESIN

Revision:

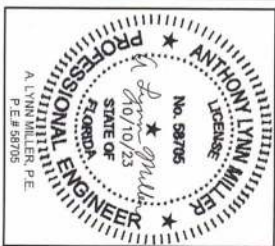
E) REMOVE 1/4" & 3/16"

ULTRACON

EXAMPLE CONFIGURATIONS

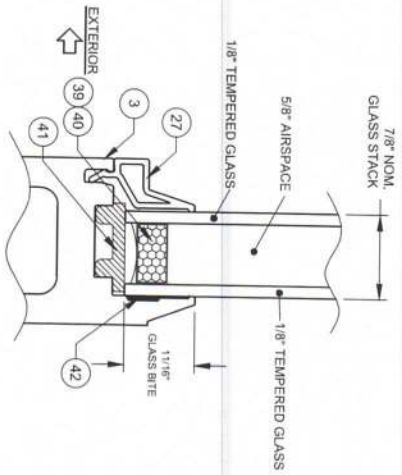


- NOTES:**
- 1) SINGLE DOORS MAY BE LEFT OR RIGHT-HANDED.
 - 2) MULLIONS SHOWN ARE STANDARD 1" FRENCH DOOR MULLIONS PER THIS APPROVAL.
 - 3) MULLION CONFIGURATIONS NOT SHOWN MAY BE POSSIBLE USING OTHER MULLION TYPES. SEE SEPARATE APPROVAL.
 - 4) FRENCH DOOR MULLIONS IS LIMITED TO 96" IN VERTICAL APPLICATIONS AND 40" IN HORIZONTAL APPLICATIONS.
 - 5) NARROW OR WIDE STILES AND RAILS MAY BE MIXED WITHIN THE SAME SLIT OR MULLED ASSEMBLY.
 - 6) ADDITIONAL CONFIGURATIONS USING THE 1" FRENCH DOOR MULLION ARE POSSIBLE. USE THE ABOVE DRAWINGS AS A REFERENCE FOR SIZE LIMITATIONS.

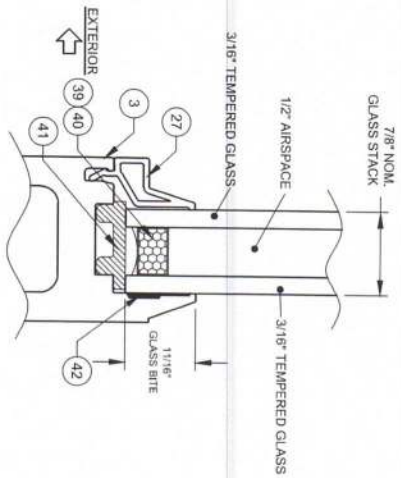


PGT Custom Windows and Doors 1070 TECHNOLOGY DRIVE N. VENICE, FL 34275 (941) 480-1600		PREPARED BY A. LYNN MILLER 1070 TECHNOLOGY DRIVE N. VENICE, FL 34275 (941) 480-1600	
REGISTRATION #29296		DATE 06/12/11	
VINYL FRENCH DOOR (NI)		DRAWN BY A. MORLESIN	
FD5455	2 OF 11	FD5455FPA-NI	E

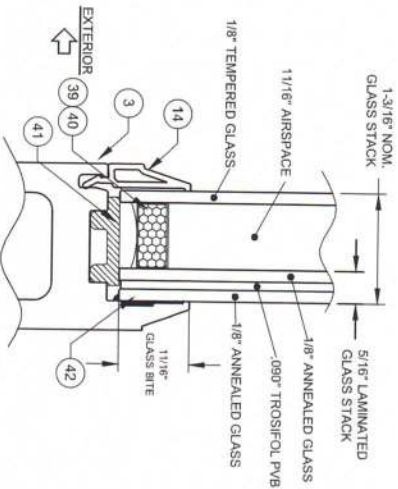
Revision: E) NO CHANGES IN THIS SHEET.	SHEET 2 OF 11	DATE 06/12/11
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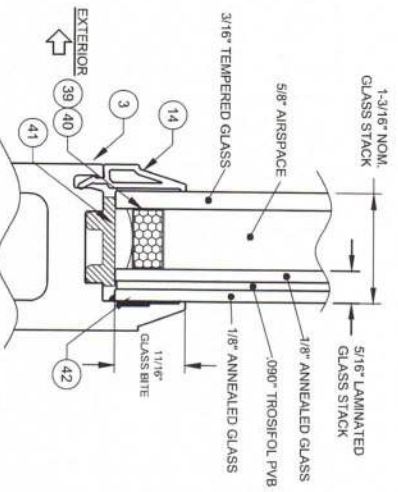
GLASS TYPE 1
USED IN DOOR,
SIDE/LITE, TRANSOM



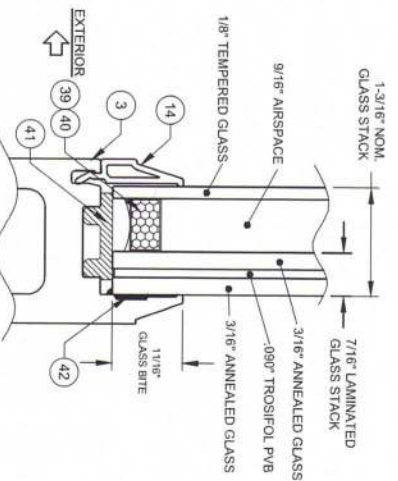
GLASS TYPE 2
USED IN DOOR,
SIDE/LITE, TRANSOM



GLASS TYPE 3
USED IN DOOR



GLASS TYPE 4
USED IN DOOR



GLASS TYPE 5
USED IN SIDE/LITE, TRANSOM
MAX. 28 FRAME SQ. FT.

Revision:
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VINYL FRENCH DOOR (NI)

GLASS TYPES.

FD5455

3 OF 11

FD5455FPA-NI

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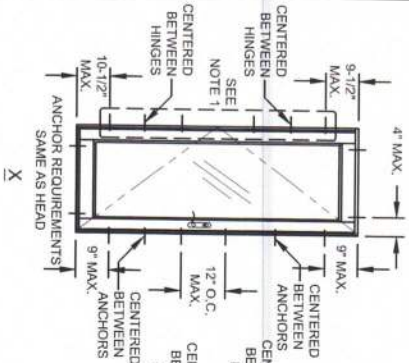
A. MORLESIN

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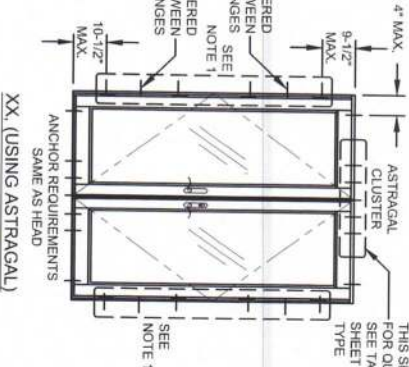
SINGLE DOOR INSTALLATION

(X)



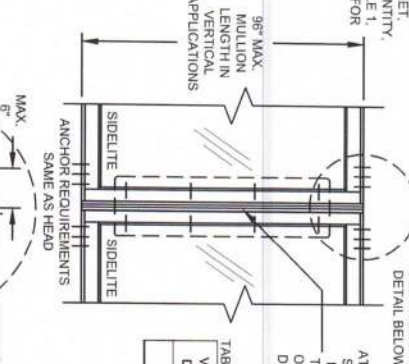
DOUBLE DOOR INSTALLATION

(XX)



SIDE-LITE-TO-SIDE-LITE MULLION INSTALLATION

(OIO, OIOO, ETC.)



