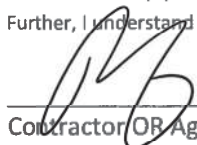


As required by Florida Statute 553.842 and Florida Administrative Code 9B-72, please provide the information and approval numbers on the building components listed below if they will be utilized on the construction project for which you are applying for a building permit. We recommend you contact your 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	CGI	Entry Door	10597.4
B. SLIDING			
C. SECTIONAL/ROLL UP			
D. OTHER			
2. WINDOWS			
A. SINGLE/DOUBLE HUNG			
B. HORIZONTAL SLIDER			
C. CASEMENT	Pella	Casement Window	26533.4
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-STRUCTURAL METAL			
C. ROOFING TILES			
D. SINGLE PLY ROOF			
E. OTHER			
5. STRUCTURAL 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 Agent Signature

11/12/2024

Date

NOTES: _____



Product Approval
USER: Public User

[Product Approval Menu](#) > [Product or Application Search](#) > **Application List**

OFFICE OF THE
SECRETARY

Search Criteria

[Refine Search](#)

Code Version	2023	FL#	10597.4
Application Type	ALL	Product Manufacturer	ALL
Category	ALL	Subcategory	ALL
Application Status	ALL	Compliance Method	ALL
Quality Assurance Entity	ALL	Quality Assurance Entity Contract Expired	ALL
Product Model, Number or Name	ALL	Product Description	ALL
Approved for use in HVHZ	ALL	Approved for use outside HVHZ	ALL
Impact Resistant	ALL	Design Pressure	ALL
Other	ALL		

Search Results - Applications

FL#	Type	Manufacturer	Validated By	Status
FL10597-R11 History	Revision	CGI Windows and Doors FL#: FL10597.4 Model: Series 7700 French Door w/wo Sidelites/Transom Description: Outswing, Vinyl, Large Missile Impact Resistant Category: Exterior Doors Subcategory: Swinging Exterior Door Assemblies	Steven M. Urich, PE (717) 317-8454	Approved *

*Approved by DBPR. Approvals by DBPR shall be reviewed and ratified by the POC and/or the Commission if necessary.

[Contact Us](#) :: [2601 Blair Stone Road, Tallahassee FL 32399](#) Phone: 850-487-1824

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Product Approval Accepts:





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

MIAMI-DADE COUNTY, FLORIDA
PRODUCT CONTROL SECTION

11805 SW 26 Street, Room 208
T (786) 315-2590 F (786) 315-2599

NOTICE OF ACCEPTANCE (NOA)

www.miamidade.gov/economy

CGI Windows and Doors, Inc.
3780 W 104th Street,
Hialeah Fl. 33018

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 "FD-7700" Outswing PVC French Door w/ & w/o Sidelite and Transom - L.M.I.

APPROVAL DOCUMENT: Drawing No. MD-7700.1 Rev E, Series titled "Vinyl French Door and SLT/TR", sheets 1 through 12 of 12, dated 05/07/13 and revised on 07/09/23, 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: Large and Small Missile Impact Resistant

LABELING: Each unit shall bear a permanent label with the manufacturer's name or logo, city, state, 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# 20-0427.07 (PLA 23-0717.01)** 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. 23-0717.03
Expiration Date: January 23, 2029
Approval Date: August 03, 2023

CGI Windows and Doors, Inc.

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

1. Evidence submitted under previous NOA

A. DRAWINGS

1. Manufacturer's die drawings and sections.
(Submitted under NOA# 15-0409.05)
2. Drawing No. **MD-7700.1**, Series titled "Vinyl French Door and SLT/TR", sheets 1 through 12 of 12, dated 05/07/13, with revision C dated 01/03/19, 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) 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 FD-5570/FD-2770 PVC double entrance outswing doors, prepared by Fenestration Testing Laboratory, Inc., Test Report No. **FTL-8717**, dated 11/16/15, signed and sealed by Idalmis Ortega, P.E.
(Submitted under previous NOA# 16-0126.05)
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 FD-5555/FD-7700 PVC double entrance outswing doors, prepared by Fenestration Testing Laboratory, Inc., Test Report No. **FTL-8716**, dated 11/12/15, signed and sealed by Idalmis Ortega, P.E.
(Submitted under previous NOA# 16-0126.05)
3. 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 Series FD-5555/FD-7700 PVC fixed sidelite, prepared by Fenestration Testing Laboratory, Inc., Test Report No. **FTL-8715**, dated 11/05/15, signed and sealed by Idalmis Ortega, P.E.
(Submitted under previous NOA# 16-0126.05)

Ishaq I. Chanda

Ishaq I. Chanda, P.E.
Product Control Unit Supervisor
NOA No. 23-0717.03
Expiration Date: January 23, 2029
Approval Date: August 03, 2023

CGI Windows and Doors, Inc.

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

B. TESTS (CONTINUED)

4. Test reports on: 1) Air Infiltration Test, per FBC, TAS 202-94
2) Uniform Static Air Pressure Test, Loading per FBC TAS 202-94
3) Water Resistance Test, per FBC, TAS 202-94
along with marked-up drawings and installation diagram of an outswing PVC French door, prepared by Fenestration Testing Laboratory, Inc., Test Report No. **FTL-7370**, dated 05/23/13, signed and sealed by Jorge A. Naya, Jr., P.E.
(Submitted under NOA# 15-0409.05/#13-0815.03)
5. 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 an outswing Rigid PVC French door, prepared by Fenestration Testing Laboratory, Inc., Test Report No. **FTL-7371**, dated 05/25/13, signed and sealed by Jorge A. Naya, Jr., P.E.
(Submitted under NOA# 15-0409.05/#13-0815.03)
6. 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
along with marked-up drawings and installation diagram of a PVC fixed window, prepared by Fenestration Testing Laboratory, Inc., Test Report No. **FTL-7338**, dated 05/25/13, signed and sealed by Jorge A. Naya, Jr., P.E.
(Submitted under NOA# 15-0409.05/#13-0815.03)
7. 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 Rigid PVC fixed window, prepared by Fenestration Testing Laboratory, Inc., Test Report No. **FTL-7339**, dated 05/23/13, signed and sealed by Jorge A. Naya, Jr., P.E.
(Submitted under NOA# 15-0409.05/#13-0815.03)

C. CALCULATIONS

1. Anchor verification calculations and structural analysis, complying with **FBC 5th Edition (2014)**, dated 03/30/15, prepared by manufacturer, signed and sealed by Anthony Lynn Miller, P.E. **(Submitted under NOA# 15-0409.05)**
2. Glazing complies with **ASTM E1300-09**.

Ishaq I. Chanda

Ishaq I. Chanda, P.E.
Product Control Unit Supervisor
NOA No. 23-0717.03
Expiration Date: January 23, 2029
Approval Date: August 03, 2023

CGI Windows and Doors, Inc.

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

D. QUALITY ASSURANCE

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

E. MATERIAL CERTIFICATIONS

1. Notice of Acceptance No. **17-1114.14** issued to **Kuraray America, Inc.** for their “**Kuraray Trosifol® Ultraclear, clear and color PVB Interlayer**” dated 01/18/18, expiring on 07/08/19.
2. Notice of Acceptance No. **17-0808.02** issued to **Kuraray America, Inc.** for their “**SentryGlas® (Clear and White) Glass Interlayers**” dated 12/28/17, expiring on 07/04/23.
3. Notice of Acceptance No. **14-0820.11** issued to Vision Extrusions Limited for their “**White Rigid PVC Exterior Extrusions for Windows and Doors**”, dated 11/06/14, expiring on 09/30/19.
(Submitted under NOA No. 15-0409.03)
4. Notice of Acceptance No. **14-0820.12** issued to Vision Extrusions Limited for their “**Brown Coated (Painted or Laminated) White Rigid PVC Exterior Extrusions for Windows and Doors**”, dated 11/06/14, expiring on 09/30/19.
(Submitted under NOA No. 15-0409.05)
5. Notice of Acceptance No. **13-1121.01** issued to Vision Extrusions Limited for their series “**VE 2000 Tan 202 and lighter shades (Non-White) Rigid Cellular PVC Exterior Extrusions for Windows and Doors**” dated 01/23/14, expiring on 01/23/19.
(Submitted under NOA No. 15-0409.03/05)
6. Notice of Acceptance No. **13-1121.02** issued to Vision Extrusions Limited for their series “**White Rigid Cellular PVC Exterior Extrusions for Windows and Doors**” dated 01/23/14, expiring on 01/23/19.
(Submitted under NOA No. 15-0409.03/05)
7. Notice of Acceptance No. **11-0902.10** issued to Vision Extrusions Limited for their series “**VE 1000 Tan 202 (Non-White) Rigid PVC Exterior Extrusions for Windows and Doors**” dated 12/29/11, expiring on 12/29/16.
(Submitted under NOA No. 15-0409.03/05)
8. Quanex Part **Super Spacer Standard** complying with ASTM C518 Thermal Conductivity 0.881 BTU-in/ hr.-ft²-°F, ASTM F 1249 WVTR-Pass, ASTM D3985 Oxygen-Pass, ASTM E 2190 I.G. Durability-No Fog-Pass.
(Submitted under previous NOA No. 15-0409.03/05)
9. Quanex Part **Duraseal** complying with ASTM C518 Thermal Conductivity 2.22 BTU-in/ hr.-ft²-°F, ASTM F 1249 WVTR-Pass, ASTM D 1434 Argon Permeance-Pass, ASTM E 2189 I.G. Durability-No Fog, ASTM E 546 Dew Point Development -20°F in 48 hrs.
(Submitted under NOA No. 13-0815.03/#15-0409.05)

Ishaq I. Chanda

Ishaq I. Chanda, P.E.
Product Control Unit Supervisor
NOA No. 23-0717.03
Expiration Date: January 23, 2029
Approval Date: August 03, 2023

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

E. MATERIAL CERTIFICATIONS (CONTINUED)

10. Vision Extrusions, Ltd. Parts complying with PVC-AAMA 303-13.
(Submitted under NOA No. 13-0815.03/#15-0409.05)
11. PVC-AAMA 303-13, Voluntary Specification for Rigid Polyvinyl Chloride (PVC) Exterior Profiles for Vision Extrusions, Ltd.-VEX-1 by AAMA Fenestration Exterior Profile Certification Program. *(Submitted under NOA No.13-0815.03/# 15-0409.05)*

F. STATEMENTS

1. Statement letter of conformance to and of complying with **FBC 6th Edition (2017)**, dated December 18, 2018, issued by manufacturer, signed and sealed by Anthony Lynn Miller, P.E.
2. Statement letter of no financial interest and of independent, issued by manufacturer, dated December 18, 2018, signed and sealed by Anthony Lynn Miller, P.E.
3. Laboratory compliance letter for Test Reports No. **FTL-7370, FTL-7371, FTL-7338 and FTL-7339**, all issued by Fenestration Testing Laboratory, Inc., dated 05/23/13 and 05/25/13, all signed and sealed by Jorge A. Naya, Jr., P.E.
(Submitted under NOA No. 15-0409.05)
4. Testing Proposal #**15-1178**, dated 07/23/15, issued by the Product Control Section, signed by Jaime Gascon, P.E.

G. OTHERS

1. Notice of Acceptance No. **17-0504.07**, issued to CGI Windows & Doors, Inc. for their Series "FD-7700" Outswing PVC French Door w/ & w/o Sidelite and Transom - L.M.I., approved on 12/14/17 and expiring on 01/23/19.

2. Evidence Submitted under previous approval

A. DRAWINGS

1. Drawing No. **MD-7700.1 Rev D**, Series titled "Vinyl French Door and SLT/TR", sheets 1 through 12 of 12, dated 05/07/13 and revised on 04/20/20, prepared by manufacturer, signed and sealed by Anthony Lynn Miller, P.E.

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

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

along with marked-up drawings and installation diagram of all PGT Industries, Inc. representative units listed below and tested to qualify **Dowsil 791** and **Dowsil 983** silicones, prepared by Fenestration Testing Laboratory, Inc., Test Reports No.:

Ishaq I. Chanda

Ishaq I. Chanda, P.E.
Product Control Unit Supervisor
NOA No. 23-0717.03
Expiration Date: January 23, 2029
Approval Date: August 03, 2023

CGI Windows and Doors, Inc.

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

B. TESTS (continue):

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 7th Edition (2020)**, dated 04/20/20, prepared by manufacturer, signed and sealed by Anthony Lynn Miller, P.E.
2. Glazing complies with **ASTM E1300-04, -09, -12 and -16**.

D. QUALITY ASSURANCE

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

E. MATERIAL CERTIFICATIONS

1. Notice of Acceptance No. **19-0305.02** issued to **Kuraray America, Inc.** for their “**Trosifol® Ultraclear, Clear, and Color PVB Glass Interlayers**”, expiring on 07/08/24.
2. Notice of Acceptance No. **17-0808.02** issued to **Kuraray America, Inc.** for their “**SentryGlas® (Clear and White) Glass Interlayers**”, expiring on 07/04/23.
3. Notice of Acceptance No. **18-1106.10** issued to Vision Extrusions Limited for their “**Brown Coated (Painted or Laminated) White Rigid PVC Exterior Extrusions for Windows and Doors**”, expiring on 09/30/24.
4. Notice of Acceptance No. **18-1106.11** issued to Vision Extrusions Limited for their series “**VE 1000 Tan 202 and lighter shades (Non-White) Rigid Cellular PVC Exterior Extrusions for Windows and Doors**”, expiring on 12/29/21.
5. Quanex Part **Super Spacer Standard** complying with ASTM C518 Thermal Conductivity 0.881 BTU-in/ hr.-ft²-°F, ASTM F 1249 WVTR-Pass, ASTM D3985 Oxygen-Pass, ASTM E 2190 I.G. Durability-No Fog-Pass.
(Submitted under previous NOA No. 15-0409.05)
6. Quanex Part **Duraseal** complying with ASTM C518 Thermal Conductivity 2.22 BTU-in/ hr.-ft²-°F, ASTM F 1249 WVTR-Pass, ASTM D 1434 Argon Permeance-Pass, ASTM E 2189 I.G. Durability-No Fog, ASTM E 546 Dew Point Development -20°F in 48 hrs.*(Submitted under NOA No. 15-0409.05)*.

Ishaq I. Chanda

Ishaq I. Chanda, P.E.
Product Control Unit Supervisor
NOA No. 23-0717.03
Expiration Date: January 23, 2029
Approval Date: August 03, 2023

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

E. MATERIAL CERTIFICATIONS (conti)

7. Vision Extrusions, Ltd. Parts complying with PVC-AAMA 303-13, Voluntary Specification for Rigid Polyvinyl Chloride (PVC) Exterior Profiles for Vision Extrusions, Ltd.-VEX-1 by AAMA Fenestration Exterior Profile Certification Program. *(Submitted under NOA No. 15-0409.05)*
8. Vision Extrusions, Ltd. Parts complying with PVC-AAMA 303-13. *(Submitted under NOA No. 15-0409.05)*
9. PVC-AAMA 303-13, Voluntary Specification for Rigid Polyvinyl Chloride (PVC) Exterior Profiles for Vision Extrusions, Ltd.-VEX-1 by AAMA Fenestration Exterior Profile Certification Program.
10. Notice of Acceptance No. **18-1217.14** issued to Energi Fenestration Solution, USA, Inc. for their “**Tan 3040 & light shade (non-white) White Rigid PVC Exterior Extrusions for Windows and Doors**”, expiring on 02/04/21.
11. Notice of Acceptance No. **18-1217.14** issued to Energi Fenestration Solution, USA, Inc. for their “**Tan 3040 & light shade (non-white) White Rigid PVC Exterior Extrusions for Windows and Doors**”, expiring on 02/04/21.
12. Notice of Acceptance No. **18-0122.02** issued to Energi Fenestration Solution, USA, Inc, for their series “**White Rigid PVC Exterior Extrusions for Windows and Doors**”, expiring on 02/28/23.
13. Notice of Acceptance No. **20-0203.03** issued to Energi Fenestration Solution, USA, Inc. for their “**Bronze & light shade cap coated White Rigid PVC Exterior Extrusions for Windows and Doors**”, expiring on 04/16/25.

F. STATEMENTS

1. Statement letter of conformance to **FBC 7th Edition (2020)**, dated 04/20/20, issued by manufacturer, signed and sealed by Anthony Lynn Miller, P.E.
2. Statement letter of no financial interest and of independent, issued by manufacturer, dated 04/18/20, signed and sealed by Anthony Lynn Miller, P.E.
3. Private Labeling Agreement document in conformance with the Product Control guidelines, dated 03/30/15 and signed by all involved parties *(Submitted under NOA No. 15-0409.05)*

G. OTHERS

1. This NOA revises NOA# **18-1220.03 (PLA 20-0427.05)** and updates FBC 2020, expiring 01/23/24.
2. RER Test proposals #**19-1155** dated 01/10/20 approved by Ishaq I. Chanda, P.E.

Ishaq I. Chanda

Ishaq I. Chanda, P.E.
Product Control Unit Supervisor
NOA No. 23-0717.03
Expiration Date: January 23, 2029
Approval Date: August 03, 2023

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

3. NEW EVIDENCE SUBMITTED

A. DRAWINGS

1. Drawing No. **MD-7700.1 Rev E**, Series titled “Vinyl French Door and SLT/TR”, sheets 1 through 12 of 12, dated 05/07/13 and revised on 07/09/23, 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. Notice of Acceptance No. **19-0305.02** issued to **Kuraray America, Inc.** for their “**Trosifol® Ultraclear, Clear and Color PVB Glass Interlayers**” dated 05/09/19, expiring on 07/08/24.
2. Notice of Acceptance No. **18-0725.11** issued to **Kuraray America, Inc.** for their “**Kuraray SentryGlas® Xtra™ (SGX™) Clear Glass Interlayer**” dated 05/23/19, expiring on 05/23/24
3. 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.
4. 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.
5. 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.

D. STATEMENTS

1. Statement letter of conformance, complying with **FBC 7th Edition (2020)** and the **FBC 8th Edition (2023)**, dated 07-09-23, 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 & renews NOA# 20-0427.07 (PLA #23-0717.01)**, expiring on 01/23/29.

