



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)

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

### SCOPE:

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

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

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

**DESCRIPTION:** Series "FD-455" Outswing PVC French Door w/ & w/o Sidelite and Transom - N.I.

**APPROVAL DOCUMENT:** Drawing No. MD-455.1, 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:** None.

**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 No. 15-0409.01 and consists of this page 1 and evidence pages E-1, E-2 and E-3, as well as approval document mentioned above.

The submitted documentation was reviewed by Manuel Perez, P. E.



*Handwritten signature and date:*  
4/29/16

NOA No. 16-0126.06  
Expiration Date: January 23, 2019  
Approval Date: May 05, 2016  
Page 1

**NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED**

**A. DRAWINGS**

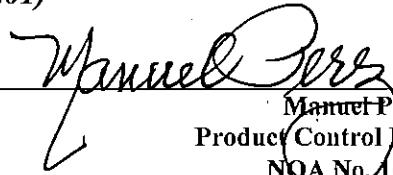
1. Manufacturer's die drawings and sections.  
*(Submitted under previous NOA No. 13-0815.04)*
2. Drawing No. **MD-455.1**, titled "Vinyl French Door and SLT/TR", sheets 1 through 12 of 12, dated 05/07/13, with revision **B** dated 01/24/16, prepared by manufacturer, signed and sealed by Anthony Lynn 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  
along with marked-up drawings and installation diagram of an outswing PVC French door, prepared by Fenestration Testing Laboratory, Inc., Test Report No. **FTL-7370**, dated 05/23/13, signed and sealed by Jorge A. Naya, Jr., P.E.  
*(Submitted under NOA No. 13-0815.04)*
3. Test reports on: 1) Air Infiltration Test, per FBC, TAS 202-94  
2) Uniform Static Air Pressure Test, Loading per FBC TAS 202-94  
3) Water Resistance Test, per FBC, TAS 202-94  
along with marked-up drawings and installation diagram of a PVC fixed window, prepared by Fenestration Testing Laboratory, Inc., Test Report No. **FTL-7338**, dated 05/25/13, signed and sealed by Jorge A. Naya, Jr., P.E.  
*(Submitted under NOA No. 13-0815.04)*

**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 No. 15-0409.01)*
2. Glazing complies with **ASTM E1300-09**

  
Manuel Perez, P.E.  
Product Control Examiner  
NQA No. 16-0126.06  
Expiration Date: January 23, 2019  
Approval Date: May 05, 2016

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. **14-0820.11** 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. 15-0409.01)*
2. 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. 15-0409.01)*
3. 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. 15-0409.01)*
4. 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. 15-0409.01)*
5. 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. 15-0409.01)*
6. 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 NOA No. 13-0815.04)*
7. 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 NOA No. 13-0815.04)*
8. Vision Extrusions, Ltd. Parts complying with PVC-AAMA 303-13.  
*(Submitted under NOA No. 13-0815.04)*
9. PVC-AAMA 303-13, Voluntary Specification for Rigid Polyvinyl Chloride (PVC) Exterior Profiles for Vision Extrusions, Ltd.-VEX-1 by AAMA Fenestration Exterior Profile Certification Program.  
*(Submitted under NOA No. 13-0815.04)*

  
Manuel Perez, P.E.  
Product Control Examiner  
NOA No. 16-0126.06  
Expiration Date: January 23, 2019  
Approval Date: May 05, 2016

**NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED**

**E. MATERIAL CERTIFICATIONS (CONTINUED)**

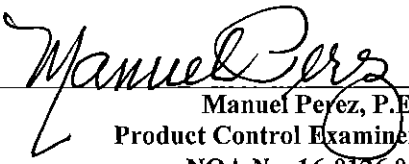
10. Vision Extrusions, Ltd. Parts complying with PVC-AAMA 303-13, Voluntary Specification for Rigid Polyvinyl Chloride (PVC) Exterior Profiles for Vision Extrusions, Ltd.-VEX-1 by AAMA Fenestration Exterior Profile Certification Program. *(Submitted under NOA No. 13-0815.04)*
11. Vision Extrusions, Ltd. Parts complying with PVC-AAMA 303-13. *(Submitted under NOA No. 13-0815.04)*
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 NOA No. 13-0815.04)*

**F. STATEMENTS**

1. Statement letter of conformance to and of complying with **FBC 5<sup>th</sup> Edition (2014)**, dated 03/30/15, issued by manufacturer, signed and sealed by A. Lynn Miller, P.E. *(Submitted under previous NOA No. 15-0409.01)*
2. Statement letter of no financial interest and of independent, issued by manufacture, dated 03/30/15, signed and sealed by Anthony Lynn Miller, P.E. *(Submitted under previous NOA No. 15-0409.01)*
3. Laboratory compliance letter for Test Reports No. **FTL-7370** and **FTL-7338**, issued by Fenestration Testing Laboratory, Inc., dated 05/23/13, signed and sealed by Jorge A. Naya, Jr., P.E. *(Submitted under NOA No. 13-0815.04)*

**G. OTHERS**

1. Notice of Acceptance No. **15-0409.01**, issued to PGT Industries, Inc. for their Series "FD-455" Outswing PVC French Door w/ & w/o Sidelite and Transom - N.I., approved on 07/02/15 and expiring on 01/23/19.

  
Manuel Perez, P.E.  
Product Control Examiner  
NOA No. 16-0126.06  
Expiration Date: January 23, 2019  
Approval Date: May 05, 2016

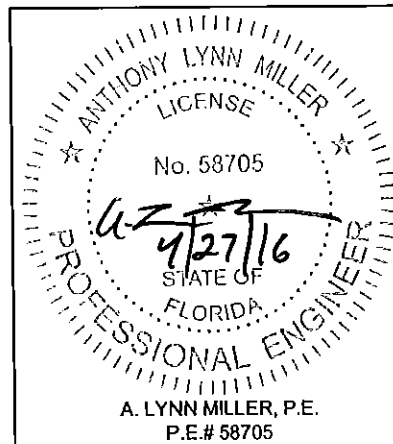
|                               |                                            |
|-------------------------------|--------------------------------------------|
| DESIGN PRESSURE RATING        | IMPACT RATING                              |
| VARIABLE,<br>SEE SHEETS 4 & 5 | NOT RATED FOR MISSILE<br>IMPACT RESISTANCE |

| 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"         |
|       |                                                             | 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" Elco 410 S.S. CreteFlex                                | Concrete (min. 3.35 ksi)     | 2-1/2"             | 1-3/4"         |

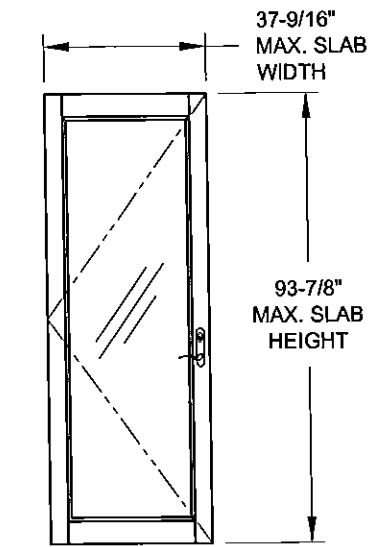
| Type # | Description                                     |
|--------|-------------------------------------------------|
| 1      | 1/8" Tempered - 5/8" Airspace - 1/8" Tempered   |
| 2      | 3/16" Tempered - 1/2" Airspace - 3/16" Tempered |

|                               |       |
|-------------------------------|-------|
| 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    |

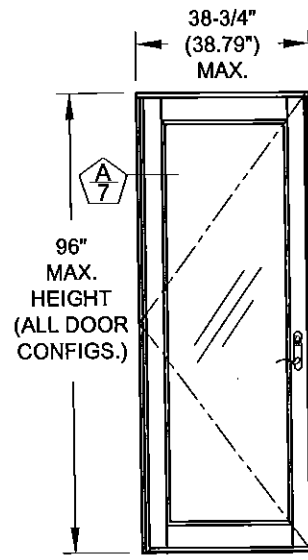
|                                                                                       |       |                                                                                                      |       |            |         |
|---------------------------------------------------------------------------------------|-------|------------------------------------------------------------------------------------------------------|-------|------------|---------|
|  |       | 1070 TECHNOLOGY DRIVE<br>N. VENICE, FL 34275<br>P.O. BOX 1529<br>NOKOMIS, FL 34274<br>(941)-480-1600 |       | Date       | 5/7/13  |
|                                                                                       |       | CERT. OF AUTH. #29296                                                                                |       |            |         |
| VINYL FRENCH DOOR AND SLT/TR                                                          |       |                                                                                                      |       |            |         |
| GENERAL NOTES                                                                         |       |                                                                                                      |       |            |         |
| FD-5455                                                                               | Scale | NTS                                                                                                  | sheet | 1 OF 12    | DWG No. |
| Drawn By                                                                              |       |                                                                                                      |       | J ROSOWSKI |         |
| Desc.                                                                                 |       |                                                                                                      |       | Rev.       |         |
|                                                                                       |       |                                                                                                      |       | B          |         |
|                                                                                       |       |                                                                                                      |       | MD-455.1   |         |



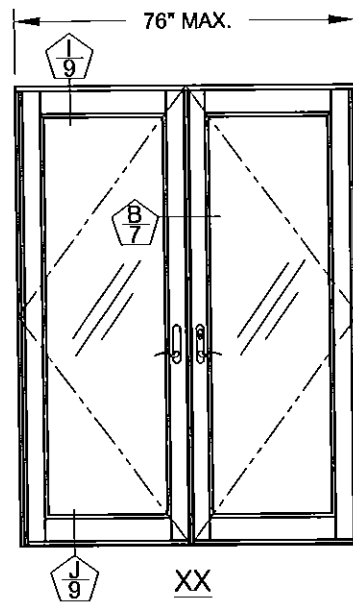
# EXAMPLE CONFIGURATIONS



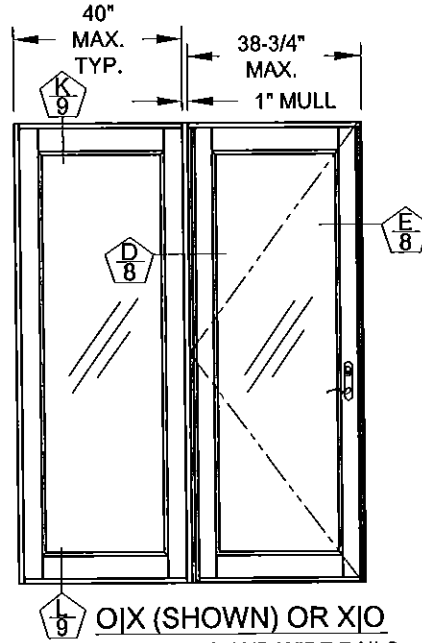
TYP. DOOR SLAB



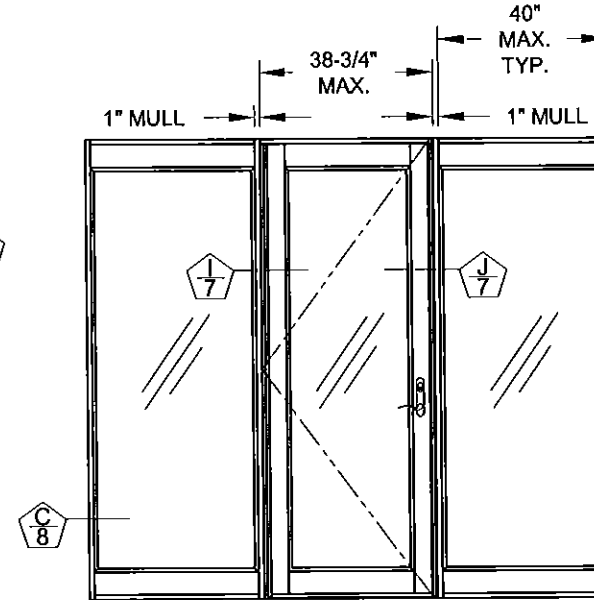
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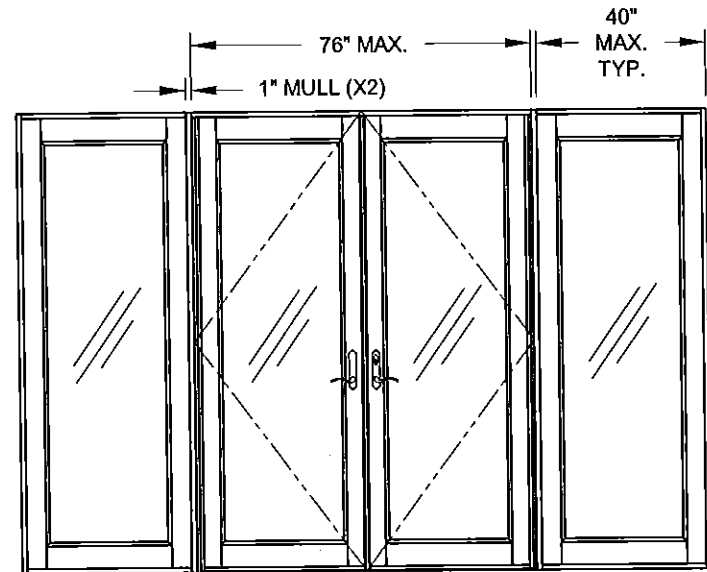
XX



