



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

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

**CGI Windows & Doors, Inc.**  
10100 N. W. 25<sup>th</sup> street,  
Miami, Fl. 33172

**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, Series titled "Vinyl French Door and SLT/TR", sheets 1 through 12 of 12, dated 05/07/13, with revision B dated 01/24/16, 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 NOA# 15-0409.05 and consists of this page 1 and evidence pages E-1, E-2, E-3 and E-4, as well as approval document mentioned above.

The submitted do0cumentation was reviewed by **Manuel Perez, P.E.**



*MP*  
4/29/16

NOA No. 16-0126.05  
Expiration Date: January 23, 2019

Approval Date: May 05, 2016

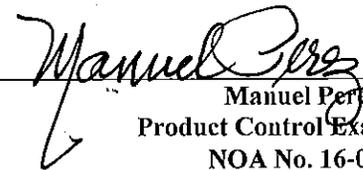
NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

**A. DRAWINGS**

1. Manufacturer's die drawings and sections.  
*(Submitted under previous 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 B dated 01/24/16, 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.
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.
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.



Manuel Perez, P.E.  
Product Control Examiner  
NOA No. 16-0126.05

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**CGI Windows & Doors, Inc.**

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**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 previous NOA# 15-0409.05)*
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 previous NOA# 15-0409.05)*
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 previous NOA# 15-0409.05)*
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 previous NOA# 15-0409.05)*

**C. CALCULATIONS**

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

  
Manuel Perez, P.E.  
Product Control Examiner  
NOA No. 16-0126.05  
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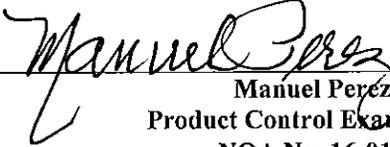
NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

**D. QUALITY ASSURANCE**

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

**E. MATERIAL CERTIFICATIONS**

1. Notice of Acceptance No. **14-0916.10** issued to **Kuraray America, Inc.** for their "**Kuraray Butacite® PVB Glass Interlayer**" dated 04/25/15, expiring on 12/11/16.
2. Notice of Acceptance No. **14-0916.11** issued to **Kuraray America, Inc.** for their "**Kuraray SentryGlas® (Clear and White) Glass Interlayers**" dated 06/25/15, expiring on 07/04/18.
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 previous NOA No. 15-0409.05)*
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 previous 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 previous NOA No. 15-0409.05)*
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 previous NOA No. 15-0409.05)*
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 previous NOA No. 15-0409.05)*
8. Quanex Part **Super Spacer Standard** complying with ASTM C518 Thermal Conductivity 0.881 BTU-in/ hr.-ft<sup>2</sup>-°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)*
9. Quanex Part **Duraseal** complying with ASTM C518 Thermal Conductivity 2.22 BTU-in/ hr.-ft<sup>2</sup>-°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 previous NOA No. 15-0409.05)*

  
Manuel Perez, P.E.  
Product Control Examiner  
NOA No. 16-0126.05

Expiration Date: January 23, 2019  
Approval Date: May 05, 2016

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**E. MATERIAL CERTIFICATIONS (CONTINUED)**

10. 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 previous NOA No. 15-0409.05)*
11. Vision Extrusions, Ltd. Parts complying with PVC-AAMA 303-13.  
*(Submitted under previous NOA No. 15-0409.05)*
12. 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 previous NOA No. 15-0409.05)*

**F. STATEMENTS**

1. Statement letter of conformance to and of complying with **FBC 5<sup>th</sup> Edition (2014)**, dated January 25, 2016, issued by manufacturer, signed and sealed by Anthony Lynn Miller, P.E.  
*(Submitted under previous NOA No. 15-0409.05)*
2. Statement letter of no financial interest and of independent, issued by manufacturer, dated January 25, 2016, signed and sealed by Anthony Lynn Miller, P.E.  
*(Submitted under previous NOA No. 15-0409.05)*
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 previous 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. **15-0409.05**, 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 07/02/15 and expiring on 01/23/19.

  
Manuel Perez, P.E.  
Product Control Examiner  
NOA No. 16-0126.05

Expiration Date: January 23, 2019  
Approval Date: May 05, 2016

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

|                             |  |
|-----------------------------|--|
| DESIGN PRESSURE RATING      | IMPACT RATING  |
| VARIES,<br>SEE SHEETS 4 & 5 | RATED FOR LARGE & SMALL<br>MISSILE IMPACT RESISTANCE |

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 NOT REQUIRED WHEN USED IN WIND-BORNE DEBRIS REGIONS.

3) FOR MASONRY APPLICATIONS IN MIAMI-DADE COUNTY, USE ONLY MIAMI-DADE COUNTY APPROVED MASONRY ANCHORS. MATERIALS USED FOR ANCHOR EVALUATIONS WERE SOUTHERN PINE, ASTM C90 CONCRETE MASONRY UNITS (CMU'S) OF NORMAL WEIGHT AND OF COMPRESSIVE STRENGTH OF MIN. 1.9 KSI) 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 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.

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) 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.

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 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.

10) ALL RIGID PVC AND RIGID CELLULAR CPVC MANUFACTURED BY VISION EXTRUSIONS, 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-7339, 7371, 8715, 8716 & 8717  
NOA'S: ELCO ULTRACON NOA; ELCO CRETEFLEX NOA; ELCO AGGRE-GATOR NOA;  
VISION EXTRUSIONS, LTD. WHITE RIGID, VE 1000 TAN 202 (NON-WHITE) RIGID & BROWN-COATED (PAINTED OR LAMINATED) RIGID PVC NOA'S, VISION EXTRUSIONS LTD. WHITE & VE 2000 TAN (NON-WHITE) RIGID CELLULAR PVC NOA'S, ANSII/AF&PA NDS FOR WOOD CONSTRUCTION AND ADM ALUMINUM DESIGN MANUAL.

TABLE 1:

| Group                           | Anchor  | Substrate   | Min. Edge Distance           | Min. Embedment |        |
|---------------------------------|---|---|------------------------------|----------------|--------|
| A                               | 3/16" Elco Ultracon   | UngROUTED CMU, (ASTM C-90)                                  | 1"                           | 1-1/4"         |        |
|                                 |   | UngROUTED CMU, (ASTM C-90)                                  | 2-1/2"                       | 1-1/4"         |        |
| B                               | #10 Steel SMS (G5)<br>#10 410 S.S. SMS<br>#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" Elco Ultracon   | P.T. Southern Pine (SG=0.55)                                | 1/2"                         | 1-3/8"         |        |
|                                 |   | Grouted CMU, (ASTM C-90)                                    | 2-1/2"                       | 2-1/4"         |        |
|                                 |   | Concrete (min. 2.85 ksi)                                    | 1"                           | 1-3/8"         |        |
|                                 | 1/4" Elco Ultracon  | UngROUTED CMU, (ASTM C-90)                                  | 2-1/2"                       | 1-1/4"         |        |
|                                 | C   | #12 Steel SMS (G5)<br>#12 410 S.S. SMS<br>#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"         |        |
| Steel Stud, A653 Gr. 33*        |   |   | 3/8"                         | 0.071" (14 Ga) |        |
| 1/4" Elco Ultracon              |   | P.T. Southern Pine (SG=0.55)                                | 1"                           | 1-3/8"         |        |
|                                 |   | Grouted CMU, (ASTM C-90)                                    | 2-1/2"                       | 1-3/4"         |        |
|                                 |   | Concrete (min. 2.85 ksi)                                    | 1"                           | 1-3/8"         |        |
| 1/4" Elco 410 S.S. CreteFlex    |   | Concrete (min. 3.35 ksi)                                    | 1"                           | 1-3/4"         |        |
|                                 |   | UngROUTED CMU, (ASTM C-90)                                  | 2-1/2"                       | 1-1/4"         |        |
| 1/4" Elco 18-8 S.S. Aggre-Gator |   | P.T. Southern Pine (SG=0.55)                                | 1"                           | 1-3/8"         |        |
|                                 | Concrete (min. 3.27 ksi)                                    | 1-1/2"  | 1-3/8"                       |                |        |
|                                 | UngROUTED CMU, (ASTM C-90)                                  | 4"  | 1-1/4"                       |                |        |
| D                               | 1/4" Elco Ultracon  | Concrete (min. 2.85 ksi)                                    | 2-1/2"                       | 1-3/8"         |        |
|                                 | 1/4" Elco410 S.S. CreteFlex                                 | Concrete (min. 3.35 ksi)                                    | 2-1/2"                       | 1-3/4"         |        |

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

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" BUTACITE® PVB INTERLAYER BY KURARAY AMERICA, INC.  
"SG" = .090" SENTRYGLAS® INTERLAYER BY KURARAY AMERICA, INC.  
SEE TABLE 11 FOR SPACER INFORMATION

STANDARDS USED:

- 2014 FLORIDA BUILDING CODE (FBC), 5TH EDITION
- ASTM E1300-09
- ANSII/AF&PA NDS-2012 FOR WOOD CONSTRUCTION
- ALUMINUM DESIGN MANUAL, ADM-2010
- AISI-S100-07/S2-2010

GUIDE TO SHEETS:

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

PRODUCT REVISED as complying with the Florida Building Code Acceptance No. 16-0126.05 Expiration Date Jan 23, 2019  
By Manuel Perez Miami Dade Product Control

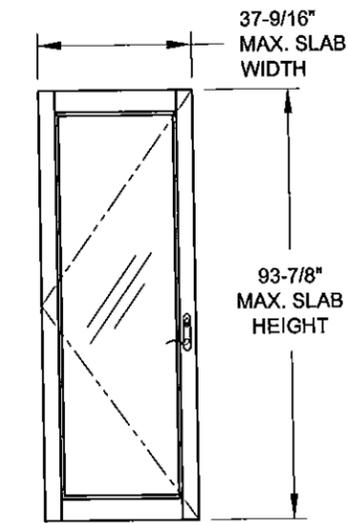
Rev: (B) ADDED TPS SPACER, LIMITED OO CFG., STD. YRS. - JR - 01/24/16

PREPARED BY: A. LYNN MILLER, P.E. 1070 TECHNOLOGY DRIVE N. VENICE, FL 34275, (941) 480-1600 CERT. OF AUTH. #29296

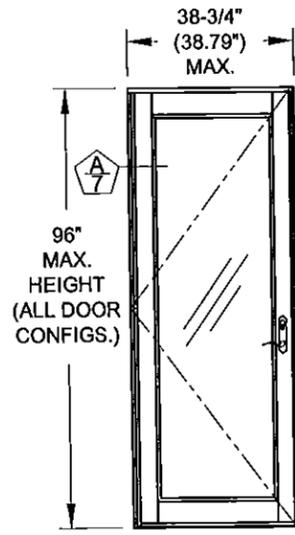
|   |          |            |               |         |
|---|----------|------------|---------------|---------|
| 10100 N.W. 25th Street<br>Miami, FL 33172<br>Tel: 305.593.6590<br>Fax: 305.593.6592 | Date     | 5/7/13     | J ROSOWSKI    | A       |
|   | Drawn By | J ROSOWSKI |               |         |
| Impact Resistant Windows & Doors<br>WE'RE STRONGER™                                 | Sheet    | 1 OF 12    | GENERAL NOTES | FD-7700 |
|   | Scale    | NTS        |               |         |
| VINYL FRENCH DOOR AND SLT/TR  | Series   |            | Desc.         |         |

ANTHONY LYNN MILLER  
LICENSE  
No. 58705  
9/27/16  
STATE OF FLORIDA  
PROFESSIONAL ENGINEER  
A. LYNN MILLER, P.E.  
P.E.# 58705

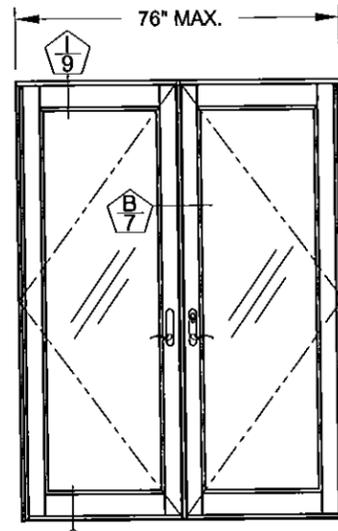
EXAMPLE CONFIGURATIONS



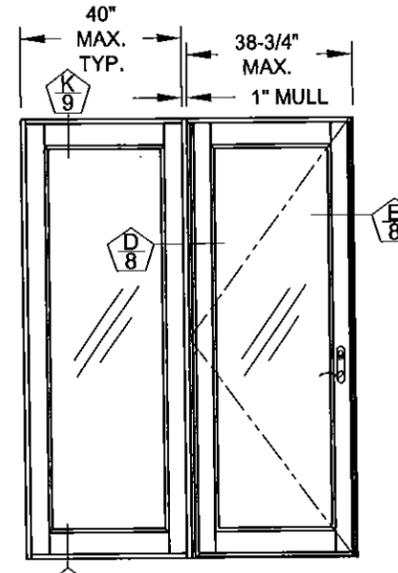
TYP. DOOR SLAB



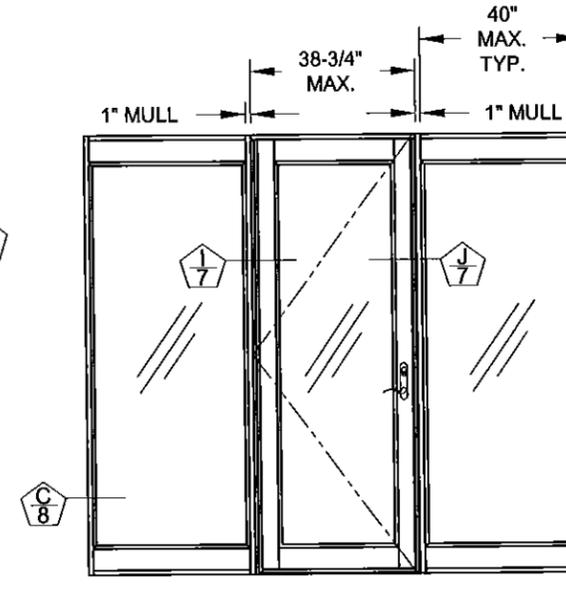
X



XX

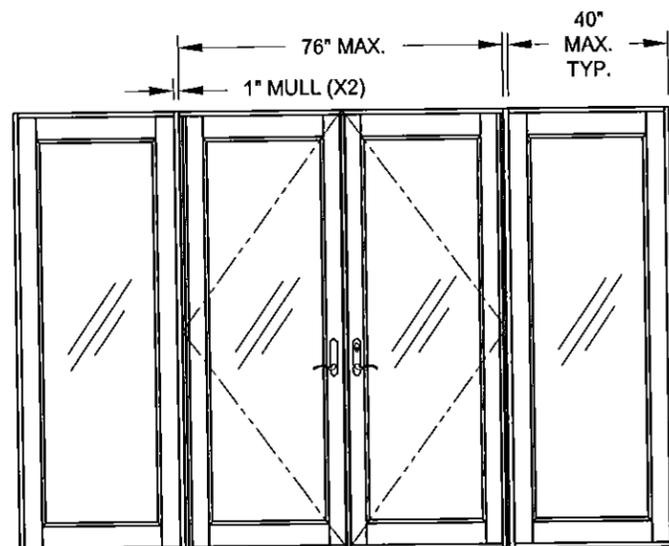


OIX (SHOWN) OR XIO  
(WIDE STILES AND WIDE RAILS SHOWN ON SIDELITES)