SIDE-LITE-TO-DOOR MULLION INSTALLATION

(XIO, OIX, XIX, OIXO, XIXO, OIXXIO, ETC.)

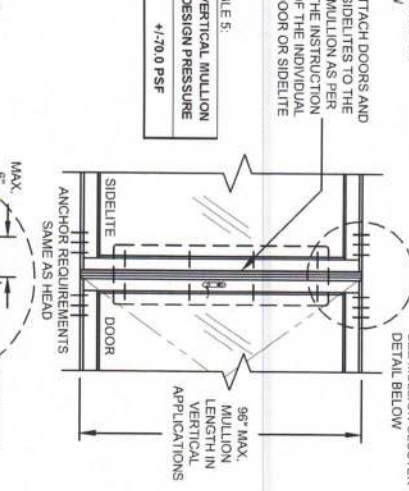


TABLE 3:

DOOR DESIGN PRESSURE	Glass Types 1, 3, 4	Glass Type 2
+/-50.0 PSF		
+/-70.0 PSF		

TABLE 4:

XX Door: Astragal Cluster Anchors Required @ Head & Sill	Door Width (in)	Door Height (in)
Anchor Group A-D	48	80
Anchor Group A&B	60	80
Anchor Group C&D	72	80
Anchor Group A&B	84	80
Anchor Group C&D	96	80
Anchor Group A&B	108	80
Anchor Group C	120	80
Anchor Group D	132	80

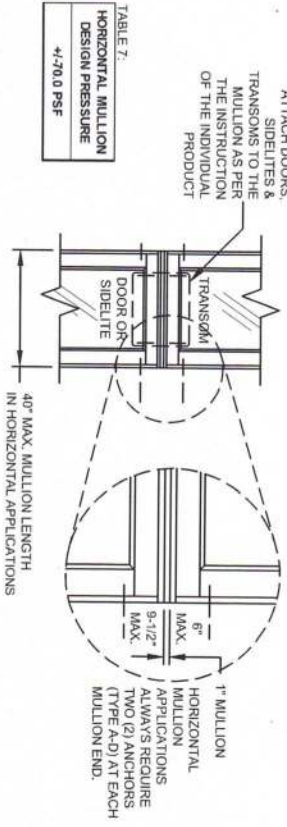
TABLE 5:

VERTICAL MULLION DESIGN PRESSURE
+/-70.0 PSF

TABLE 6:

Anchors Required for a Vertical Mullion (each mullion end)	
Door or Side Lite Width (in)	Door or Side Lite Height (in)
12	24
32	32
36	36
40	40
44	44
48	48
52	52
56	56
60	60
64	64
68	68
72	72
76	76
80	80
84	84
88	88
92	92
96	96
100	100
104	104
108	108
112	112
116	116
120	120
124	124
128	128
132	132
136	136
140	140
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668	668
672	672
676	676
680	680
684	684
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692	692
696	696
700	700
704	704
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712	712
716	716
720	720
724	724
728	728
732	732
736	736
740	740
744	744
748	748
752	752
756	756
760	760
764	764
768	768
772	772
776	776
780	780
784	784
788	788
792	792
796	796
800	800
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808	808
812	812
816	816
820	820
824	824
828	828
832	832
836	836
840	840
844	844
848	848
852	852
856	856
860	860
864	864
868	868
872	872
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880	880
884	884
888	888
892	892
896	896
900	900
904	904
908	908
912	912
916	916
920	920
924	924
928	928
932	932
936	936
940	940
944	944
948	948
952	952
956	956
960	960
964	964
968	968
972	972
976	976
980	980
984	984
988	988
992	992
996	996
1000	1000

TRANSOM-TO-DOOR (XO) OR TRANSOM-TO-SIDE-LITE (OIO) MULLION ATTACHMENT & INSTALLATION



- INSTRUCTIONS:
- 1) DOOR HINGE JAMBS OF ALL HEIGHTS TO ALWAYS BE ANCHORED WITH SIX ANCHORS. SEE TABLE 1, SHEET 1, FOR ALL APPROVED ANCHORS. FOUR OF THE SIX ANCHORS MUST BE INSTALLED THROUGH THE HINGES, ONE AT EACH HINGE LOCATION (RECOMMENDED #10 FLATHEAD SCWS OR 3/16" FLATHEAD ULTRACON FOR EACH HINGE ANCHOR).
 - 2) FOR A MULLED UNIT, DETERMINE THE DESIGN PRESSURE OF EACH COMPONENT IN THAT CONFIGURATION. FOR EXAMPLE, ON AN "XIO" CONFIGURATION, THE DP FOR THE DOOR, THE MULLION AND THE SIDE-LITE MUST EACH BE DETERMINED. THE LOWEST DP APPLIES TO THE ENTIRE ASSEMBLY.

- NOTES:
- 1) SINGLE DOOR MAY BE LEFT OR RIGHT-HANDED.
 - 2) MULLIONS SHOWN ARE STANDARD 1" FRENCH DOOR MULLIONS.
 - 3) MULLION CONFIGURATIONS NOT SHOWN MAY BE POSSIBLE USING OTHER MULLION TYPES. SEE SEPARATE APPROVAL. THE LOWEST COMPONENT DP IS TO BE THE OVERALL ASSEMBLY DP.
 - 4) FRENCH DOOR MULLION IS LIMITED TO 96" IN VERTICAL APPLICATIONS AND 40" IN HORIZONTAL APPLICATIONS.
 - 5) NARROW OR WIDE STILES AND RAILS MAY BE MIXED WITHIN THE SAME SIDE-LITE/TRANSOM OR MULLED ASSEMBLY.
 - 6) FOR SIZES NOT SHOWN, ROUND UP TO THE NEXT AVAILABLE SHORT OR LONG DIMENSION.



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REGISTRATION #29296

VINYL FRENCH DOOR (NI)

DP & ANCHORAGE

FD5455

4 OF 11

FD5455FPA-NI

06/12/11

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Revision:

[E] NO CHANGES IN THIS SHEET.