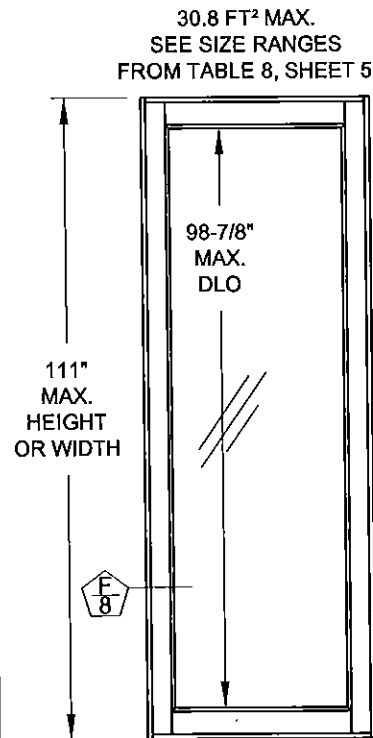
OIX (SHOWN) OR XIO  
(WIDE STILES AND WIDE RAILS  
SHOWN ON SIDELITES)



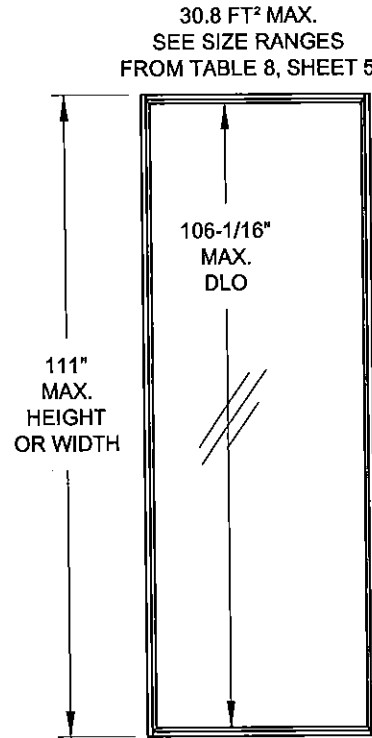
OIXIO  
(NARROW STILES AND WIDE  
RAILS SHOWN ON SIDELITES)



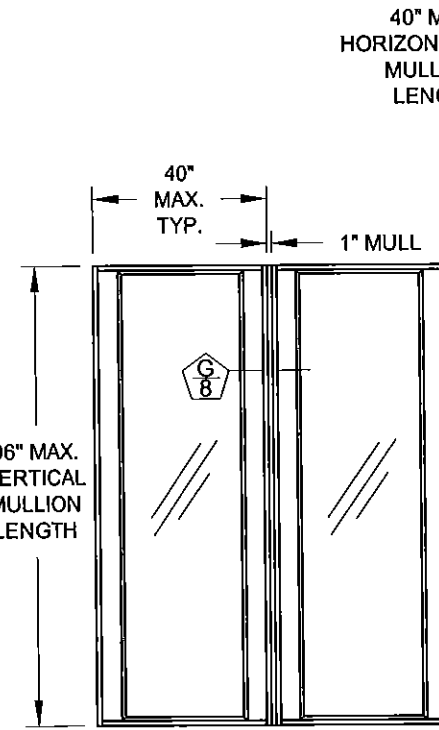
OIXXIO  
(WIDE STILES AND WIDE  
RAILS SHOWN ON SIDELITES)



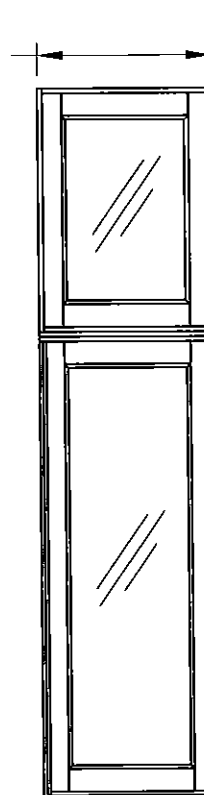
SINGLE O  
(WIDE STILES AND WIDE  
RAILS SHOWN ON SIDELITES)



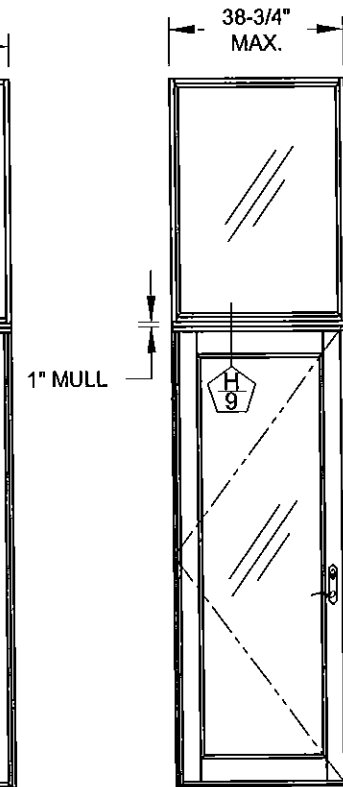
SINGLE O  
(NARROW STILES AND NARROW  
RAILS SHOWN ON SIDELITES)



OIO (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)

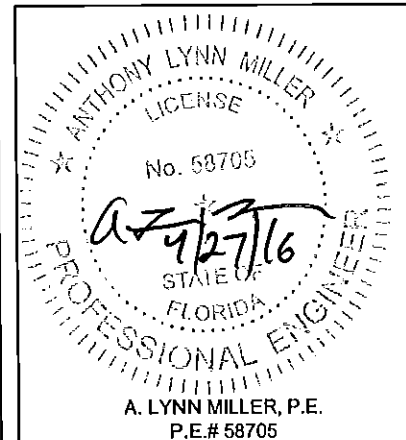
## NOTES:

- 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.

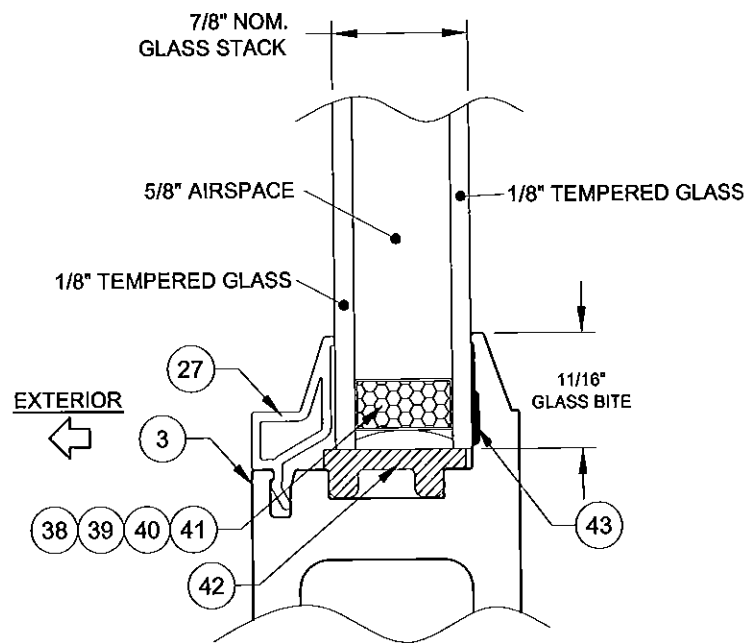
PRODUCT REVISED  
as complying with the Florida  
Building Code  
Acceptance No. 16-0126.06  
Expiration Date Jan 28, 2019  
By *Manuel Perez*  
Miami Dade Product Control

- Rev C Rev B Rev A
- A) NO CHANGES THIS SHEET -  
JR - 03/18/15
- B) LIMITED OO CONFIG. - JR -  
01/24/16

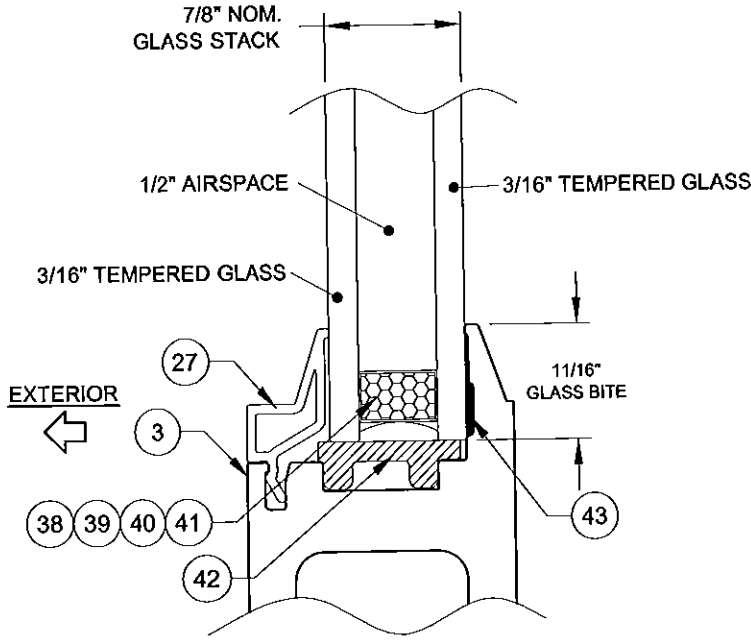
|                                                                                                      |        |         |         |            |       |          |
|------------------------------------------------------------------------------------------------------|--------|---------|---------|------------|-------|----------|
| 1070 TECHNOLOGY DRIVE<br>N. VENICE, FL 34275<br>P.O. BOX 1529<br>NOKOMIS, FL 34274<br>(941)-480-1600 | Date   | 5/7/13  | By      | J ROSOWSKI | Rev   | B        |
|                                                                                                      |        |         |         |            |       |          |
|                                                                                                      |        |         |         |            |       |          |
|                                                                                                      |        |         |         |            |       |          |
| VINYL FRENCH DOOR AND SLT/TR                                                                         | Title  | Sheet   | 2 OF 12 | DWG        | No.   | MD-455.1 |
|                                                                                                      |        |         |         |            |       |          |
|                                                                                                      |        |         |         |            |       |          |
|                                                                                                      |        |         |         |            |       |          |
| EXAMPLE CONFIGURATIONS                                                                               | Series | FD-5455 | NTS     | Scale      | Sheet |          |
|                                                                                                      |        |         |         |            |       |          |
|                                                                                                      |        |         |         |            |       |          |
|                                                                                                      |        |         |         |            |       |          |



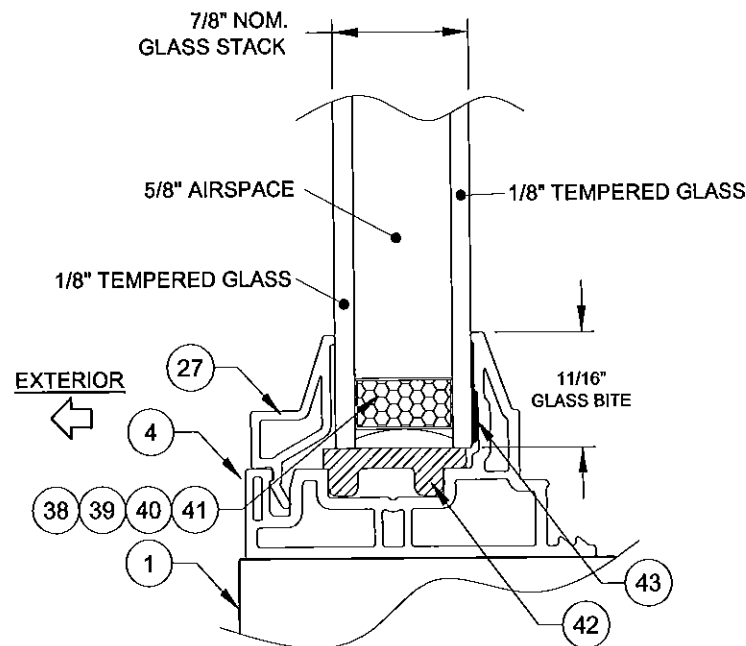
# DOOR, SIDELITE & TRANSOM GLAZING DETAILS