Ishaq I. Chanda

Ishaq I. Chanda, P.E.
Product Control Unit Supervisor
NOA No. 23-0717.03
Expiration Date: January 23, 2029
Approval Date: August 03, 2023

**SERIES FD-7700,
IMPACT-RESISTANT, VINYL, REINFORCED, OUTSWING
FRENCH DOOR & SIDELITE/TRANSOM (SLT/TR)**

DESIGN PRESSURE RATING	IMPACT RATING
VARIABLE, SEE SHEETS 4 & 5	RATED FOR LARGE & SMALL MISSILE IMPACT RESISTANCE

- THIS PRODUCT HAS BEEN DESIGNED & TESTED TO COMPLY WITH THE REQUIREMENTS OF THE FLORIDA BUILDING CODE, INCLUDING THE HIGH VELOCITY HURRICANE ZONE (HVHZ).
- SHUTTERS ARE NOT REQUIRED WHEN USED IN WIND-BORNE DEBRIS REGIONS.
- FOR MASONRY APPLICATIONS IN MIAMI-DADE COUNTY, USE ONLY MIAMI-DADE COUNTY APPROVED MASONRY ANCHORS. MATERIALS USED FOR ANCHOR EVALUATIONS WERE SOUTHERN PINE, ASTM C90 CONCRETE MASONRY UNITS (CMU'S) OF NORMAL WEIGHT AND OF COMPRESSIVE STRENGTH OF MIN. 1.9 KSI AND CONCRETE WITH MIN. KSI PER ANCHOR TYPE.
- 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.
- IF SILL IS TIGHT TO SUBSTRATE, GROUT IS NOT REQUIRED. IF USED, NON-SHRINK, NON-METALLIC GROUT AT 3.4 KSI MIN. PER ASTM C1107, (DONE BY OTHERS). MAX. 1/4" SHIM SPACE FOR GROUT WHICH 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.
- 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.
- MAX. 1/4" 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.
- 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.
C. DESIGN LOADS ARE BASED ON ALLOWABLE STRESS DESIGN, ASD.
- THE ANCHORAGE METHODS SHOWN HAVE BEEN DESIGNED TO RESIST THE WINDLOADS CORRESPONDING TO THE REQUIRED DESIGN PRESSURE. THE 33-1/3% STRESS INCREASE HAS NOT BEEN USED IN THE DESIGN OF THIS PRODUCT. THE 1.6 LOAD DURATION FACTOR WAS USED FOR THE EVALUATION OF ANCHORS INTO WOOD. ANCHORS THAT COME INTO CONTACT WITH OTHER DISSIMILAR MATERIALS SHALL MEET THE REQUIREMENTS OF THE FLORIDA BUILDING CODE (INCLUDING ADOPTED STANDARDS) FOR CORROSION RESISTANCE.
- ALL RIGID PVC AND RIGID CELLULAR PVC MANUFACTURED BY VISION EXTRUSIONS, LTD. HAS BEEN TESTED TO COMPLY WITH THE FLORIDA BUILDING CODE FOR PLASTICS.
- SIZES MUST BE VERIFIED FOR COMPLIANCE WITH EGRESS REQUIREMENTS PER THE FLORIDA BUILDING CODE.

GUIDE TO SHEETS:

GENERAL NOTES.....	1
ELEVATIONS.....	2
GLAZING DETAILS.....	3
DESIGN PRESSURES.....	4-5
ANCHORS.....	4-6
INSTALLATION.....	7-9
EXTRUSION PROFILES.....	10
PARTS LIST.....	11-12
CORNER DETAILS.....	11
HARDWARE DETAILS.....	12

- CODES / STANDARDS USED:**
- 2023 FLORIDA BUILDING CODE (FBC), 8TH EDITION
 - 2020 FLORIDA BUILDING CODE (FBC), 7TH EDITION
 - ASTM E1300-09
 - ANSI/AF&PA NDS-2018 FOR WOOD CONSTRUCTION
 - ALUMINUM DESIGN MANUAL, ADM-2020
 - AISI S100-16
 - AISC 360-16

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"
B	#10 Steel SMS (G5) #10 410 S.S. SMS #10 18-8 S.S. SMS	P.T. Southern Pine (SG=0.55)	1/2"	1-3/8"
		Aluminum, 6063-T5*	5/16"	0.063"
		Steel, A36*	5/16"	0.063"
		Steel Stud, A653 Gr. 33*	5/16"	0.063"
	3/16" 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"
1/4" Ultracon+	UngROUTED CMU, (ASTM C-90)	1-1/16"	1-1/4"	
C	#12 Steel SMS (G5) #12 410 S.S. SMS #12 18-8 S.S. SMS	P.T. Southern Pine (SG=0.55)	9/16"	1-3/8"
		Aluminum, 6063-T5*	3/8"	0.071"
		Steel, A36*	3/8"	0.071"
	1/4" Ultracon+	Steel Stud, A653 Gr. 33*	3/8"	0.071" (14 Ga)
		P.T. Southern Pine (SG=0.55)	1"	1-3/8"
		Grouted CMU, (ASTM C-90)	1-1/8"	1-3/4"
		Concrete (min. 3 ksi)	1-1/4"	1-3/8"
1/4" 410 S.S. CreteFlex	Concrete (min. 3.35 ksi)	1"	1-3/4"	
	UngROUTED CMU, (ASTM C-90)	2-1/2"	1-1/4"	
	P.T. Southern Pine (SG=0.55)	1"	1-3/8"	
1/4" 18-8 S.S. Aggre-Gator	Concrete (min. 3.27 ksi)	1-1/2"	1-3/8"	
	UngROUTED CMU, (ASTM C-90)	4"	1-1/4"	
	Concrete (min. 3.35 ksi)	2-1/2"	1-3/8"	
D	1/4" Ultracon+	Concrete (min. 3 ksi)	2-1/2"	1-3/8"
	1/4" 410 S.S. CreteFlex	Concrete (min. 3.35 ksi)	2-1/2"	1-3/4"

- * MIN. OF 3 THREADS BEYOND THE METAL SUBSTRATE.
- UNROUTED CMU VALUES MAY BE USED FOR GROUTED CMU APPLICATIONS.
- ANY ANCHOR FROM THE ABOVE TABLE IS ACCEPTABLE TO BE USED ALONG A DOOR JAMB, REGARDLESS OF ANCHOR GROUP CHOSEN.
- SEE ANCHOR/SUBSTRATE MATERIAL PROPERTIES ON SHEET 11 FOR Fy & Fu.

TABLE 2:

Type #	Description	Where Used:
1	1-3/16" Lami. IG (1/8" T - 11/16" Air - 1/8" ANN - .090" PVB - 1/8" ANN)	Door
2	1-3/16" Lami. IG (3/16" T - 5/8" Air - 1/8" ANN - .090" PVB - 1/8" ANN)	Door
3	1-3/16" Lami. IG (1/8" T - 9/16" Air - 3/16" ANN - .090" SG - 3/16" ANN)	Sidelite/Transom
4	1-3/16" Lami. IG (3/16" T - 1/2" Air - 3/16" ANN - .090" SG - 3/16" ANN)	Sidelite/Transom
5	1-3/16" Lami. IG (1/8" T - 9/16" Air - 3/16" ANN - .090" PVB - 3/16" ANN)	Sidelite/Transom
6	1-3/16" Lami. IG (3/16" T - 1/2" Air - 3/16" ANN - .090" PVB - 3/16" ANN)	Sidelite/Transom
7	7/16" Lami. (3/16" ANN - .090" PVB - 3/16" ANN)	Door/Sidelite/Transom

"ANN" = ANNEALED
 "T" = TEMPERED
 "PVB" = .090" TROSIFOL® PVB INTERLAYER BY KURARAY AMERICA, INC.
 "SG" = .090" SENTRYGLAS® INTERLAYER BY KURARAY AMERICA, INC.
 SEE SHEET 3 FOR SPACER INFORMATION.

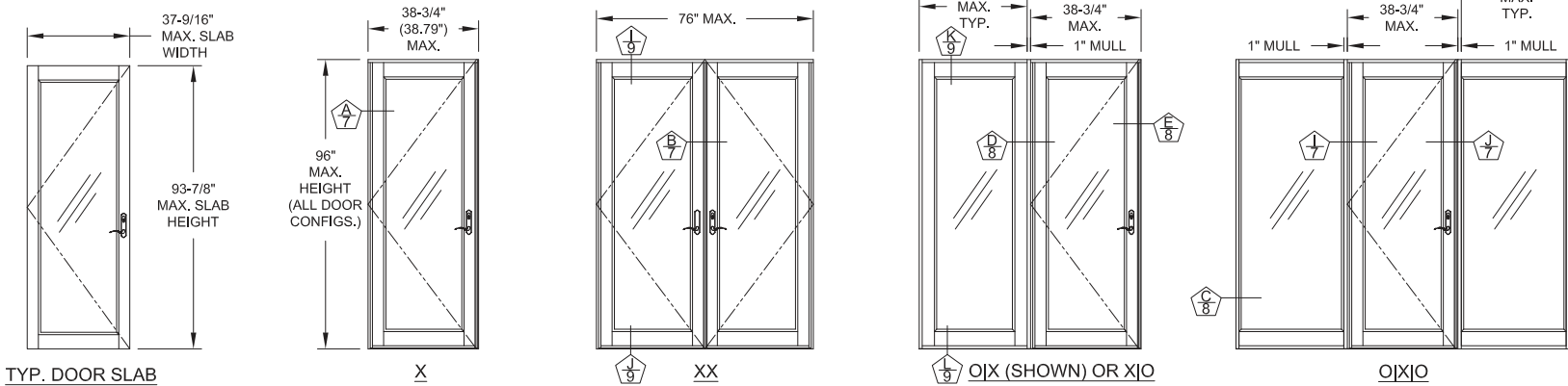
PRODUCT RENEWED
 as complying with the Florida
 Building Code
NOA-No. 23-0717.03
 Expiration Date **01/23/2029**
 By *Anthony L. Miller*
Miami-Dade Product Control

UPDATED TO 2023
 BUILDING CODE.
 ULTRACONS REMOVED
 FROM TABLE 1.
 JR - 07/06/23

PREPARED BY A. LYNN MILLER 1070 TECHNOLOGY DRIVE N. VENICE, FL 34275 (941) 480-1600	REGISTRATION #20296 10/05/15	JENS ROSOWSKI MD-7700.1	E
	VINYL FRENCH DOOR & SLT/TRSM (LM) GENERAL NOTES		1 OF 12

ANTHONY LYNN MILLER
 LICENSE
 No. 58705
 07/09/23
 STATE OF
 FLORIDA
 PROFESSIONAL ENGINEER
 A. LYNN MILLER, P.E.
 P.E.# 58705

EXAMPLE CONFIGURATIONS



TYP. DOOR SLAB

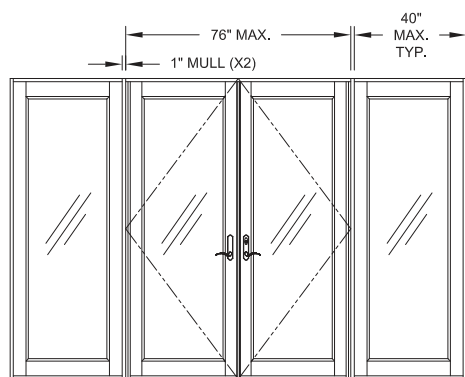
X

XX

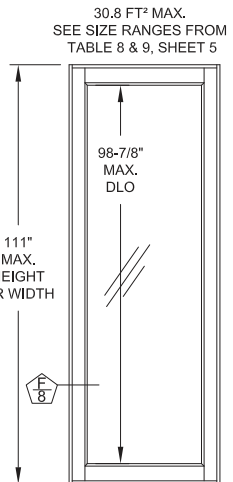
O|X (SHOWN) OR X|O
(WIDE STILES AND WIDE RAILS SHOWN ON SIDELITES)

O|X|O
(NARROW STILES AND WIDE RAILS SHOWN ON SIDELITES)

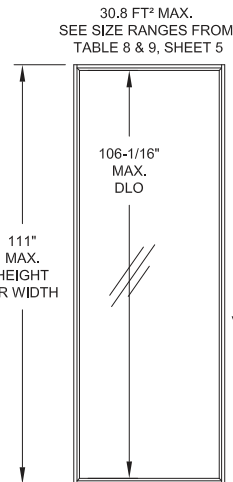
DETAIL SHEET #



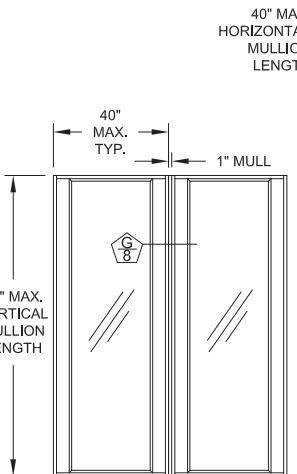
O|XX|O
(WIDE STILES AND WIDE RAILS SHOWN ON SIDELITES)



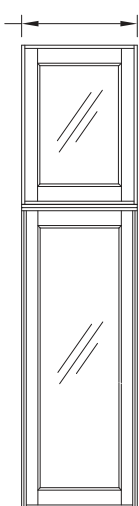
SINGLE O
(WIDE STILES AND WIDE RAILS SHOWN ON SIDELITES)



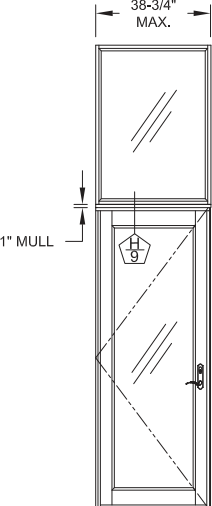
SINGLE O
(NARROW STILES AND NARROW RAILS SHOWN ON SIDELITES)



O|O (MAXIMUM OF 2 MULLED SIDELITES)
(WIDE STILES AND NARROW RAILS SHOWN ON SIDELITES)



O|O WITH HORIZONTAL MULLION
(WIDE STILES AND WIDE RAILS SHOWN ON SIDELITE & TRANSOM)



O|X WITH HORIZONTAL MULLION
(NARROW STILES AND NARROW RAILS SHOWN ON TRANSOM)

- NOTES:
- 1) SINGLE DOORS MAY BE LEFT OR RIGHT-HANDED.
 - 2) MULLIONS SHOWN ARE STANDARD 1" FRENCH DOOR MULLIONS PER THIS NOA.
 - 3) MULLED CONFIGURATIONS NOT SHOWN MAY BE POSSIBLE USING OTHER MULLION TYPES. SEE SEPARATE NOA.
 - 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 SL/TR OR MULLED ASSEMBLY.
 - 6) ADDITIONAL CONFIGURATIONS USING THE 1" FRENCH DOOR MULLION ARE POSSIBLE. USE THE ABOVE DRAWINGS AS A REFERENCE FOR SIZE LIMITATIONS.

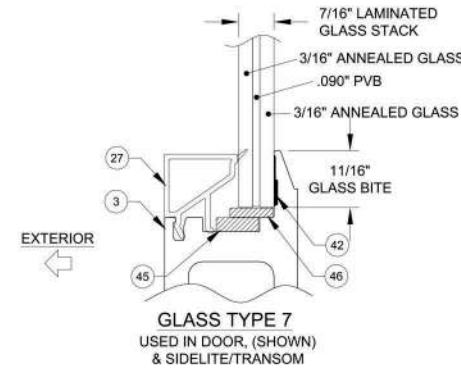
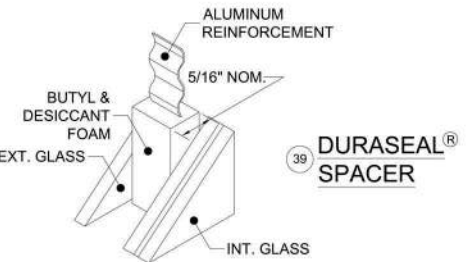
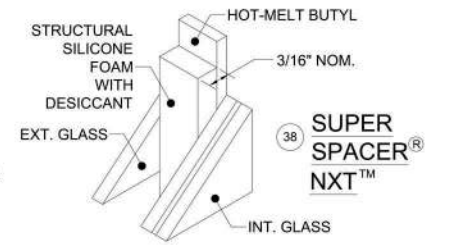
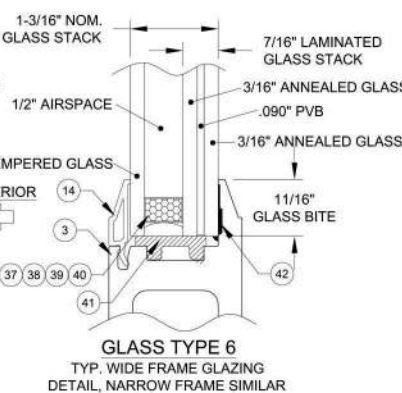
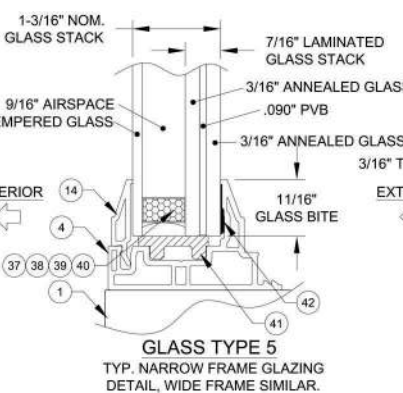
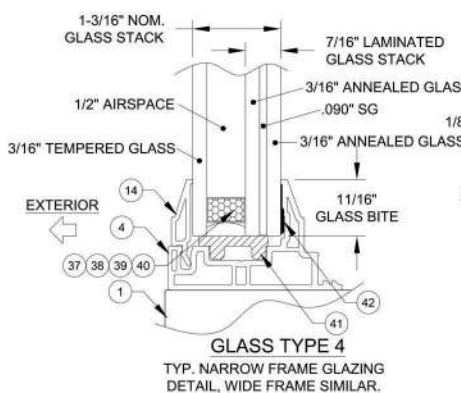
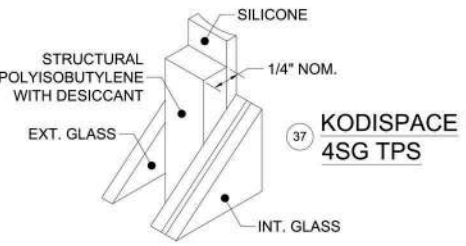
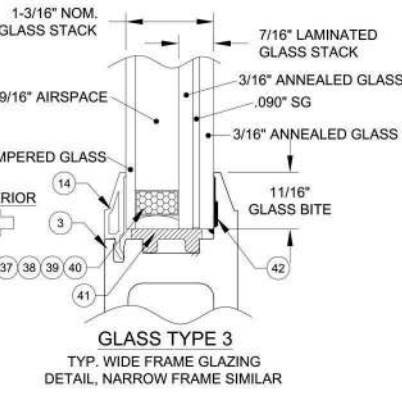
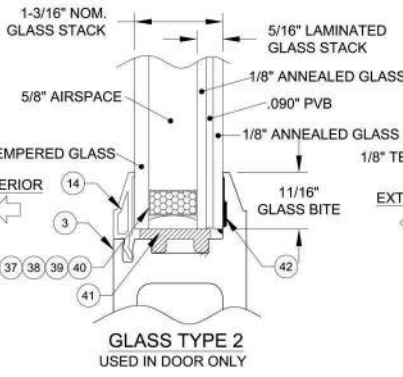
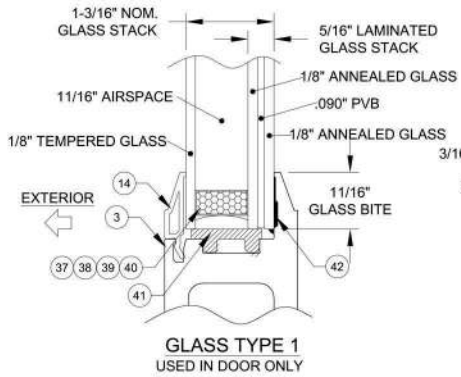
PRODUCT RENEWED
as complying with the Florida
Building Code
NOA-No. **23-0717.03**
Expiration Date **01/23/2029**
By *Iskay I. Zhanin*
Miami-Dade Product Control