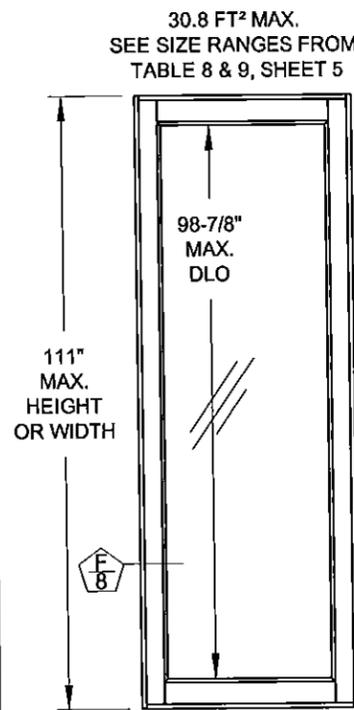


OIXIO  
(NARROW STILES AND WIDE RAILS SHOWN ON SIDELITES)

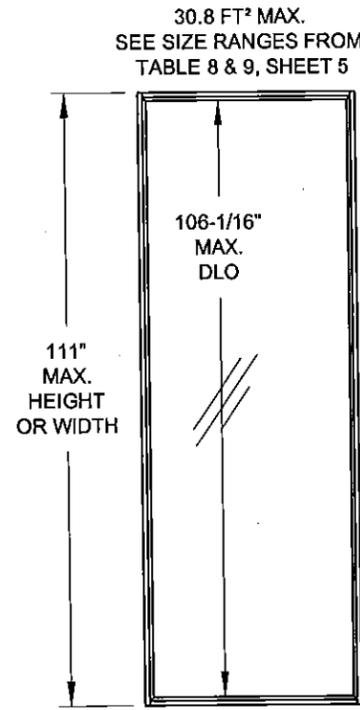
DETAIL  
SHEET #



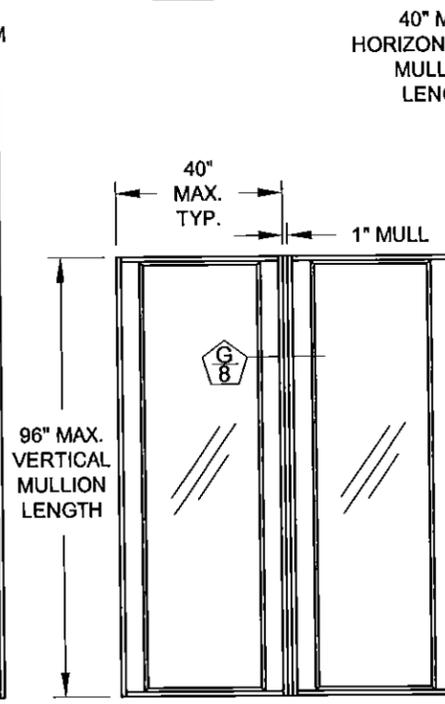
OIXXIO  
(WIDE STILES AND WIDE RAILS SHOWN ON SIDELITES)



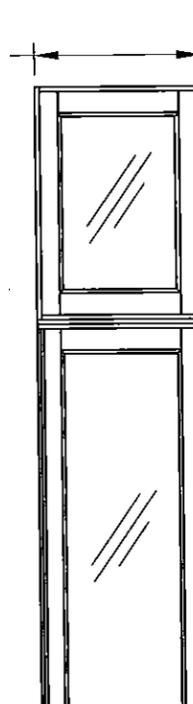
SINGLE O  
(WIDE STILES AND WIDE RAILS SHOWN ON SIDELITES)



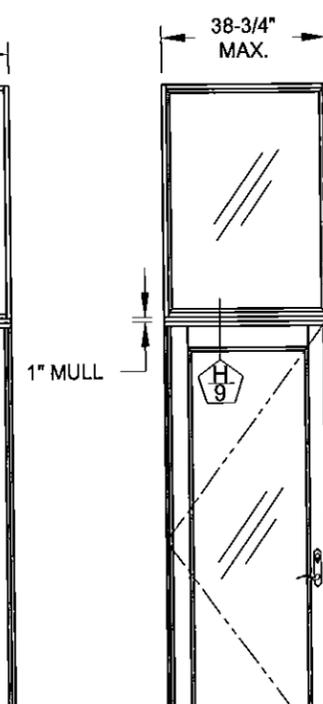
SINGLE O  
(NARROW STILES AND NARROW RAILS SHOWN ON SIDELITES)



OJO (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)



OIX WITH  
HORIZONTAL  
MULLION  
(NARROW STILES  
AND NARROW  
RAILS SHOWN ON  
TRANSOM)

NOTES:

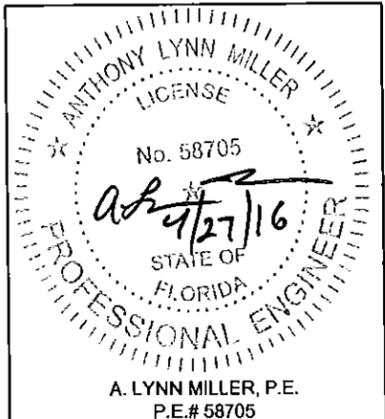
- 1) SINGLE DOORS MAY BE LEFT OR RIGHT-HANDED.
- 2) MULLIONS SHOWN ARE STANDARD 1" FRENCH DOOR MULLIONS PER THIS NOA.
- 3) MULLED CONFIGURATIONS NOT SHOWN MAY BE POSSIBLE USING OTHER MULLION TYPES, SEE SEPARATE NOA.
- 4) FRENCH DOOR MULLION IS LIMITED TO 96" IN VERTICAL APPLICATIONS AND 40" IN HORIZONTAL APPLICATIONS.
- 5) NARROW OR WIDE STILES AND RAILS MAY BE MIXED WITHIN THE SAME SLT/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 REVISED  
as complying with the Florida  
Building Code  
Acceptance No. 16-0126.05  
Expiration Date Jan 23, 2019  
By Manuel Perez  
Miami Dade Product Control

Rev. A) LIMITED OO CONFIG.  
JR - 01/24/16

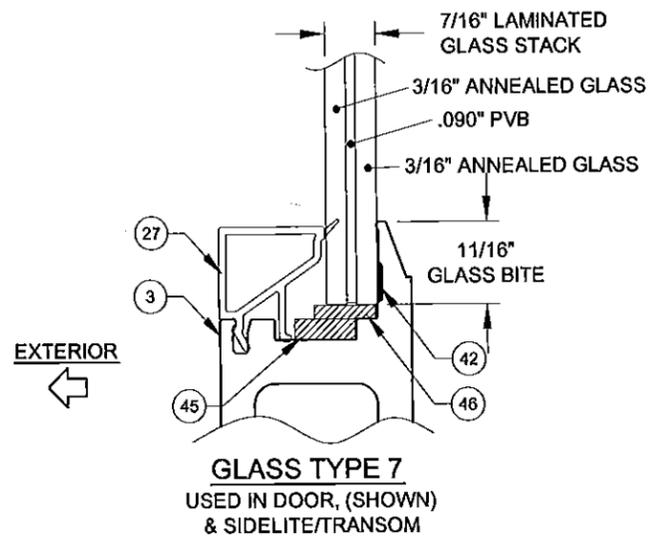
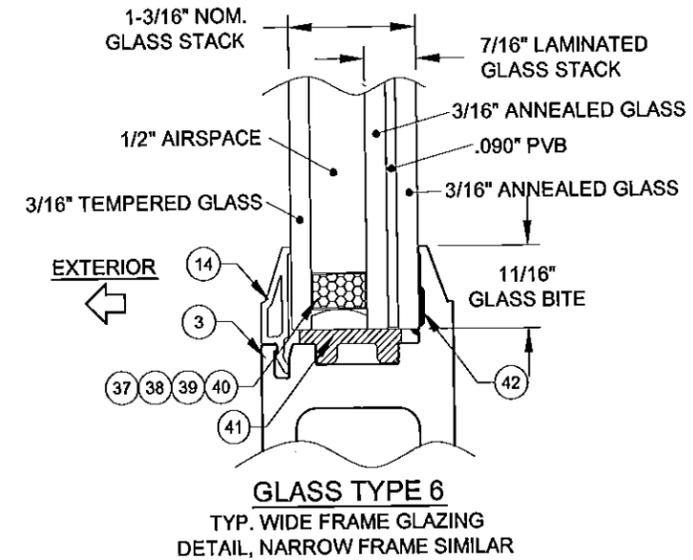
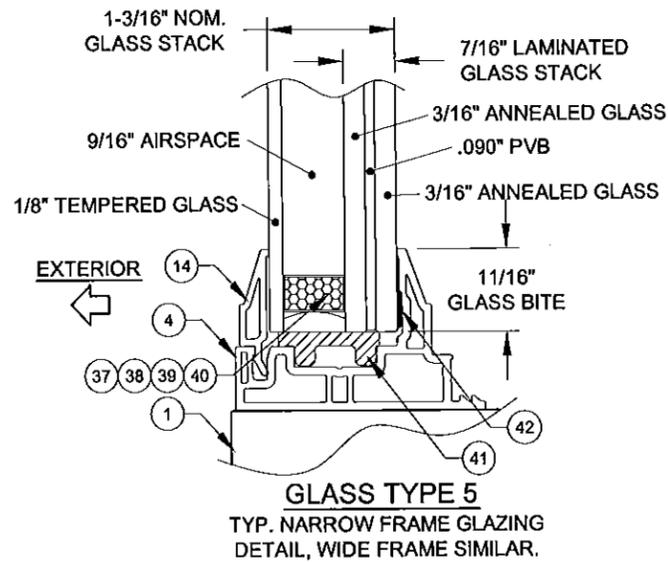
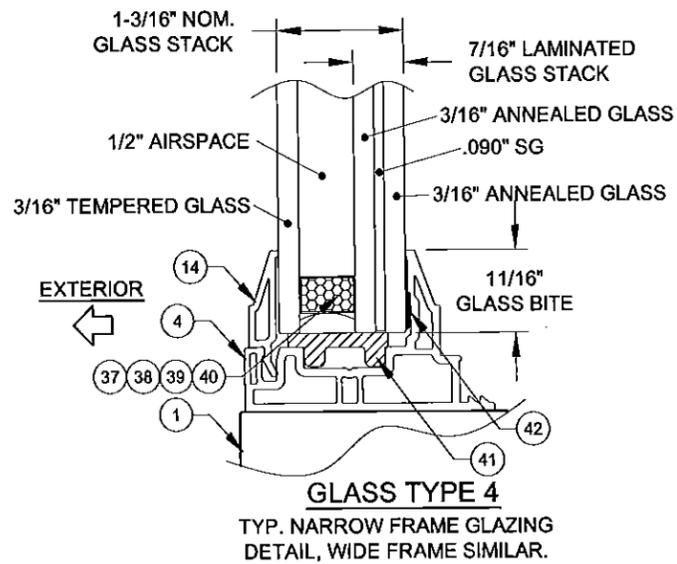
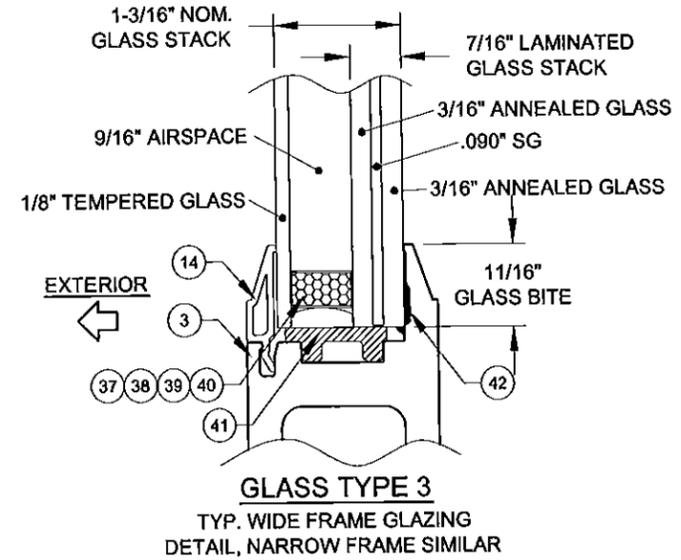
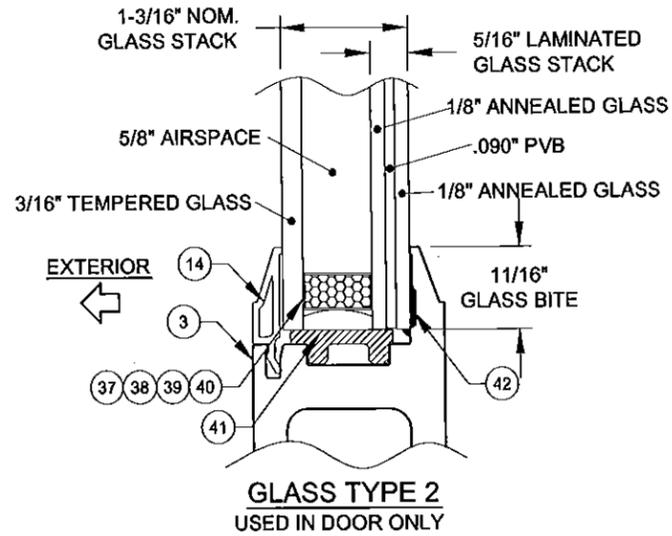
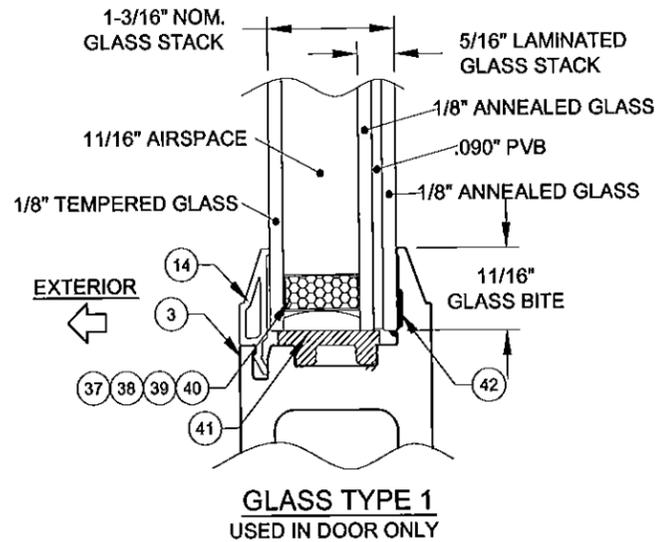
PREPARED BY: A. LYNN MILLER, P.E.  
1070 TECHNOLOGY DRIVE  
N. VENICE, FL 34275, (941) 480-1600  
CERT. OF AUTH. #29296