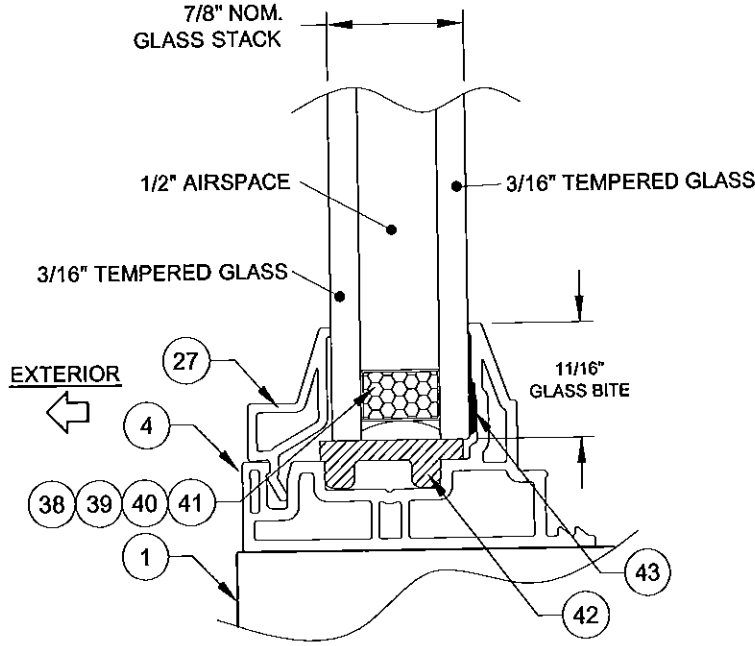
GLASS TYPE 1



GLASS TYPE 2



GLASS TYPE 1  
SHOWN IN SIDELITE ADAPTER



GLASS TYPE 2  
SHOWN IN SIDELITE ADAPTER

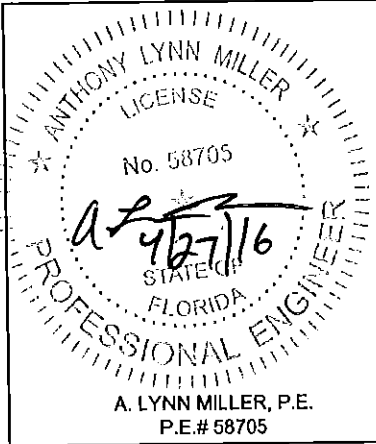
PRODUCT REVISED  
as complying with the Florida  
Building Code  
Acceptance No. 16-0126.06  
Expiration Date Jan 23 2019  
By *Manuel Perez*  
Miami Dade Product Control

|       |                                     |
|-------|-------------------------------------|
| Rev A | A) ADDED #38 - JR - 03/18/15        |
| Rev B | B) ADDED TPS SPACER - JR - 01/24/16 |
| Rev C |                                     |

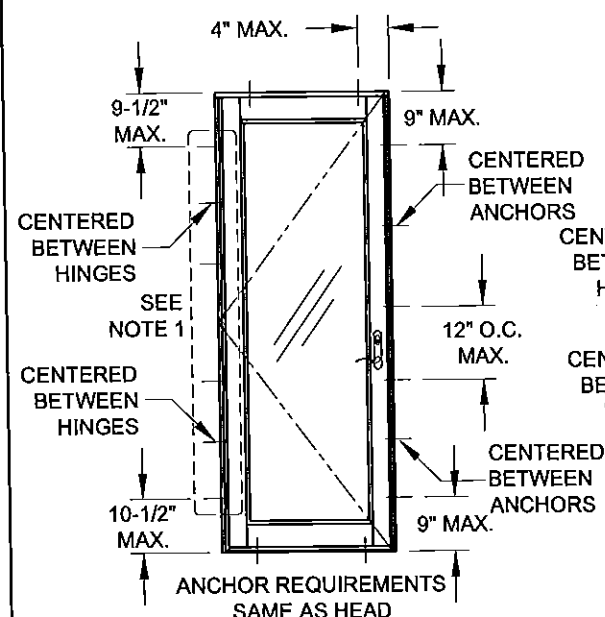
1070 TECHNOLOGY DRIVE  
N. VENICE, FL 34275  
P.O. BOX 1529  
NOKOMIS, FL 34274  
(941)-480-1600



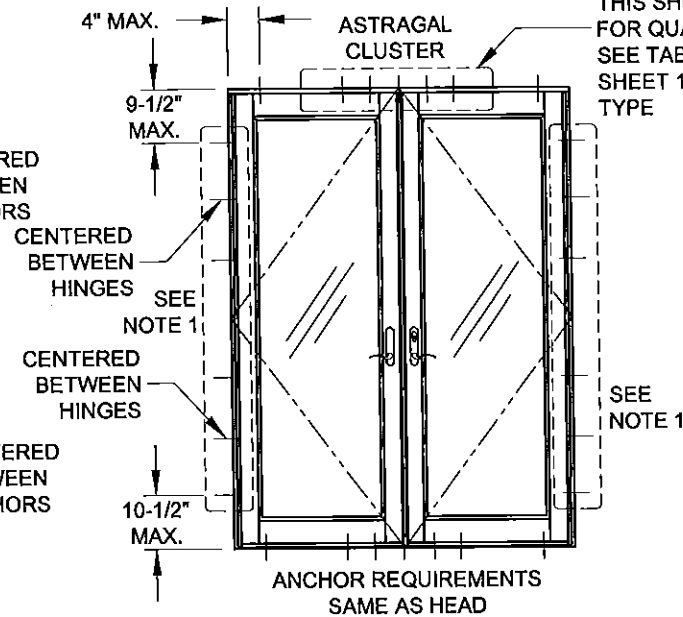
|                                                 |       |            |          |   |
|-------------------------------------------------|-------|------------|----------|---|
| VINYL FRENCH DOOR AND SLT/TR<br>GLAZING DETAILS | Date  | 5/7/13     | Rev.     | B |
|                                                 | By    | J ROSOWSKI | MD-455.1 |   |
|                                                 | No.   |            | DWG      |   |
|                                                 | Scale | FD-5455    | 3 OF 12  |   |
| Series                                          | Desc. | NTS        | Sheet    |   |
|                                                 | Title |            |          |   |



# SINGLE DOOR INSTALLATION (X)



# DOUBLE DOOR INSTALLATION (XX)

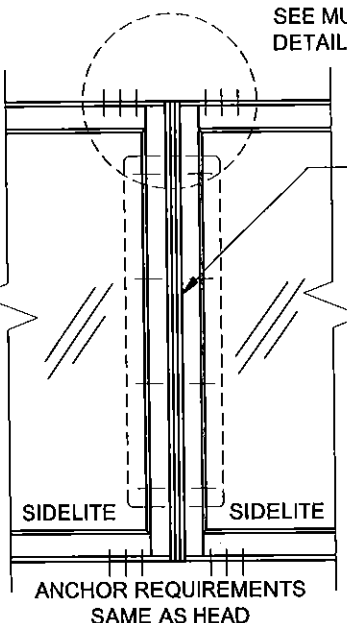


XX, (USING ASTRAGAL)

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

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

96" MAX.  
MULLION LENGTH IN  
VERTICAL  
APPLICATIONS



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

SEE MULLION CLUSTER  
DETAIL BELOW

ATTACH DOORS AND  
SIDELITES TO THE  
MULLION AS PER  
THE INSTRUCTION  
OF THE INDIVIDUAL  
DOOR OR SIDELITE

SEE MULLION CLUSTER  
DETAIL BELOW

96" MAX.  
MULLION LENGTH IN  
VERTICAL  
APPLICATIONS

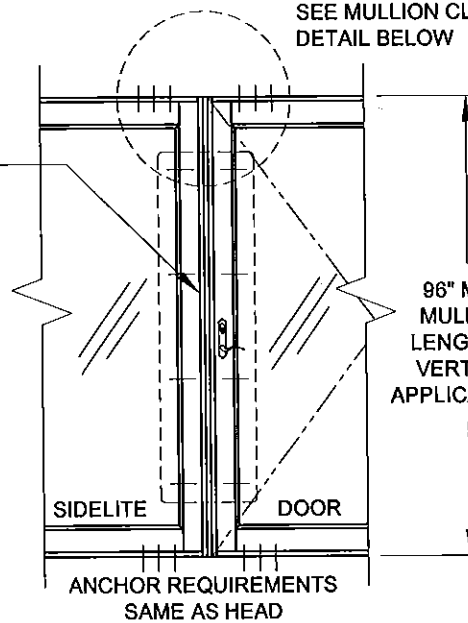


TABLE 5:  
VERTICAL MULLION  
DESIGN PRESSURE

|             |
|-------------|
| +/-70.0 PSF |
|-------------|

TABLE 3:

| DOOR DESIGN PRESSURE |              |
|----------------------|--------------|
| +/-50.0 PSF          | Glass Type 1 |
| +/-70.0 PSF          | Glass Type 2 |

TABLE 4:

| XX Door: Astragal Cluster Anchors Required @ Head & Sill |                 |    |    |    |    |    |     |     |  |
|----------------------------------------------------------|-----------------|----|----|----|----|----|-----|-----|--|
| Door Height (in)                                         | Door Width (in) |    |    |    |    |    |     |     |  |
|                                                          | 48              | 60 | 72 | 76 | 80 | 96 | 108 | 120 |  |
| 80                                                       | 4               | 4  | 4  | 5  | 4  | 5  | 4   | 4   |  |
| 96                                                       | 4               | 5  | 4  | 6  | 4  | 6  | 5   | 4   |  |

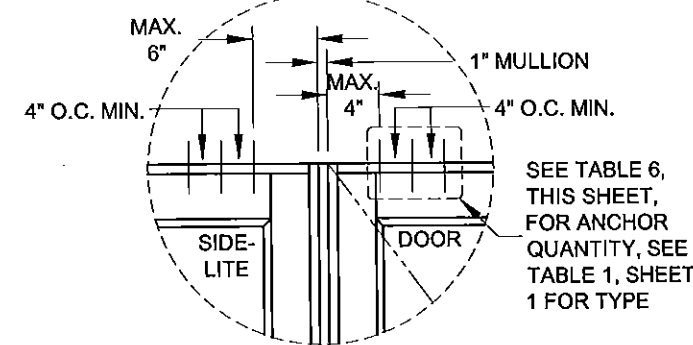
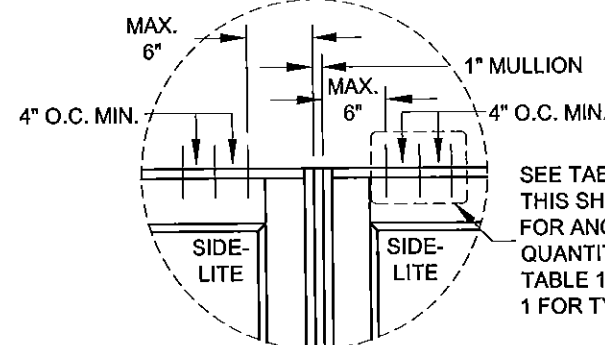


TABLE 6:

| Anchors Required for a Vertical Mullion (each mullion end) |                                     |    |    |        |    |    |    |    |    |     |     |     |
|------------------------------------------------------------|-------------------------------------|----|----|--------|----|----|----|----|----|-----|-----|-----|
| Door or Sidelite/Transom Width (in)                        | Door or Sidelite/Transom Width (in) |    |    |        |    |    |    |    |    |     |     |     |
|                                                            | 12                                  | 24 | 32 | 38-3/4 | 40 | 48 | 60 | 72 | 80 | 96  | 108 | 120 |
| 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.

# 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

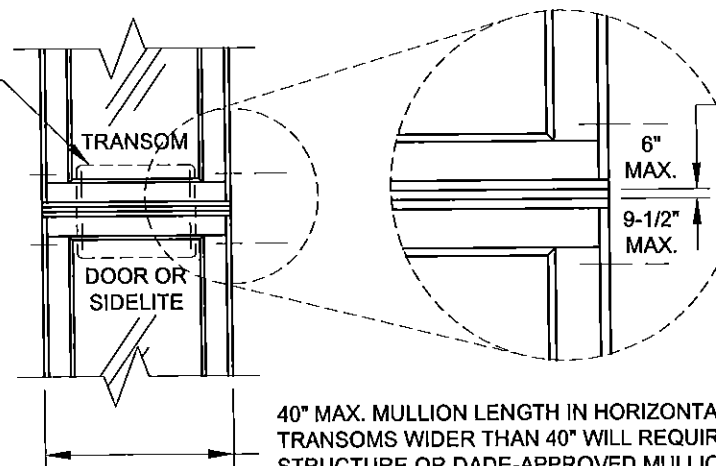


TABLE 7:

| HORIZONTAL MULLION<br>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.