SIDELITE/TRANSOM INSTALLATION (C)

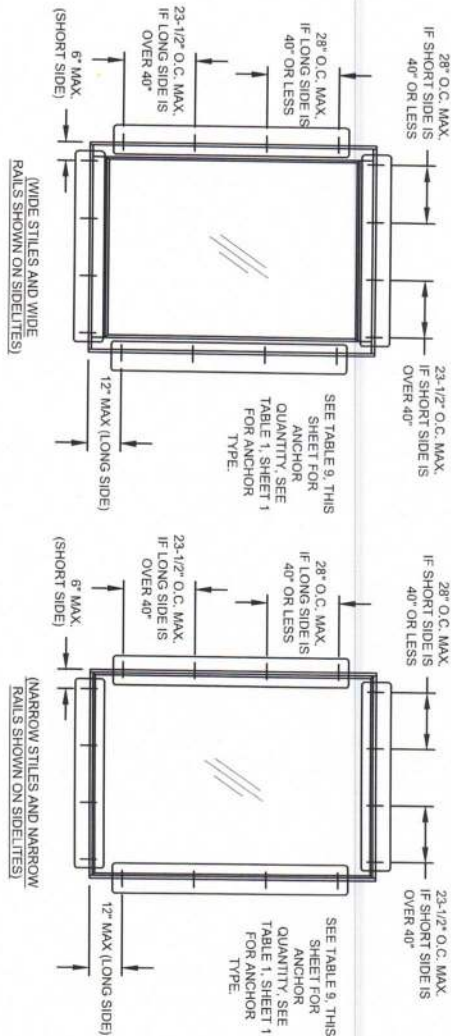


TABLE 8:
WINDOW DESIGN PRESSURE
4/20.0 PSF (Glass Types 1, 2, 5)
NOTE: GLASS TYPE 5 LIMITED TO MAX. OF 28 SQ. FT.

- NOTES:
- 1) NARROW OR WIDE STILES AND RAILS MAY BE MIXED WITHIN THE SAME SIDELITE/TRANSOM OR STAND-ALONE UNIT.
 - 2) SIDELITE/TRANSOM MAY BE A SINGLE.
 - 3) FOR SIZES NOT SHOWN, ROUND UP TO THE NEXT AVAILABLE SHORT OR LONG DIMENSION.

TABLE 9:

		Sidelite/Transom Anchor Quantity															
		63-3/16		66-5/8		68		70		72		76		78		82	
		Long Side (in)		Long Side (in)		Long Side (in)		Long Side (in)		Long Side (in)		Long Side (in)		Long Side (in)		Long Side (in)	
Short Side (in)	Anchor Group	Anchor Group A		Anchor Groups B-D		Anchor Group A		Anchor Groups B-D		Anchor Group A		Anchor Groups B-D		Anchor Group A		Anchor Groups B-D	
		Short Side	Long Side	Short Side	Long Side	Short Side	Long Side	Short Side	Long Side	Short Side	Long Side	Short Side	Long Side	Short Side	Long Side	Short Side	Long Side
24	Short Side	2	4	2	4	2	4	2	4	2	4	2	4	2	4	2	4
28	Short Side	2	4	2	4	2	4	2	4	2	4	2	4	2	4	2	4
32	Short Side	2	4	2	4	2	4	2	4	2	4	2	4	2	4	2	4
36	Short Side	2	4	2	4	2	4	2	4	2	4	2	4	2	4	2	4
38-3/4	Short Side	2	4	2	4	2	4	2	4	2	4	2	4	2	4	2	4
40	Short Side	2	4	2	4	2	4	2	4	2	4	2	4	2	4	2	4
	Long Side	2	4	2	4	2	4	2	4	2	4	2	4	2	4	2	4



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REGISTRATION #29296

VINYL FRENCH DOOR (NI)

DP & ANCHORAGES

FD5455

5 OF 11

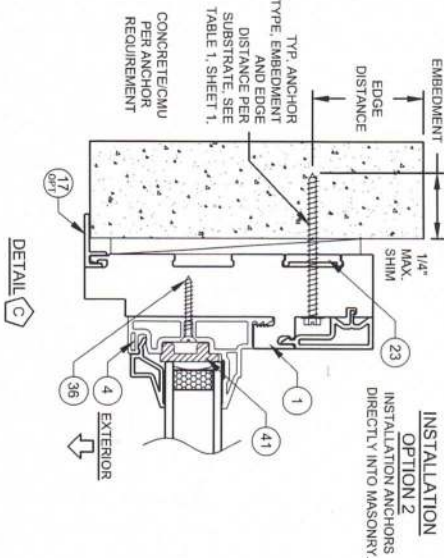
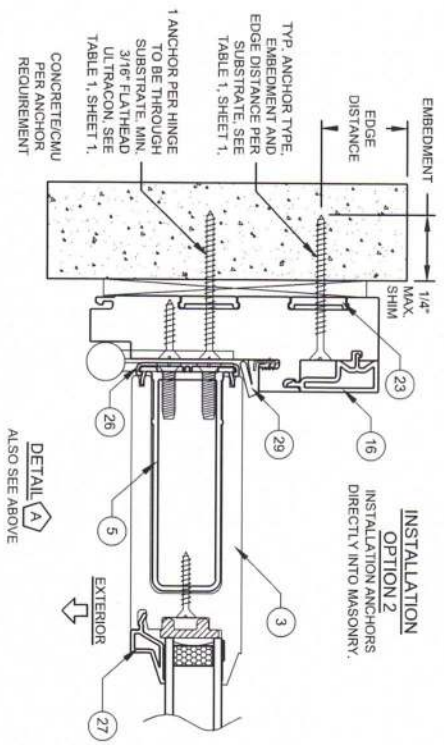
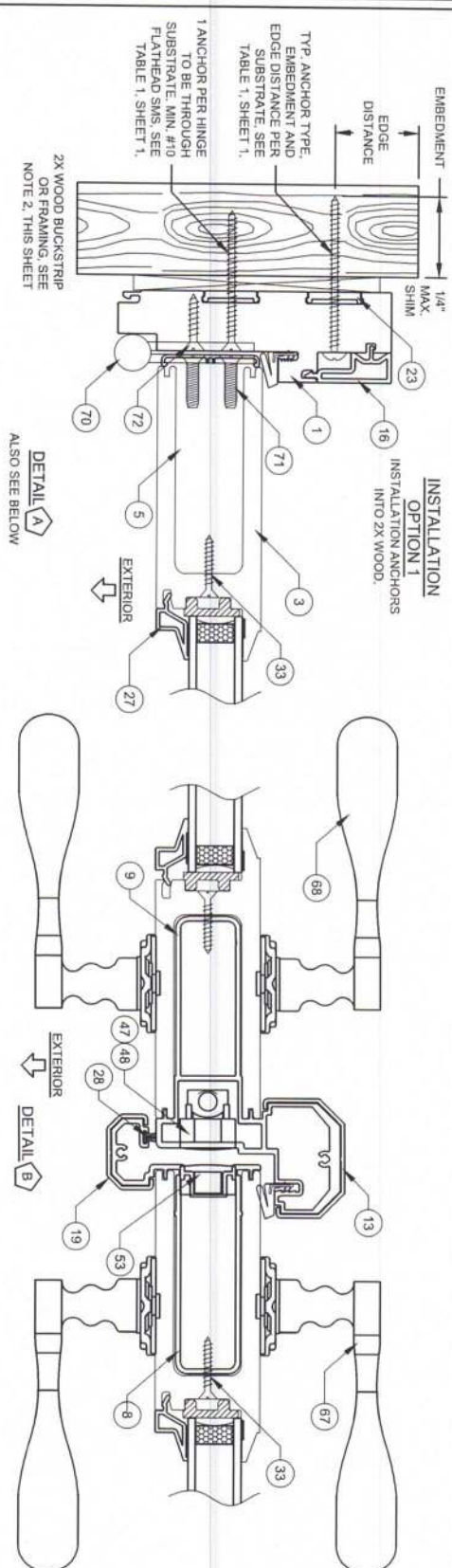
FD5455FPA-NI

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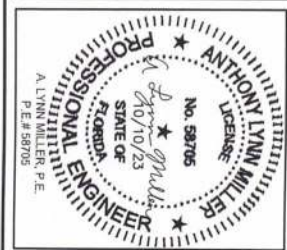
A. MORLESIN

Revision:

E) NO CHANGES IN THIS SHEET.