|   |        |                        |       |           |
|---|--------|------------------------|-------|-----------|
| 10100 N.W. 25th Street<br>Miami, FL 33172<br>Tel: 305.593.6590<br>Fax: 305.593.6592 | Date   | 5/7/13                 | Rev   | A         |
|   | By     | J ROSOWSKI             | No.   | MD-7700.1 |
| Impact Resistant<br>Windows & Doors<br>WE'RE STRONGER™                              | Drawn  | J ROSOWSKI             | DWG   | 2 OF 12   |
|   | Scale  | EXAMPLE CONFIGURATIONS | Sheet | NTS       |
| VINYL FRENCH DOOR AND SLT/TR  | Series | FD-7700                | Title | 2 OF 12   |



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

# GLAZING DETAILS



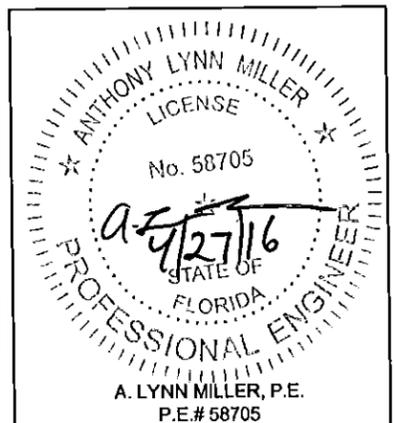
"PVB" = .090" BUTACITE® PVB INTERLAYER BY KURARAY AMERICA, INC.  
"SG" = .090" SENTRYGLAS® INTERLAYER BY KURARAY AMERICA, INC.

PRODUCT REVISED  
as complying with the Florida  
Building Code  
Acceptance No. 16-0126-05  
Expiration Date Jan. 23, 2019  
By *Manuel Perez*  
Miami Dade Product Control

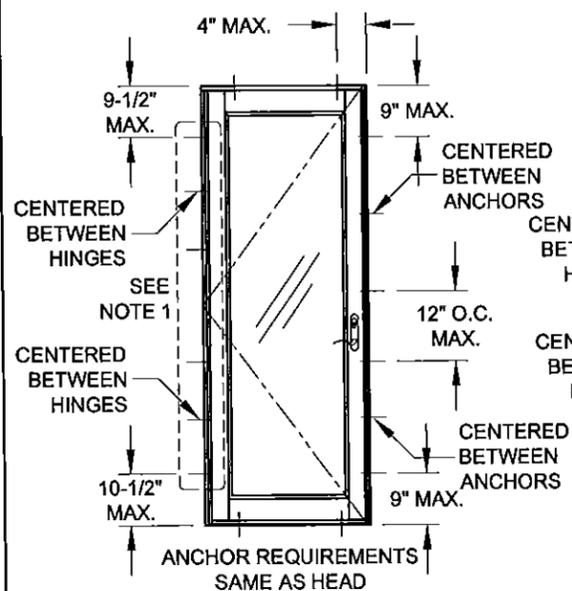
Rev. A) ADDED GLASS TYPE 7 & TPS  
JR - 01/24/16

PREPARED BY: A. LYNN MILLER, P.E.  
1070 TECHNOLOGY DRIVE  
N. VENICE, FL 34275, (941) 480-1600  
CERT. OF AUTH. #29296

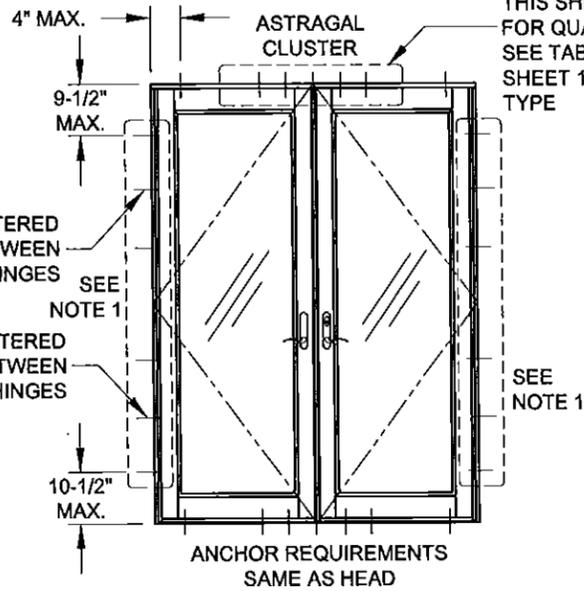
|   |          |                 |           |   |
|---|----------|-----------------|-----------|---|
| 10100 N.W. 25th Street<br>Miami, FL 33172<br>Tel: 305.593.6590<br>Fax: 305.593.6592 | Date     | 5/7/13          | Rev.      | A |
|   | Drawn By | J ROSOWSKI      | MD-7700.1 |   |
| Impact Resistant<br>Windows & Doors<br>WE'RE STRONGER™                              | Sheet    | 3 OF 12         | DWG No.   |   |
|   | Scale    | NTS             |           |   |
|   | Series   | FD-7700         |           |   |
| VINYL FRENCH DOOR AND SLT/TR  |          | GLAZING DETAILS |           |   |



**SINGLE DOOR INSTALLATION (X)**

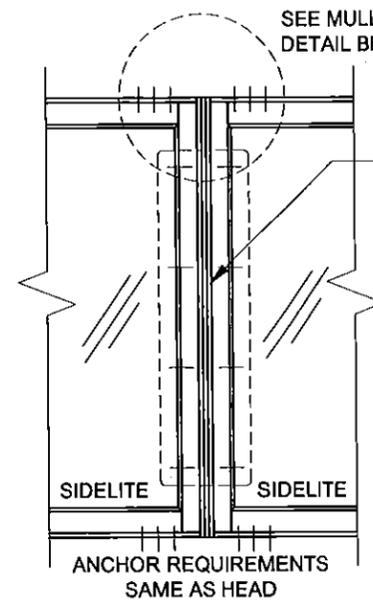


**DOUBLE DOOR INSTALLATION (XX)**



4" O.C. MIN., SEE TABLE 4, THIS SHEET, FOR QUANTITY, SEE TABLE 1, SHEET 1 FOR TYPE

**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)**

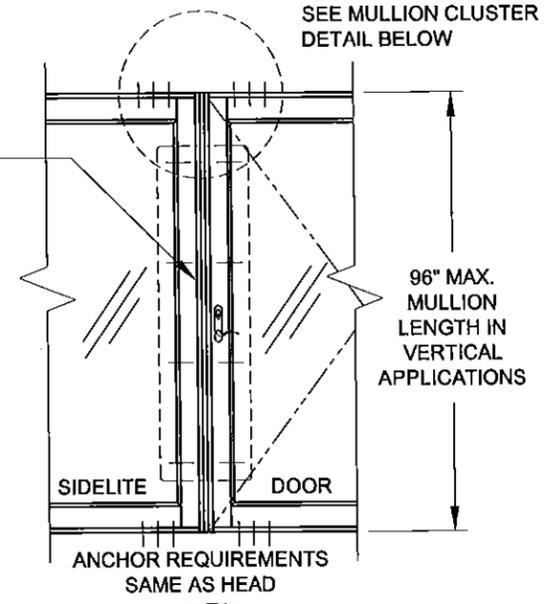
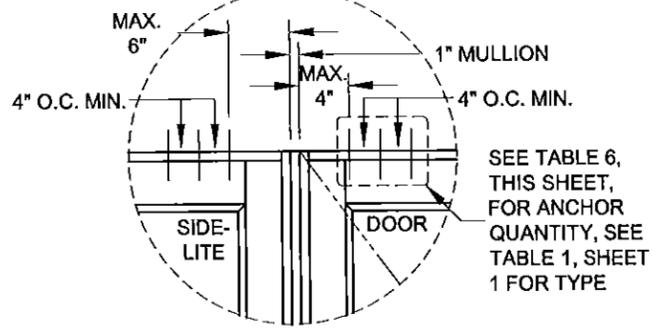
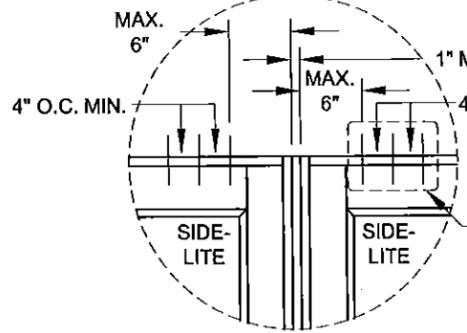


TABLE 5:  
**VERTICAL MULLION DESIGN PRESSURE**  
+/-70.0 PSF



SEE TABLE 6, THIS SHEET, FOR ANCHOR QUANTITY, SEE TABLE 1, SHEET 1 FOR TYPE

SEE TABLE 6, THIS SHEET, FOR ANCHOR QUANTITY, SEE TABLE 1, SHEET 1 FOR TYPE

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

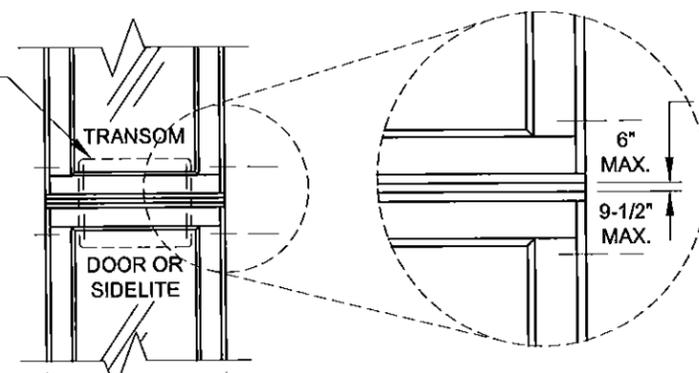
| Door Height (in) | Door Width (in)  |                |                  |                |                  |                |                |                |
|------------------|------------------|----------------|------------------|----------------|------------------|----------------|----------------|----------------|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

TABLE 3:  
**X & XX Door: Design Pressure**

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

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

ATTACH DOORS, SIDELITES & TRANSOMS TO THE MULLION AS PER THE INSTRUCTION OF THE INDIVIDUAL PRODUCT



1" MULLION  
6" MAX. HORIZONTAL MULLION APPLICATIONS ALWAYS REQUIRE TWO (2) ANCHORS (TYPE A-D) AT EACH MULLION END.

TABLE 7:  
**HORIZONTAL MULLION DESIGN PRESSURE**  
+/-70.0 PSF

40" MAX. MULLION LENGTH IN HORIZONTAL APPLICATIONS. TRANSOMS WIDER THAN 40" WILL REQUIRE ADDITIONAL STRUCTURE OR DADE-APPROVED MULLION BETWEEN TRANSOM AND DOOR/SIDELITE.