## INSTRUCTIONS:

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

## NOTES:

- 1) SINGLE DOOR MAY BE LEFT OR RIGHT-HANDED.
- 2) MULLIONS SHOWN ARE STANDARD 1" FRENCH DOOR MULLIONS.
- 3) MULLED CONFIGURATIONS NOT SHOWN MAY BE POSSIBLE USING OTHER MULLION TYPES, SEE SEPARATE NOA.
- 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. 16-0126.06  
Expiration Date Jan. 23, 2019  
By Manuel Perez  
Miami Dade Product Control

Rev. C Rev. B Rev. A  
A) NO CHANGES THIS SHEET -  
JR - 03/18/15  
B) NO CHANGES THIS SHEET -  
JR - 01/24/16

1070 TECHNOLOGY DRIVE  
N. VENICE, FL 34275  
P.O. BOX 1529  
NOKOMIS, FL 34274  
(941) 480-1600  
5/7/13  
J ROSOWSKI  
MD-455.1  
4 OF 12  
FD-5455  
NTS  
VINY FRENCH DOOR AND SLT/TR  
DESIGN PRESSURE 1  
CERT. OF AUTH. #29296

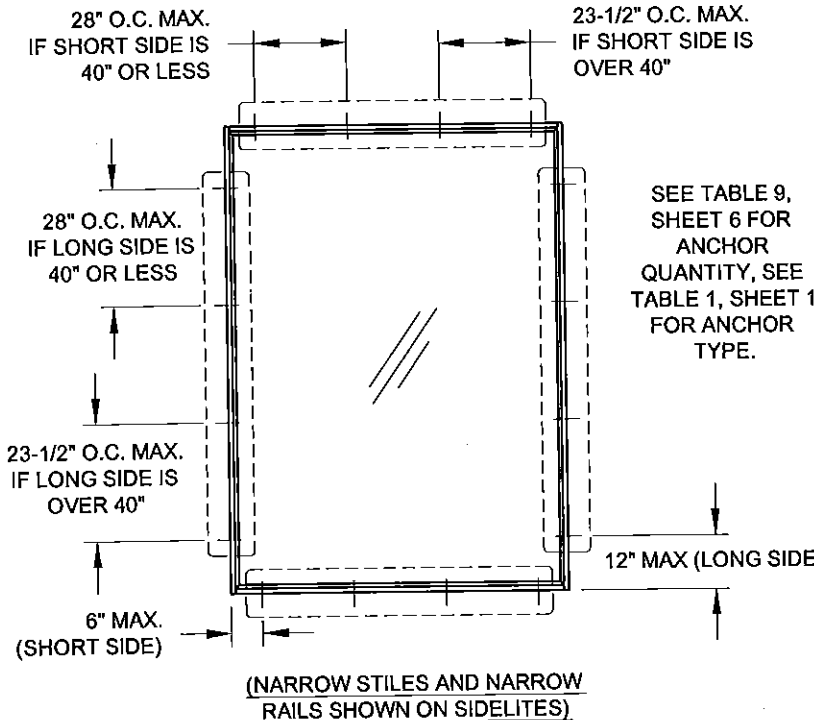
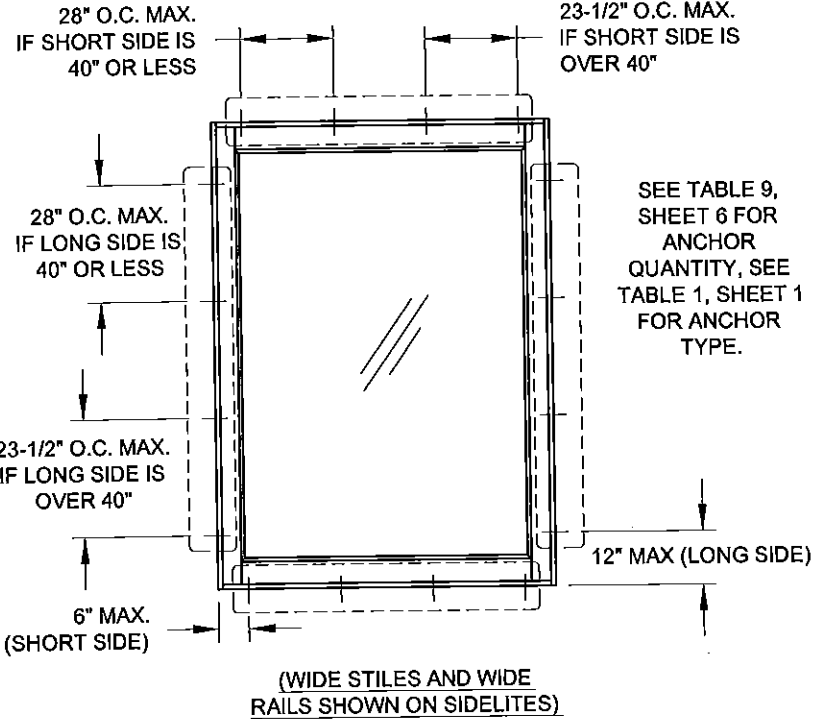
ANTHONY LYNN MILLER  
LICENSE  
No. 58705  
A. LYNN MILLER, P.E.  
P.E.# 58705

TABLE 8:

|                 |         | Sidelite/Transom Design Pressure (+/-, psf) for Glass Types 1 & 2 |         |         |         |         |         |         |         |         |         |         |         |         |       |       |       |
|-----------------|---------|-------------------------------------------------------------------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|-------|-------|-------|
|                 |         | 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   | +/-70 | +/-70 | +/-70 |
|                 | 44      | +/-70                                                             | +/-70   | +/-70   | +/-70   | +/-70   | +/-70   | +/-70   | +/-70   | +/-70   | +/-69.6 | +/-68.6 | +/-67.7 | +/-67.3 |       |       |       |
|                 | 46      | +/-70                                                             | +/-70   | +/-70   | +/-70   | +/-70   | +/-70   | +/-70   | +/-69.4 | +/-68.7 | +/-67.6 | +/-66.5 | +/-65.6 |         |       |       |       |
|                 | 48      | +/-70                                                             | +/-70   | +/-70   | +/-70   | +/-70   | +/-69.9 | +/-69.1 | +/-67.6 | +/-67   | +/-65.8 | +/-64.7 |         |         |       |       |       |
|                 | 50      | +/-70                                                             | +/-70   | +/-70   | +/-70   | +/-70   | +/-68.4 | +/-67.6 | +/-66   | +/-65.4 | +/-64.1 |         |         |         |       |       |       |
|                 | 52      | +/-70                                                             | +/-70   | +/-70   | +/-70   | +/-69.1 | +/-67.1 | +/-66.2 | +/-64.6 | +/-63.9 |         |         |         |         |       |       |       |
|                 | 54      | +/-70                                                             | +/-70   | +/-70   | +/-69.2 | +/-68   | +/-65.9 | +/-65   | +/-63.4 |         |         |         |         |         |       |       |       |
|                 | 56      | +/-70                                                             | +/-70   | +/-69.7 | +/-68.3 | +/-67.1 | +/-64.9 | +/-63.9 |         |         |         |         |         |         |       |       |       |
|                 | 58      | +/-70                                                             | +/-70   | +/-69   | +/-67.6 | +/-66.3 | +/-64   |         |         |         |         |         |         |         |       |       |       |
|                 | 60      | +/-70                                                             | +/-69.6 | +/-68.5 | +/-67   | +/-65.6 |         |         |         |         |         |         |         |         |       |       |       |
|                 | 62      | +/-70                                                             | +/-69.2 | +/-68   | +/-66.5 |         |         |         |         |         |         |         |         |         |       |       |       |
|                 | 63-3/16 | +/-70                                                             | +/-69.1 | +/-67.9 | +/-66.2 |         |         |         |         |         |         |         |         |         |       |       |       |
|                 | 66-5/8  | +/-69.1                                                           | +/-68.9 |         |         |         |         |         |         |         |         |         |         |         |       |       |       |

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

SIDELITE/TRANSOM INSTALLATION (O)



PRODUCT REVISED  
as complying with the Florida  
Building Code  
Acceptance No. 16-0126.06  
Expiration Date Jan. 23, 2019  
By Manuel Perez  
Miami Dade Product Control

|       |                                              |
|-------|----------------------------------------------|
| Rev A | A) CORRECTED TABLE 8 DIM. -<br>JR - 03/18/15 |
| Rev B | B) NO CHANGES THIS SHEET -<br>JR - 01/24/16  |
| Rev C |                                              |

|                                                                                                      |                              |                  |                  |
|------------------------------------------------------------------------------------------------------|------------------------------|------------------|------------------|
| 1070 TECHNOLOGY DRIVE<br>N. VENICE, FL 34275<br>P.O. BOX 1529<br>NOKOMIS, FL 34274<br>(941)-480-1600 | 5/7/13<br>Date               | J ROSOWSKI<br>By | MD-455.1<br>Rev. |
|                                                                                                      | VINYL FRENCH DOOR AND SLT/TR | 5 OF 12          | DWG No.          |
|                                                                                                      | DESIGN PRESSURE 2            | NTS              | Sheet            |
|                                                                                                      | FD-5455                      | Scale            | Series           |
|                                                                                                      |                              |                  |                  |

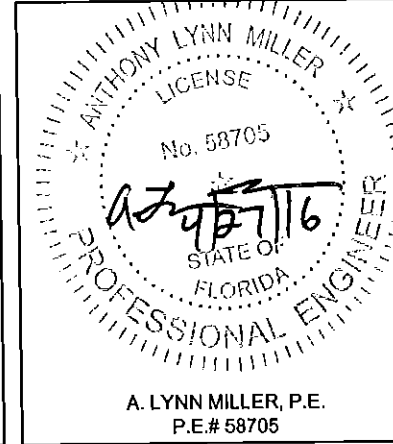


TABLE 9:

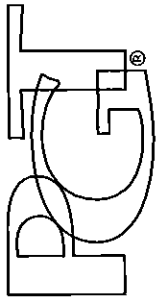
|                 |            |                   | Sidelite/Transom Anchor Quantity |                |        |                   |    |                |    |                   |    |                |    |                   |    |                |    |                   |    |                |    |                   |    |                |    |                   |    |                |     |                   |     |                |     |                   |   |   |
|-----------------|------------|-------------------|----------------------------------|----------------|--------|-------------------|----|----------------|----|-------------------|----|----------------|----|-------------------|----|----------------|----|-------------------|----|----------------|----|-------------------|----|----------------|----|-------------------|----|----------------|-----|-------------------|-----|----------------|-----|-------------------|---|---|
|                 |            |                   | Long Side (in)                   |                |        |                   |    |                |    |                   |    |                |    |                   |    |                |    |                   |    |                |    |                   |    |                |    |                   |    |                |     |                   |     |                |     |                   |   |   |
|                 |            |                   | 63-3/16                          |                | 66-5/8 |                   | 68 |                | 70 |                   | 72 |                | 76 |                   | 78 |                | 82 |                   | 84 |                | 88 |                   | 92 |                | 96 |                   | 98 |                | 104 |                   | 108 |                | 111 |                   |   |   |
| Anchor Group A  |            | Anchor Groups B-D |                                  | Anchor Group A |        | Anchor Groups B-D |    | Anchor Group A |    | Anchor Groups B-D |    | Anchor Group A |    | Anchor Groups B-D |    | Anchor Group A |    | Anchor Groups B-D |    | Anchor Group A |    | Anchor Groups B-D |    | Anchor Group A |    | Anchor Groups B-D |    | Anchor Group A |     | Anchor Groups B-D |     | Anchor Group A |     | Anchor Groups B-D |   |   |
| Short Side (in) | 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   | 2                 |   |   |
|                 | Long Side  | 4                 | 4                                | 4              | 4      | 4                 | 4  | 4              | 4  | 4                 | 4  | 4              | 4  | 4                 | 4  | 4              | 4  | 4                 | 4  | 4              | 4  | 4                 | 4  | 4              | 4  | 4                 | 4  | 4              | 4   | 4                 | 4   | 4              | 4   | 4                 |   |   |
|                 | 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   | 2                 | 2 |   |
|                 | Long Side  | 4                 | 4                                | 4              | 4      | 4                 | 4  | 4              | 4  | 4                 | 4  | 4              | 5  | 4                 | 5  | 4              | 5  | 5                 | 5  | 5              | 5  | 5                 | 6  | 5              | 6  | 5                 | 6  | 5              | 6   | 5                 | 5   | 7              | 6   | 7                 | 6 |   |
|                 | 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                 | 2 |   |
|                 | Long Side  | 4                 | 4                                | 4              | 4      | 4                 | 4  | 4              | 4  | 4                 | 5  | 4              | 5  | 4                 | 5  | 4              | 6  | 5                 | 6  | 5              | 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                 | 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   | 8                 | 5   | 7              | 6   | 8                 | 6 |   |
|                 | 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                 | 2 |   |
|                 | Long Side  | 4                 | 4                                | 5              | 4      | 5                 | 4  | 5              | 4  | 5                 | 4  | 6              | 4  | 6                 | 4  | 6              | 5  | 7                 | 5  | 7              | 5  | 7                 | 5  | 7              | 5  | 8                 | 5  | 8              | 5   | 8                 | 6   | 9              | 6   | 9                 | 6 |   |
|                 | 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                 | 2 |   |
|                 | Long Side  | 4                 | 4                                | 5              | 4      | 5                 | 4  | 5              | 4  | 5                 | 4  | 6              | 4  | 6                 | 4  | 6              | 5  | 7                 | 5  | 7              | 5  | 7                 | 5  | 8              | 5  | 8                 | 5  | 8              | 5   | 8                 | 5   | 5              | 9   | 6                 | 9 | 6 |
|                 | 42         | Short Side        | 3                                | 3              | 3      | 3                 | 3  | 3              | 3  | 3                 | 3  | 3              | 3  | 3                 | 3  | 3              | 3  | 3                 | 3  | 3              | 3  | 3                 | 3  | 3              | 3  | 3                 | 3  | 3              | 3   | 3                 | 3   | 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   | 8                 | 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                 | 3 |   |
|                 | Long Side  | 5                 | 4                                | 5              | 4      | 5                 | 4  | 5              | 4  | 6                 | 4  | 6              | 4  | 6                 | 4  | 7              | 4  | 7                 | 5  | 7              | 5  | 7                 | 5  | 8              | 5  | 8                 | 5  | 8              | 5   |                   |     |                |     |                   |   |   |
|                 | 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                 | 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  |                   |    |                |     |                   |     |                |     |                   |   |   |
|                 | 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              |    |                   |    |                |     |                   |     |                |     |                   |   |   |
| 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              |    |                   |    |                |     |                   |     |                |     |                   |   |   |
| 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  |                   |    |                |    |                   |    |                |    |                   |    |                |     |                   |     |                |     |                   |   |   |
| Long Side       | 5          | 4                 | 5                                | 4              | 6      | 4                 | 6  | 4              | 6  | 4                 | 6  | 4              | 6  | 4                 | 7  | 4              |    |                   |    |                |    |                   |    |                |    |                   |    |                |     |                   |     |                |     |                   |   |   |
| 56              | Short Side | 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                 |    |                |    |                   |    |                |    |                   |    |                |    |                   |    |                |     |                   |     |                |     |                   |   |   |
| 58              | Short Side | 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              |    |                   |    |                |    |                   |    |                |    |                   |    |                |    |                   |    |                |     |                   |     |                |     |                   |   |   |
| 60              | Short Side | 5                 | 4                                | 5              | 4      | 5                 | 4  | 4              | 4  | 4                 | 4  |                |    |                   |    |                |    |                   |    |                |    |                   |    |                |    |                   |    |                |     |                   |     |                |     |                   |   |   |
| Long Side       | 5          | 4                 | 6                                | 4              | 6      | 4                 | 6  | 4              | 6  | 4                 |    |                |    |                   |    |                |    |                   |    |                |    |                   |    |                |    |                   |    |                |     |                   |     |                |     |                   |   |   |
| 62              | Short Side | 5                 | 4                                | 5              | 4      | 5                 | 4  | 5              | 4  |                   |    |                |    |                   |    |                |    |                   |    |                |    |                   |    |                |    |                   |    |                |     |                   |     |                |     |                   |   |   |
| Long Side       | 5          | 4                 | 6                                | 4              | 6      | 4                 | 6  | 4              |    |                   |    |                |    |                   |    |                |    |                   |    |                |    |                   |    |                |    |                   |    |                |     |                   |     |                |     |                   |   |   |
| 63-3/16         | Short Side | 5                 | 4                                | 5              | 4      | 5                 | 4  |                |    |                   |    |                |    |                   |    |                |    |                   |    |                |    |                   |    |                |    |                   |    |                |     |                   |     |                |     |                   |   |   |
| Long Side       | 5          | 4                 | 6                                | 4              | 6      | 4                 |    |                |    |                   |    |                |    |                   |    |                |    |                   |    |                |    |                   |    |                |    |                   |    |                |     |                   |     |                |     |                   |   |   |
| 66-5/8          | Short Side | 6                 | 4                                | 6              | 4      |                   |    |                |    |                   |    |                |    |                   |    |                |    |                   |    |                |    |                   |    |                |    |                   |    |                |     |                   |     |                |     |                   |   |   |
| Long Side       | 5          | 4                 | 6                                | 4              |        |                   |    |                |    |                   |    |                |    |                   |    |                |    |                   |    |                |    |                   |    |                |    |                   |    |                |     |                   |     |                |     |                   |   |   |

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. 16-0126.06  
Expiration Date Jan 23, 2019  
By *Manuel Perez*  
Miami Trade Product Control

Rev A NO CHANGES THIS SHEET -  
JR - 03/18/15  
Rev B NO CHANGES THIS SHEET -  
JR - 01/24/16  
Rev C

1070 TECHNOLOGY DRIVE  
N. VENICE, FL 34275  
P.O. BOX 1529  
NOKOMIS, FL 34274  
(941)-480-1600



CERT. OF AUTH. #29296

VINYL FRENCH DOOR AND SLT/TR

SLT/TR ANCHOR QUANTITIES

FD-5455

6 OF 12

NTS

5/7/13

J ROSOWSKI

MD-455.1

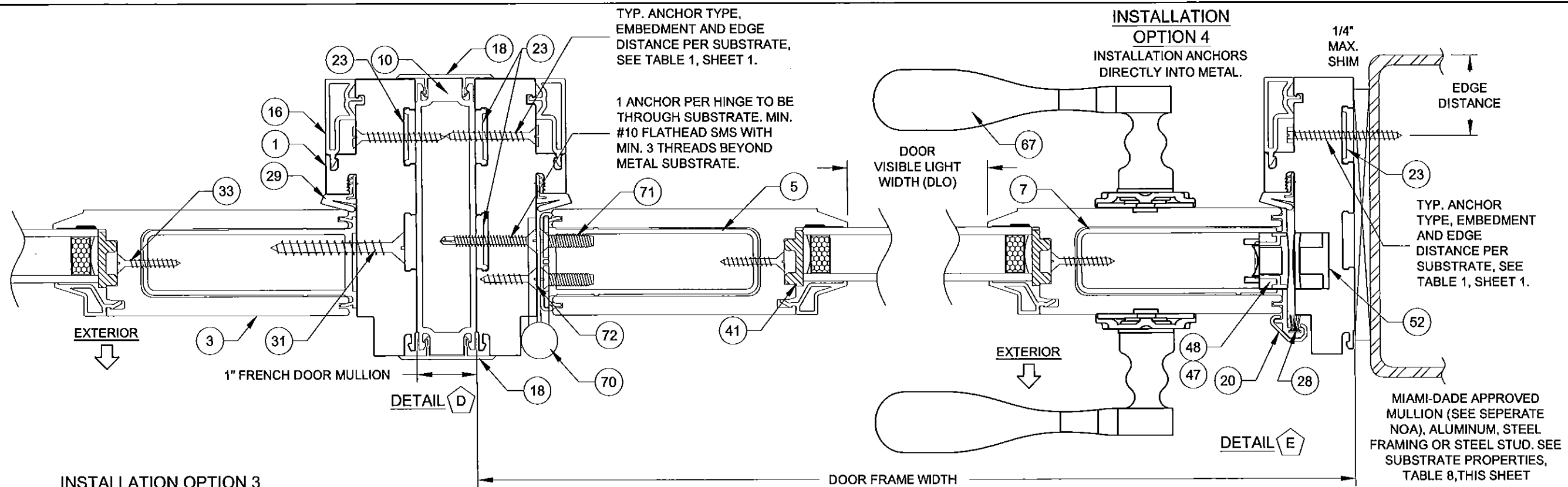
6

Rev

B

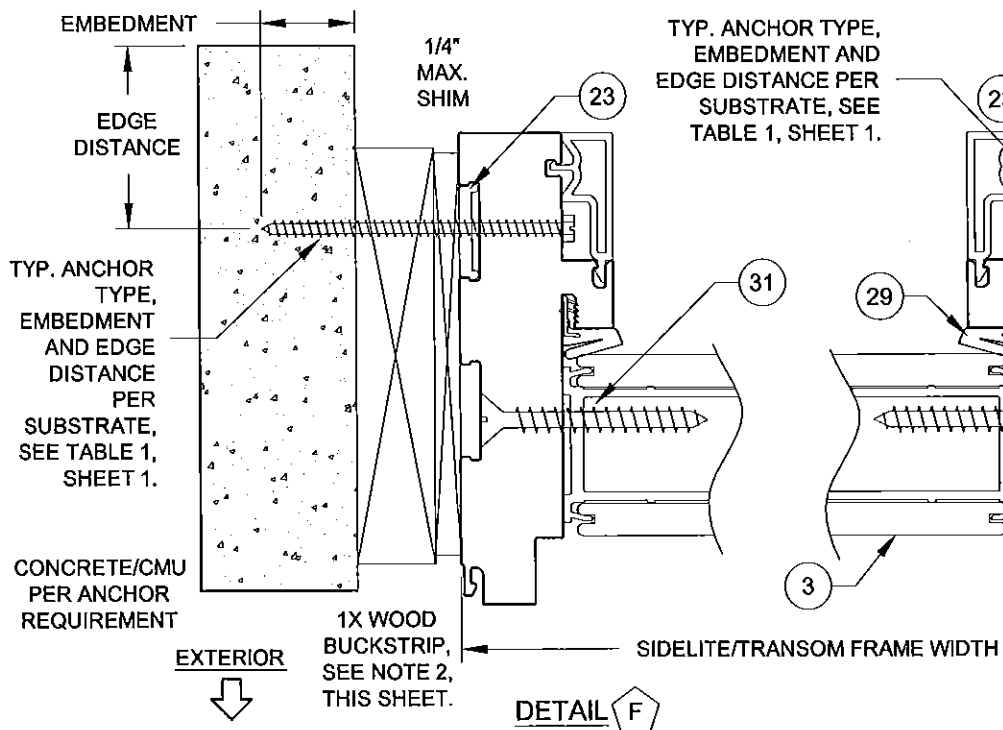
ANTHONY LYNN MILLER  
LICENSE  
No. 58705  
STATE OF  
FLORIDA  
PROFESSIONAL ENGINEER  
A. LYNN MILLER, P.E.  
P.E.# 58705





### INSTALLATION OPTION 3

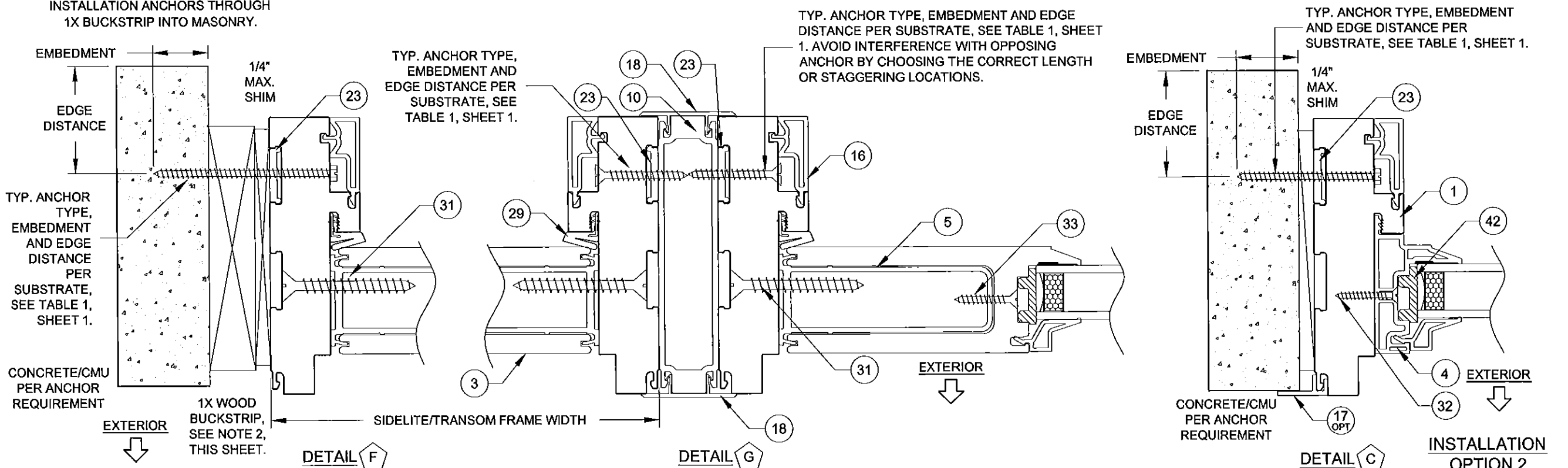
INSTALLATION ANCHORS THROUGH 1X BUCKSTRIP INTO MASONRY.