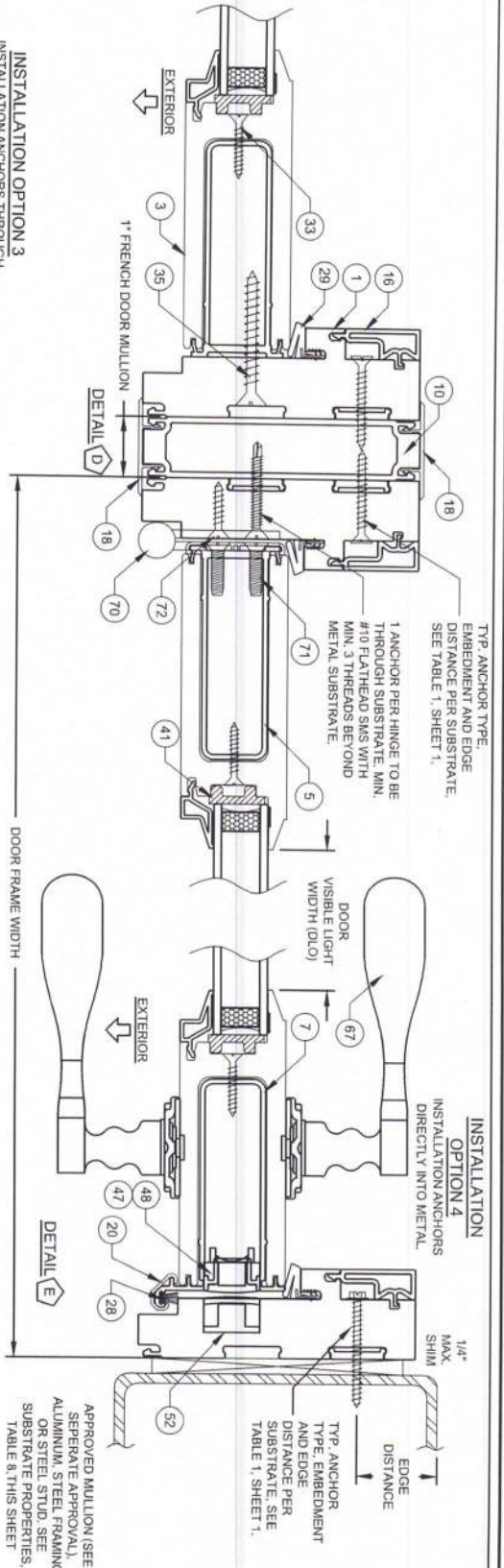


- INSTALLATION NOTES:**
- 1) USE ONLY SUBSTRATE APPROPRIATE ANCHORS LISTED ON TABLE 1, SHEET 1. FOLLOW EMBEDMENT AND EDGE DISTANCE LIMITS. ANY INSTALLATION OPTION SHOWN MAY BE USED ON ANY SIDE OF THE DOOR, SIDELITE OR TRANSOM.
 - 2) WOOD BUCKS DEPICTED ON THIS SHEET AS "1X" ARE BUCKS WHOSE TOTAL THICKNESS IS LESS THAN 1-1/2". 1X WOOD BUCKS ARE OPTIONAL. IF UNIT CAN BE INSTALLED DIRECTLY TO MASONRY, WOOD BUCKS DEPICTED AS "2X" ARE 1-1/2" THICK OR GREATER. INSTALLATION TO THE SUBSTRATE OF WOOD BUCKS TO BE ENGINEERED BY OTHERS OR AS APPROVED BY THE AUTHORITY HAVING JURISDICTION.
 - 3) FOR ATTACHMENT TO METAL, THE STRUCTURAL MEMBER SHALL BE OF A SIZE TO PROVIDE FULL SUPPORT TO THE FRAME OF THE DOOR, SIDELITE OR TRANSOM.
 - 4) IF APPLICABLE, LOWEST DESIGN PRESSURE FROM DOOR, SIDELITE, TRANSOM OR MULLION APPLIES TO THE WHOLE SYSTEM.

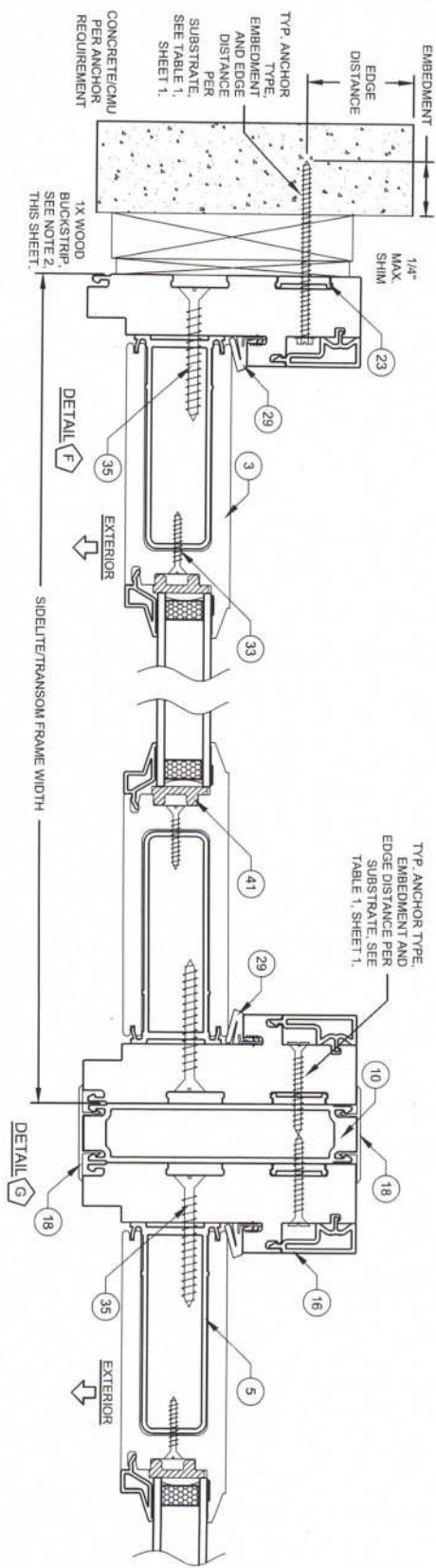


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VINYL FRENCH DOOR (NI)		06/12/11	
INSTALLATION DETAILS.		A. MORLESIN	
FD5455	6 OF 11	FD5455FPA-NI	

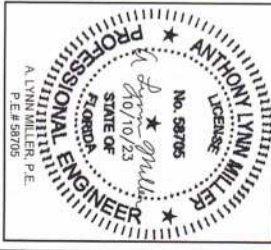
Revision:	E/ NO CHANGES IN THIS SHEET.
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INSTALLATION OPTION 3
INSTALLATION ANCHORS THROUGH
1X BUCKSTRIP INTO MASONRY.