UPDATED TO 2023
BUILDING CODE.
Revision: JR - 07/06/23

PREPARED BY A. LYNN MILLER 1070 TECHNOLOGY DRIVE N. VENICE, FL 34275 Impact Resistant Windows & Doors 3780 W. 104TH STREET HALEAH, FL 33018 (305) 593-6590	REGISTRATION #29296	Date 10/05/15	Rev. E
	VINYL FRENCH DOOR & SLT/TRSM (LM)	Drawn By JENS ROSOWSKI	No. MD-7700.1
Series FD-7700	Desc. EXAMPLE CONFIGURATIONS	Sheet 2 OF 12	DWG

ANTHONY LYNN MILLER
LICENSE
No. 58705
A. Lynn Miller
7/09/23
STATE OF FLORIDA
PROFESSIONAL ENGINEER
A. LYNN MILLER, P.E.
P.E.# 58705

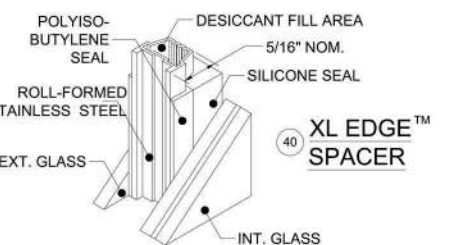
GLAZING DETAILS



"PVB" = .090" TROSIFOL® PVB BY KURARAY AMERICA, INC.
 "SG" = .090" SENTRYGLAS® INTERLAYER BY KURARAY AMERICA, INC.

Part #	Description	Material
37	Kommerling 4SG TPS Spacer System	See this Sheet for Materials
38	Quanex Super Spacer nXT with Hot Melt Butyl	
39	Quanex Duraseal Spacer	
40	Cardinal XL Edge Spacer	

REFERENCE TEST REPORTS: FTL-8717, 8968 & 8970



PRODUCT RENEWED
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By *Isling I. Chan*
 Miami-Dade Product Control

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 JR - 07/06/23

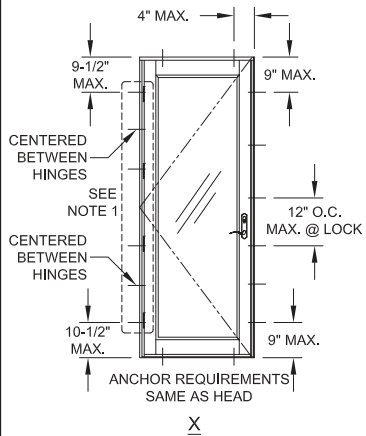
Prepared by A. LYNN MILLER
 1070 TECHNOLOGY DRIVE
 N. VENICE, FL 34275
 (941) 480-1600
 REGISTRATION #29296

Impact Resistant Windows & Doors
 3780 W. 104TH STREET
 HIALEAH, FL 33018
 (305) 593-6590

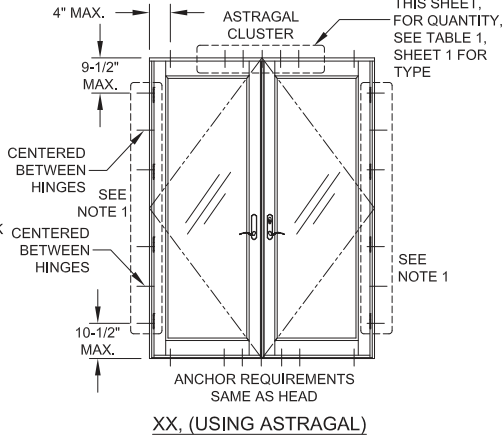
VINYL FRENCH DOOR & SLD/TTRSM (LM)
 10/05/15
 JENS ROSOWSKI
 3 OF 12
 MD-7700.1
 E

ANTHONY LYNN MILLER
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 07/09/23
 STATE OF FLORIDA
 PROFESSIONAL ENGINEER
 A. LYNN MILLER, P.E.
 P.E.# 58705

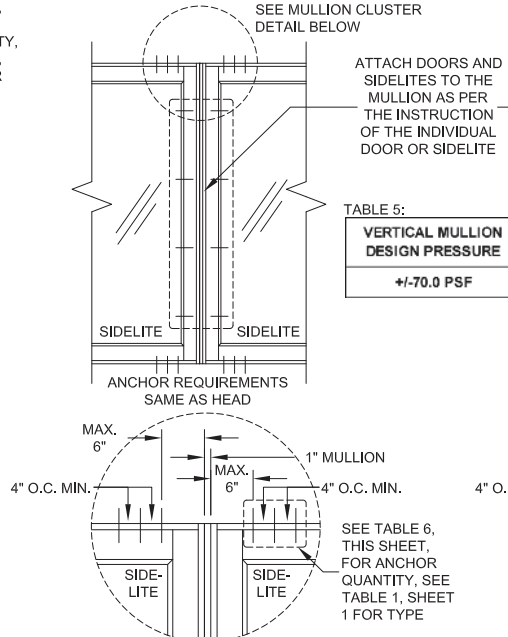
SINGLE DOOR INSTALLATION (X)



DOUBLE DOOR INSTALLATION (XX)



SIDELITE-TO-SIDELITE MULLION INSTALLATION (O|O)



SIDELITE-TO-DOOR MULLION INSTALLATION (X|O, O|X, X|X, O|X|O, X|O|X, O|XX|O, ETC)

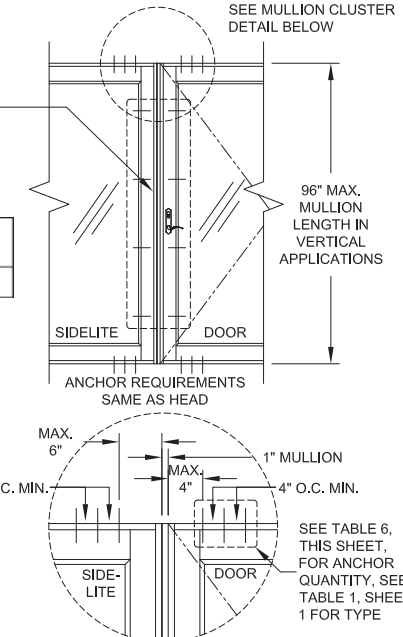


TABLE 3: X & XX Door: Design Pressure

+/-50.0 PSF	Glass Type 1
+/-70.0 PSF	Glass Types 2 & 7

TABLE 4: XX Door: Astragal Cluster Anchors Required @ Head & Sill

Door Height (in)	Door Width (in)							
	48		60		72		76	
Anchor Group	A-D	A&B	C&D	A&B	C&D	A&B	C	D
80	4	4	4	5	4	5	4	4
96	4	5	4	6	4	6	5	4

TABLE 6: Anchors Required for a Vertical Mullion (each mullion end)

Mullion Height (in)	Door or Sidelite/Transom Width (in)											
	12		24		32		38-3/4		40			
Anchor Group	A-D	A-C	A-B	A-B	A-B	A-B	A-B	A-B	A-B	A-B	A-B	A-B
Door	N/A	2	1	2	2	1	3	2	1	N/A	N/A	N/A
SL/TR	1	2	1	2	2	1	3	2	1	3	2	1
Door	N/A	2	1	3	2	1	3	3	2	N/A	N/A	N/A
SL/TR	1	2	1	3	2	1	3	3	2	3	3	2

FOR "O|X|O" AND SIMILAR CONFIGURATIONS CONTAINING A DOUBLE DOOR (XX), USE ONLY HALF OF THE FRAME WIDTH OF THE DOUBLE DOOR WHEN USING THIS TABLE.

TRANSOM-TO-DOOR (X/O) OR TRANSOM-TO-SIDELITE (O/O) MULLION ATTACHMENT & INSTALLATION

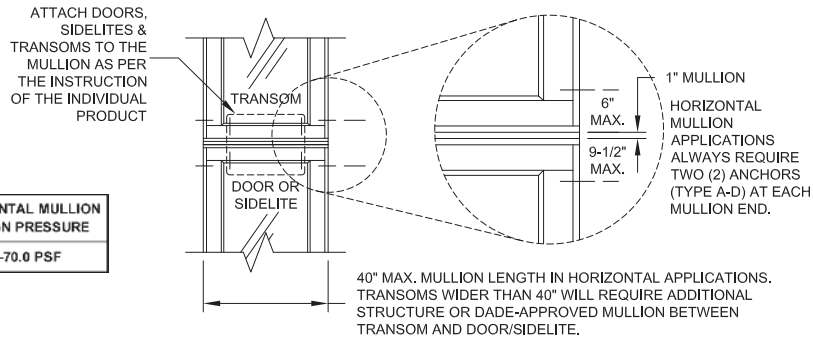


TABLE 7: HORIZONTAL MULLION DESIGN PRESSURE

+/-70.0 PSF

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 SMS 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 "X|O" CONFIGURATION, THE DP FOR THE DOOR, THE MULLION AND THE SIDELITE 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) MULLED CONFIGURATIONS NOT SHOWN MAY BE POSSIBLE USING OTHER MULLION TYPES, SEE SEPARATE NOA. 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 SIDELITE/TRANSOM OR MULLED ASSEMBLY.
 6) FOR SIZES NOT SHOWN, ROUND UP TO THE NEXT AVAILABLE SHORT OR LONG DIMENSION.

PRODUCT RENEWED as complying with the Florida Building Code
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 Expiration Date **01/23/2029**
 By *Ishay I. Chank*
Miami-Dade Product Control

UPDATED TO 2023 BUILDING CODE.

JR - 07/06/23

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

DATE: 10/05/15
 DRAWN BY: JENS ROSOWSKI
 NO. MD-7700.1
 REV. E

IMPACT RESISTANT Windows & Doors
 3780 W. 104TH STREET
 HIALEAH, FL 33018
 (305) 593-6590

VINYL FRENCH DOOR & SLT/TRSM (LM)
 DESIGN PRESSURE 1
 FD-7700
 4 OF 12
 SHEET

ANTHONY LYNN MILLER
 LICENSE
 No. 58705
 07/09/23
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 PROFESSIONAL ENGINEER
 A. LYNN MILLER, P.E.
 P.E.# 58705

TABLE 8:

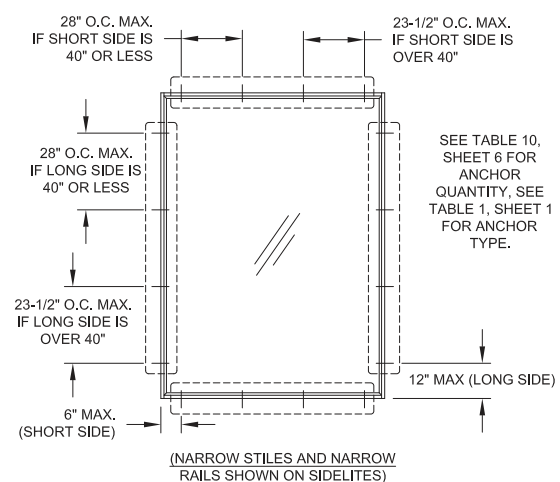
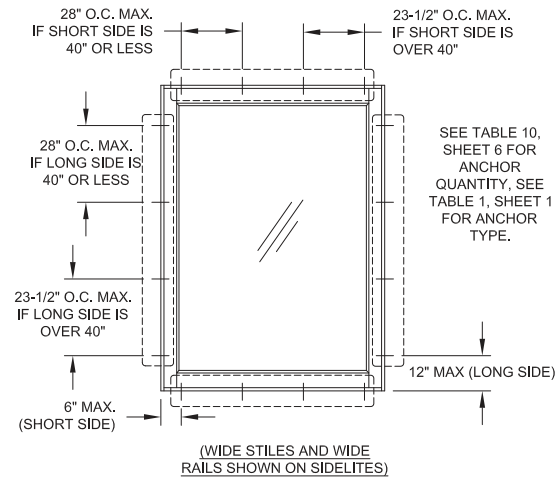
		Sidelite/Transom Design Pressure (+/-, psf) for Glass Types 3 & 4															
		Long Side (in)															
		63-3/16	66-5/8	68	70	72	76	78	82	84	88	92	96	98	104	108	111
Short Side (in)	24	+/-70	+/-70	+/-70	+/-70	+/-70	+/-70	+/-70	+/-70	+/-70	+/-70	+/-70	+/-70	+/-70	+/-70	+/-70	+/-70
	28	+/-70	+/-70	+/-70	+/-70	+/-70	+/-70	+/-70	+/-70	+/-70	+/-70	+/-70	+/-70	+/-70	+/-70	+/-70	+/-70
	32	+/-70	+/-70	+/-70	+/-70	+/-70	+/-70	+/-70	+/-70	+/-70	+/-70	+/-70	+/-70	+/-70	+/-70	+/-70	+/-70
	36	+/-70	+/-70	+/-70	+/-70	+/-70	+/-70	+/-70	+/-70	+/-70	+/-70	+/-70	+/-70	+/-70	+/-70	+/-70	+/-70
	38-3/4	+/-70	+/-70	+/-70	+/-70	+/-70	+/-70	+/-70	+/-70	+/-70	+/-70	+/-70	+/-70	+/-70	+/-70	+/-70	+/-70
	40	+/-70	+/-70	+/-70	+/-70	+/-70	+/-70	+/-70	+/-70	+/-70	+/-70	+/-70	+/-70	+/-70	+/-70	+/-70	+/-70
	42	+/-70	+/-70	+/-70	+/-70	+/-70	+/-70	+/-70	+/-70	+/-70	+/-70	+/-70	+/-70	+/-70	+/-69.6	+/-68.5	
	44	+/-70	+/-70	+/-70	+/-70	+/-70	+/-70	+/-70	+/-70	+/-70	+/-69.6	+/-68.6	+/-67.7	+/-67.3			
	46	+/-70	+/-70	+/-70	+/-70	+/-70	+/-70	+/-70	+/-69.4	+/-68.7	+/-67.6	+/-66.5	+/-65.6				
	48	+/-70	+/-70	+/-70	+/-70	+/-70	+/-70	+/-69.9	+/-69.1	+/-67.6	+/-66.7	+/-65.8	+/-64.7				
	50	+/-70	+/-70	+/-70	+/-70	+/-70	+/-68.4	+/-67.6	+/-66	+/-65.4	+/-64.1						
	52	+/-70	+/-70	+/-70	+/-70	+/-69.1	+/-67.1	+/-66.2	+/-64.6	+/-63.9							
	54	+/-70	+/-70	+/-70	+/-69.2	+/-68	+/-65.9	+/-65	+/-63.4								
	56	+/-70	+/-70	+/-69.7	+/-68.3	+/-67.1	+/-64.9	+/-63.9									
	58	+/-70	+/-70	+/-69	+/-67.6	+/-66.3	+/-64										
	60	+/-70	+/-69.6	+/-68.5	+/-67	+/-65.6											
	62	+/-70	+/-69.2	+/-68	+/-66.5												
	63-3/16	+/-70	+/-69.1	+/-67.9	+/-66.2												
66-5/8	+/-69.1	+/-68.9															

TABLE 9:

		Sidelite/Transom Design Pressure, psf for Glass Types 5, 6 & 7															
		Long Side (in)															
		63-3/16	66-5/8	68	70	72	76	78	82	84	88	92	96	98	104	108	111
Short Side (in)	24	+/-70	+/-70	+/-70	+/-70	+/-70	+/-70	+/-70	+/-70	+/-70	+/-70	+/-70	+/-70	+/-70	+/-70	+/-70	+/-70
	28	+/-70	+/-70	+/-70	+/-70	+/-70	+/-70	+/-70	+/-70	+/-70	+/-70	+/-70	+/-70	+/-70	+/-70	+/-70	+/-70
	32	+/-70	+/-70	+/-70	+/-70	+/-70	+/-70	+/-70	+/-70	+/-70	+/-70	+/-70	+/-70	+/-70	+/-70	+/-70	+/-70
	36	+/-70	+/-70	+/-70	+/-70	+/-70	+/-70	+/-70	+/-70	+/-70	+/-70	+/-70	+/-70	+/-70	+/-70	+/-70	+/-70
	38-3/4	+/-70	+/-70	+/-70	+/-70	+/-70	+/-70	+/-70	+/-70	+/-70	+/-70	+/-69.9	+/-69	+/-68.3	+/-67.9		
	40	+/-70	+/-70	+/-70	+/-70	+/-70	+/-70	+/-70	+/-69.8	+/-69.3	+/-68.3	+/-67.4	+/-66.7	+/-66.3			
	42	+/-70	+/-70	+/-70	+/-70	+/-70	+/-69.5	+/-68.8	+/-67.6	+/-67	+/-66	+/-65.1					
	44	+/-70	+/-70	+/-70	+/-70	+/-69.1	+/-67.5	+/-66.8	+/-65.6	+/-65	+/-64						
	46	+/-70	+/-70	+/-69.4	+/-68.4	+/-67.4	+/-65.8	+/-65.1	+/-63.8	+/-63.2							
	48	+/-70	+/-68.8	+/-68	+/-66.9	+/-66	+/-64.3	+/-63.5	+/-62.2								
	50	+/-69.9	+/-67.6	+/-66.8	+/-65.7	+/-64.7	+/-62.9	+/-62.1									
	52	+/-69	+/-66.6	+/-65.7	+/-64.6	+/-63.6	+/-61.7										
	54	+/-68.3	+/-65.7	+/-64.8	+/-63.6	+/-62.6											
	56	+/-67.7	+/-65	+/-64.1	+/-62.8												
	58	+/-67.3	+/-64.5	+/-63.5													
	60	+/-67															
	62	+/-66.9															
	63-3/16	+/-66.8															

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

SIDELITE/TRANSOM INSTALLATION (O)



PRODUCT RENEWED
 as complying with the Florida
 Building Code
 NOA-No. **23-0717.03**
 Expiration Date **01/23/2029**
 By *Shang L. Chan*
Miami-Dade Product Control

UPDATED TO 2023
 BUILDING CODE.
 Revision: JR - 07/06/23

PREPARED BY A. LYNN MILLER 1070 TECHNOLOGY DRIVE N. VENICE, FL 34275 REGISTRATION #29296 (941) 480-1600	Date	10/05/15
	By	JENS ROSOWSKI
Impact Resistant Windows & Doors 3780 W. 104TH STREET HIALEAH, FL 33016 (305) 593-6590	DMG	5 OF 12
	Sheet	FD-7700
VINYL FRENCH DOOR & SIDLITRSM (LM) DESIGN PRESSURE 2	No.	MD-7700.1
Series Desc. Title	Rev.	E

ANTHONY LYNN MILLER
 LICENSE
 No. 58705
 07/09/23
 STATE OF FLORIDA
 PROFESSIONAL ENGINEER
 A. LYNN MILLER, P.E.
 P.E.# 58705

TABLE 10:

		Sidelite/Transom Anchor Quantity																													
		Long Side (in)																													
		63-3/16		66-5/8		68		70		72		76		78		82		84		88		92		96		98		104		108	
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	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	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	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
24	Short Side	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	
	Long Side	4	4	4	4	4	4	4	4	4	4	4	4	4	4	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	
28	Short Side	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	
	Long Side	4	4	4	4	4	4	4	4	4	4	4	4	4	5	4	5	4	5	4	5	5	5	5	5	5	5	5	5	5	
32	Short Side	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	
	Long Side	4	4	4	4	4	4	4	4	4	4	4	4	4	5	4	5	4	5	4	5	4	5	4	5	4	5	4	5	4	
36	Short Side	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	
	Long Side	4	4	5	4	5	4	5	4	5	4	5	4	5	4	5	4	6	4	6	4	6	5	6	5	7	5	7	6	8	
38-3/4	Short Side	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	
	Long Side	4	4	5	4	5	4	5	4	5	4	6	4	6	4	6	5	7	5	7	5	7	5	8	5	8	5	8	6	9	
40	Short Side	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	
	Long Side	4	4	5	4	5	4	5	4	5	4	6	4	6	4	6	4	6	4	6	4	6	4	6	4	6	4	6	4	6	
42	Short Side	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	
	Long Side	5	4	5	4	5	4	5	4	5	4	6	4	6	4	6	4	6	4	7	5	7	5	7	5	8	5	8	5	8	
44	Short Side	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	
	Long Side	5	4	5	4	5	4	5	4	6	4	6	4	6	4	7	4	7	5	7	5	7	5	8	5	8	5	8	5	8	
46	Short Side	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	
	Long Side	5	4	5	4	5	4	6	4	6	4	6	4	6	4	7	4	7	5	7	5	7	5	8	5	8	5	8	5	8	
48	Short Side	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	
	Long Side	5	4	5	4	5	4	6	4	6	4	6	4	6	4	7	4	7	5	7	5	7	5	8	5	8	5	8	5	8	
50	Short Side	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	
	Long Side	5	4	5	4	5	4	6	4	6	4	6	4	6	4	7	4	7	5	7	5	7	5	8	5	8	5	8	5	8	
52	Short Side	4	3	4	3	4	3	4	3	4	3	4	3	4	3	4	3	4	3	4	3	4	3	4	3	4	3	4	3	4	
	Long Side	5	4	5	4	6	4	6	4	6	4	6	4	6	4	7	4	7	5	7	5	7	5	8	5	8	5	8	5	8	
54	Short Side	4	3	4	3	4	3	4	3	4	3	4	3	4	3	4	3	4	3	4	3	4	3	4	3	4	3	4	3	4	
	Long Side	5	4	5	4	6	4	6	4	6	4	6	4	6	4	7	4	7	5	7	5	7	5	8	5	8	5	8	5	8	
56	Short Side	4	3	4	3	4	3	4	3	4	3	4	3	4	3	4	3	4	3	4	3	4	3	4	3	4	3	4	3	4	
	Long Side	5	4	6	4	6	4	6	4	6	4	6	4	6	4	6	4	6	4	6	4	6	4	6	4	6	4	6	4	6	
58	Short Side	4	3	4	3	4	3	4	3	4	3	4	3	4	3	4	3	4	3	4	3	4	3	4	3	4	3	4	3	4	
	Long Side	5	4	6	4	6	4	6	4	6	4	6	4	6	4	6	4	6	4	6	4	6	4	6	4	6	4	6	4	6	
60	Short Side	5	4	5	4	5	4	5	4	5	4	5	4	5	4	5	4	5	4	5	4	5	4	5	4	5	4	5	4	5	
	Long Side	5	4	6	4	6	4	6	4	6	4	6	4	6	4	6	4	6	4	6	4	6	4	6	4	6	4	6	4	6	
62	Short Side	5	4	5	4	5	4	5	4	5	4	5	4	5	4	5	4	5	4	5	4	5	4	5	4	5	4	5	4	5	
	Long Side	5	4	6	4	6	4	6	4	6	4	6	4	6	4	6	4	6	4	6	4	6	4	6	4	6	4	6	4	6	
63-3/16	Short Side	5	4	5	4	5	4	5	4	5	4	5	4	5	4	5	4	5	4	5	4	5	4	5	4	5	4	5	4	5	
	Long Side	5	4	6	4	6	4	6	4	6	4	6	4	6	4	6	4	6	4	6	4	6	4	6	4	6	4	6	4	6	
66-5/8	Short Side	5	4	6	4	6	4	6	4	6	4	6	4	6	4	6	4	6	4	6	4	6	4	6	4	6	4	6	4	6	
	Long Side	6	4	6	4	6	4	6	4	6	4	6	4	6	4	6	4	6	4	6	4	6	4	6	4	6	4	6	4	6	

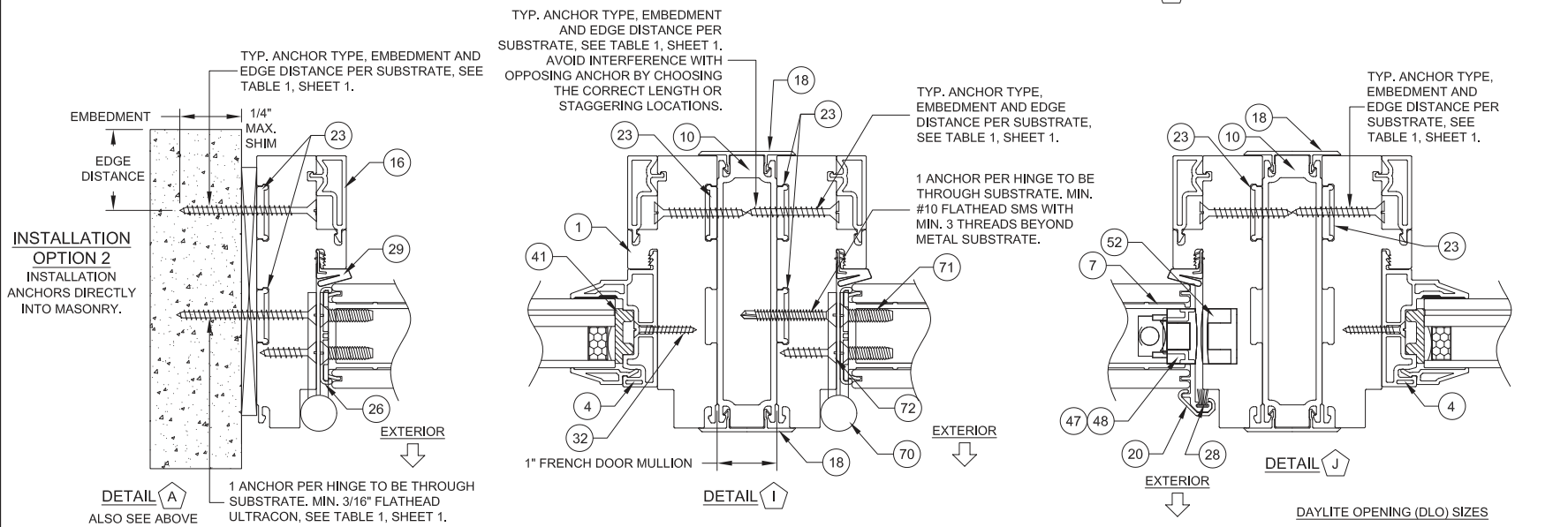
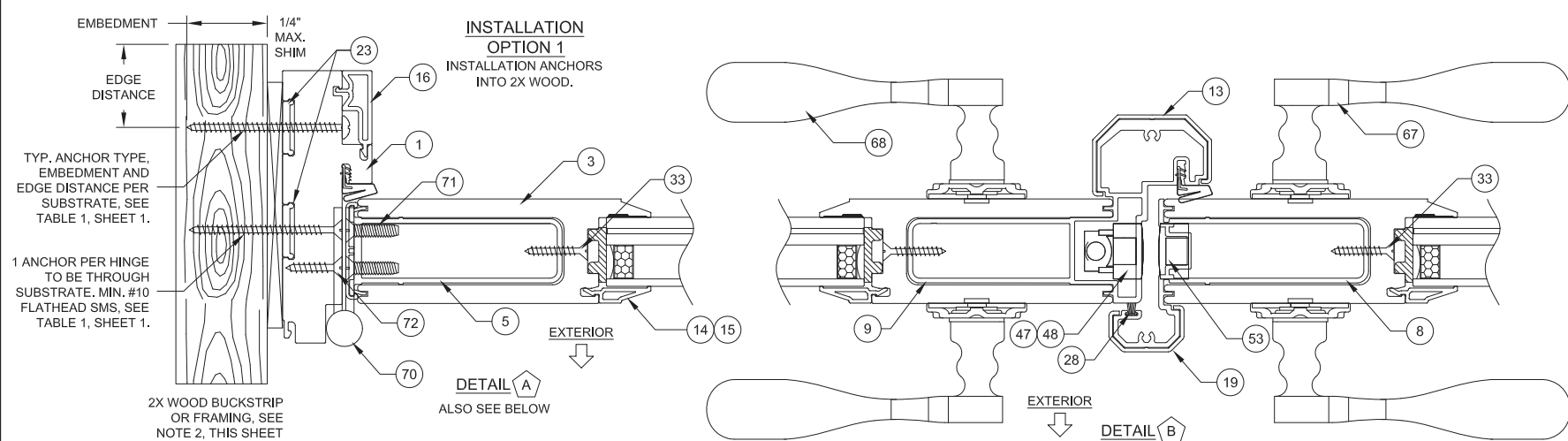
NOTES:
 1) NARROW OR WIDE STILES AND RAILS MAY BE MIXED WITHIN THE SAME SIDELITE/TRANSOM OR MULLED ASSEMBLY.
 2) SIDELITE/TRANSOM MAY BE A SINGLE, STAND-ALONE UNIT.
 3) FOR SIZES NOT SHOWN, ROUND UP TO THE NEXT AVAILABLE SHORT OR LONG DIMENSION.

PRODUCT RENEWED
 as complying with the Florida
 Building Code
 NOA-No. **23-0717.03**
 Expiration Date **01/23/2029**
 By *Isang I. Chan*
Miami-Dade Product Control

UPDATED TO 2023
 BUILDING CODE.
 JR - 07/06/23

 PREPARED BY A. LYNN MILLER 1070 TECHNOLOGY DRIVE N. VENICE, FL 34275 (941) 480-1600	REGISTRATION #29296 10/05/15	JENS ROSOWSKI 10/05/15	E
	VINYL FRENCH DOOR & SLT/TRMS (LM)	JENS ROSOWSKI	MD-7700.1
3780 W 104TH STREET HIALEAH, FL 33016 (305) 593-6590	6 OF 12	6 OF 12	6 OF 12
FD-7700	6 OF 12	6 OF 12	6 OF 12


 ANTHONY LYNN MILLER
 LICENSE
 No. 58705
 07/09/23
 STATE OF FLORIDA
 PROFESSIONAL ENGINEER
 A. LYNN MILLER, P.E.
 P.E.# 58705



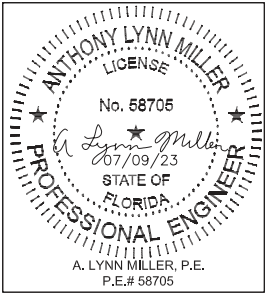
INSTALLATION NOTES:

- 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.

PRODUCT RENEWED
 as complying with the Florida
 Building Code
 NOA-No. **23-0717.03**
 Expiration Date **01/23/2029**
 By *Ishay I. Zhanh*
 Miami-Dade Product Control

UPDATED TO 2023
 BUILDING CODE.
 Revision: JR - 07/06/23

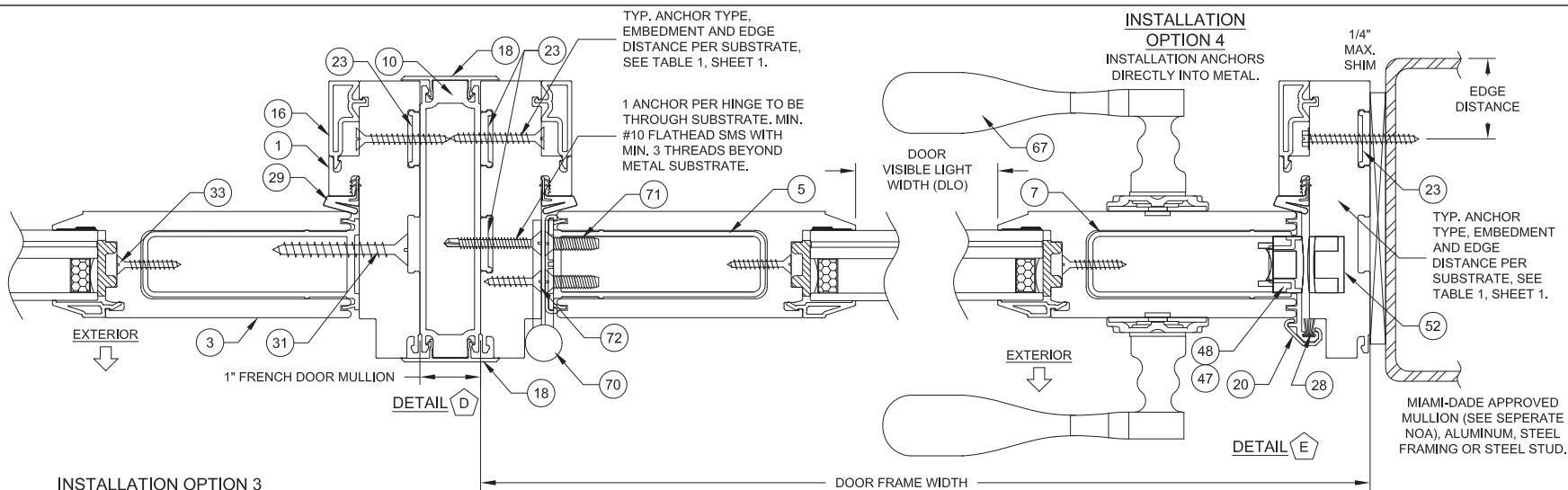
PREPARED BY A. LYNN MILLER 1070 TECHNOLOGY DRIVE N. VENICE, FL 34275 (941) 480-1600 REGISTRATION #29296	Date	10/05/15	Rev.	E
	Drawn By	JENS ROSOWSKI	DWG No.	MD-7700.1
Impact Resistant Windows & Doors 3780 W. 104TH STREET HIALEAH, FL 33016 (305) 593-6590	Title	VINYL FRENCH DOOR & SLT/TRMS (LM)	Sheet	7 OF 12
	Series	INSTALLATION 1	Series	FD-7700