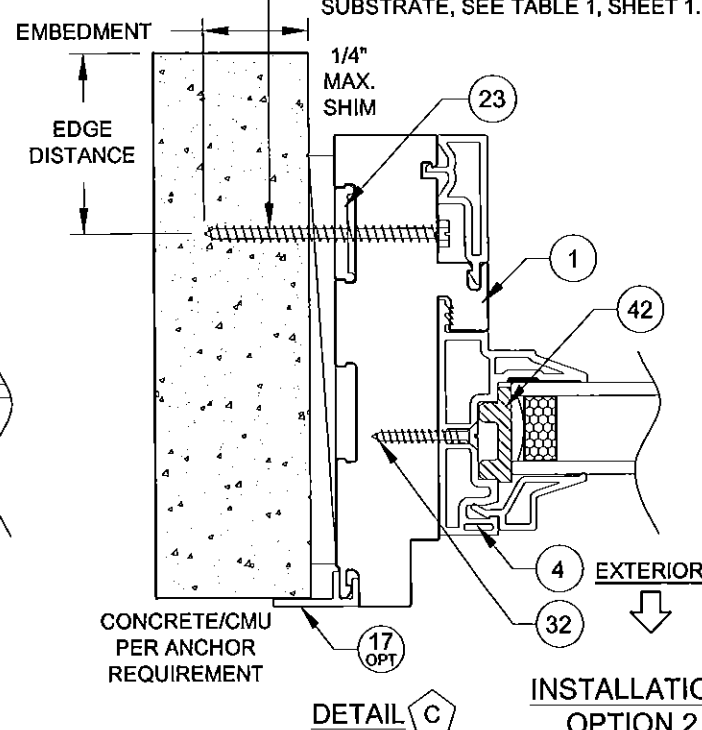
### INSTALLATION NOTES:

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

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



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

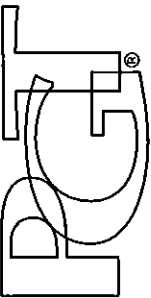


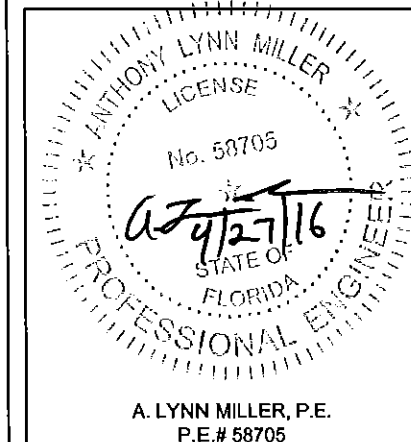
### INSTALLATION OPTION 2

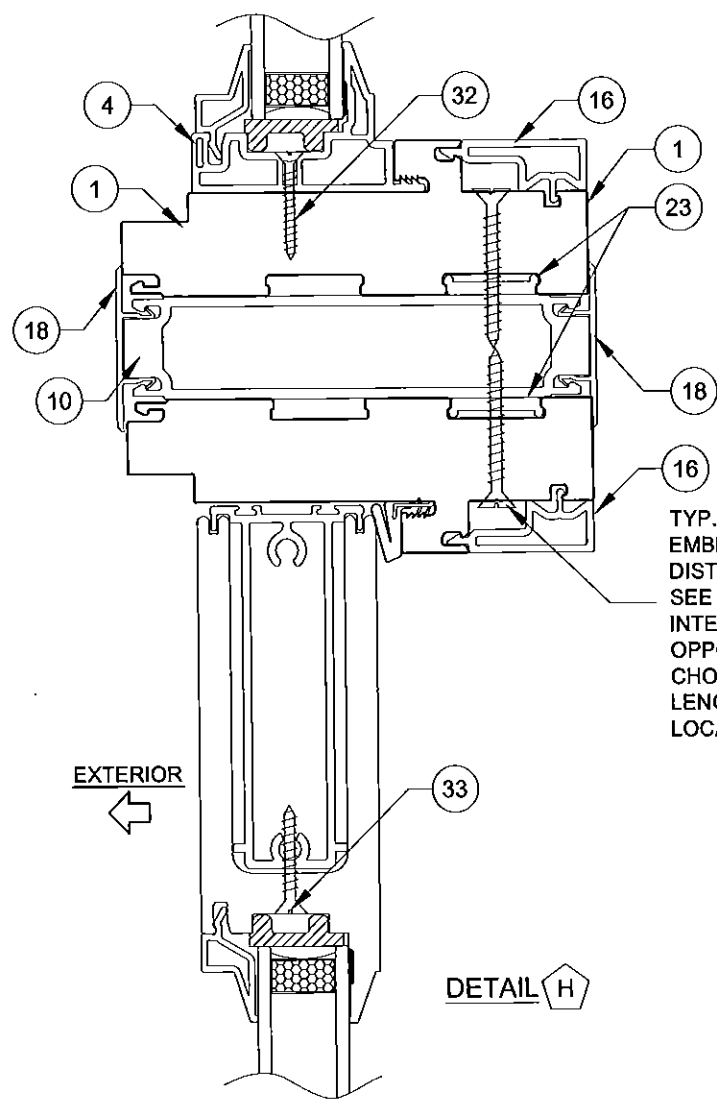
INSTALLATION ANCHORS DIRECTLY INTO MASONRY.

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Expiration Date 12-23, 2019  
By *Mamuel P...*  
Miami Dade Product Control

|       |                                          |
|-------|------------------------------------------|
| Rev A | A) NO CHANGES THIS SHEET - JR - 03/18/15 |
| Rev B | B) NO CHANGES THIS SHEET - JR - 01/24/16 |
| Rev C |                                          |

|                                                                                       |  |  |  |                                                                                                      |  |  |  |
|---------------------------------------------------------------------------------------|--|--|--|------------------------------------------------------------------------------------------------------|--|--|--|
|  |  |  |  | 1070 TECHNOLOGY DRIVE<br>N. VENICE, FL 34275<br>P.O. BOX 1529<br>NOKOMIS, FL 34274<br>(941)-480-1600 |  |  |  |
| CERT. OF AUTH. #29296                                                                 |  |  |  | VINYL FRENCH DOOR AND SLT/TR                                                                         |  |  |  |
| Date                                                                                  |  |  |  | 5/7/13                                                                                               |  |  |  |
| By                                                                                    |  |  |  | J ROSOWSKI                                                                                           |  |  |  |
| DWG No.                                                                               |  |  |  | MD-455.1                                                                                             |  |  |  |
| Sheet                                                                                 |  |  |  | 8 OF 12                                                                                              |  |  |  |
| Scale                                                                                 |  |  |  | NTS                                                                                                  |  |  |  |
| Series                                                                                |  |  |  | FD-5455                                                                                              |  |  |  |
| Desc.                                                                                 |  |  |  | INSTALLATION 2                                                                                       |  |  |  |
| Title                                                                                 |  |  |  | VINYL FRENCH DOOR AND SLT/TR                                                                         |  |  |  |





#### INSTALLATION NOTES:

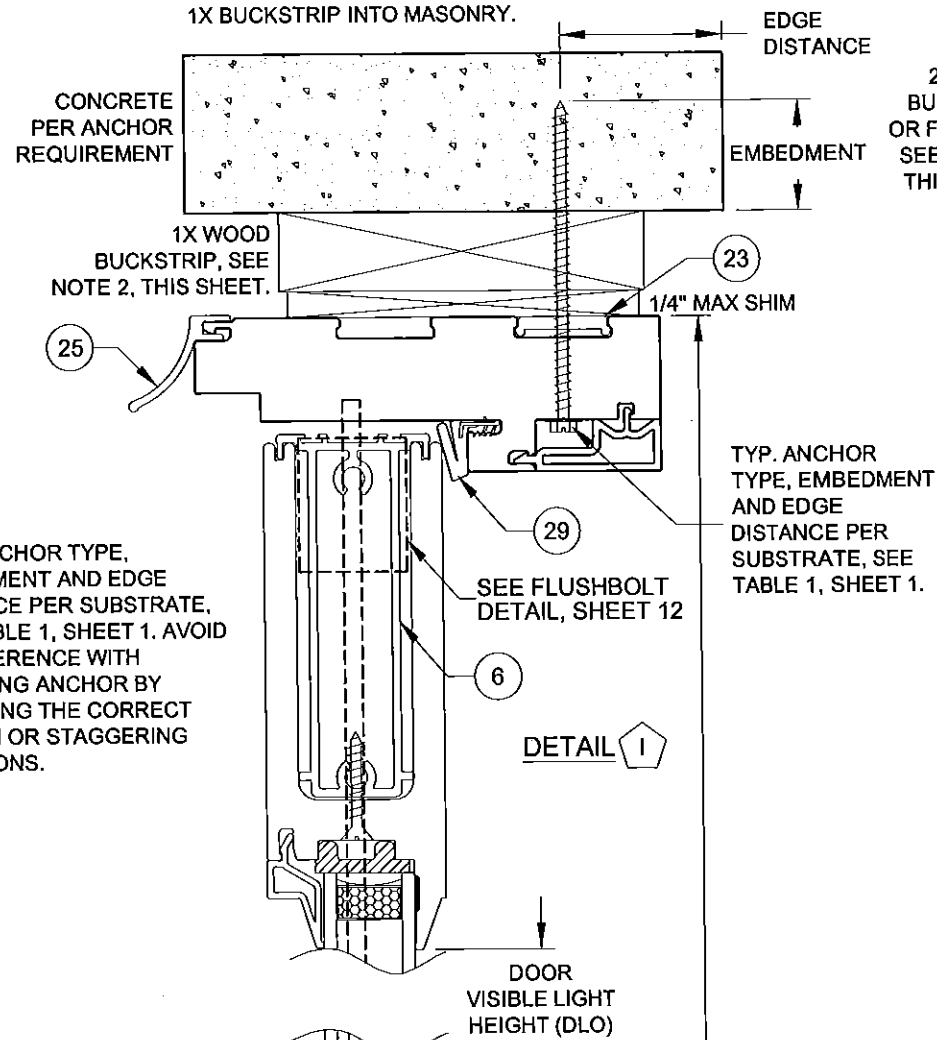
1) USE ONLY SUBSTRATE-APPROPRIATE ANCHORS LISTED ON TABLE 1, SHEET 1. FOLLOW EMBEDMENT AND EDGE DISTANCE LIMITS. ANY INSTALLATION OPTION SHOWN MAY BE USED ON ANY SIDE OF THE DOOR, SIDELITE OR TRANSOM.

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.

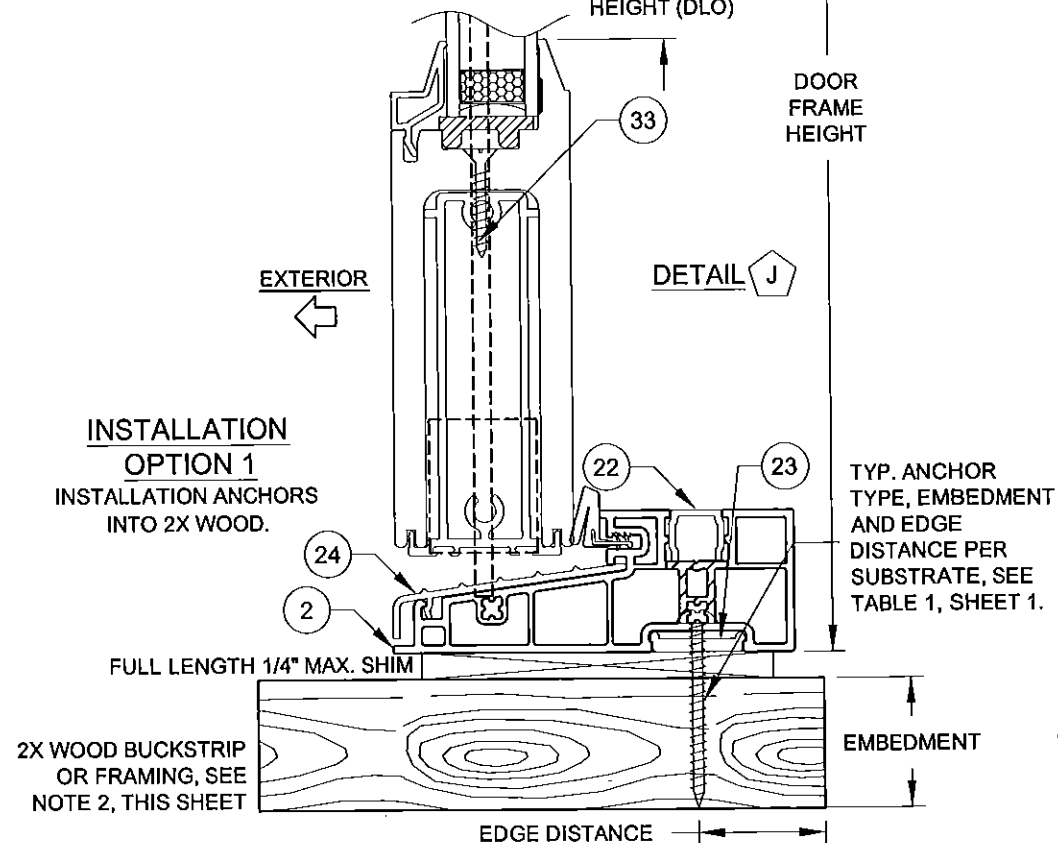
3) FOR ATTACHMENT TO METAL: THE STRUCTURAL MEMBER SHALL BE OF A SIZE TO PROVIDE FULL SUPPORT TO THE FRAME OF THE DOOR, SIDELITE OR TRANSOM.