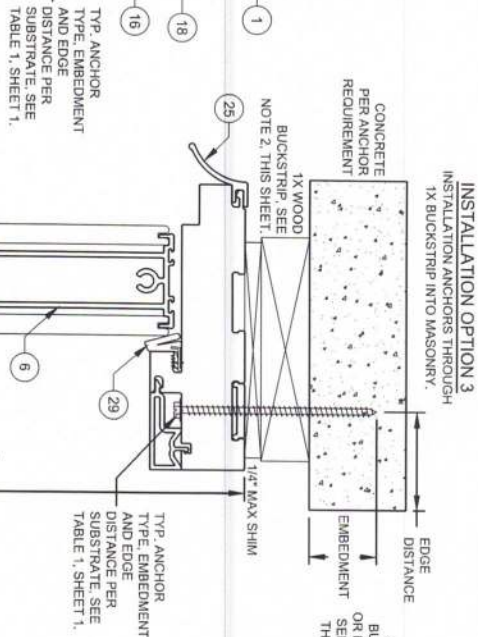
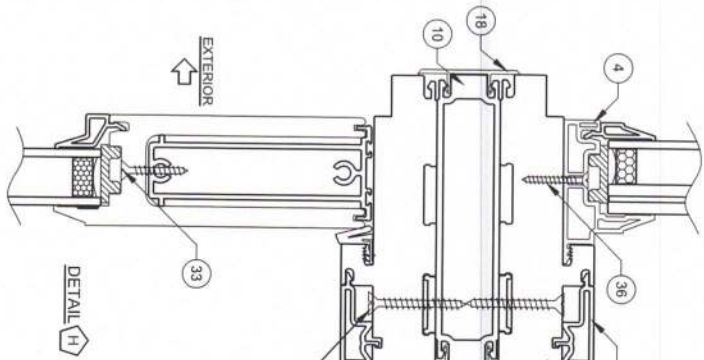


- INSTALLATION NOTES:**
- 1) USE ONLY SUBSTRATE APPROPRIATE ANCHORS LISTED ON TABLE 1, SHEET 1. FOLLOW EMBEDMENT AND EDGE DISTANCE LIMITS. ANY INSTALLATION OPTION SHOWN MAY BE USED ON ANY SIDE OF THE DOOR, SIDELITE OR TRANSOM.
 - 2) WOOD BUCKS DEPICTED ON THIS SHEET AS "1X" ARE BUCKS WHOSE TOTAL THICKNESS IS LESS THAN 1-1/2". 1X WOOD BUCKS ARE OPTIONAL. IF UNIT CAN BE INSTALLED DIRECTLY TO MASONRY, WOOD BUCKS DEPICTED AS "2X" ARE 1-1/2" THICK OR GREATER. INSTALLATION TO THE SUBSTRATE OR WOOD BUCKS TO BE ENGINEERED BY OTHERS OR AS APPROVED BY THE AUTHORITY HAVING JURISDICTION.
 - 3) FOR ATTACHMENT TO METAL, THE STRUCTURAL MEMBER SHALL BE OF A SIZE TO PROVIDE FULL SUPPORT TO THE FRAME OF THE DOOR, SIDELITE OR TRANSOM.
 - 4) IF APPLICABLE, LOWEST DESIGN PRESSURE FROM DOOR, SIDELITE, TRANSOM OR MULLION APPLIES TO THE WHOLE SYSTEM.



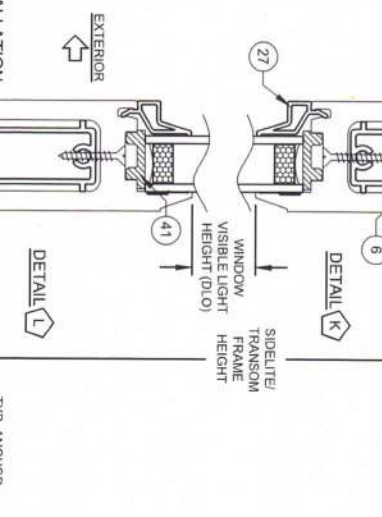
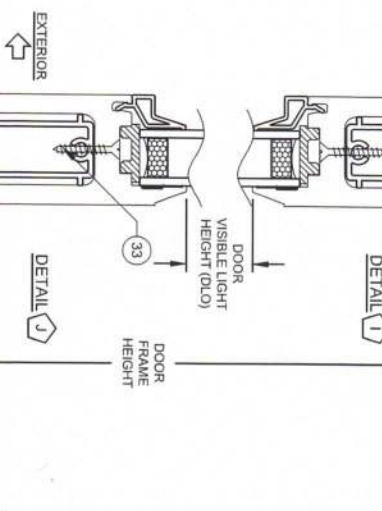
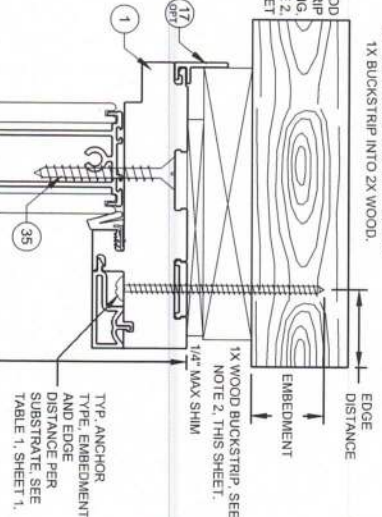
PGT Custom Windows and Doors 1070 TECHNOLOGY DRIVE N. VENICE, FL 34275 (941) 480-1600		PREPARED BY A. LYNN MILLER 1070 TECHNOLOGY DRIVE N. VENICE, FL 34275 (941) 480-1600	
REGISTRATION #29296		DATE: 06/12/11	
VINYL FRENCH DOOR (NI)			
INSTALLATION DETAILS.			
FD5455	7 OF 11	BY: A. MORLESIN	E

Revision: E) NO CHANGES IN THIS SHEET.
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INSTALLATION OPTION 3
INSTALLATION ANCHORS THROUGH
1X BUCKSTRIP INTO MASONRY.

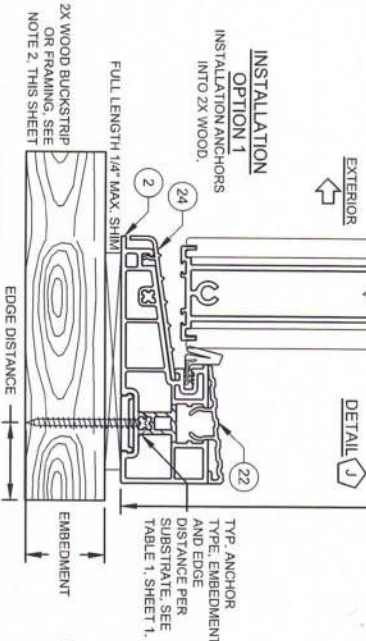
INSTALLATION OPTION 3
INSTALLATION ANCHORS THROUGH
1X BUCKSTRIP INTO 2X WOOD.