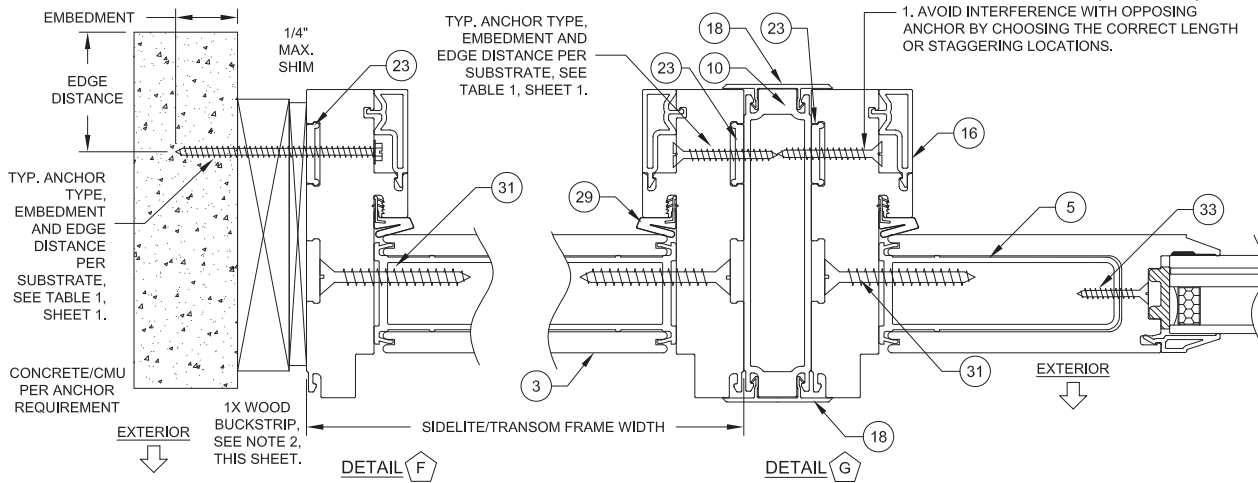
DAYLITE OPENING (DLO) SIZES

WHEN USING PART # 3: (WIDE RAILS OR STILES)
 X DOOR FRAME HEIGHT - 12.1 = DLO HEIGHT
 X DOOR FRAME WIDTH - 12.3 = DLO WIDTH
 (XX DOOR FRAME HEIGHT) - 12.1 = DLO HEIGHT
 (XX DOOR FRAME WIDTH / 2) - 11.5 = DLO WIDTH
 SLT/TR FRAME HEIGHT - 12.1 = DLO HEIGHT
 SLT/TR FRAME WIDTH - 12.1 = DLO WIDTH

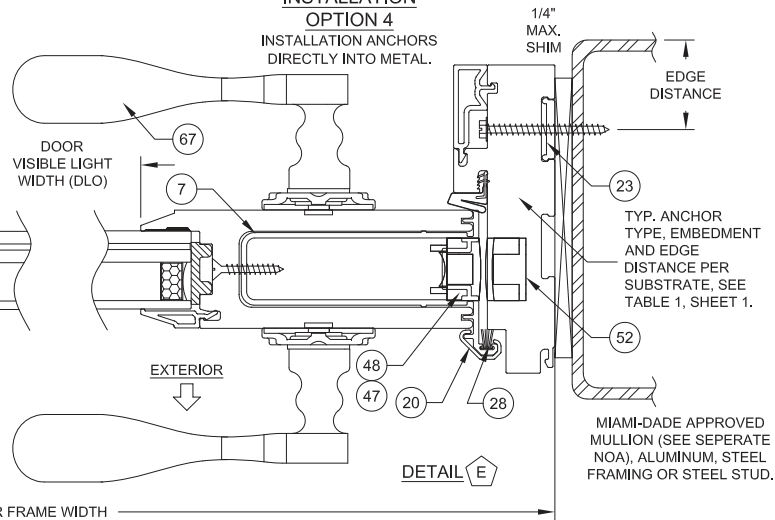
WHEN USING PART # 4: (NARROW RAILS OR STILES)
 SLT/TR FRAME HEIGHT - 4.9 = DLO HEIGHT
 SLT/TR FRAME WIDTH - 4.9 = DLO WIDTH



INSTALLATION OPTION 3
INSTALLATION ANCHORS THROUGH
1X BUCKSTRIP INTO MASONRY.

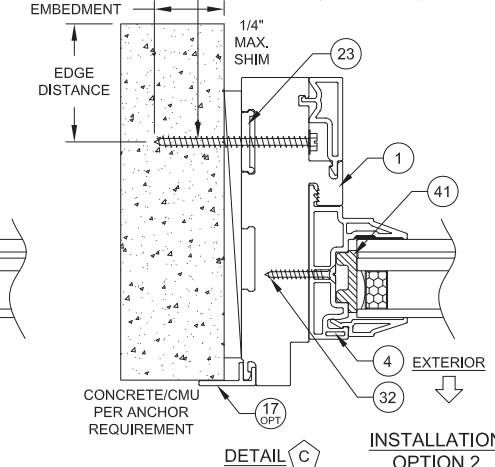


**INSTALLATION
OPTION 4**
INSTALLATION ANCHORS
DIRECTLY INTO METAL.



TYP. ANCHOR TYPE, EMBEDMENT AND EDGE
DISTANCE PER SUBSTRATE, SEE TABLE 1, SHEET
1. AVOID INTERFERENCE WITH OPPOSING
ANCHOR BY CHOOSING THE CORRECT LENGTH
OR STAGGERING LOCATIONS.

TYP. ANCHOR TYPE, EMBEDMENT
AND EDGE DISTANCE PER
SUBSTRATE, SEE TABLE 1, SHEET 1.



**INSTALLATION
OPTION 2**
INSTALLATION ANCHORS
DIRECTLY INTO MASONRY.


INSTALLATION NOTES:

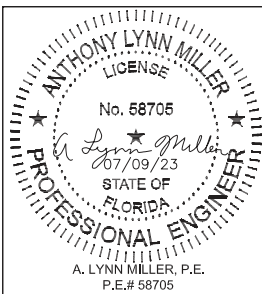
- 1) USE ONLY SUBSTRATE-APPROPRIATE ANCHORS LISTED ON TABLE 1, SHEET 1. FOLLOW EMBEDMENT AND EDGE DISTANCE LIMITS. ANY INSTALLATION OPTION SHOWN MAY BE USED ON ANY SIDE OF THE DOOR, SIDELITE OR TRANSOM.
- 2) WOOD BUCKS DEPICTED ON THIS SHEET AS "1X", ARE BUCKS WHOSE TOTAL THICKNESS IS LESS THAN 1-1/2". 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 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.

PRODUCT RENEWED
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NOA-No. **23-0717.03**
Expiration Date **01/23/2029**
By *Ishay L. Chankh*
Miami-Dade Product Control

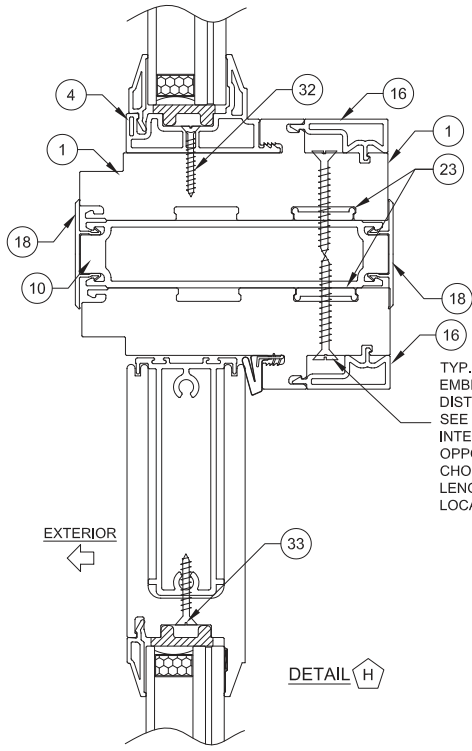
UPDATED TO 2023
BUILDING CODE.

JR - 07/06/23

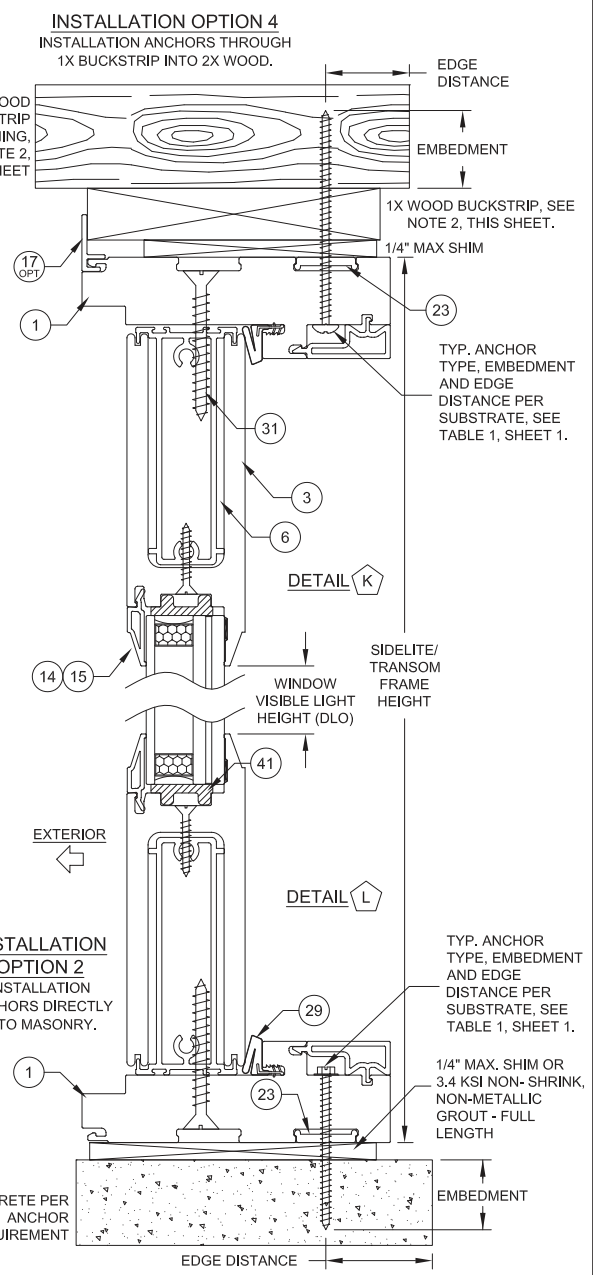
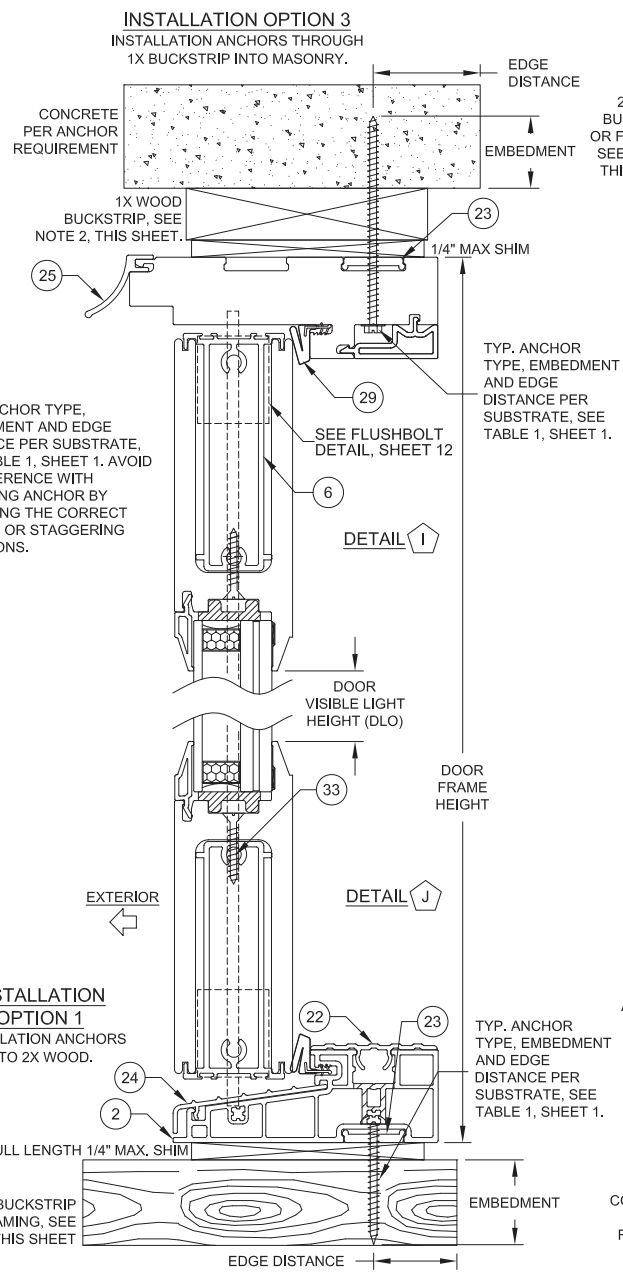
Impact Resistant Windows & Doors  3780 W. 104TH STREET HIALEAH, FL 33018 (305) 593-6590	PREPARED BY A. LYNN MILLER 1070 TECHNOLOGY DRIVE N. VENICE, FL 34275 (941) 480-1600 REGISTRATION #29296	Date 10/05/15	Rev. E
	Series FD-7700	Desc. INSTALLATION 2	Title VINYL FRENCH DOOR & SIDLITRSM (LM)
		Drawn By JENS ROSOWSKI	MD-7700.1



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



- 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.

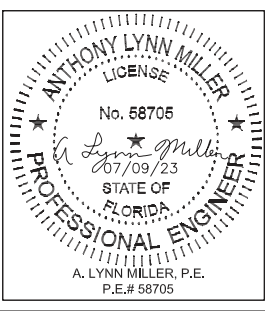


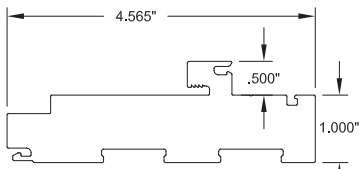
PRODUCT RENEWED
as complying with the Florida Building Code
NOA-No. **23-0717.03**
Expiration Date **01/23/2029**

By *Ishay I. Chank*
Miami-Dade Product Control

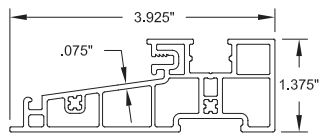
UPDATED TO 2023 BUILDING CODE.
Revision: JR - 07/06/23

Impact Resistant Windows & Doors 	PREPARED BY A. LYNN MILLER 1070 TECHNOLOGY DRIVE N. VENICE, FL 34275 (941) 480-1600 REGISTRATION #29296	10/05/15 Date	JENS ROSOWSKI By	MD-7700.1 Rev.
	3780 W. 104TH STREET HIALEAH, FL 33018 (305) 593-6590	VINYL FRENCH DOOR & SLD/TTRANS (LM) INSTALLATION 3	JENS ROSOWSKI Drawn	9 OF 12 Sheet No.

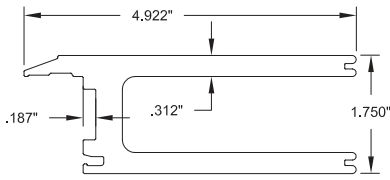




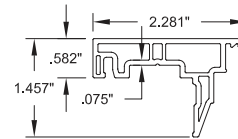
1 FRAME HEAD & JAMB
#20000, Rigid Cellular PVC



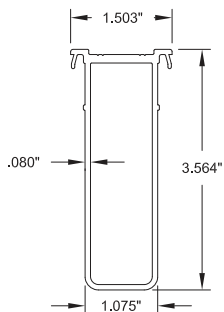
2 FRAME SILL
#20001, Rigid PVC



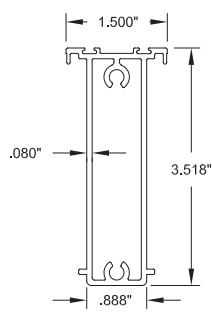
3 PANEL RAIL & STILE
#20002, Rigid Cellular PVC



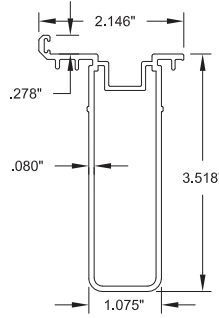
4 SIDELITE ADAPTER
#20003, Rigid PVC



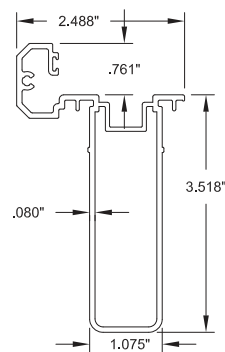
5 HINGE STILE REINFORCEMENT
#20013, 6063-T6



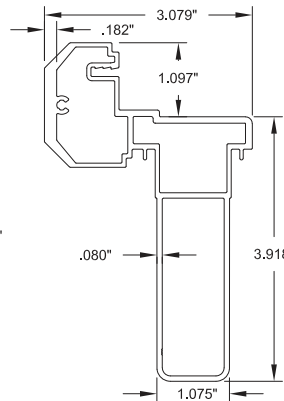
6 TOP & BOTTOM RAIL REINFORCEMENT
#20014, 6063-T6



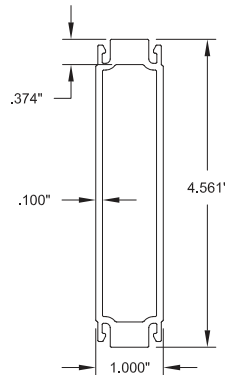
7 PANEL STILE REINFORCEMENT
#20015, 6063-T6



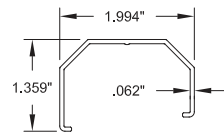
8 ACTIVE ASTRAGAL
#20016, 6063-T6



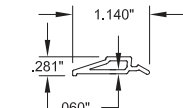
9 INACTIVE ASTRAGAL
#20017, 6063-T6



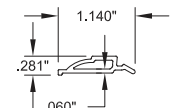
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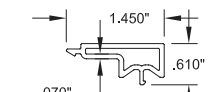
13 INACTIVE ASTRAGAL COVER
#20004, Rigid PVC