4) IF APPLICABLE, LOWEST DESIGN PRESSURE FROM DOOR, SIDELITE, TRANSOM OR MULLION APPLIES TO THE WHOLE SYSTEM.

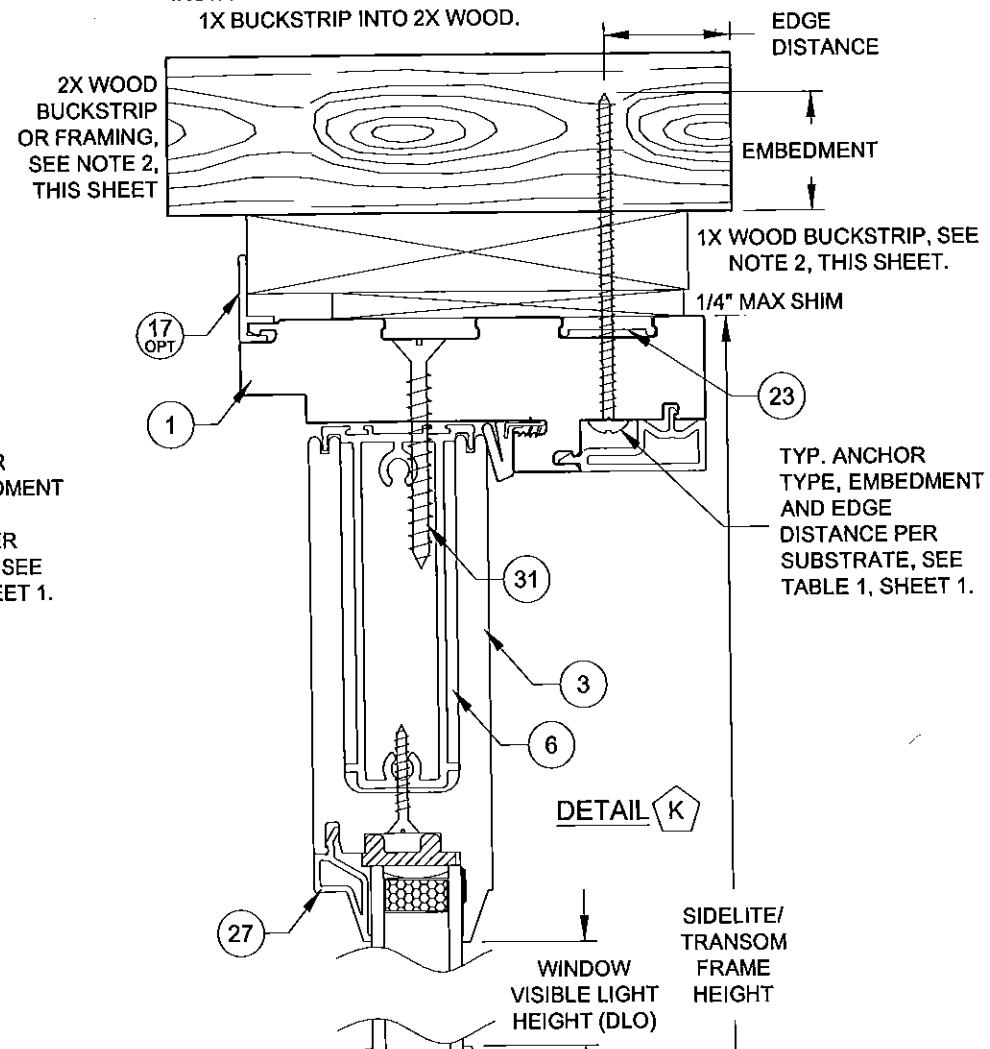
#### INSTALLATION OPTION 3 INSTALLATION ANCHORS THROUGH 1X BUCKSTRIP INTO MASONRY.



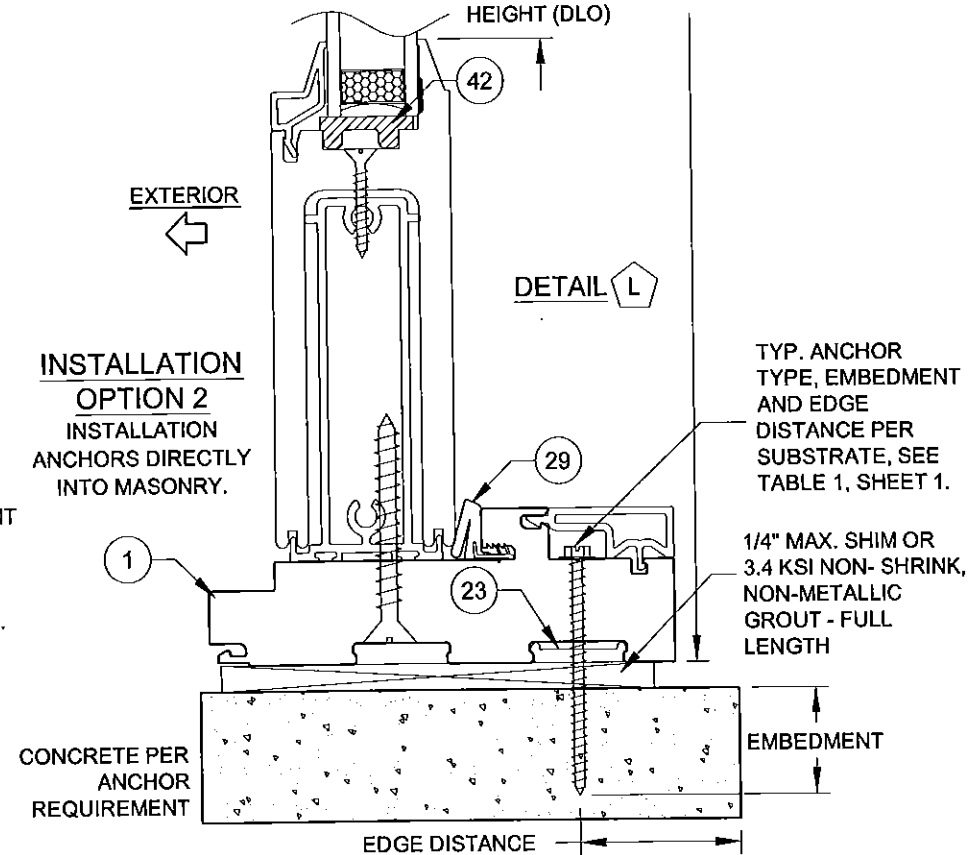
#### INSTALLATION OPTION 1 INSTALLATION ANCHORS INTO 2X WOOD.



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



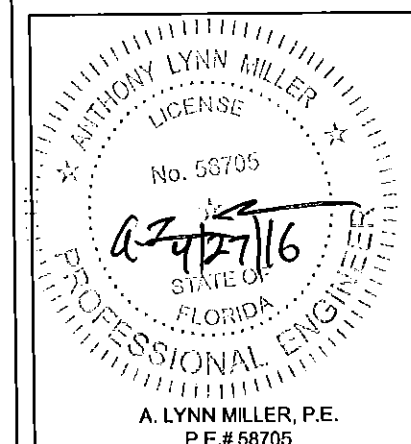
#### INSTALLATION OPTION 2 INSTALLATION ANCHORS DIRECTLY INTO MASONRY.

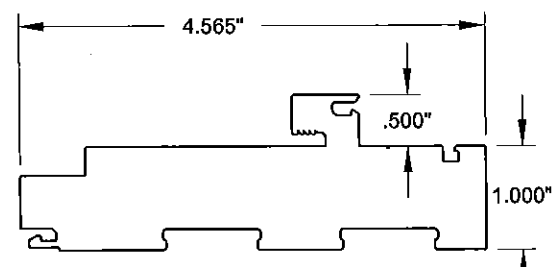


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By *Marcus Perez*  
Miami Dade Product Control

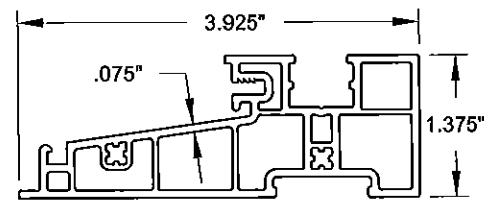
Rev A) NO CHANGES THIS SHEET - JR - 03/18/15  
Rev B) NO CHANGES THIS SHEET - JR - 01/24/16  
Rev C

|                                                                                                      |                |            |          |         |        |         |         |       |
|------------------------------------------------------------------------------------------------------|----------------|------------|----------|---------|--------|---------|---------|-------|
| 1070 TECHNOLOGY DRIVE<br>N. VENICE, FL 34275<br>P.O. BOX 1529<br>NOKOMIS, FL 34274<br>(941)-480-1600 | 5/7/13         | J ROSOWSKI | MD-455.1 | 9 OF 12 | NTS    | FD-5455 | Rev.    | B     |
|                                                                                                      |                |            |          |         |        |         | Date    |       |
|                                                                                                      |                |            |          |         |        |         | By      |       |
|                                                                                                      |                |            |          |         |        |         | DWG No. |       |
| VINYL FRENCH DOOR AND SLT/TR                                                                         | INSTALLATION 3 | Sheet      | Scale    | Title   | Series | Desc.   | Title   | Title |
|                                                                                                      |                |            |          |         |        |         |         |       |
|                                                                                                      |                |            |          |         |        |         |         |       |
|                                                                                                      |                |            |          |         |        |         |         |       |

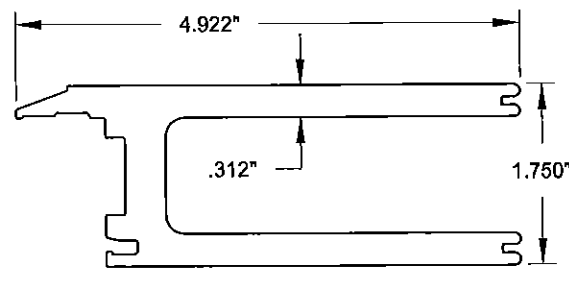




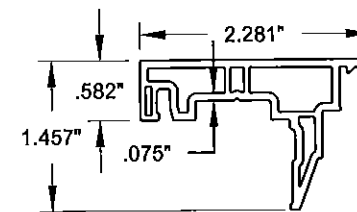
1 **FRAME HEAD & JAMB**  
#20000, Rigid Cellular PVC



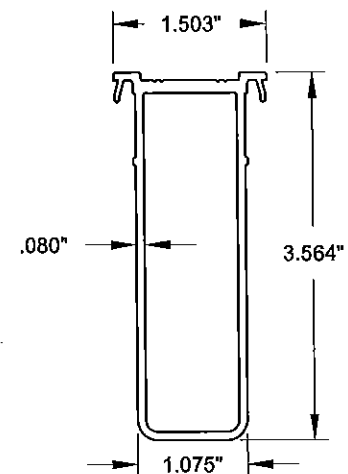
2 **FRAME SILL**  
#20001, Rigid PVC



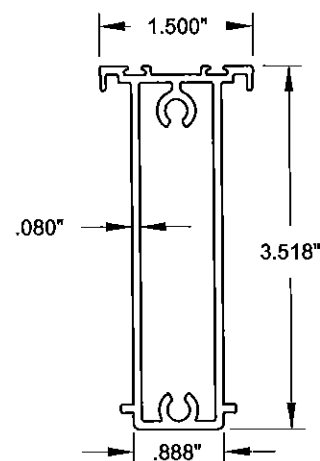
3 **PANEL RAIL & STILE**  
#20002, Rigid Cellular PVC



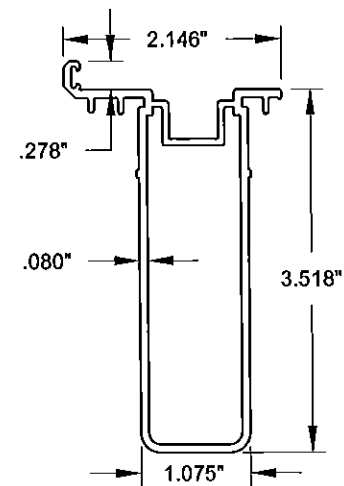
4 **SIDELITE ADAPTER**  
#20003, Rigid PVC



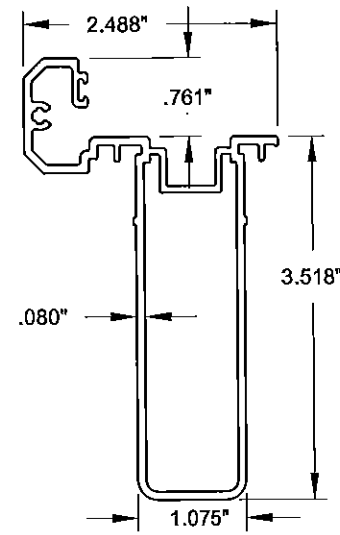
5 **HINGE STILE REINFORCEMENT**  
#20013, 6063-T6