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             |                | 40             |                |
|                     | Anchor Group B-D                    | Anchor Group B&C | Anchor Group D | Anchor Group B | Anchor Group C | Anchor Group D | Anchor Group B | Anchor Group C | Anchor Group D | Anchor Group B | Anchor Group C | Anchor Group D |
| Door                | N/A                                 | 2                | 1              | 2              | 2              | 1              | 3              | 2              | 1              | N/A            | N/A            | N/A            |
| SLT/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            |
| SLT/TR              | 1                                   | 2                | 1              | 3              | 2              | 1              | 3              | 3              | 2              | 3              | 3              | 2              |

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

**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 ULTRA CON 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 REVISED as complying with the Florida Building Code Acceptance No. Expiration Date  
By Miami Dade Product Control

Rev: A) ADDED GLASS TYPE 7 TO TABLE 3; JR - 01/24/16  
PREPARED BY: A. LYNN MILLER, P.E. 1070 TECHNOLOGY DRIVE N. VENICE, FL 34275, (941) 480-1600 CERT. OF AUTH. #29296

10100 N.W. 25th Street Miami, FL 33172  
Tel: 305.593.6590 Fax: 305.593.6592

Impact Resistant Windows & Doors WE'RE STRONGER™

VINYL FRENCH DOOR AND SLT/TR  
DESIGN PRESSURE 1

5/7/13 Date  
J ROSOWSKI By  
MD-7700.1 No  
4 OF 12 DWG  
FD-7700 Sheet  
NTS Scale  
A Rev

ANTHONY LYNN MILLER LICENSE No. 58705  
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   | +/-70   | +/-69.6 | +/-68.6 | +/-67.7 | +/-67.3 |         |       |
|                 | 46      | +/-70   | +/-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 | +/-67   | +/-65.8 | +/-64.7 |         |         |         |       |
|                 | 50      | +/-70   | +/-70   | +/-70   | +/-70   | +/-70   | +/-70   | +/-68.4 | +/-67.6 | +/-66   | +/-65.4 | +/-64.1 |         |         |         |         |       |
|                 | 52      | +/-70   | +/-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   |         |         |         |         |         |         |         |         |         |         |         |         |         |         |       |

SIDELITE/TRANSOM INSTALLATION (O)

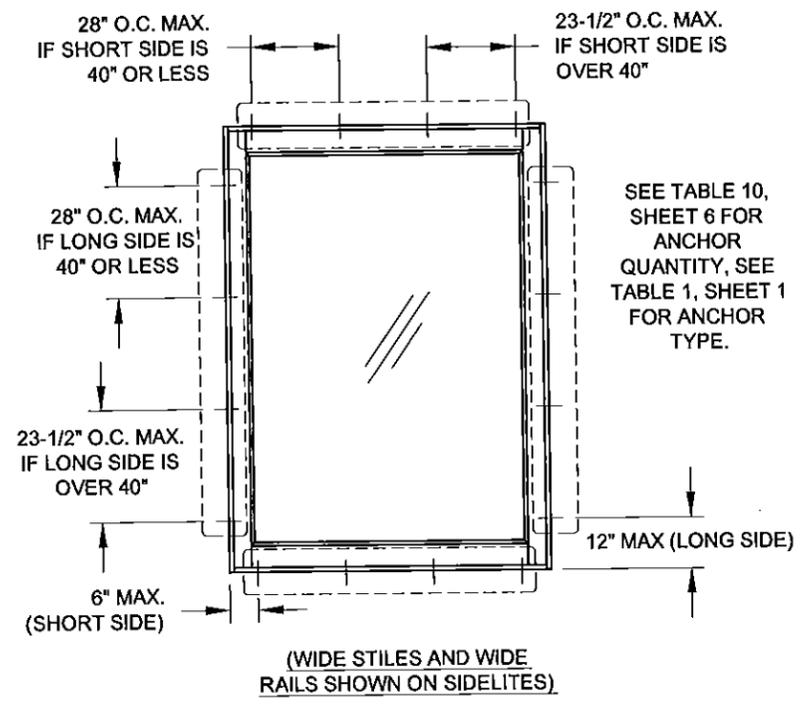
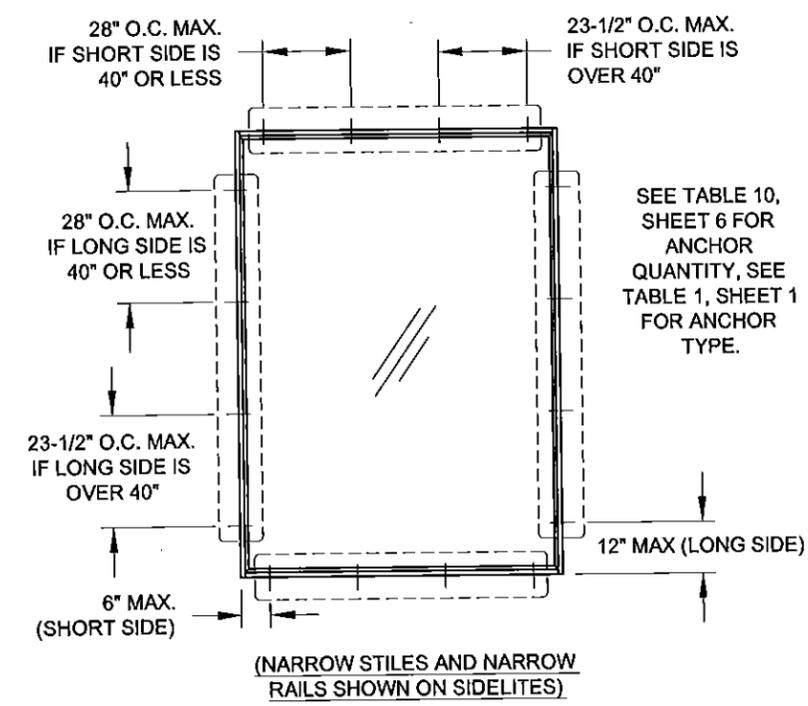


TABLE 9:

|                 |         | 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   | +/-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.

PRODUCT REVISED as complying with the Florida Building Code  
 Acceptance No. 16-0126-05  
 Expiration Date Jan 23, 2019  
 By Manuel J. Rosowski  
 Miami Trade Product Control

Rev. A) ADDED GLASS TYPE 7 TO TABLE 9; JR - 01/24/16

PREPARED BY: A. LYNN MILLER, P.E.  
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10100 N.W. 25th Street  
 Miami, FL 33172  
 Tel: 305.593.6590  
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5/7/13  
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 MD-7700.1  
 5 OF 12  
 NTS

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

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

TABLE 10:

Sidelite/Transom Anchor Quantity

| Short Side (in) |            | Long Side (in) |                   |                |                   |                |                   |                |                   |                |                   |                |                   |                |                   |                |                   |                |                   |                |                   |                |                   |                |                   |                |                   |                |                   |                |                   |                |                   |
|-----------------|------------|----------------|-------------------|----------------|-------------------|----------------|-------------------|----------------|-------------------|----------------|-------------------|----------------|-------------------|----------------|-------------------|----------------|-------------------|----------------|-------------------|----------------|-------------------|----------------|-------------------|----------------|-------------------|----------------|-------------------|----------------|-------------------|----------------|-------------------|----------------|-------------------|
|                 |            | 63-3/16        |                   | 66-5/8         |                   | 68             |                   | 70             |                   | 72             |                   | 76             |                   | 78             |                   | 82             |                   | 84             |                   | 88             |                   | 92             |                   | 96             |                   | 98             |                   | 104            |                   | 108            |                   | 111            |                   |
|                 |            | 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              | 2                 | 2              |                   |
|                 | Long Side  | 4              | 4                 | 4              | 4                 | 4              | 4                 | 4              | 4                 | 4              | 4                 | 4              | 4                 | 4              | 4                 | 4              | 5                 | 5              | 5                 | 5              | 5                 | 5              | 5                 | 5              | 5                 | 5              | 6                 | 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              | 2                 | 2              |                   |
|                 | Long Side  | 4              | 4                 | 4              | 4                 | 4              | 4                 | 4              | 4                 | 4              | 4                 | 5              | 4                 | 5              | 4                 | 5              | 4                 | 5              | 5                 | 5              | 5                 | 6              | 5                 | 6              | 5                 | 6              | 5                 | 6              | 5                 | 5              | 7                 | 6              | 7                 |
| 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              | 2                 | 2              | 2                 |
|                 | Long Side  | 4              | 4                 | 4              | 4                 | 4              | 4                 | 4              | 4                 | 4              | 5                 | 4              | 5                 | 4              | 5                 | 4              | 5                 | 4              | 6                 | 5              | 6                 | 5              | 6                 | 5              | 7                 | 5              | 7                 | 5              | 5                 | 7              | 6                 | 8              | 6                 |
| 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              | 2                 | 2              | 2                 |
|                 | Long Side  | 4              | 4                 | 5              | 4                 | 5              | 4                 | 5              | 4                 | 5              | 4                 | 5              | 4                 | 5              | 4                 | 6              | 4                 | 6              | 5                 | 6              | 5                 | 7              | 5                 | 7              | 5                 | 7              | 5                 | 8              | 5                 | 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              | 2                 | 2              | 2                 |
|                 | Long Side  | 4              | 4                 | 5              | 4                 | 5              | 4                 | 5              | 4                 | 5              | 4                 | 6              | 4                 | 6              | 4                 | 6              | 4                 | 6              | 5                 | 7              | 5                 | 7              | 5                 | 7              | 5                 | 8              | 5                 | 8              | 5                 | 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              | 2                 | 2              | 2                 |
|                 | Long Side  | 4              | 4                 | 5              | 4                 | 5              | 4                 | 5              | 4                 | 5              | 4                 | 6              | 4                 | 6              | 4                 | 6              | 4                 | 6              | 5                 | 7              | 5                 | 7              | 5                 | 8              | 5                 | 8              | 5                 | 8              | 5                 | 5              | 9                 | 6              | 9                 |
| 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              | 3                 | 3              | 3                 |
|                 | Long Side  | 5              | 4                 | 5              | 4                 | 5              | 4                 | 5              | 4                 | 5              | 4                 | 6              | 4                 | 6              | 4                 | 6              | 4                 | 7              | 5                 | 7              | 5                 | 7              | 5                 | 8              | 5                 | 8              | 5                 | 8              | 5                 | 6              | 5                 |                |                   |
| 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              | 3                 | 3              | 3                 |
|                 | Long Side  | 5              | 4                 | 5              | 4                 | 5              | 4                 | 5              | 4                 | 6              | 4                 | 6              | 4                 | 6              | 4                 | 7              | 4                 | 7              | 4                 | 7              | 5                 | 7              | 5                 | 8              | 5                 | 8              | 5                 |                |                   |                |                   |                |                   |
| 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              | 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                 |                |                   |                |                   |                |                   |                |                   |
| 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              | 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                 |                |                   |                |                   |                |                   |                |                   |                |                   |
| 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              | 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                 |                |                   |                |                   |                |                   |                |                   |                |                   |                |                   |
| 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              | 3                 | 4              | 3                 |
|                 | Long Side  | 5              | 4                 | 5              | 4                 | 6              | 4                 | 6              | 4                 | 6              | 4                 | 6              | 4                 | 6              | 4                 | 7              | 4                 | 7              | 5                 |                |                   |                |                   |                |                   |                |                   |                |                   |                |                   |                |                   |
| 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              | 3                 | 4              | 3                 |
|                 | Long Side  | 5              | 4                 | 5              | 4                 | 6              | 4                 | 6              | 4                 | 6              | 4                 | 6              | 4                 | 6              | 4                 | 7              | 4                 | 7              | 5                 |                |                   |                |                   |                |                   |                |                   |                |                   |                |                   |                |                   |
| 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              | 3                 | 4              | 3                 |
|                 | Long Side  | 5              | 4                 | 6              | 4                 | 6              | 4                 | 6              | 4                 | 6              | 4                 | 6              | 4                 | 6              | 4                 | 6              | 4                 |                |                   |                |                   |                |                   |                |                   |                |                   |                |                   |                |                   |                |                   |
| 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              | 3                 | 4              | 3                 |
|                 | Long Side  | 5              | 4                 | 6              | 4                 | 6              | 4                 | 6              | 4                 | 6              | 4                 | 6              | 4                 | 6              | 4                 | 6              | 4                 | 6              | 4                 |                |                   |                |                   |                |                   |                |                   |                |                   |                |                   |                |                   |
| 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              | 4                 | 5              | 4                 |
|                 | Long Side  | 5              | 4                 | 6              | 4                 | 6              | 4                 | 6              | 4                 | 6              | 4                 | 6              | 4                 | 6              | 4                 | 6              | 4                 |                |                   |                |                   |                |                   |                |                   |                |                   |                |                   |                |                   |                |                   |
| 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              | 4                 | 5              | 4                 |
|                 | Long Side  | 5              | 4                 | 6              | 4                 | 6              | 4                 | 6              | 4                 | 6              | 4                 | 6              | 4                 | 6              | 4                 | 6              | 4                 |                |                   |                |                   |                |                   |                |                   |                |                   |                |                   |                |                   |                |                   |
| 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              | 4                 | 5              | 4                 |
|                 | Long Side  | 5              | 4                 | 6              | 4                 | 6              | 4                 | 6              | 4                 | 6              | 4                 | 6              | 4                 | 6              | 4                 | 6              | 4                 |                |                   |                |                   |                |                   |                |                   |                |                   |                |                   |                |                   |                |                   |
| 66-5/8          | Short 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              | 4                 | 6              | 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              | 4                 | 6              | 4                 |

NOTES:

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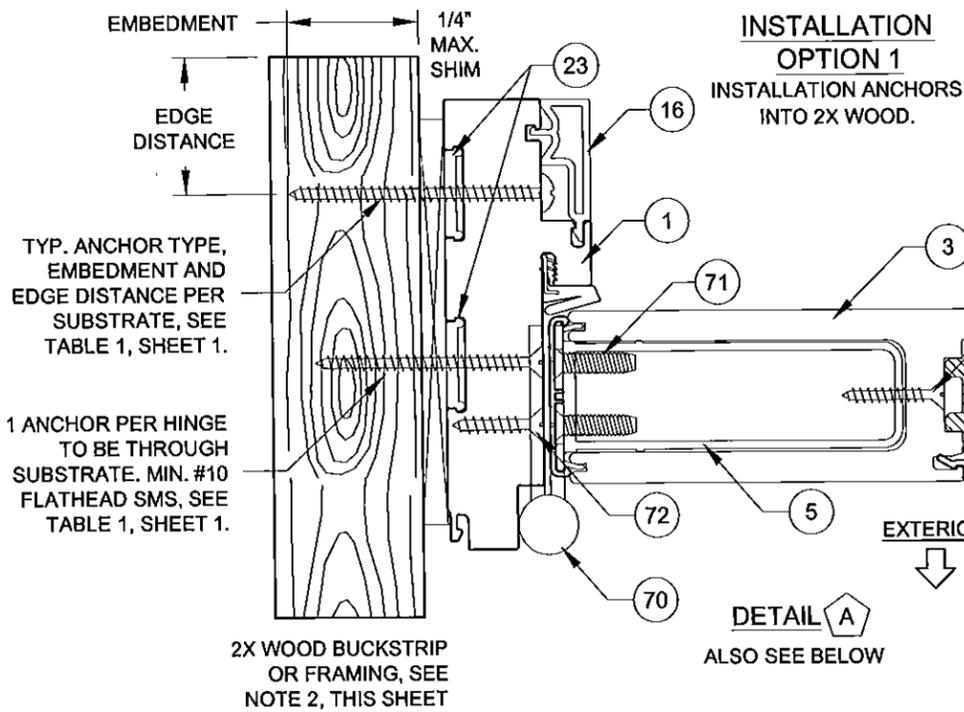
PRODUCT REVISED  
 as complying with the Florida  
 Building Code  
 Acceptance No. **16-0126-05**  
 Expiration Date **Jan 23, 2019**  
 By **Manuel Perez**  
 Miami Trade Product Control