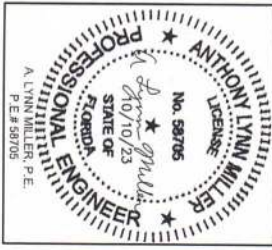
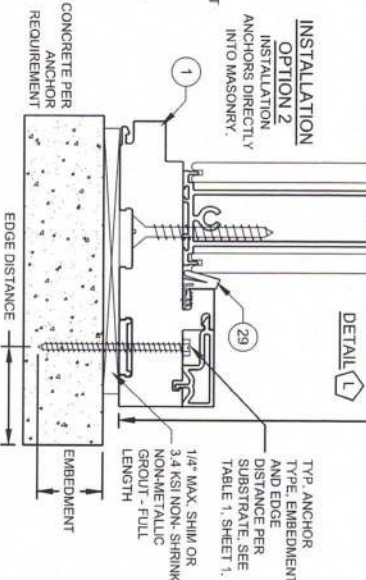
INSTALLATION NOTES:

- 1) USE ONLY SUBSTRATE-APPROPRIATE ANCHORS LISTED ON TABLE 1, SHEET 1. FOLLOW EMBEDMENT AND EDGE DISTANCE LIMITS. ANY INSTALLATION OPTION SHOWN MAY BE USED ON ANY SIDE OF THE DOOR, SIDELITE OR TRANSOM.
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- 3) FOR ATTACHMENT TO METAL: THE STRUCTURAL MEMBER SHALL BE OF A SIZE TO PROVIDE FULL SUPPORT TO THE FRAME OF THE DOOR, SIDELITE OR TRANSOM.
- 4) IF APPLICABLE, LOWEST DESIGN PRESSURE FROM DOOR, SIDELITE, TRANSOM OR MULLION APPLIES TO THE WHOLE SYSTEM.

INSTALLATION
OPTION 1

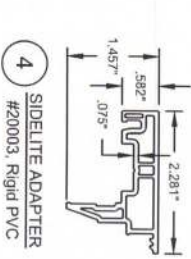
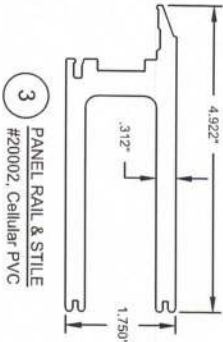
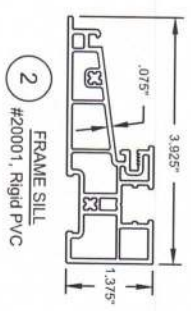
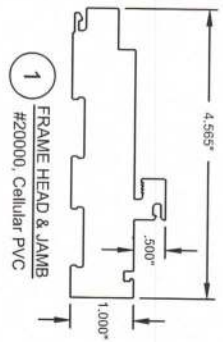


INSTALLATION
OPTION 2



PGT Custom Windows and Doors 1070 TECHNOLOGY 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		DATE 06/12/11	
VINYL FRENCH DOOR (NI)		DRAWN BY A. MORLESIN	
FD5455	8 OF 11	FD5455FPA-NI	E

Revision:		E) NO CHANGES IN THIS SHEET.	
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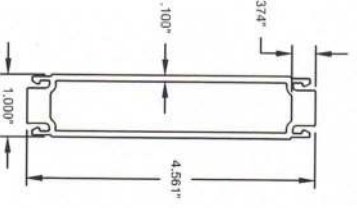
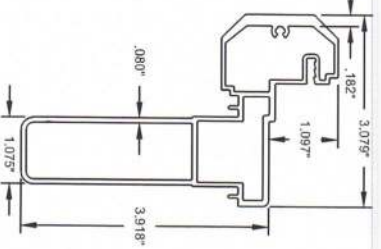
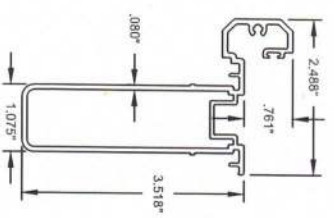
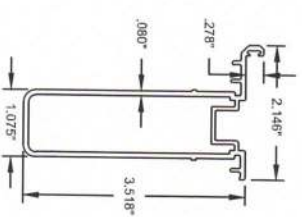
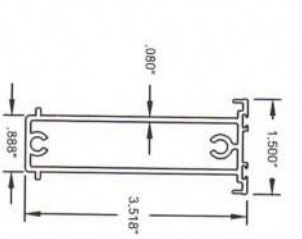
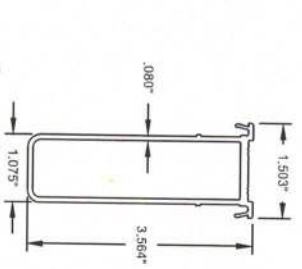


1 FRAME HEAD & JAMB
#20000, Cellular PVC

2 FRAME SILL
#20001, Rigid PVC

3 PANEL RAIL & STILE
#20002, Cellular PVC

4 SIDELITE ADAPTER
#20003, Rigid PVC



5 HINGE STILE
REINFORCEMENT
#20013, 6063-T6

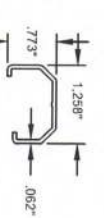
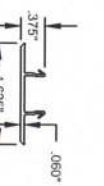
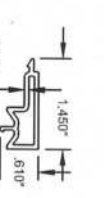
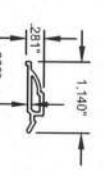
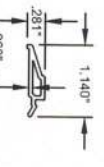
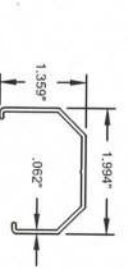
6 TOP & BOTTOM RAIL
REINFORCEMENT
#20014, 6063-T6

7 PANEL STILE
REINFORCEMENT
#20015, 6063-T6

8 ACTIVE
ASTRAGAL
#20016, 6063-T6

9 INACTIVE
ASTRAGAL
#20017, 6063-T6

10 1" FRENCH
DOOR MULLION
#20022, 6063-T6



13 INACTIVE
ASTRAGAL COVER
#20004, Rigid PVC

14 BEVELED
BEAD
#20005, Rigid PVC

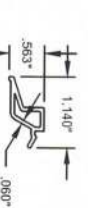
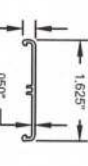
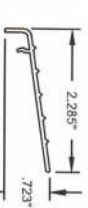
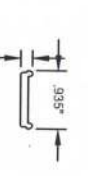
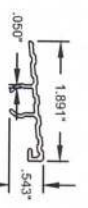
15 OGEE
BEAD
#20006, Rigid PVC