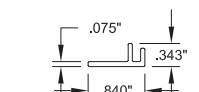
14 BEVELED BEAD
#20005, Rigid PVC



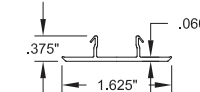
15 OGEE BEAD
#20006, Rigid PVC



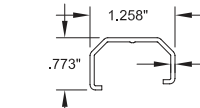
16 FRAME SCREW COVER
#20007, Rigid PVC



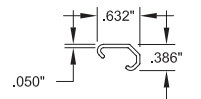
17 ADD-ON FIN/FLANGE
#20008, Rigid PVC



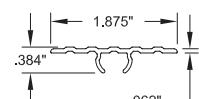
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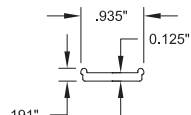
19 ACTIVE ASTRAGAL COVER
#20011, Rigid PVC



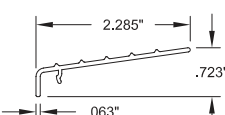
20 SINGLE DOOR ASTRAGAL COVER
#20012, Rigid PVC



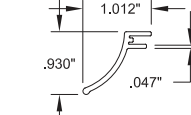
22 THRESHOLD COVER
#20057, 6063-T5



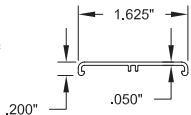
23 ANCHOR PLATE
#19031, 6063-T6



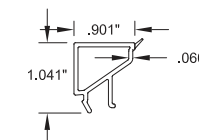
24 THRESHOLD CAP
#20020, 6063-T6



25 DRIP CAP
#20021, 6063-T6



26 HINGE TRIM COVER
#20023, Rigid PVC



27 7/16\"/>

PRODUCT RENEWED
as complying with the Florida
Building Code
NOA-No. **23-0717.03**
Expiration Date **01/23/2029**
By *Iskay I. Chanik*
Miami-Dade Product Control

UPDATED TO 2023
BUILDING CODE.
Revision: JR - 07/06/23

PREPARED BY A. LYNN MILLER 1070 TECHNOLOGY DRIVE N. VENICE, FL 34275 (941) 480-1600 REGISTRATION #29296	Date 10/05/15	Rev. E
	Drawn By JENS ROSOWSKI	No. MD-7700.1
Impact Resistant Windows & Doors 3780 W. 104TH STREET HALEAH, FL 33016 (305) 593-6590	Title VINYL FRENCH DOOR & SDLT/TRSM EXTRUSIONS	Sheet 10 OF 12

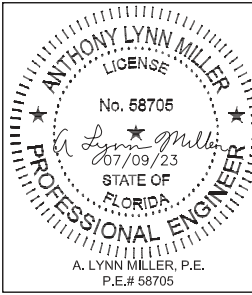


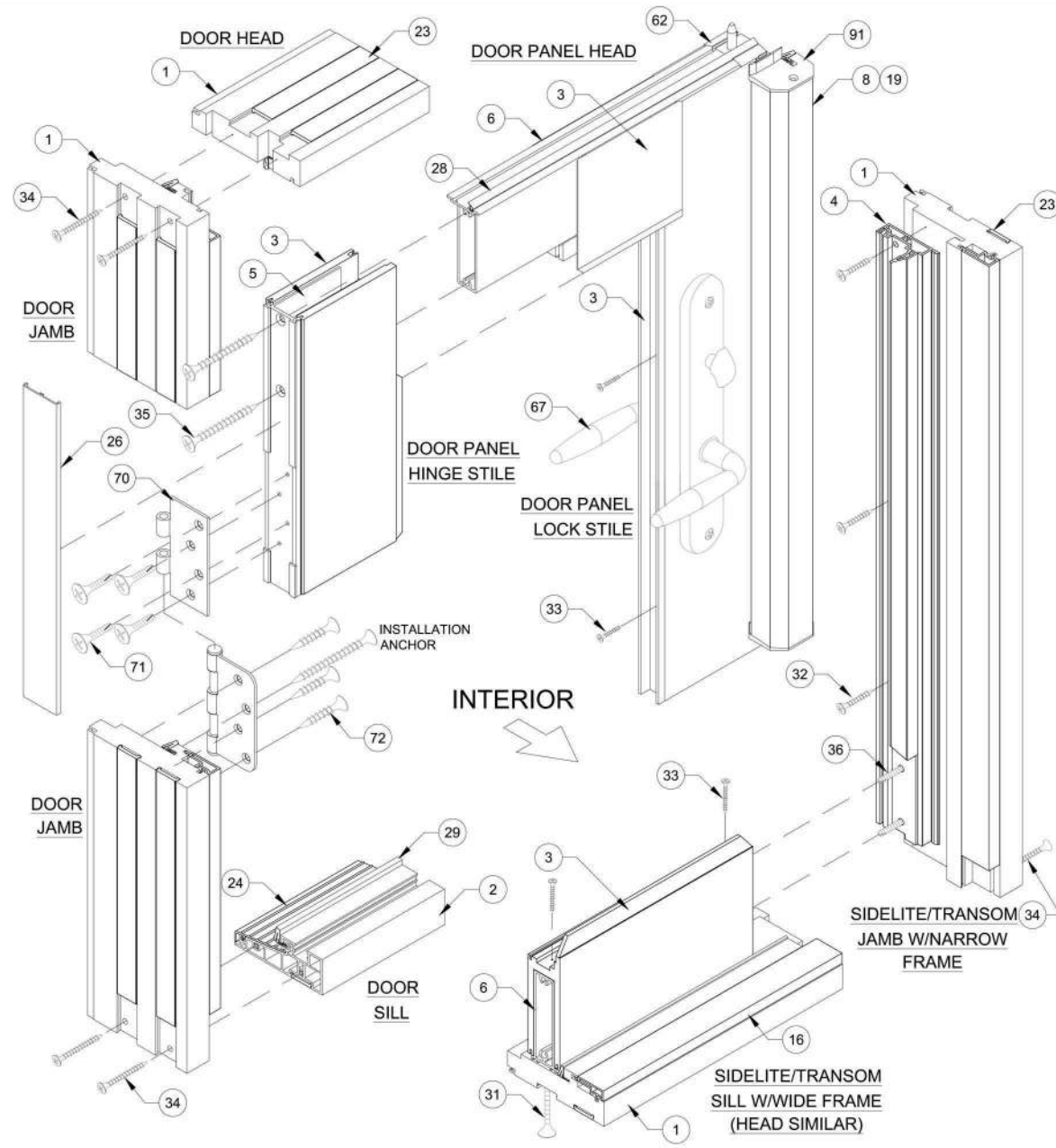
TABLE 11:

#	PGT Part #	Description	Material
1	20000	Door & Sidelite/Transom Main Frame	Cellular PVC
2	20001	Door Frame Sill	Rigid PVC
3	20002	Panel Stile & Rail	Cellular PVC
4	20003	Sidelite Adapter	Rigid PVC
5	20013	Hinge Stile Reinforcement	Alum., 6063-T6
6	20014	Panel Rail Reinforcement	Alum., 6063-T6
7	20015	Panel Stile Reinforcement	Alum., 6063-T6
8	20016	Active Astragal	Rigid PVC
9	20017	Inactive Astragal	Rigid PVC
10	20022	1" French Door Mullion	Alum., 6063-T6
13	20004	Inactive Astragal Cover	Rigid PVC
14	20005	1-1/16" Bevel Bead	Rigid PVC
15	20006	1-1/16" 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	20057	Threshold Cover	Alum., 6063-T5
23	19031	Anchor Plate	Alum., 6063-T6
24	20020	Threshold Cover	Alum., 6063-T6
25	20021	Drip Cap	Rigid PVC
26	20023	Hinge Trim Cover	Rigid PVC
27	20047	7/16" Square Bead	Rigid PVC
28		Fin Weatherstrip	
29	1671/3	Frame Weatherstrip	
31	714FPT410XW	Frame-to-Wide Slab Screw: #14 X 1-1/2" Ph. FH, 16.625" O.C.	Stainless Steel
32	7S101X	Frame-to-Nar. Slab Screw: #10 X 1" Ph. FH, 28" O.C.	Stainless Steel
33	76X1FPT410	Reinforcement Screw: #8 X 1" Ph. FH, 18" O.C.	Stainless Steel
34	710X2FPAX	Frame Assembly Screw: #10 X 2" Ph. FH	Stainless Steel
35	714FPT410XW	W-W Slab Assembly Screw: #14 X 1-1/2" Ph. FH	Stainless Steel
36	71420X2.25	N-W Slab Assembly Screw: #14 X 2-1/4" Ph. FH	Stainless Steel
41	20026	Setting Block, 85 +/- 5 duro.	Vinyl
42		Backbedding: Dow-995 or GE-7700 or Dow 791 or Dow 983	Silicone
43		Argon Gas	
44	6HL5140	Hot Melt Butyl	
45	1652	Setting Block 9/16" x 4" x 3/16", 85 +/- 5 duro.	Neoprene
46	1614	Setting Block 1/2" x 1" x 1/8", 85 +/- 5 duro.	Neoprene
47 - 73		see Hardware BOM, Table 12, Sheet 12	
90	20033	Inactive Astragal Cap	Acetal
91	20035	Active Astragal Cap	Acetal

ALL RIGID PVC AND RIGID CELLULAR PVC BY ENERGI FENESTRATION SOLUTIONS USA, INC OR VISION EXTRUSIONS, LTD.
ANCHOR O.C. DIMENSIONS SHOWN AS MAXIMUM.

ANCHOR/SUBSTRATE MATERIAL PROPERTIES:

Material	Min. F _y	Min. F _u
#12 Steel Screw	92 ksi	120 ksi
#12 18-8 Screw	60 ksi	95 ksi
#12 410 Screw	90 ksi	110 ksi
Elco/DeWalt Aggre-Gator®	57 ksi	96 ksi
3/16" Elco UltraCon	155 ksi	177 ksi
3/16" DeWalt UltraCon+	117 ksi	164 ksi
1/4" Elco UltraCon	155 ksi	177 ksi
1/4" DeWalt UltraCon+	148 ksi	164 ksi
1/4" 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



PRODUCT RENEWED
as complying with the Florida
Building Code
NOA-No. **23-0717.03**
Expiration Date **01/23/2029**
By *Shay L. Chank*
Miami-Dade Product Control

UPDATED TO 2023
BUILDING CODE.
JR - 07/06/23

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

Checked by: JENS ROSOWSKI
10/05/15

Drawn by: JENS ROSOWSKI
11 OF 12

Impact Resistant Windows & Doors
3780 W 104TH STREET
HIALEAH, FL 33018
(305) 593-6590

VINYL FRENCH DOOR & SIDELITE/TRANSOM (LM)
CORNER DETAILS AND BOM

FD-7700

MD-7700.1

ANTHONY LYNN MILLER
LICENSE
No. 58705
07/09/23
STATE OF FLORIDA
PROFESSIONAL ENGINEER
A. LYNN MILLER, P.E.
P.E.# 58705

HARDWARE DETAILS & LOCATIONS

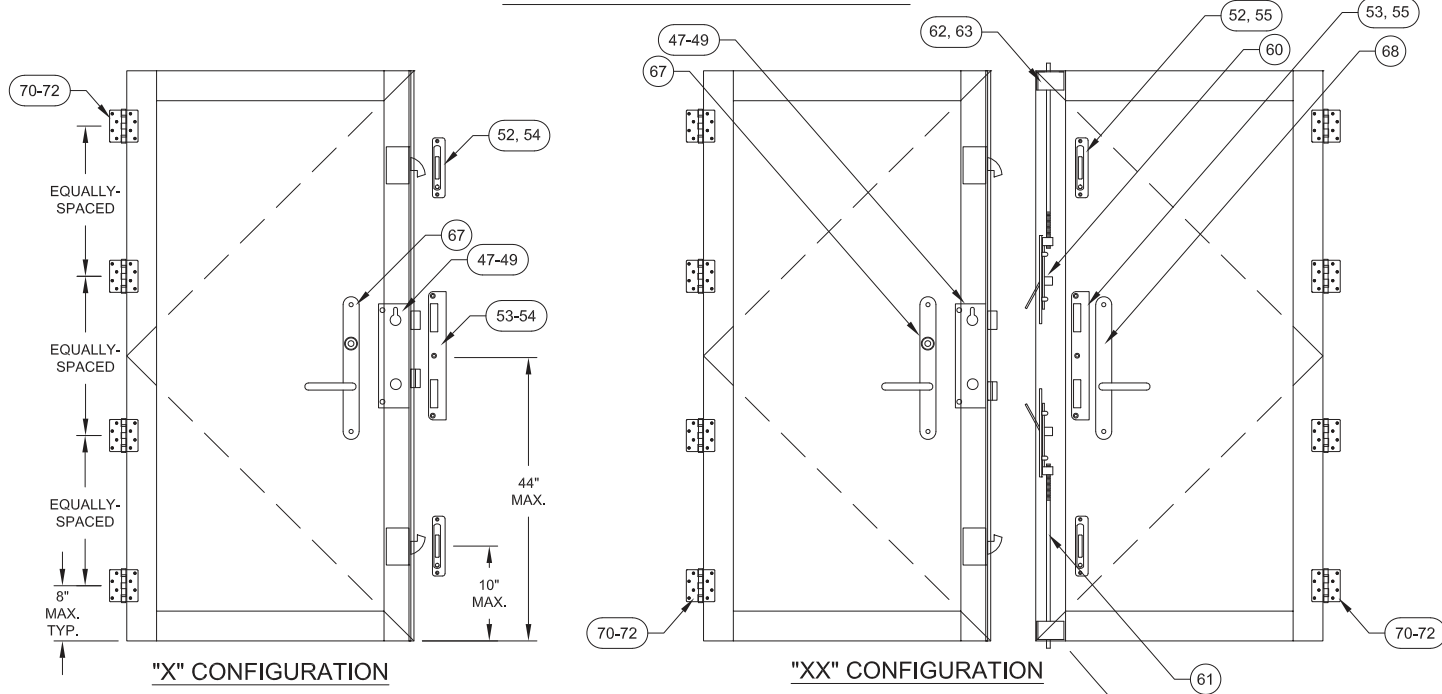
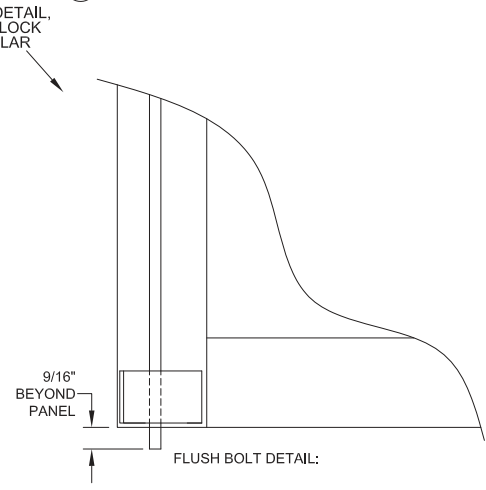
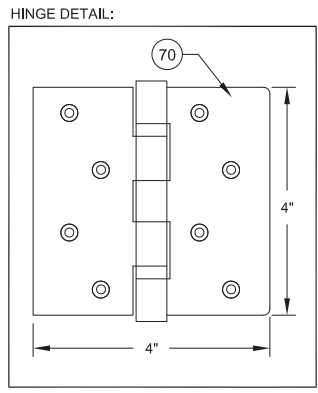


TABLE 12:

#	PGT Part #	Description	Material
47	668032701	P3000 3-PT Rhino Lock (6\"/>	



PRODUCT RENEWED
 as complying with the Florida
 Building Code
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 Expiration Date **01/23/2029**
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Miami-Dade Product Control

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 JR - 07/06/23

PREPARED BY A. LYNN MILLER 1070 TECHNOLOGY DRIVE N. VENICE, FL 34275 (941) 480-1600 REGISTRATION #29296	10/05/15 Date	MD-7700.1 Rev.
	JENS ROSOWSKI By	12 OF 12 No.
VINYL FRENCH DOOR & SDLT/TRSM (LM) DESIGN PRESSURE TABLES 3	12 OF 12 No.	12 OF 12 No.

ANTHONY LYNN MILLER
 LICENSE
 No. 58705
 07/09/23
 STATE OF FLORIDA
 PROFESSIONAL ENGINEER
 A. LYNN MILLER, P.E.
 P.E.# 58705



Product Approval
USER: Public User

[Product Approval Menu](#) > [Product or Application Search](#) > **Application List**

OFFICE OF THE
SECRETARY

Search Criteria

[Refine Search](#)

Code Version	2023	FL#	26533.4
Application Type	ALL	Product Manufacturer	ALL
Category	ALL	Subcategory	ALL
Application Status	ALL	Compliance Method	ALL
Quality Assurance Entity	ALL	Quality Assurance Entity Contract Expired	ALL
Product Model, Number or Name	ALL	Product Description	ALL
Approved for use in HVHZ	ALL	Approved for use outside HVHZ	ALL
Impact Resistant	ALL	Design Pressure	ALL
Other	ALL		

Search Results - Applications

FL#	Type	Manufacturer	Validated By	Status
FL26533-R3 History	Affirmation	Pella Corporation FL#: FL26533.4 Model: 250 Series Vinyl Vent Casement Description: 250 Series Vinyl Vent Casement 71.5" x 71.5" 2-wide XX Category: Windows Subcategory: Casement	T.E. Lunn, PE, LLC (561) 625-6455	Approved

*Approved by DBPR. Approvals by DBPR shall be reviewed and ratified by the POC and/or the Commission if necessary.