Rev: A) NO CHANGES THIS SHEET  
 JR - 01/24/16

PREPARED BY: A. LYNN MILLER, P.E.  
 1070 TECHNOLOGY DRIVE  
 N. VENICE, FL 34275, (941) 480-1600  
 CERT. OF AUTH. #29296

|   |          |            |           |   |
|---|----------|------------|-----------|---|
| 10100 N.W. 25th Street<br>Miami, FL 33172<br>Tel: 305.593.6590<br>Fax: 305.593.6592   | Date     | 5/7/13     | Rev       | A |
|   | Drawn By | J ROSOWSKI | MD-7700.1 |   |
|  VINYL FRENCH DOOR AND SLT/TR<br>SLT/TR ANCHOR QUANTITIES<br>FD-7700 NTS | Scale    | 6 OF 12    | Sheet     |   |
|   | Series   |            |           |   |

ANTHONY LYNN MILLER  
 LICENSE  
 No. 58705  
 5/12/16  
 STATE OF FLORIDA  
 PROFESSIONAL ENGINEER  
 A. LYNN MILLER, P.E.  
 P.E.# 58705

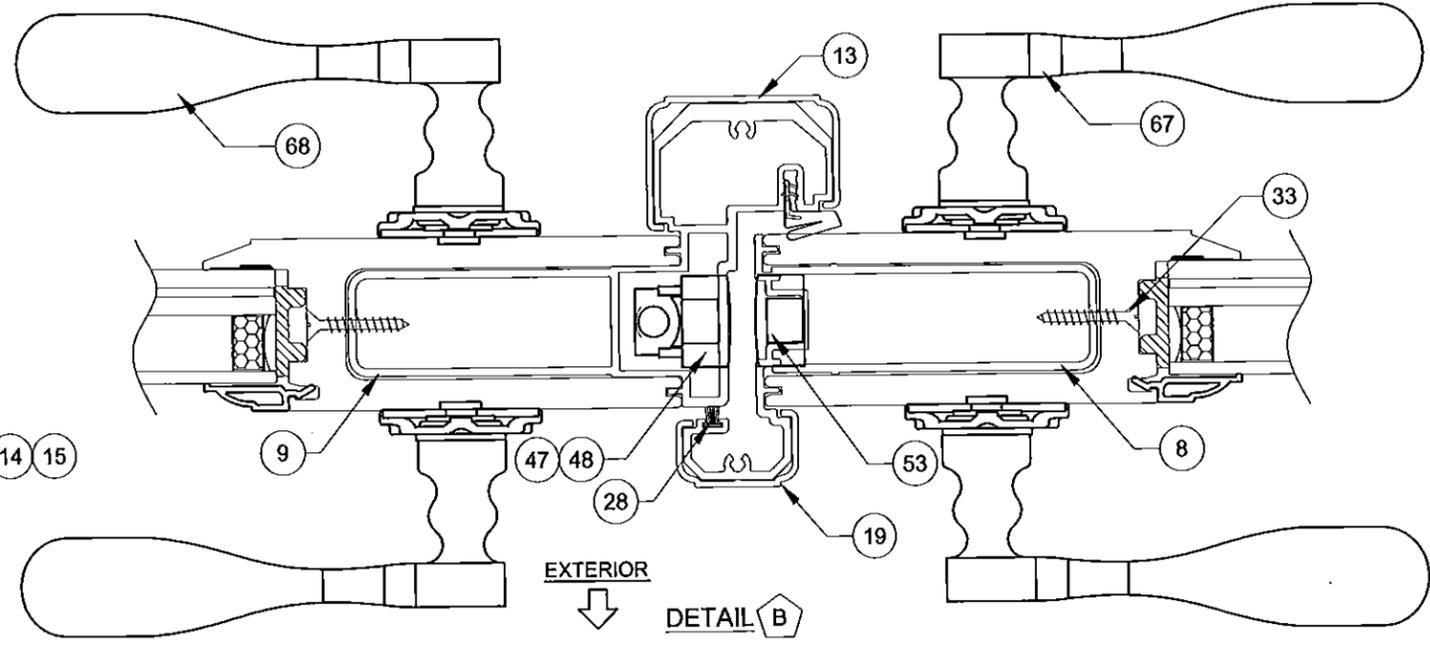


TYP. ANCHOR TYPE, EMBEDMENT AND EDGE DISTANCE PER SUBSTRATE, SEE TABLE 1, SHEET 1.

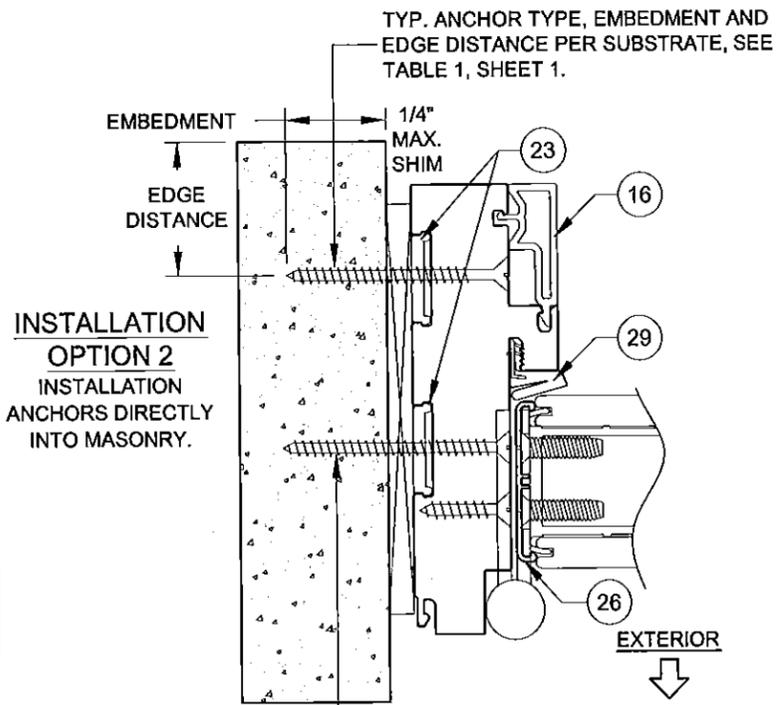
1 ANCHOR PER HINGE TO BE THROUGH SUBSTRATE. MIN. #10 FLATHEAD SMS, SEE TABLE 1, SHEET 1.

2X WOOD BUCKSTRIP OR FRAMING, SEE NOTE 2, THIS SHEET

DETAIL A  
ALSO SEE BELOW

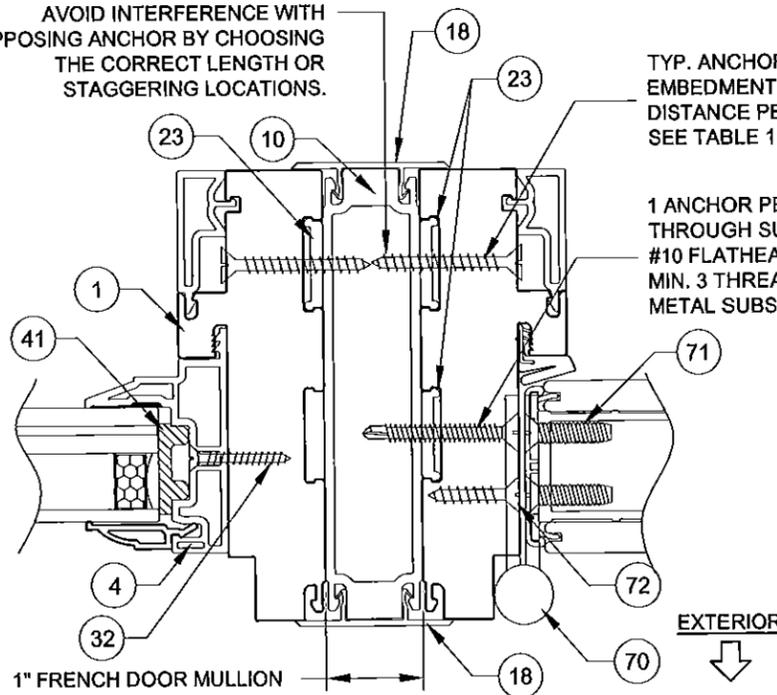


**INSTALLATION OPTION 2**  
INSTALLATION ANCHORS DIRECTLY INTO MASONRY.



1 ANCHOR PER HINGE TO BE THROUGH SUBSTRATE. MIN. 3/16\"/>

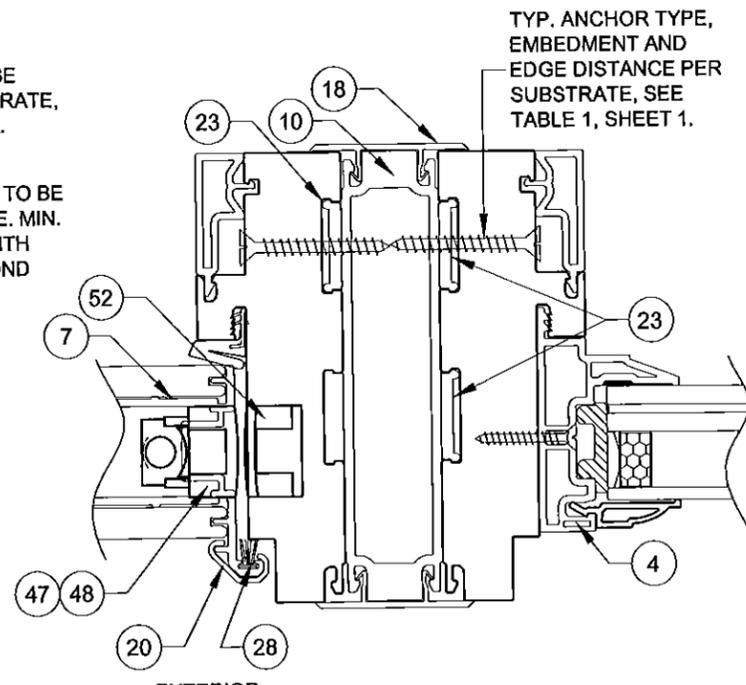
TYP. ANCHOR TYPE, EMBEDMENT AND EDGE DISTANCE PER SUBSTRATE, SEE TABLE 1, SHEET 1. AVOID INTERFERENCE WITH OPPOSING ANCHOR BY CHOOSING THE CORRECT LENGTH OR STAGGERING LOCATIONS.



DETAIL I  
1\"/>

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

1 ANCHOR PER HINGE TO BE THROUGH SUBSTRATE. MIN. #10 FLATHEAD SMS WITH MIN. 3 THREADS BEYOND METAL SUBSTRATE.



DETAIL J

**INSTALLATION NOTES:**

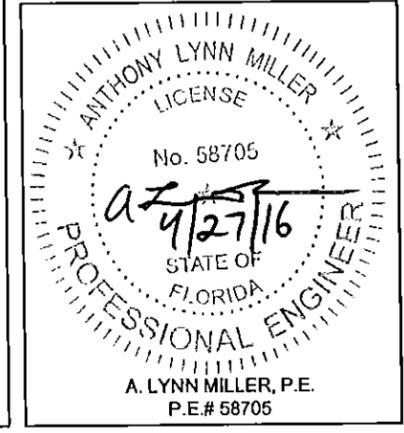
- 1) USE ONLY SUBSTRATE-APPROPRIATE ANCHORS LISTED ON TABLE 1, SHEET 1. FOLLOW EMBEDMENT AND EDGE DISTANCE LIMITS. ANY INSTALLATION OPTION SHOWN MAY BE USED ON ANY SIDE OF THE DOOR, SIDELITE OR TRANSOM.
- 2) WOOD BUCKS DEPICTED ON THIS SHEET AS "1X", ARE BUCKS WHOSE TOTAL THICKNESS IS LESS THAN 1-1/2".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