16 FRAME SCREW
COVER
#20007, Rigid PVC

17 ADD-ON
FINFLANGE
#20008, Rigid PVC

18 1" MULLION
CAP
#20009, Rigid PVC

19 ACTIVE
ASTRAGAL COVER
#20011, Rigid PVC



20 SINGLE DOOR
ASTRAGAL COVER
#20012, Rigid PVC

22 SILL SCREW CAP
#20057A, 6063-T6

23 ANCHOR
PLATE
#19031, 6063-T6

24 THRESHOLD
CAP
#20020, 6063-T6

25 DRIP CAP
#20021, RIGID PVC

26 HINGE TRIM
COVER
#20023, Rigid PVC

27 7/8" BEVELED
BEAD
#20024, Rigid PVC



PGT Custom Windows and Doors 1070 TECHNOLOGY 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		DATE: 06/12/11	
VINYL FRENCH DOOR (NI)		DRAWN BY: A. MORLESIN	
FD5455	9 OF 11	ON: 06/10/11	REV: E
EXTRUSIONS.		FD5455FPA-NI	

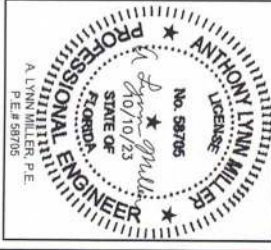
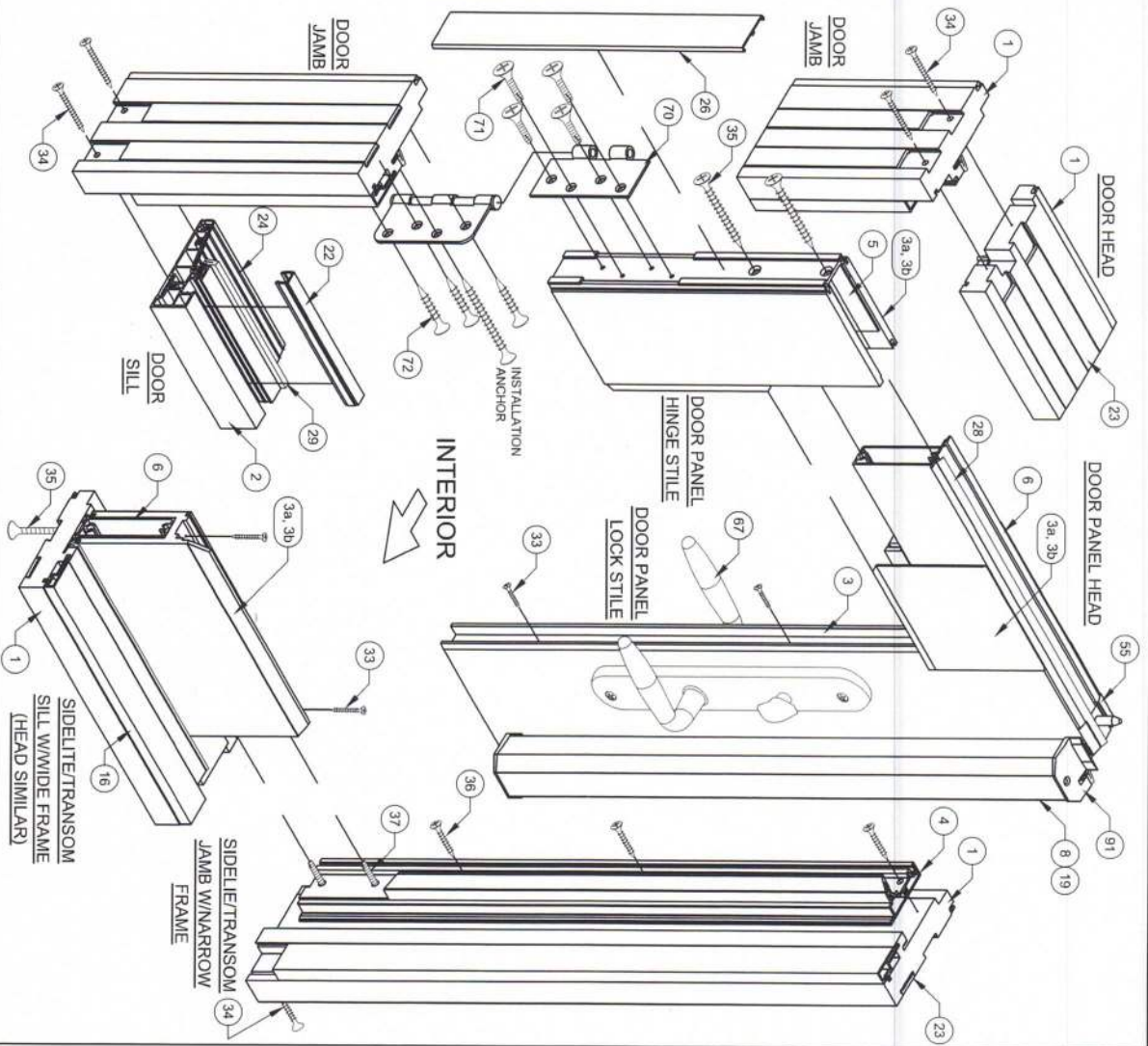
Revision:	
E) NO CHANGES IN THIS SHEET.	

TABLE 10.

#	PGT Part #	Description	Material
1	20000	Door & Sidelite/Transom Main Frame	Cellular PVC
2	20001	Door Frame Sill	Rigid PVC
3	20002	Panel Sills & Rail	Cellular PVC
4	20003	Sidelite Adapter	Rigid PVC
5	20013	Hinge Sill Reinforcement	Alum., 6063-T6
6	20014	Panel Rail Reinforcement	Alum., 6063-T6
7	20015	Panel Sill Reinforcement	Alum., 6063-T6
8	20016	Active Astragal	Alum., 6063-T6
9	20017	Inactive Astragal	Alum., 6063-T6
10	20022	1" French Door Mullion	Alum., 6063-T6
13	20004	Inactive Astragal Cover	Rigid PVC
14	20005	1-3/16" Bevel Bead	Rigid PVC
15	20006	1-3/16" Ogee Bead	Rigid PVC
16	20007	Screw Cover	Rigid PVC
17	20008	Add-on Fin Flange	Rigid PVC
18	20009	1" Mullion Cap	Rigid PVC
19	20011	Active Astragal Cover	Rigid PVC
20	20012	Single Door Astragal Cover	Rigid PVC
22	20057A	Sill Screw Cover	Rigid PVC
23	19031	Anchor Plate	Alum., 6063-T6
24	20020	Threshold Cover	Alum., 6063-T6
25	20023	Drain Cap	Rigid PVC
26	20024	Hinge Trim Cover	Rigid PVC
27	20024	7/8" Beveled Bead	Rigid PVC
28	16713	Fin Weatherstrip	EPDM
29	174FP1410XM	Frame-to-Wide Slab Screw #14 X 1-1/2" Phil. FH	Stainless Steel
31	75101X	Frame-to-Narrow Slab Screw #10 X 1" Phil. FH	Stainless Steel
32	78X1FP1410	Reinforcement Screw #8 X 1" Phil. FH	Stainless Steel
33	710XCEPAX	Frame Assembly Screw #10 X 2" Phil. FH	Stainless Steel
34	714FP1410XM	N/W Slab Assembly Screw #14 X 1-1/2" Phil. FH	Stainless Steel
35	75101X	N/W Slab Assembly Screw #10 X 1" Phil. FH	Stainless Steel
36	71420X2 25	Backdrilling Dowel/91, 983, 995 or GE-7700	Stainless Steel
37	62689	Superspacer	EPDM
40	720006	Setting Block, (Duro = 85 +/- 5)	EPDM
41	720006	Backdrilling Dowel/91, 983, 995 or GE-7700	Silicone
42	6H4L5140	Argon Gas	Argon Gas
43	6H4L5140	Text Melt Bury	Text Melt Bury
44	73	See Hardware BOM, Table 9, Sheet 12	
47	73	See Hardware BOM, Table 9, Sheet 12	
90	20033	Inactive Astragal Cap	Acetal
91	20035	Active Astragal Cap	Acetal