[Contact Us](#) :: 2601 Blair Stone Road, Tallahassee FL 32399 Phone: 850-487-1824

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Product Approval Accepts:



GENERAL NOTES:

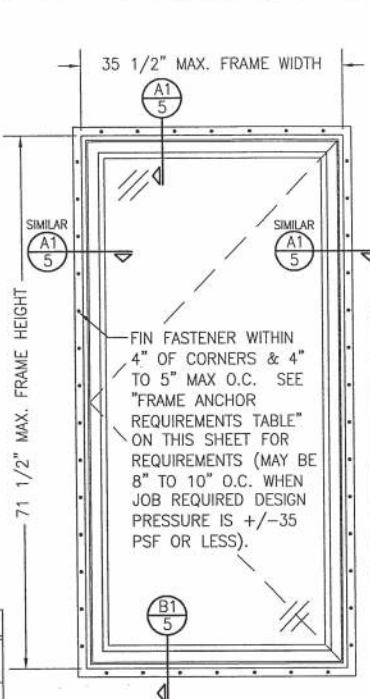
1. ALL FASTENERS SHALL BE IN ACCORDANCE WITH THESE DRAWINGS. SPECIFIED ANCHOR EMBED TO BASE MATERIAL SHALL BE BEYOND WALL FINISH OR STUCCO.
2. OPENINGS, BUCKING & BUCKING FASTENERS MUST BE PROPERLY DESIGNED & INSTALLED TO TRANSFER WIND LOADS TO THE STRUCTURE.
3. THESE NON-IMPACT RATED PRODUCT INSTALLATIONS ARE IN ACCORDANCE WITH AND MEET THE REQUIREMENTS OF THE FLORIDA BUILDING CODE (FBC).
4. ALL ANCHORS SECURING PRODUCT FRAMES TO PRESSURE TREATED BUCKS OR WOOD FRAMING SHALL BE CAPABLE OF RESISTING CORROSION CAUSED BY THE PRESSURE TREATING CHEMICALS IN THE WOOD.
5. MATERIALS, INCLUDING BUT NOT LIMITED TO STEEL SCREWS, THAT COME INTO CONTACT WITH OTHER DISSIMILAR MATERIALS SHALL MEET THE REQUIREMENTS OF FLORIDA BUILDING CODE CHAPTER 20.
6. TO THE BEST OF OUR KNOWLEDGE, THE PRODUCT SHOWN HEREIN IS CERTIFIED & QUALITY ASSURED BY A FLORIDA STATE APPROVED CERTIFICATION/QA ENTITY & SHALL BE LABELED IN ACCORDANCE WITH THE FBC AND THE FLORIDA DEPARTMENT OF BUSINESS & PROFESSIONAL REGULATION SPECIFICATIONS. PRODUCT ASSEMBLY IS NOT PART OF THIS DRAWING AND SHALL BE IN ACCORDANCE WITH THE MANUFACTURER'S QUALITY ASSURANCE SPECIFICATIONS & TESTING REPORTS.
7. CERTIFICATION OF THESE PRODUCT INSTALLATIONS SHALL BE CONSIDERED VOID IF ANY OF THE FOLLOWING APPLY: 1) PRODUCT IS INSTALLED WITHOUT A BUILDING PERMIT FROM THE APPLICABLE LOCAL BUILDING DEPARTMENT. 2) PRODUCT IS INSTALLED BY ANYONE OTHER THAN A LICENSED CONTRACTOR EXPERIENCED WITH INSTALLATIONS OF THIS TYPE OF PRODUCT. 3) IF CHANGES HAVE OCCURRED TO THE PRODUCT'S CERTIFICATION ENTITY'S CERTIFICATE THAT CAUSE THESE INSTALLATIONS TO BE INCORRECT OR INCONSISTENT WITH WHAT HAS BEEN TESTED.
8. THE LEAST DESIGN PRESSURE SPECIFIED EITHER IN THIS DRAWING OR IN THE PRODUCTS CERTIFICATION SHALL CONTROL FOR THE INSTALLED PRODUCT.
9. THESE DRAWINGS CERTIFY THE PRODUCT INSTALLATION ONLY. WATER PROOFING OF THE INSTALLED PRODUCT IS NOT PART OF THIS INSTALLATION CERTIFICATION. THAT RESPONSIBILITY SHALL BE THAT OF THE MANUFACTURER &/OR INSTALLER.

INSTALLATION EVALUATION IS BASED ON APPLICABLE ANCHOR STANDARDS AND/OR INFORMATION & RESULTS FROM APPLICABLE TEST REPORTS. THE FLORIDA BUILDING CODE VERSION CONSIDERED WITH THE EVALUATION WAS THAT IN FORCE AT THE TIME OF THE EVALUATION. IN THE EVENT OF CODE VERSION CHANGES/UPDATES OR IN THE EVENT THAT NEW OR ADDITIONAL TESTING IS COMPLETED ON THE REFERENCED PRODUCT, PRIOR TO STATING CODE COMPLIANCE WITH THE STATE, THE MANUFACTURER SHALL CONFIRM WITH THE INSTALLATION EVALUATION ENGINEER OF RECORD THAT THE INSTALLATIONS SPECIFIED HERE-IN ARE CURRENT WITH THE THEN CURRENT TESTING, CODE AND APPLICABLE STANDARDS.

FRAME ANCHOR REQUIREMENTS TABLE

OPENING TYPE (SUBSTRATE)	FRAME/CLIP/NAIL FIN TO OPENING FASTENER TYPE	MINIMUM EMBED	MINIMUM EDGE DIST.
(1) FRAME SCREWS			
MIN. 2X4 WOOD FRAME OR BUCK (MIN. GR. 3 & G=0.55)	NO. 10 SMS OR WOOD SCREW	1 1/4"	3/4"
MIN. 18 GA. 33 KSI METAL STUD	NO. 10 GR. 5 SELF TAP/DRILL SCREW	FULL	1/2"
MIN. 1/8" THK A36 STEEL	NO. 10 GR. 5 SELF TAP/DRILL SCREW	FULL	1/2"
MIN. 1/8" THK 6063-T5 ALUM.	NO. 10 GR. 5 SELF TAP/DRILL SCREW	FULL	1/2"
MIN. C-90 CMU OR 2500 PSI CONCRETE	(2) 1/4" CONCRETE SCREW	1 1/4"	2"
(1) INSTALLATION CLIP SCREWS			
MIN. 2X4 WOOD FRAME OR BUCK (MIN. GR. 3 & G=0.55)	NO. 10 SMS SCREW	1 1/4"	1/2"
MIN. 18 GA. 33 KSI METAL STUD	NO. 10 GR. 5 SELF TAP/DRILL SCREW	FULL	1/2"
MIN. 1/8" THK A36 STEEL	NO. 10 GR. 5 SELF TAP/DRILL SCREW	FULL	1/2"
MIN. 1/8" THK 6063-T5 ALUM.	NO. 10 GR. 5 SELF TAP/DRILL SCREW	FULL	1/2"
2500 PSI CONCRETE	(2) 1/4" CONCRETE SCREW	1 1/4"	2"
(3) NAILING FIN FASTENERS			
MIN. 2X4 WOOD FRAME OR BUCK (MIN. GR. 3 & G=0.55)	NO. 8 SMS SCREW	1 3/8"	1/2"
MIN. 2X4 WOOD FRAME OR BUCK (MIN. GR. 3 & G=0.55)	11 GA. ROOFING NAIL	1 3/8"	1/2"
MIN. 1/8" THK A36 STEEL	NO. 8 GR. 5 SELF TAP/DRILL SCREW	FULL	1/2"
MIN. 1/8" THK 6063-T5 ALUM.	NO. 8 GR. 5 SELF TAP/DRILL SCREW	FULL	1/2"

- (1) FRAME AND INSTALLATION CLIP SCREWS SHALL BE A PAN OR HEX HEAD SCREW.
- (2) CONCRETE SCREWS SHALL BE ELCO ULTRACONS (C.S.), ELCO CRETE-FLEX (S.S.), ITW RAMSET/RED HEAD TAPCONS (C.S. OR S.S.) OR HILTI KWIK-CON II (C.S OR S.S.).
- (3) WHEN SCREWS ARE USED WITH THE NAIL FIN, THEY MUST BE A WAFFLE HEAD SCREW OR HAVE A FLAT WASHER AT THE SCREW HEAD.



**EXTERIOR ELEVATION:
SINGLE WINDOW**
SCALE: 3/4" = 1'-0"
(NAIL FIN MOUNT CONDITION)

CONDITIONS SHOWN ON THIS DRAWING ARE GOVERNED BY INSTALLATION REQUIREMENTS ONLY. THE GOVERNING CONDITIONS ON ANY SPECIFIC WINDOW SHALL BE THE LESSER OF THOSE SPECIFIED IN THE WINDOWS STATE APPROVAL OR THAT SHOWN IN THESE DRAWINGS.

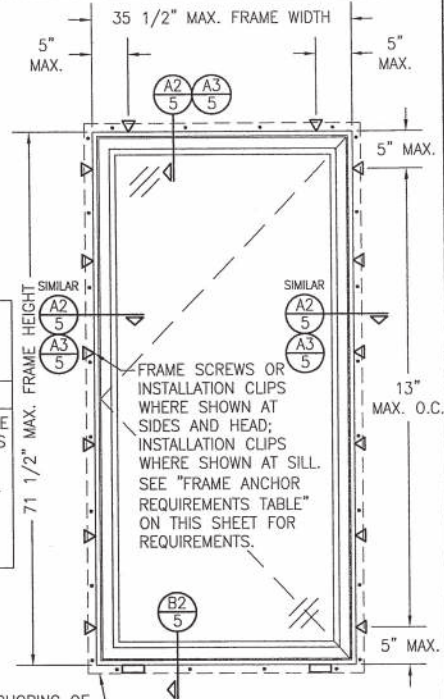
ALTERNATE ANCHOR/SUBSTRATE EVALUATION NOTE:
ALL ALTERNATE ANCHORS IN THEIR SPECIFIED SUBSTRATES HAVE BEEN ANALYZED IN ACCORDANCE WITH THEIR APPLICABLE STANDARD(S) AND ARE FOUND TO BE EQUIVALENT TO OR STRONGER THAN THE ANCHOR(S) USED IN TESTING WITH THIS PRODUCT.

INSTALLATION NOTE:
WHEN NECESSARY, INSTALLATION METHODS MAY BE MIXED WITH ANY ONE WINDOW SUCH THAT INDIVIDUAL SIDES OF THE WINDOW MAY USE ONE OR THE OTHER ANCHOR METHOD (EXAMPLE: ONE SIDE MAY USE FRAME SCREW METHOD WHILE OTHER SIDES USE FIN)

ALLOWABLE DESIGN PRESSURE (SINGLE WINDOWS)

+/-50 PSF

PRESSURE SHOWN IN THIS TABLE IS FOR INSTALLATION CONDITIONS ONLY. THE GOVERNING DESIGN PRESSURE ON THE WINDOWS SHALL BE THE LESSER OF THAT SHOWN IN THE INDIVIDUAL WINDOW'S STATE APPROVAL OR THAT SHOWN IN THIS TABLE.



**EXTERIOR ELEVATION:
SINGLE WINDOW**
SCALE: 3/4" = 1'-0"
(FRAME SCREW & CLIP MOUNT CONDITION)

NAIL FIN AND ANCHORING OF NAIL FIN IS OPTIONAL & SHALL NOT ACT AS A SUBSTITUTE FOR THE FRAME ANCHORS SPECIFIED. FIN MAY BE REMOVED WHEN REQUIRED BY OPENING CONDITIONS

THESE DRAWINGS ARE APPLICABLE ONLY TO THE PRODUCT SPECIFIED. THEY MAY NOT BE USED FOR THE ASSEMBLY AND/OR INSTALLATION OF ANY OTHER PRODUCT NOR MAY THEY BE USED FOR RATIONAL AND/OR LOCAL APPROVAL OF ANY PRODUCT NOT PRODUCED BY THE MANUFACTURER STATED ON THESE DRAWINGS.

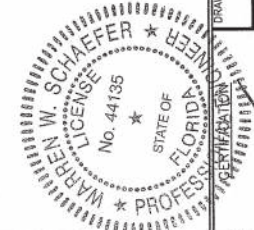
DRAWN BY: W.W.S.	CHECKED BY: W.W.S.
DATE: 09/19/18	DATE: 09/15/18
NO. 1	NO. 1
BY: W.W.S.	BY: W.W.S.
NO. 1	NO. 1
REVISION DESCRIPTION: A1 UPDATE FOR NEW TESTING	

DRAWING TITLE: 2500 SERIES VINYL NON-IMPACT VENT CASEMENT WINDOWS

PELLA CORPORATION
102 MAIN STREET
PELLA, IA 50219
641-621-1000

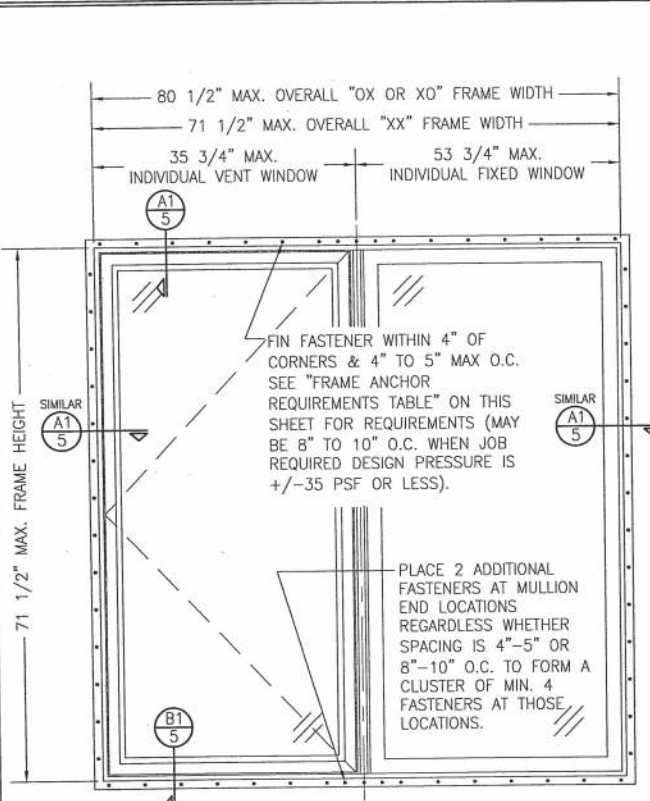


CONSULTANTS:
W. W. SCHAEFER ENGINEERING & CONSULTING, P.A. (CA 6809)
7480 150TH COURT NORTH
PALM BEACH, FL 33418
PHONE: 561-244-3424

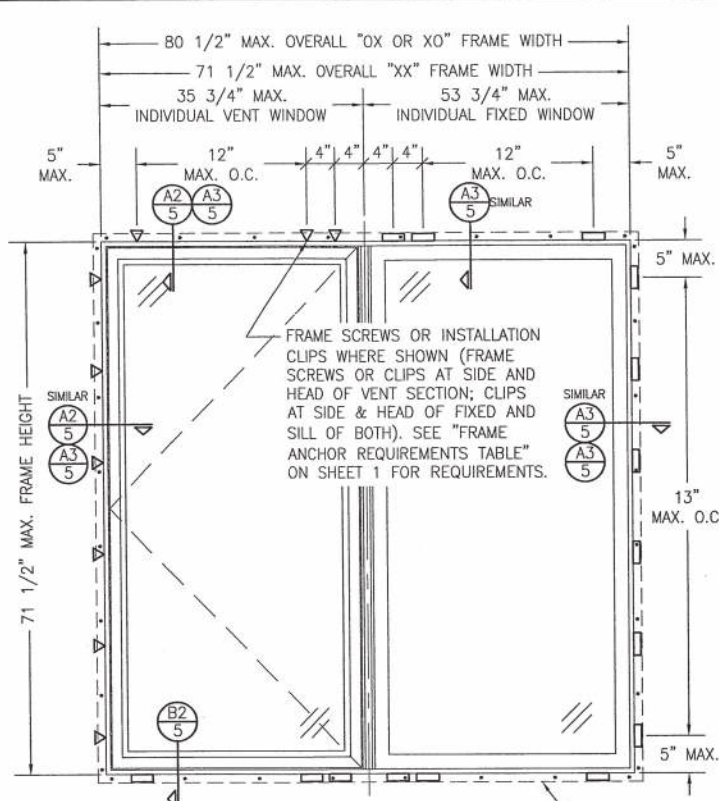


SEP 27 2018
WARREN W. SCHAEFER, P.E.
P.E. NO. 44135

DRAWING NO. 1934	REV. A
SHEET NO. 1	OF 6



EXTERIOR ELEVATION:
2-WIDE WINDOW
 SCALE: 3/4" = 1'-0"
 (NAIL FIN MOUNT CONDITION)




EXTERIOR ELEVATION:
2-WIDE WINDOW
 SCALE: 3/4" = 1'-0"
 (FRAME SCREW & CLIP MOUNT CONDITION)

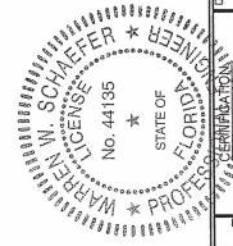
- 2-WIDE UNIT NOTES:**
1. XO CONFIGURATION IS SHOWN, OX & XX ALSO APPLY.
 2. THE WINDOWS WITHIN EACH UNIT MAY BE OF OF EQUAL OR UNEQUAL WIDTH.