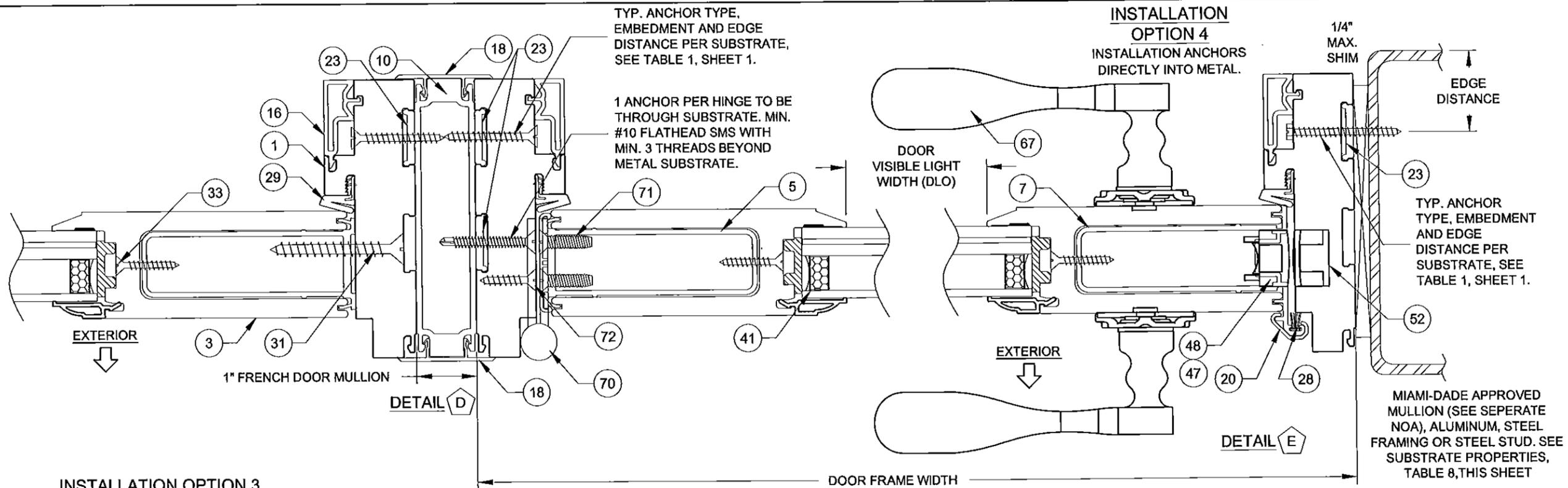
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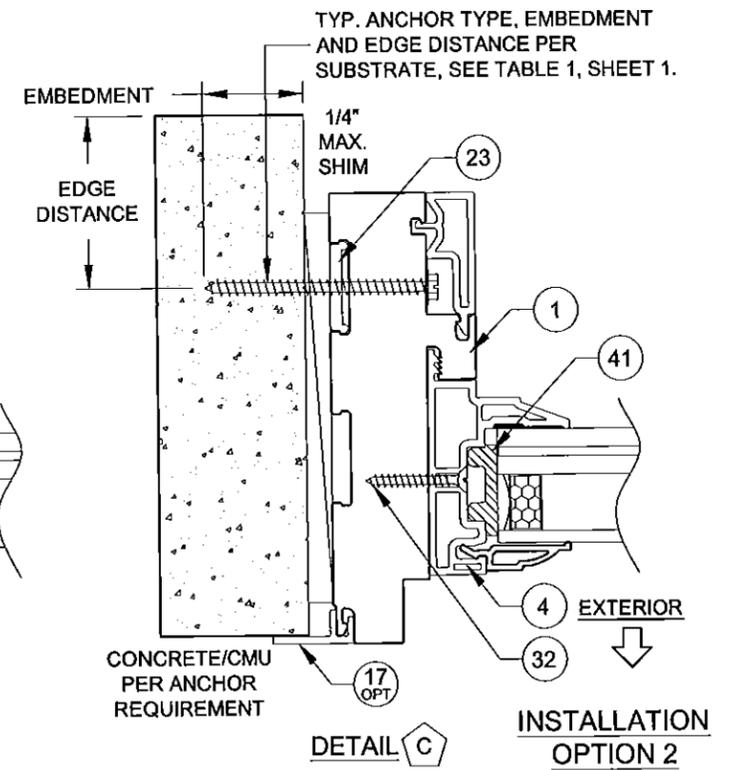
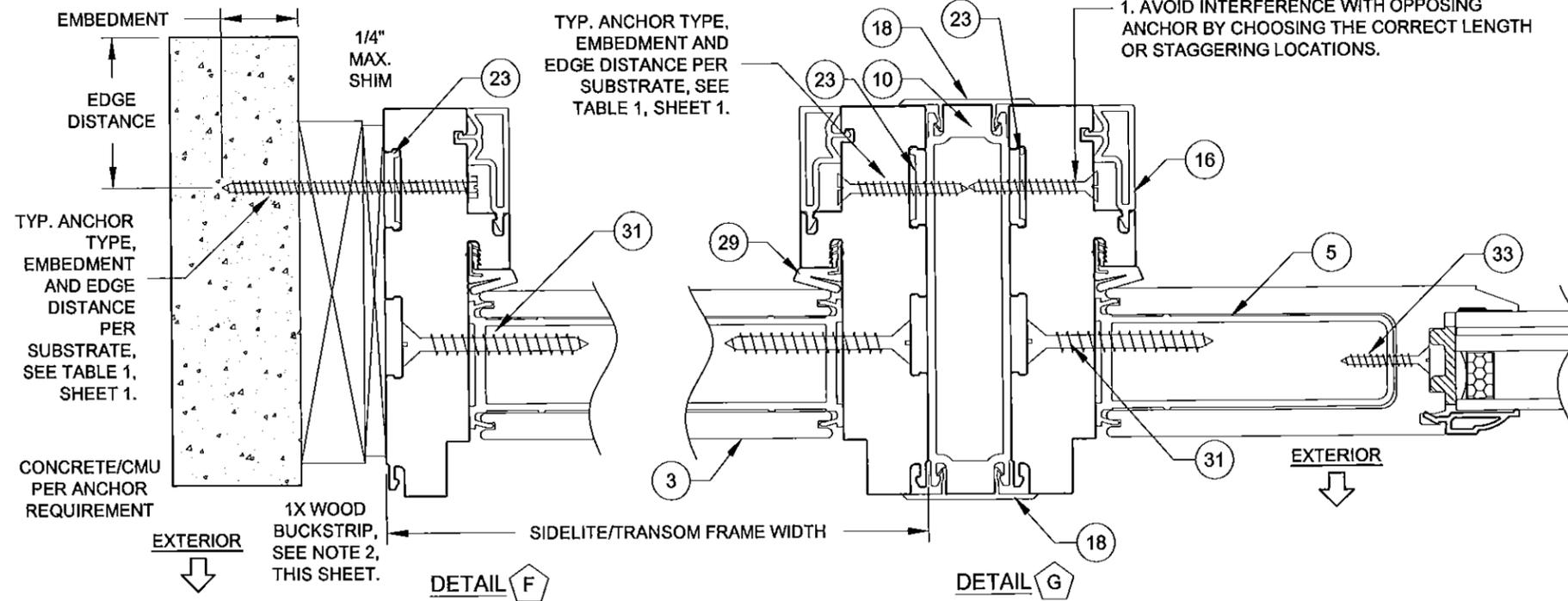
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 1070 TECHNOLOGY DRIVE  
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 CERT. OF AUTH. #29296

|   |          |            |        |                              |
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| 10100 N.W. 25th Street<br>Miami, FL 33172<br>Tel: 305.593.6590<br>Fax: 305.593.6592 | Date     | 5/7/13     | Rev.   | A                            |
|   | Drawn By | J ROSOWSKI | DWG No | MD-7700.1                    |
| Impact Resistant Windows & Doors<br>WE'RE STRONGER™                                 | Scale    | NTS        | Sheet  | 7 OF 12                      |
|   | Series   | FD-7700    | Desc   | VINYL FRENCH DOOR AND SLT/TR |
| VINYL FRENCH DOOR AND SLT/TR  | Scale    | NTS        | Sheet  | 7 OF 12                      |
|   | Series   | FD-7700    | Desc   | VINYL FRENCH DOOR AND SLT/TR |





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



**INSTALLATION NOTES:**

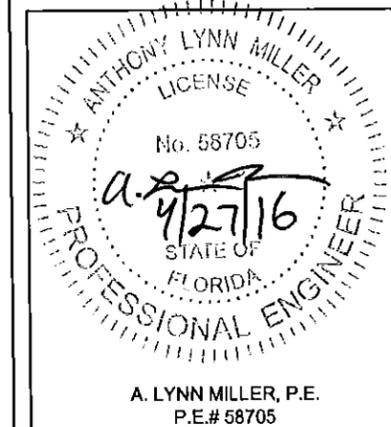
- 1) USE ONLY SUBSTRATE-APPROPRIATE ANCHORS LISTED ON TABLE 1, SHEET 1. FOLLOW EMBEDMENT AND EDGE DISTANCE LIMITS. ANY INSTALLATION OPTION SHOWN MAY BE USED ON ANY SIDE OF THE DOOR, SIDELITE OR TRANSOM.
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- 4) IF APPLICABLE, LOWEST DESIGN PRESSURE FROM DOOR, SIDELITE, TRANSOM OR MULLION APPLIES TO THE WHOLE SYSTEM.

PRODUCT REVISED  
as complying with the Florida  
Building Code  
Acceptance No. **16-0126.05**  
Expiration Date **Jan. 23, 2019**  
By *Manuel Perez*  
Miami Dade Product Control

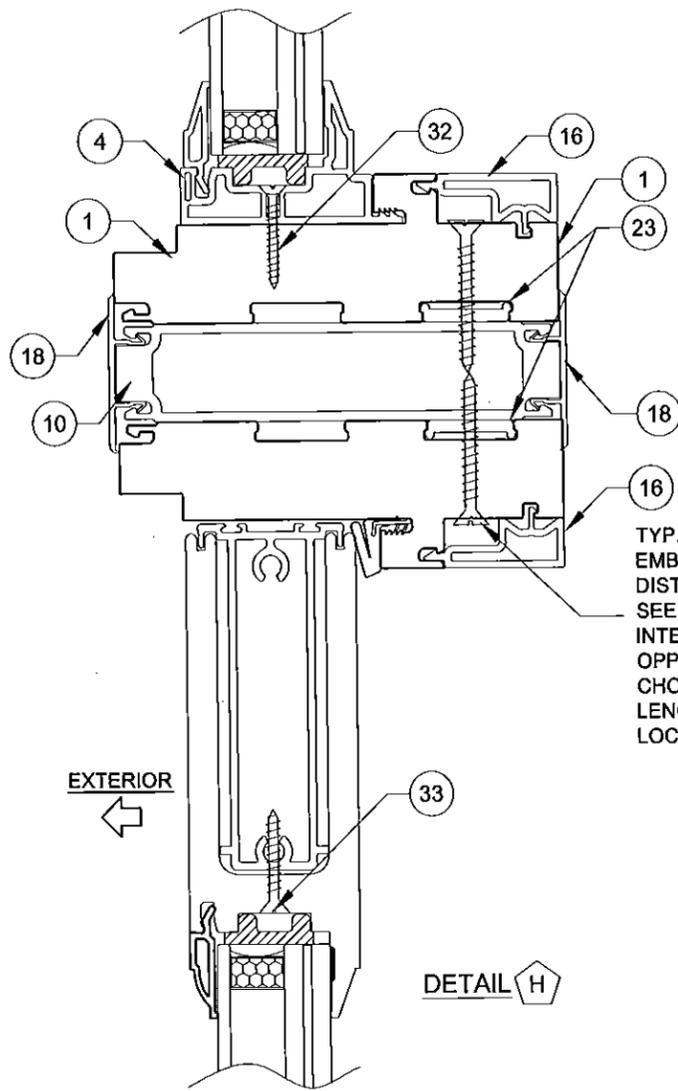
Rev. A) NO CHANGES THIS SHEET  
JR - 01/24/16

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1070 TECHNOLOGY DRIVE  
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|   |              |                              |         |                |
|---|--------------|------------------------------|---------|----------------|
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|   | Drawn By     | J ROSOWSKI                   | MDG No. | MD-7700.1      |
| Impact Resistant<br>Windows & Doors<br>WERE STRONGER™                               | Sheet        | 8 OF 12                      | Scale   | NTS            |
|   | Series Desc. | VINYL FRENCH DOOR AND SLT/TR | FD-7700 | INSTALLATION 2 |



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



**INSTALLATION NOTES:**

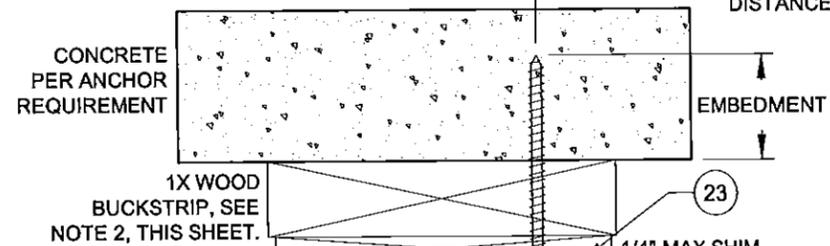
1) USE ONLY SUBSTRATE-APPROPRIATE ANCHORS LISTED ON TABLE 1, SHEET 1. FOLLOW EMBEDMENT AND EDGE DISTANCE LIMITS. ANY INSTALLATION OPTION SHOWN MAY BE USED ON ANY SIDE OF THE DOOR, SIDELITE OR TRANSOM.

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.

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



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.

DETAIL I

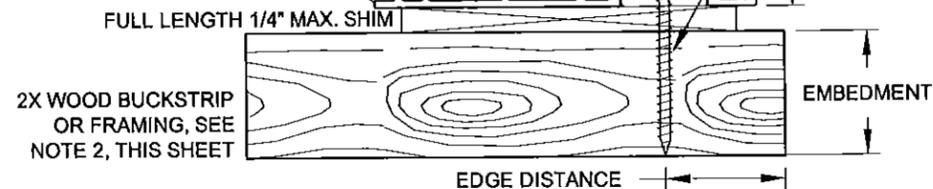
DOOR  
VISIBLE LIGHT  
HEIGHT (DLO)

DOOR  
FRAME  
HEIGHT

EXTERIOR

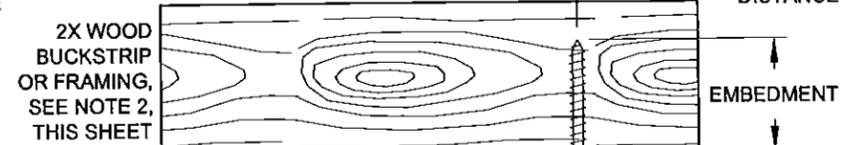
DETAIL J

**INSTALLATION  
OPTION 1**  
INSTALLATION ANCHORS  
INTO 2X WOOD.



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

**INSTALLATION OPTION 4**  
INSTALLATION ANCHORS THROUGH  
1X BUCKSTRIP INTO 2X WOOD.



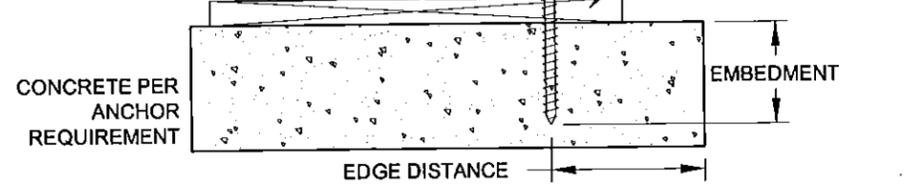
TYP. ANCHOR TYPE, EMBEDMENT AND EDGE DISTANCE PER SUBSTRATE, SEE TABLE 1, SHEET 1.