DAYLITE OPENING (DLO) SIZES

WHEN USING PART # 3, (WIDE RAILS OR STILES)
X DOOR FRAME HEIGHT - 12.1 = DLO HEIGHT
X DOOR FRAME WIDTH - 12.3 = DLO WIDTH
(KX DOOR FRAME HEIGHT / 2) - 12.1 = DLO HEIGHT
(KX DOOR FRAME WIDTH / 2) - 11.7 = DLO WIDTH
SLTTR FRAME HEIGHT - 12.1 = DLO HEIGHT
SLTTR FRAME WIDTH - 12.1 = DLO WIDTH
WHEN USING PART # 4, (NARROW RAILS OR STILES)
SLTTR FRAME HEIGHT - 4.9 = DLO HEIGHT
SLTTR FRAME WIDTH - 4.9 = DLO WIDTH



PGT
 Custom Windows and Doors
 1070 TECHNOLOGY 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

VINYL FRENCH DOOR (NI) 06/12/11

BOM & ASSEMBLY DETAILS. By A. MORLESIN

FD5455 10 OF 11 FD5455FPA-NI

Revision:

(E) NO CHANGES IN THIS SHEET.

HARDWARE DETAILS & LOCATIONS

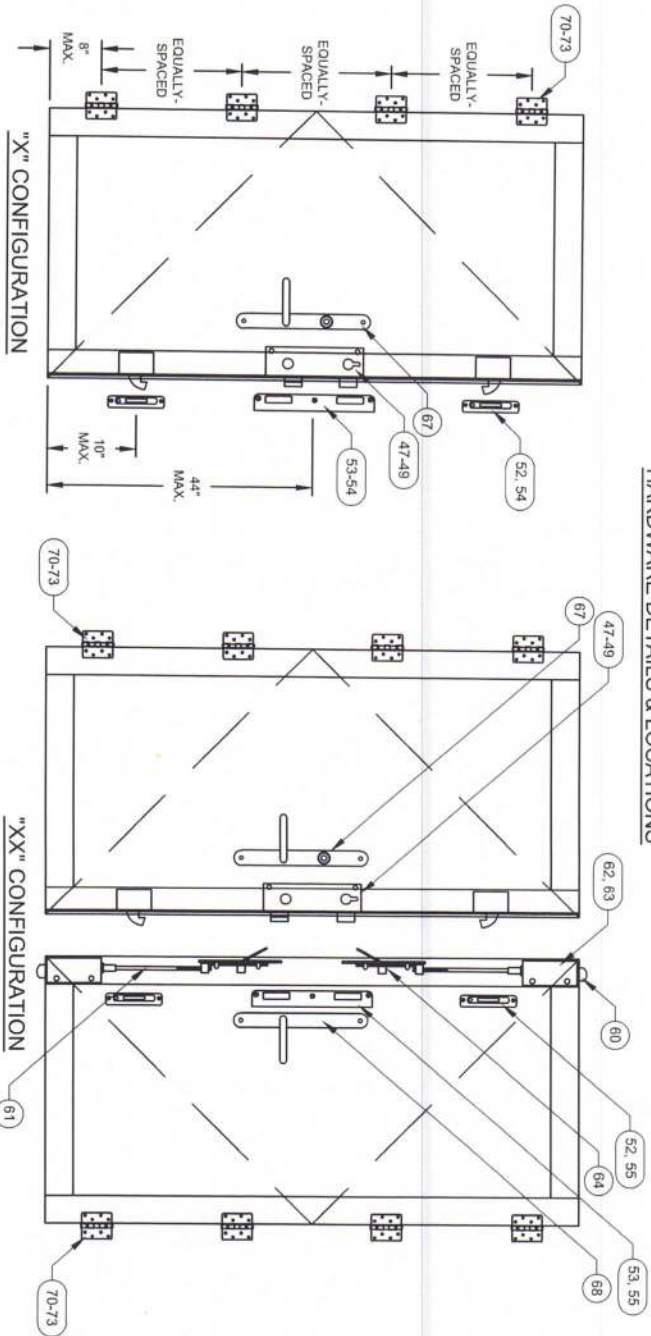
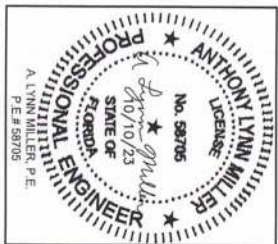
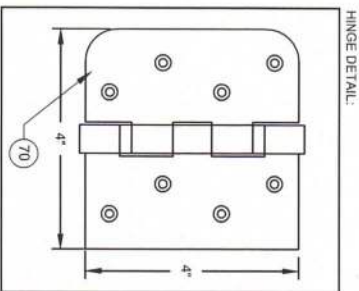


TABLE 11:

#	POT Part #	Description	Material
47	666032701	P3000 3-PT Rhino Lock (66)	
48	666032702	P3000 3-PT Rhino Lock (over 66)	
49	71032X1FFFX	Rhino Lock Screw, 10-32 X 1\" P.H. FH	
52	20027	Adjustable Strike Plate Assembly	Stainless Steel
53	20028	Center Strike Plate Assembly	Stainless Steel
54	7S101X	Strike Plate Screw, (X) #10 X 1\" P.H. FH	410 S.S.
55	78X12PFLUX	Strike Plate Screw, (XX) #8 X 1 1/2\" P.H. FH	410 S.S.
60	7S81202	Flush Bolt (XX)	
61	7803725	Flush Bolt Rod (XX)	
62	420034	Flush Bolt Guides (XX)	
63	7832X12FPXP	Flush Bolt Screw, 8-32 X 1 1/2\" P.H. FH	
64	48033N	Guide Pin (XX)	Stainless Steel
65	78036	Flush Bolt Strike Plate (XX)	Stainless Steel
66	7832X12FPXP	Flush Bolt Strike Plate Screw, (XX) #8 X 3/4\" P.H. FH	410 S.S.
67	varies	Handle/Lever	
68	varies	Dummy Handle/Lever	
70	20025	Butt Hinge	Stainless Steel
71	71032X1FFFX	Hinge, Slab Screw, #10-32 X 1\" P.H. FH	Stainless Steel
72	7S101X	Hinge, Frame Screw, #10 X 1\" P.H. FH	Stainless Steel



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VINYL FRENCH DOOR (NI)		Date: 06/12/11	
HARDWARE.		Drawn By: A. MORLESIN	
FD5455	Sheet: 11 OF 11	No. 11	Rev. 1

Revision: E) NO CHANGES IN THIS SHEET.	Revision: E) NO CHANGES IN THIS SHEET.
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