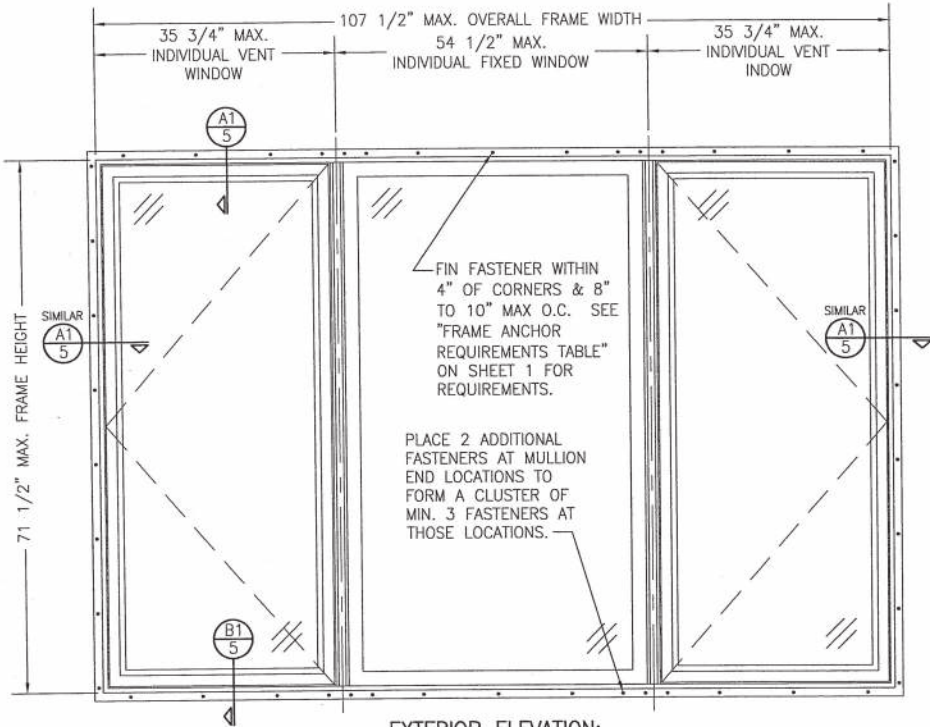
ALLOWABLE DESIGN PRESSURE (2-WIDE WINDOW UNITS)	
WINDOW CONFIGURATION	ALLOWABLE PRESSURE
XX	+/-50 PSF
XO & OX	+/-35 PSF

PRESSURE SHOWN IN THIS TABLE IS FOR INSTALLATION CONDITIONS ONLY. THE GOVERNING DESIGN PRESSURE ON THE WINDOWS SHALL BE THE LESSER OF THAT SHOWN IN THE INDIVIDUAL WINDOW'S STATE APPROVAL OR THAT SHOWN IN THIS TABLE.

NAIL FIN AND ANCHORING OF NAIL FIN IS OPTIONAL & SHALL NOT ACT AS A SUBSTITUTE FOR THE FRAME ANCHORS SPECIFIED. FIN MAY BE REMOVED WHEN REQUIRED BY OPENING CONDITIONS

DRAWN BY: W.W.S. PLOT: 1-16	CHECKED BY: W.W.S. DATE: 04/05/18
DATE	BY
NO.	REVISION DESCRIPTION
DRAWING TITLE 250 SERIES VINYL NON-IMPACT VENT CASEMENT WINDOWS	
CONSULTANTS W. W. SCHAEFER ENGINEERING & CONSULTING, P.A. (CA 6809) 7480 150TH COURT NORTH PALM BEACH GARDENS, FL 33418 PHONE: 561-744-5424	MANUFACTURER  PELLA CORPORATION 102 MAIN STREET PELLA, IA 50219 641-621-1000
DRAWING NO. 1934	REV. A
SHEET NO. 2	OF 6





EXTERIOR ELEVATION:
3-WIDE WINDOW
 SCALE: 3/4" = 1'-0"
 (NAIL FIN MOUNT CONDITION)

- 3-WIDE UNIT NOTES:**
1. XOX CONFIGURATION IS SHOWN, ANY COMBINATION OF VENT AND FIXED ALSO APPLIES.
 2. THE WINDOWS WITHIN MAY BE EQUAL OR UNEQUAL WIDTH.
 3. NO SINGLE WINDOW WIDTH NOR THE OVERALL FRAME WIDTH MAY EXCEED THE DIMENSIONS SHOWN.

ALLOWABLE DESIGN PRESSURE
(3-WIDE WINDOW UNITS)
 +/-35 PSF

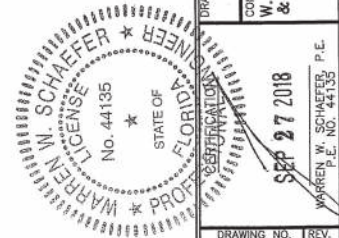
DRAWN BY: W.W.S.	CHECKED BY: W.W.S.
PLOT: 1=18	DATE: 04/05/18
NO.	REVISION DESCRIPTION

DRAWING TITLE: 250 SERIES VINYL NON-IMPACT VENT CASEMENT WINDOWS

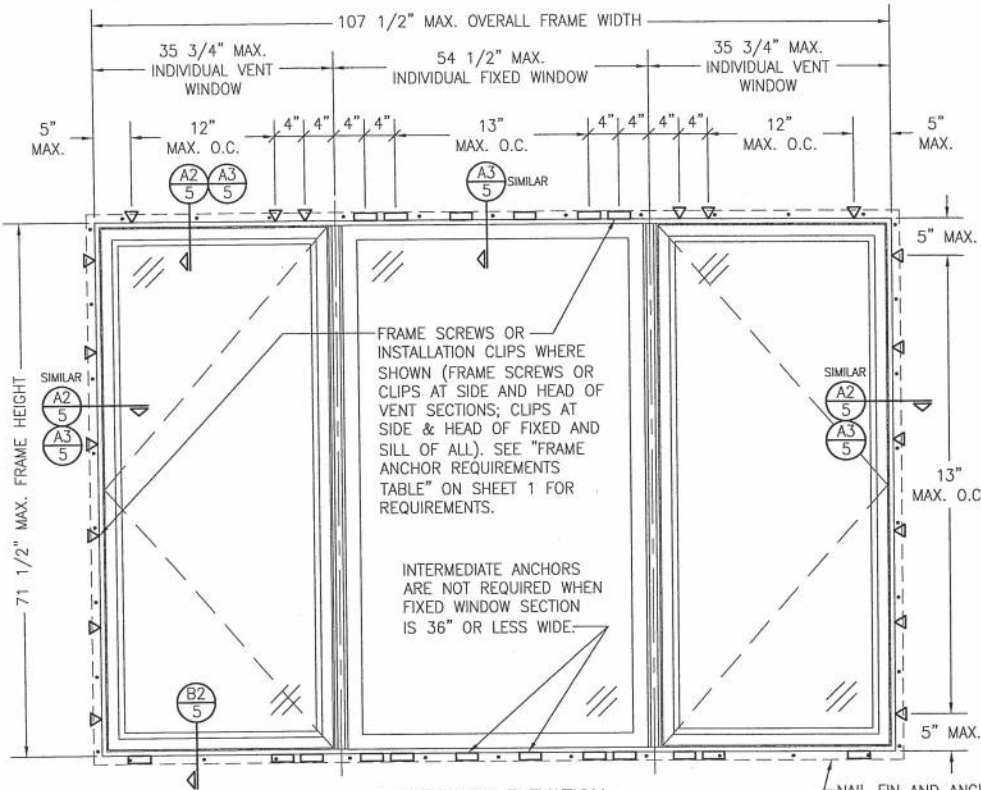
PELLA CORPORATION
 102 MAIN STREET
 PELLA, IA 50219
 641-621-1000



CONSULTANTS
 W. W. SCHAEFER ENGINEERING
 & CONSULTING, P.A. (CA 6609)
 7480 150TH COURT NORTH, 33418
 PALM BEACH GARDENS, FL
 PHONE: 561-744-3461



DRAWING NO. 1934	REV. A
SHEET NO. 3	OF 6



EXTERIOR ELEVATION:
3-WIDE WINDOW
 SCALE: 3/4" = 1'-0"
 (FRAME SCREW MOUNT CONDITION)

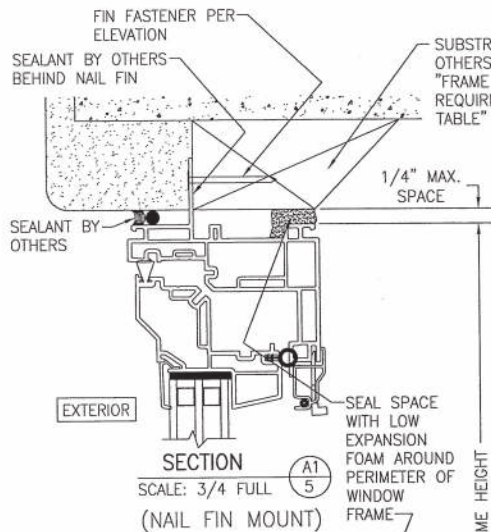
NAIL FIN AND ANCHORING OF NAIL FIN IS OPTIONAL & SHALL NOT ACT AS A SUBSTITUTE FOR THE FRAME ANCHORS SPECIFIED. FIN MAY BE REMOVED WHEN REQUIRED BY OPENING CONDITIONS

3-WIDE UNIT NOTES:

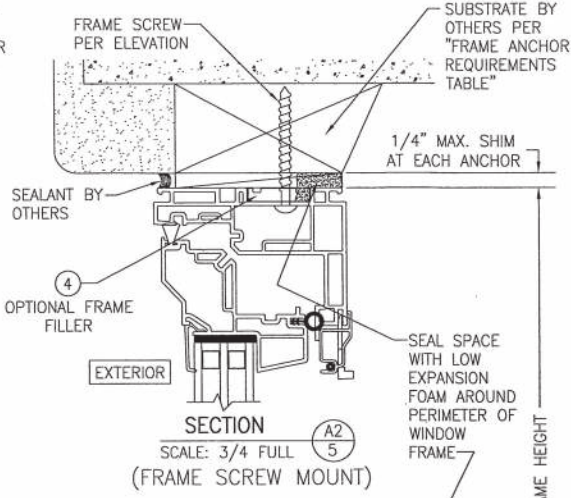
1. XOX CONFIGURATION IS SHOWN, ANY COMBINATION OF VENT AND FIXED ALSO APPLIES.
2. THE WINDOWS WITHIN MAY BE EQUAL OR UNEQUAL WIDTH.
3. NO SINGLE WINDOW WIDTH NOR THE OVERALL FRAME WIDTH MAY EXCEED THE DIMENSIONS SHOWN.

ALLOWABLE DESIGN PRESSURE
(3-WIDE WINDOW UNITS)
 +/-35 PSF

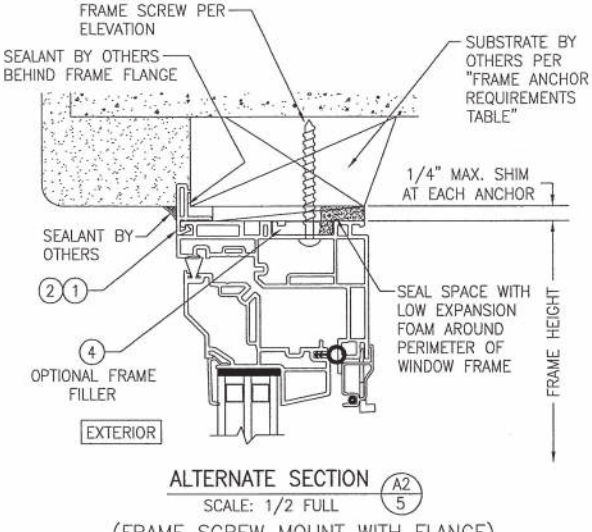
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PLOT: 1=16	DATE: 04/05/18
DATE	
BY	
REVISION DESCRIPTION	
NO.	
DRAWING TITLE 250 SERIES VINYL NON-IMPACT VENT CASEMENT WINDOWS	
CONSULTANTS W. W. SCHAEFER ENGINEERING & CONSULTING, P.A. (CA 6809) 7480, 130TH COURT NORTH PALM BEACH GARDENS, FL 33418 PHONE: 561-744-3424	MANUFACTURER  PELLA CORPORATION 102 MAIN STREET PELLA, IA 50219 641-621-1000
	
SEP 27 2018 WARREN W. SCHAEFER, P.E. P.E. NO. 44135	
DRAWING NO. 1934	REV. A
SHEET NO. 4	OF 6



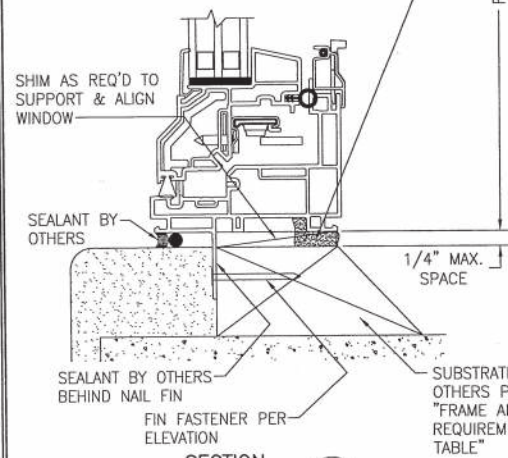
SECTION A1
SCALE: 3/4 FULL
(NAIL FIN MOUNT)



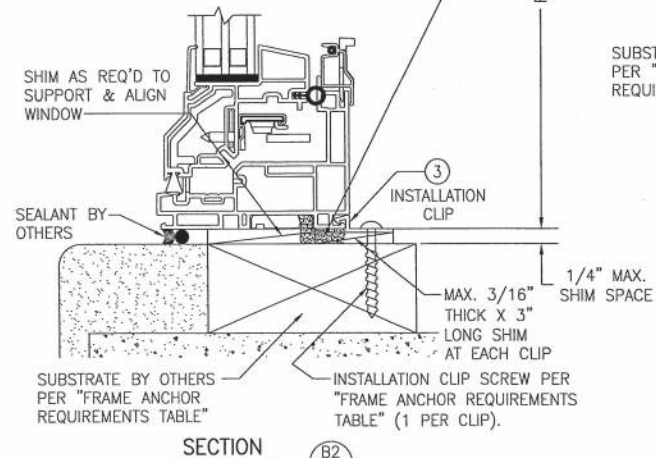
SECTION A2
SCALE: 3/4 FULL
(FRAME SCREW MOUNT)



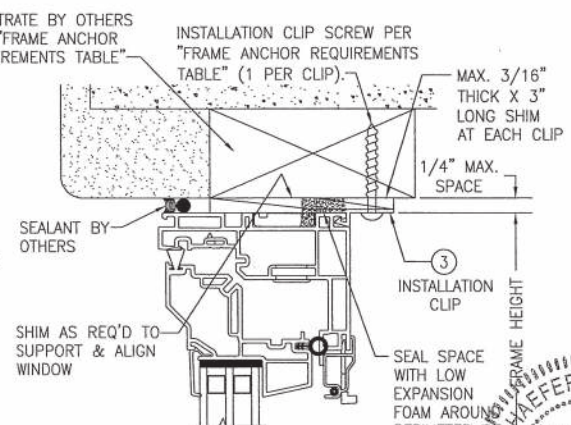
ALTERNATE SECTION A2
SCALE: 1/2 FULL
(FRAME SCREW MOUNT WITH FLANGE)



SECTION B1
SCALE: 3/4 FULL
(NAIL FIN MOUNT)



SECTION B2
SCALE: 3/4 FULL
(CLIP MOUNT)



SECTION A3
SCALE: 3/4 FULL
(CLIP MOUNT)

DRAWN BY: W.S.	CHECKED BY: W.S.
PLOT: 1=16	DATE: 04/05/18
BY	DATE
REVISION DESCRIPTION	
NO.	

DRAWING TITLE: 250 SERIES VINYL NON-IMPACT VENT CASEMENT WINDOWS

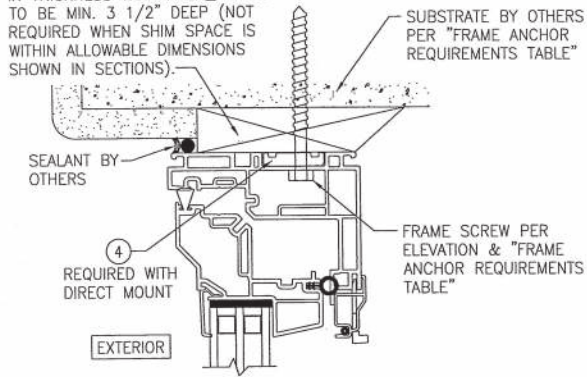
MANUFACTURER: PELLA CORPORATION
102 MAIN STREET
PELLA, IA 50219
641-621-1000

CONSULTANTS: W. W. SCHAEFER ENGINEERING & CONSULTING, P.A. (CA 6809)
7480 150TH COURT NORTH, 30418
PALM BEACH GARDENS, FL 33418
PHONE: 561-744-3424

PROFESSIONAL ENGINEER
STATE OF FLORIDA
SEP 27 2008
W. W. SCHAEFER, P.E.
WARREN W. SCHAEFER LICENSE No. 44135

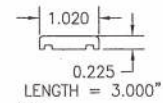
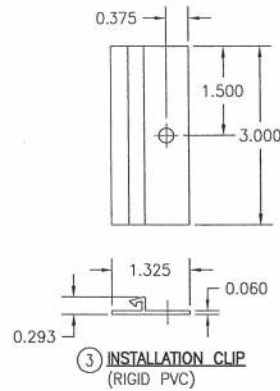
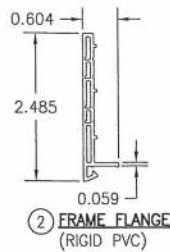
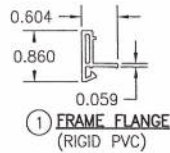
DRAWING NO. 1934
SHEET NO. 5 OF 6

CONTINUOUS WOOD MEMBER LESS IN THICKNESS THAN A 2X BUCK TO BE MIN. 3 1/2" DEEP (NOT REQUIRED WHEN SHIM SPACE IS WITHIN ALLOWABLE DIMENSIONS SHOWN IN SECTIONS).



OPTIONAL DIRECT MOUNT DETAIL TO SUBSTRATE WITH SPACER

(HEAD SECTION SHOWN; SIDES & SILL ARE INSTALLED THE SAME)
 (FOR DETAIL NOT SHOWN, SEE OTHER SECTIONS)



(RIGID PVC AT EACH ANCHOR)
 (RECOMMENDED BUT NOT REQUIRED WITH TYPICAL FRAME SCREW MOUNT. REQUIRED WITH DIRECT MOUNT)

NO.	REVISION DESCRIPTION	BY	DATE

DRAWING TITLE: 250 SERIES VINYL NON-IMPACT VENT CASEMENT WINDOWS

CONSULTANTS: W. W. SCHAEFER ENGINEERING & CONSULTING, P.A. (CA 6809)
 7480 150TH COURT NORTH, PALM BEACH GARDENS, FL 33418
 PHONE: 561-744-3424

MANUFACTURER: PELLA CORPORATION
 102 MAIN STREET, PELLA, IA 50219
 641-621-1000



DRAWING NO.	REV.
1934	A
SHEET NO.	
6	OF 6