DETAIL K

SIDELITE/  
TRANSOM  
FRAME  
HEIGHT

DETAIL L

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



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

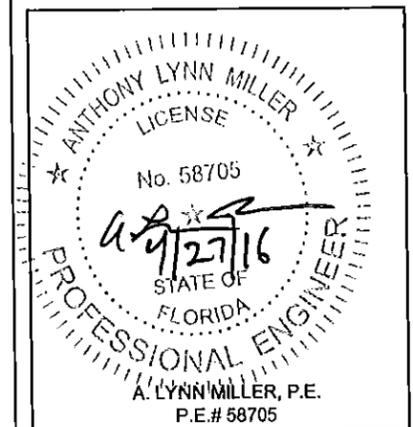
1/4" MAX. SHIM OR 3.4 KSI NON-SHRINK, NON-METALLIC GROUT - FULL LENGTH

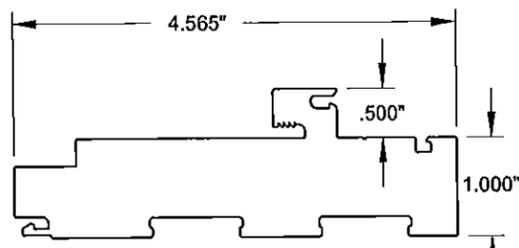
**PRODUCT REVISED**  
as complying with the Florida  
Building Code  
Acceptance No. *16-0126-05*  
Expiration Date *Jan 23, 2019*  
By *Manuel Perez*  
Miami, Date Product Control

Rev. A) NO CHANGES THIS SHEET  
JR - 01/24/16

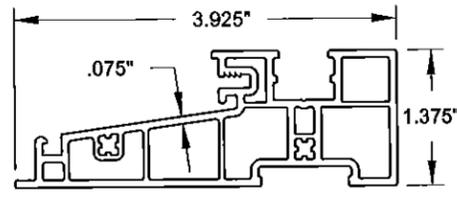
PREPARED BY: A. LYNN MILLER, P.E.  
1070 TECHNOLOGY DRIVE  
N. VENICE, FL 34275, (941) 480-1600  
CERT. OF AUTH. #29296

|  |          |            |            |       |
|--|----------|------------|------------|-------|
| 10100 N.W. 25th Street<br>Miami, FL 33172<br>Tel: 305.593.6590<br>Fax: 305.593.6592                                  | Date     | 5/7/13     | J ROSOWSKI | A     |
|  | Drawn By | J ROSOWSKI |            |       |
| <b>Impact Resistant<br/>Windows &amp; Doors</b><br>WE'RE STRONGER™<br>VINYL FRENCH DOOR AND SLT/TR<br>INSTALLATION 3 | DWG No.  | 9 OF 12    | NTS        | Scale |
|  | Sheet    | FD-7700    | NTS        | Scale |
|  | Series   | FD-7700    | NTS        | Scale |

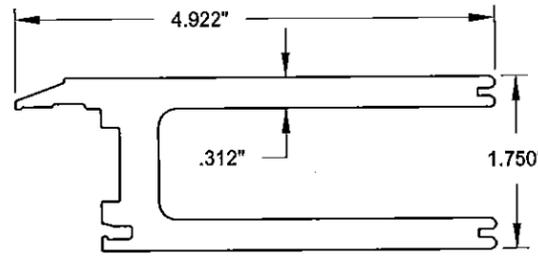




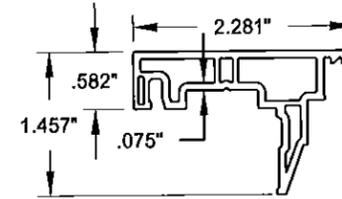
1 **FRAME HEAD & JAMB**  
#20000, Rigid Cellular PVC



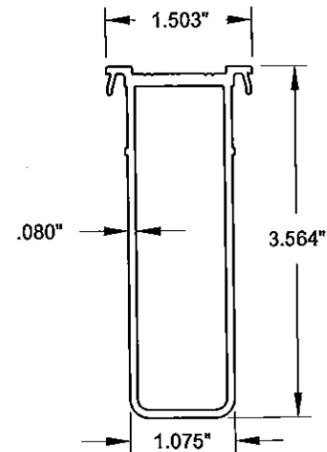
2 **FRAME SILL**  
#20001, Rigid PVC



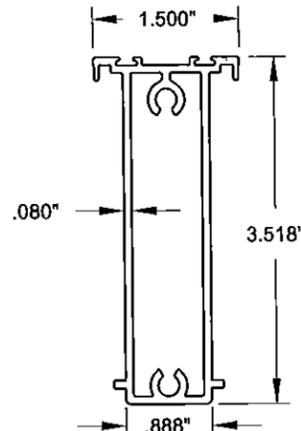
3 **PANEL RAIL & STILE**  
#20002, Rigid Cellular PVC



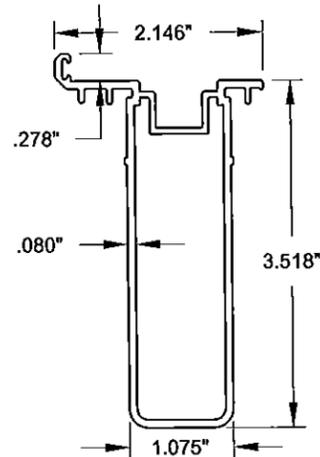
4 **SIDELITE ADAPTER**  
#20003, Rigid PVC



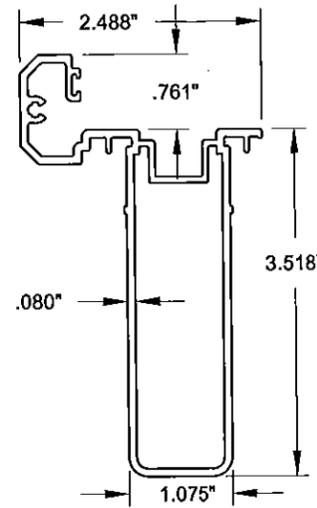
5 **HINGE STILE REINFORCEMENT**  
#20013, 6063-T6



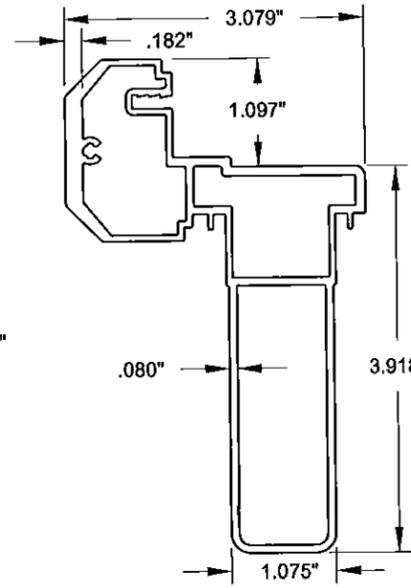
6 **TOP & BOTTOM RAIL REINFORCEMENT**  
#20014, 6063-T6



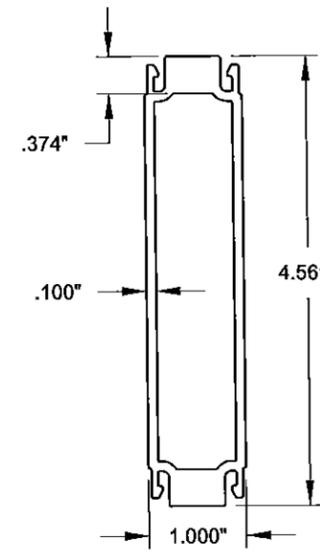
7 **PANEL STILE REINFORCEMENT**  
#20015, 6063-T6



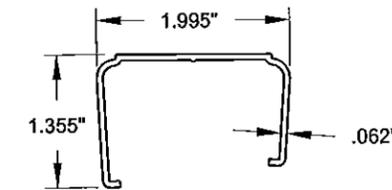
8 **ACTIVE ASTRAGAL**  
#20016, 6063-T6



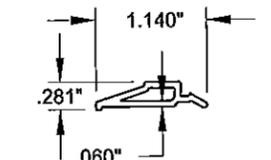
9 **INACTIVE ASTRAGAL**  
#20017, 6063-T6



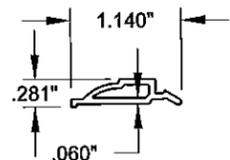
10 **1\"/>**



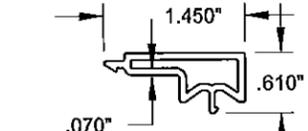
13 **INACTIVE ASTRAGAL COVER**  
#20045, Rigid PVC



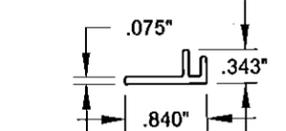
14 **BEVELED BEAD**  
#20005, Rigid PVC



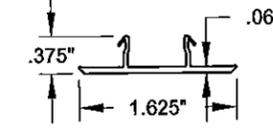
15 **OGEE BEAD**  
#20006, Rigid PVC



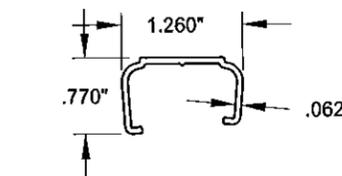
16 **FRAME SCREW COVER**  
#20007, Rigid PVC



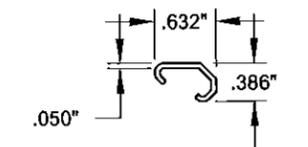
17 **ADD-ON FIN/FLANGE**  
#20008, Rigid PVC



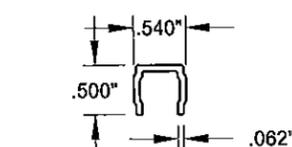
18 **1\"/>**



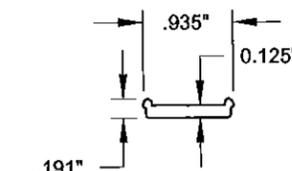
19 **ACTIVE ASTRAGAL COVER**  
#20044, Rigid PVC



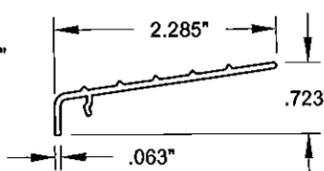
20 **SINGLE DOOR ASTRAGAL COVER**  
#20012, Rigid PVC



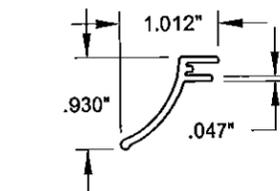
22 **SILL CAP**  
#19009, Rigid PVC



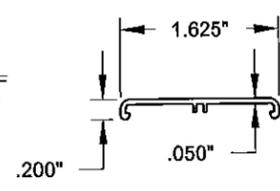
23 **ANCHOR PLATE**  
#19031, 6063-T6



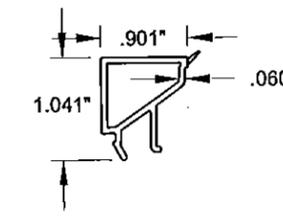
24 **THRESHOLD CAP**  
#20020, 6063-T6



25 **DRIP CAP**  
#20021, 6063-T6



26 **HINGE TRIM COVER**  
#20023, Rigid PVC



27 **7/16\"/>**

PRODUCT REVISED  
as complying with the Florida  
Building Code  
Acceptance No. 16-0126.05  
Expiration Date Jan 23, 2019  
By Manuel Perez  
Miami Trade Product Control

Rev: A) ADDED PART #27  
JR - 01/24/16

PREPARED BY: A. LYNN MILLER, P.E.  
1070 TECHNOLOGY DRIVE  
N. VENICE, FL 34275, (941) 480-1600  
CERT. OF AUTH. #29296

|   |          |            |         |  |
|---|----------|------------|---------|--|
| 10100 N.W. 25th Street<br>Miami, FL 33172<br>Tel: 305.593.6590<br>Fax: 305.593.6592 | Date     | 5/7/13     | Rev.    | A  |
|   | Drawn By | J ROSOWSKI | DWG No. | MD-7700.1                                  |
|   | Scale    | NTS        | Sheet   | 10 OF 12                                   |
|   | Series   | FD-7700    | Desc.   | VINYL FRENCH DOOR AND SLT/TR<br>EXTRUSIONS |

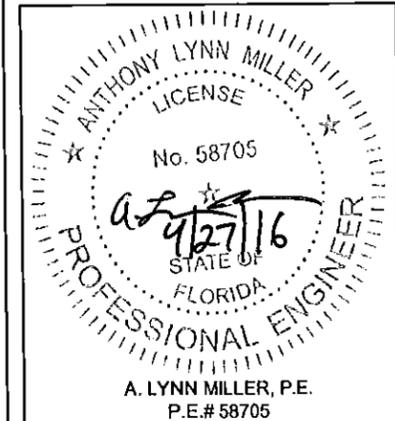


TABLE 11:

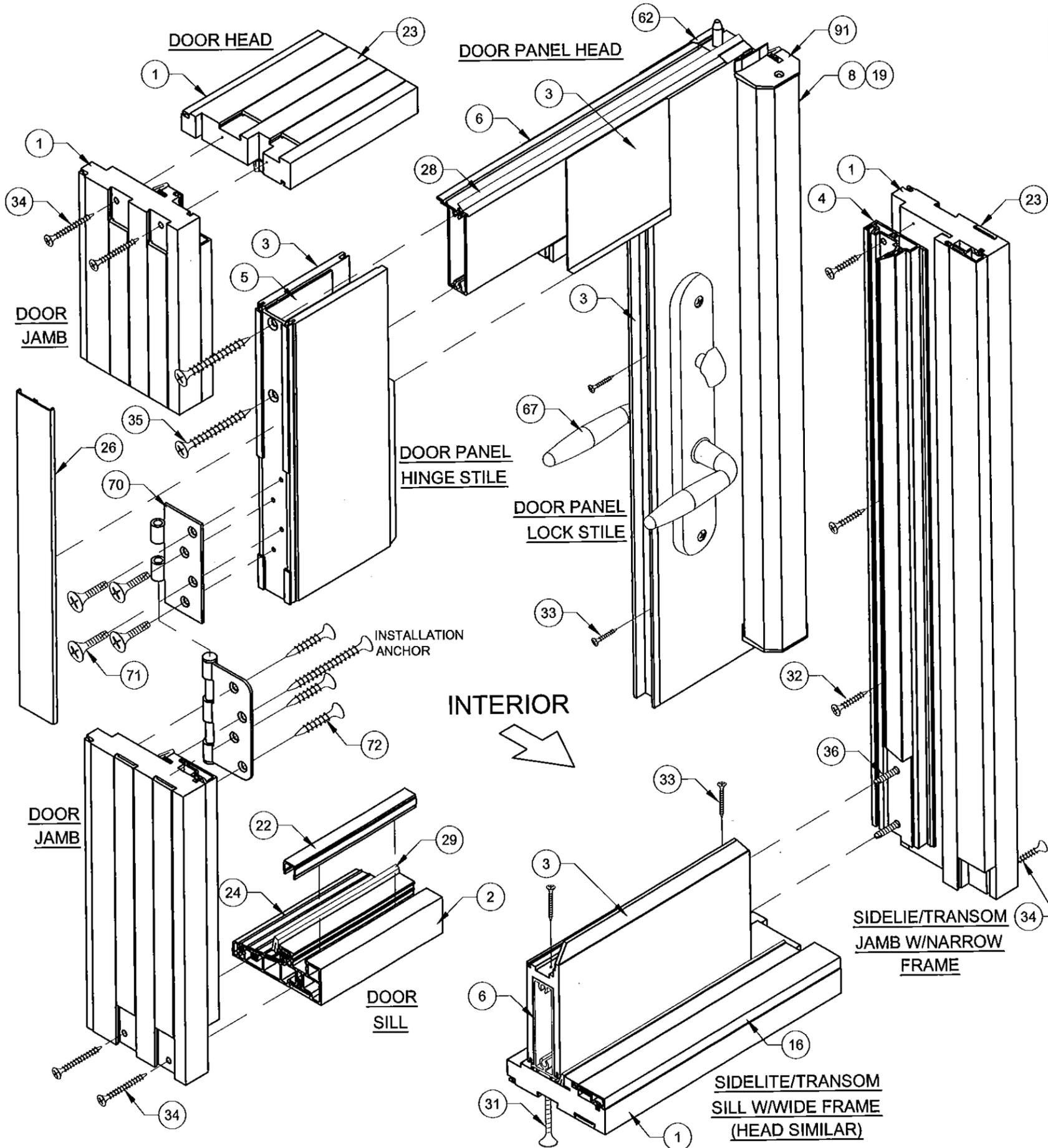
| #       | Part #      | Description   | Material        |
|---------|-------------|---|-----------------|
| 1       | 20000       | Door & Sidelite/Transom Main Frame                          | Cellular PVC    |
| 2       | 20001       | Door Frame Sill   | Rigid PVC       |
| 3       | 20002       | 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      | 20045       | 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      | 20044       | Active Astragal Cover                                       | Rigid PVC       |
| 20      | 20012       | Single Door Astragal Cover                                  | Rigid PVC       |
| 22      | 20018       | Sill Screw Cover  | Rigid PVC       |
| 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      | 78X1FPT410  | 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 |
| 37      |             | TPS Spacer System   |                 |
| 38      |             | Cardinal XL Edge Spacer                                     |                 |
| 39      |             | Quanex DuraSeal Spacer, Composite Sealant/Dessicant         |                 |
| 40      | 62689       | Quanex SuperSpacer, Foam EPDM w/ Dessicant                  |                 |
| 41      | 20026       | Setting Block, 85 +/- 5 duro.                               | Vinyl           |
| 42      |             | Backbedding: Dow-995 or GE-7700                             | 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 VISION EXTRUSIONS, LTD.  
ANCHOR O.C. DIMENSIONS SHOWN AS MAXIMUM.

**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



PRODUCT REVISED  
complying with the Florida  
Building Code  
Acceptance No. **16-0126-05**  
Expiration Date **Jan 23, 2019**  
By *Manuel Perez*  
Miami Dade Product Control

Rev.: A) ADDED PARTS #27, #45 & #46  
JR - 01/24/16

PREPARED BY: A. LYNN MILLER, P.E.  
1070 TECHNOLOGY DRIVE  
N. VENICE, FL 34275, (941) 480-1600  
CERT. OF AUTH. #29296

|  |   |  |              |                      |                   |  |
|--|---|--|--------------|----------------------|-------------------|--|
| <p>Impact Resistant<br/>Windows &amp; Doors<br/>WERE STRONGER™</p> | 10100 N.W. 25th Street<br>Miami, FL 33172 | Tel: 305.593.6590<br>Fax: 305.593.6592 | Date: 5/7/13 | Drawn By: J ROSOWSKI | Rev. A            |  |
|  | VINYL FRENCH DOOR AND SLT/TR              |  | Sheet        | 11 OF 12             | DWG No. MD-7700.1 |  |
|  | CORNER DETAILS AND BOM                    |  | Scale        | FD-7700              | NTS               |  |
|  |   |  | Series       |                      |                   |  |

ANTHONY LYNN MILLER  
LICENSE  
No. 58705  
d 9/27/16  
STATE OF FLORIDA  
PROFESSIONAL ENGINEER  
A. LYNN MILLER, P.E.  
P.E.# 58705

**HARDWARE DETAILS & LOCATIONS**

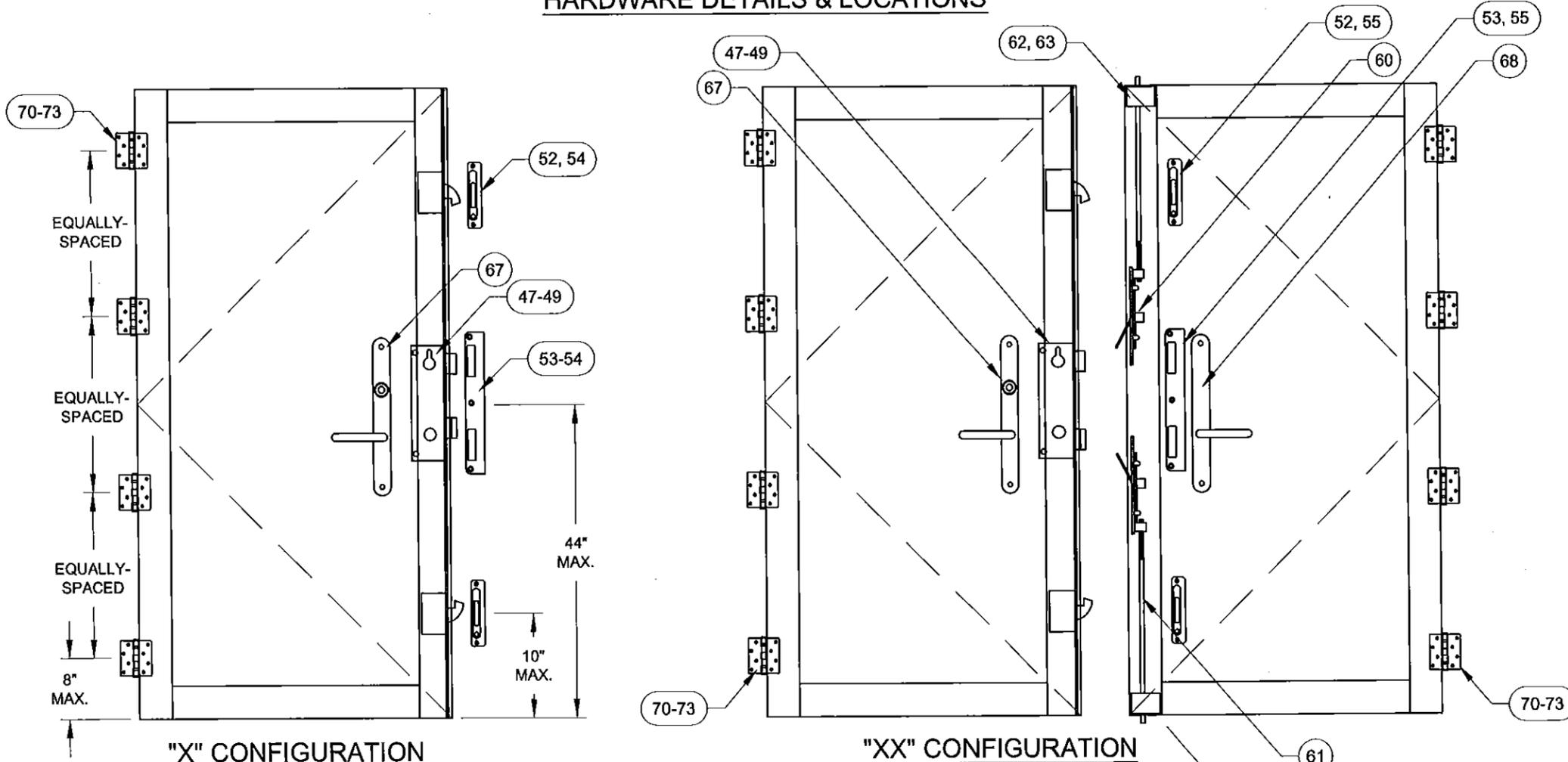
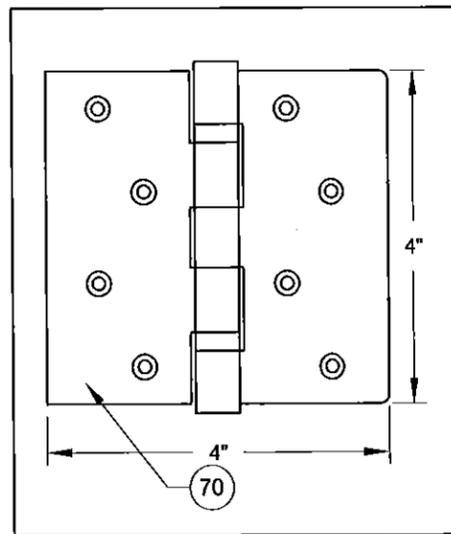


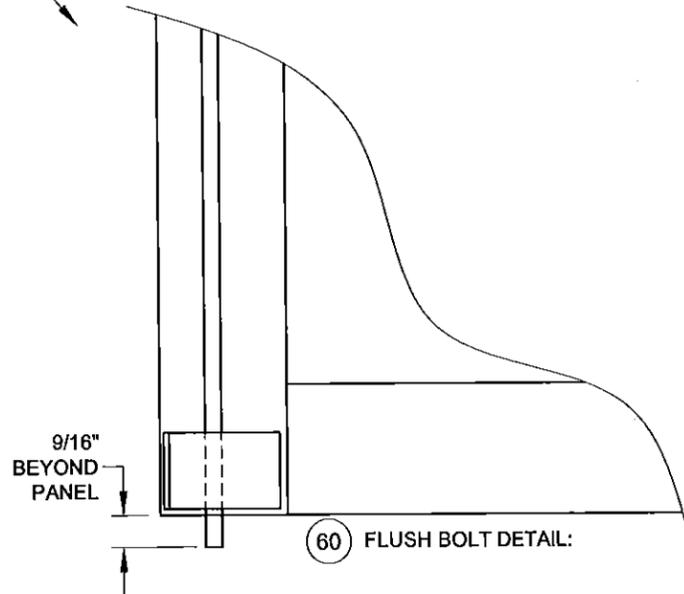
TABLE 12:

| #  | Part #      | Description  | Material        |
|----|-------------|--|-----------------|
| 47 | 666032701   | P3000 3-PT Rhino Lock (6'8\"), Amesbury Inc.             | Stainless Steel |
| 48 | 666032702   | P3000 3-PT Rhino Lock (over 6'8\"), Amesbury Inc.        | Stainless Steel |
| 49 | 71032X1FPFX | Rhino Lock Screw: 10-32 X 1\" Phil. FH                   | Stainless Steel |
| 52 | 20027       | Adjustable Strike Plate Assembly, Amesbury Inc.          | Stainless Steel |
| 53 | 20028       | Center Strike Plate Assembly, Amesbury Inc.              | Stainless Steel |
| 54 | 7S101X      | Strike Plate Screw, (X): #10 X 1\" Phil. FH              | 410 S.S.        |
| 55 | 78X12PFHUX  | Strike Plate Screw, (XX): #8 X 1/2\" Phil. FH            | 410 S.S.        |
| 60 | 7SB1202     | Flush Bolt (XX)  |                 |
| 61 | 7803725     | Flush Bolt Rod (XX)                                      |                 |
| 62 | 420034      | Flush Bolt Guide (XX)                                    |                 |
| 63 | 7832X12FPXP | Flush Bolt Guide Screw: 8-32 X 1/2\" Phil. FH            |                 |
| 64 | 48033N      | Guide Pin (XX)   |                 |
| 65 | 78036       | Flush Bolt Strike Plate (XX), Amesbury Inc.              | Stainless Steel |
| 66 | 7832X12FPXP | Flush Bolt Strike Plate Screw, (XX): #8 X 3/4\" Phil. FH | 410 S.S.        |
| 67 | varies      | Handle/Lever   |                 |
| 68 | varies      | Dummy Handle/Lever                                       |                 |
| 70 | 20025       | Butt Hinge, Amesbury Inc.                                | Stainless Steel |
| 71 | 71032X1FPFX | Hinge, Slab Screw: #10-32 X 1\" Phil FH                  | Stainless Steel |
| 72 | 7S101X      | Hinge, Frame Screw: #10 X 1\" Phil. FH                   | Stainless Steel |

HINGE DETAIL:



SEE DETAIL, TOP LOCK SIMILAR



PRODUCT REVISED  
 Building Code  
 Acceptance No. 16-0126.05  
 Expiration Date Jan. 23, 2019  
 By *Manuel Perez*  
 Miami/Dade Product Control

Rev. A) NO CHANGES THIS SHEET  
 JR - 01/24/16

PREPARED BY: A. LYNN MILLER, P.E.  
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 Fax: 305.593.6592

VINYL FRENCH DOOR AND SLT/TR  
 DESIGN PRESSURE TABLES 3  
 FD-7700 NTS  
 12 OF 12  
 DWG No. MD-7700.1  
 Drawn By J ROSOWSKI  
 Date

ANTHONY LYNN MILLER  
 LICENSE  
 No. 58705  
 4/27/16  
 STATE OF FLORIDA  
 PROFESSIONAL ENGINEER

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