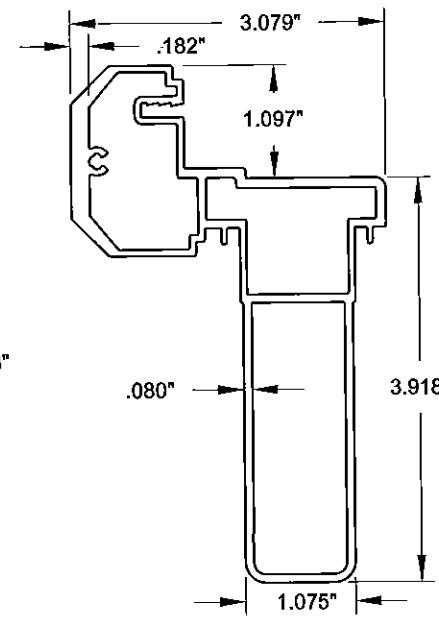
6 **TOP & BOTTOM RAIL REINFORCEMENT**  
#20014, 6063-T6



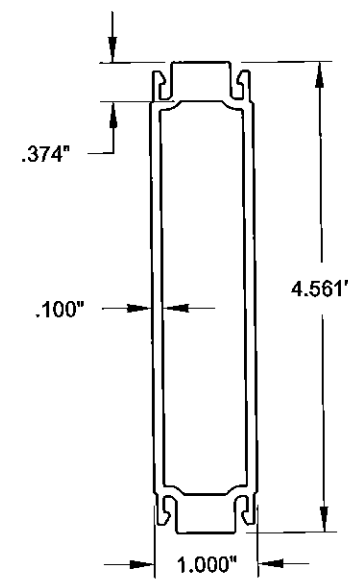
7 **PANEL STILE REINFORCEMENT**  
#20015, 6063-T6



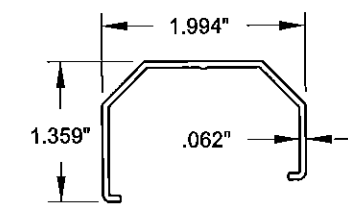
8 **ACTIVE ASTRAGAL**  
#20016, 6063-T6



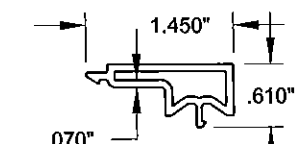
9 **INACTIVE ASTRAGAL**  
#20017, 6063-T6



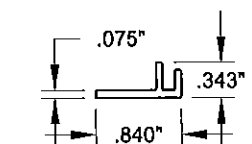
10 **1\"/>**



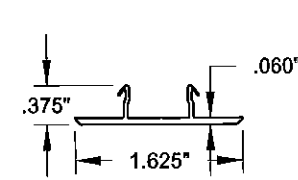
13 **INACTIVE ASTRAGAL COVER**  
#20004, Rigid PVC



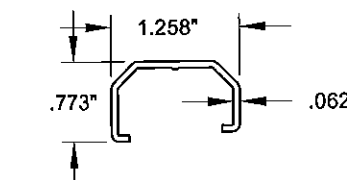
16 **FRAME SCREW COVER**  
#20007, Rigid PVC



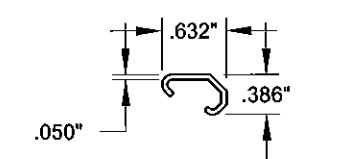
17 **ADD-ON FIN/FLANGE**  
#20008, Rigid PVC



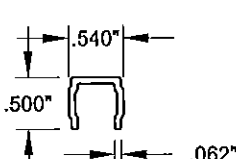
18 **1\"/>**



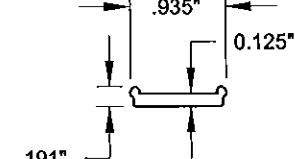
19 **ACTIVE ASTRAGAL COVER**  
#20011, Rigid PVC



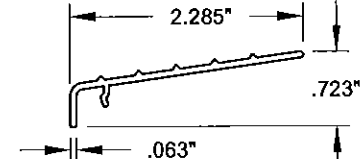
20 **SINGLE DOOR ASTRAGAL COVER**  
#20012, Rigid PVC



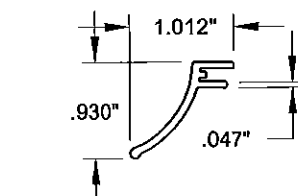
22 **SILL CAP**  
#19009, Rigid PVC



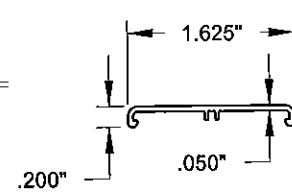
23 **ANCHOR PLATE**  
#19031, 6063-T6



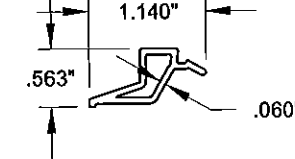
24 **THRESHOLD CAP**  
#20020, 6063-T6



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



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



27 **7/8\"/>**

PRODUCT REVISED  
as complying with the Florida  
Building Code  
Acceptance No. 16-0126-06  
Expiration Date Jan. 23, 2019  
By *Manuel Perez*  
Miami/Dade Product Control

Rev A NO CHANGES THIS SHEET -  
JR - 03/18/15  
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Rev C

|                                                                                                      |       |          |       |            |     |          |        |   |
|------------------------------------------------------------------------------------------------------|-------|----------|-------|------------|-----|----------|--------|---|
| 1070 TECHNOLOGY DRIVE<br>N. VENICE, FL 34275<br>P.O. BOX 1529<br>NOKOMIS, FL 34274<br>(941)-480-1600 | Date  | 5/7/13   | By    | J ROSOWSKI | No. | MD-455.1 | Rev.   | B |
|                                                                                                      |       |          |       |            |     |          |        |   |
|                                                                                                      |       |          |       |            |     |          |        |   |
|                                                                                                      |       |          |       |            |     |          |        |   |
| VINYL FRENCH DOOR AND SLT/TR<br>EXTRUSIONS                                                           | Sheet | 10 OF 12 | Scale | NTS        | Dwg |          | Series |   |
|                                                                                                      |       |          |       |            |     |          |        |   |
|                                                                                                      |       |          |       |            |     |          |        |   |
|                                                                                                      |       |          |       |            |     |          |        |   |
| CERT. OF AUTH. #29296                                                                                | Title | FD-5455  | Desc. |            |     |          |        |   |
|                                                                                                      |       |          |       |            |     |          |        |   |
|                                                                                                      |       |          |       |            |     |          |        |   |
|                                                                                                      |       |          |       |            |     |          |        |   |

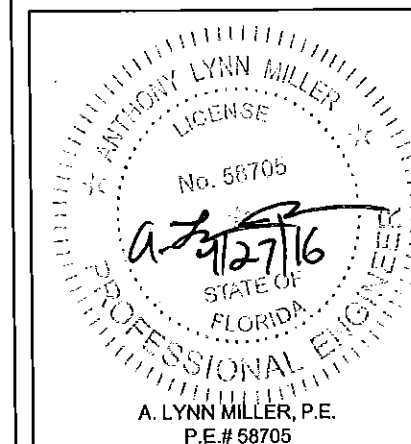


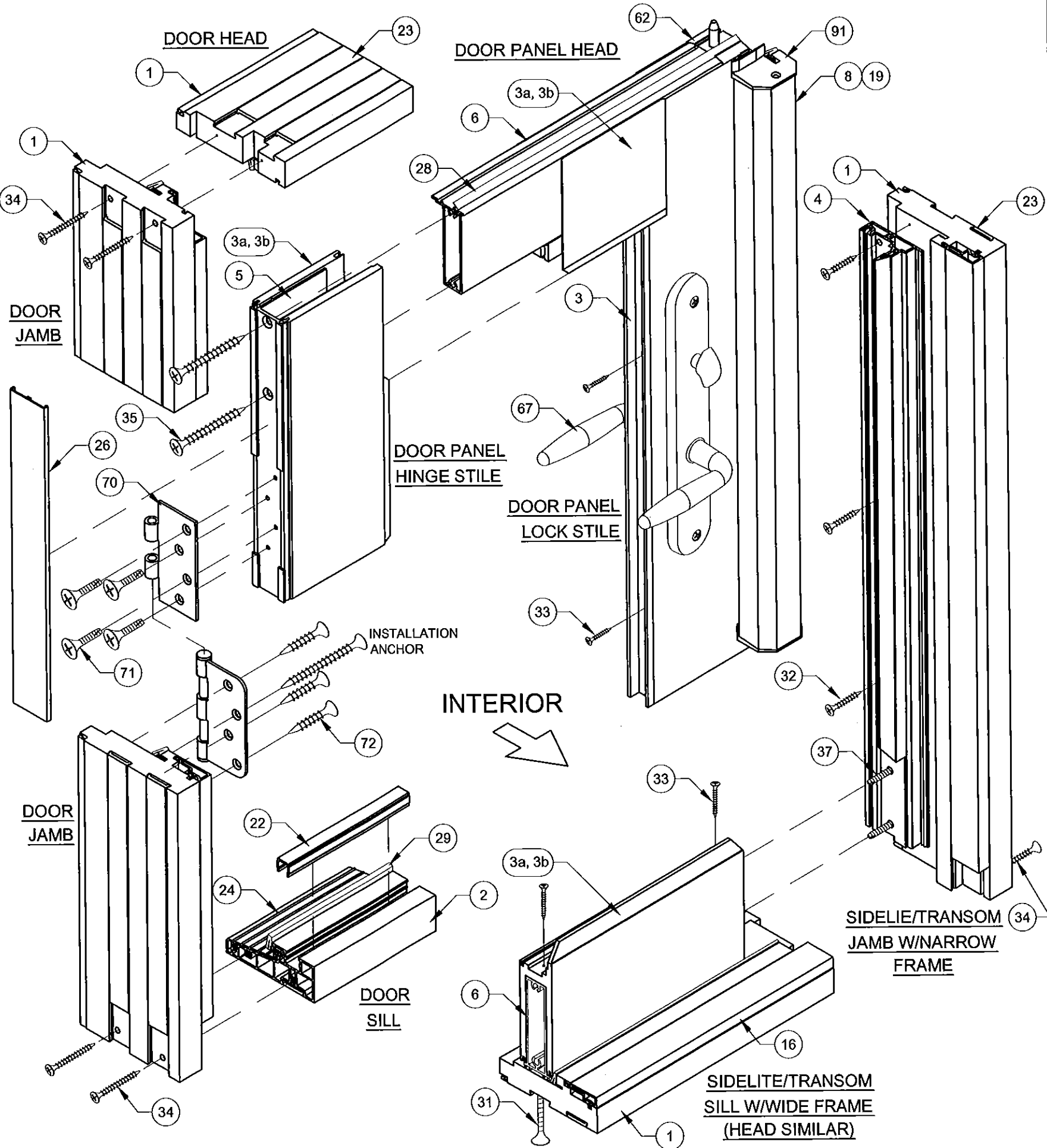
TABLE 10:

| #                                            | PGT Part #  | Description                                                 | Material        |
|----------------------------------------------|-------------|-------------------------------------------------------------|-----------------|
| 1                                            | 20000       | Door & Sidelite/Transom Main Frame                          | Cellular PVC    |
| 2                                            | 20001       | Door Frame Sill                                             | Rigid PVC       |
| 3                                            | 20002       | Panel Stile & Rail                                          | Cellular PVC    |
| 4                                            | 20003       | Sidelite Adapter                                            | Rigid PVC       |
| 5                                            | 20013       | Hinge Stile Reinforcement                                   | Alum., 6063-T6  |
| 6                                            | 20014       | Panel Rail Reinforcement                                    | Alum., 6063-T6  |
| 7                                            | 20015       | Panel Stile Reinforcement                                   | Alum., 6063-T6  |
| 8                                            | 20016       | Active Astragal                                             | Rigid PVC       |
| 9                                            | 20017       | Inactive Astragal                                           | Rigid PVC       |
| 10                                           | 20022       | 1" French Door Mullion                                      | Alum., 6063-T6  |
| 13                                           | 20004       | Inactive Astragal Cover                                     | Rigid PVC       |
| 16                                           | 20007       | Screw Cover                                                 | Rigid PVC       |
| 17                                           | 20008       | Add-on Fin/Flange                                           | Rigid PVC       |
| 18                                           | 20009       | 1" Mullion Cap                                              | Rigid PVC       |
| 19                                           | 20011       | Active Astragal Cover                                       | Rigid PVC       |
| 20                                           | 20012       | Single Door Astragal Cover                                  | Rigid PVC       |
| 22                                           | 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                                           | 20024       | 7/8" Beveled 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 |
| 37                                           | 71420X2.25  | N-W Slab Assembly Screw: #14 X 2-1/4" Ph. FH                | Stainless Steel |
| 38                                           |             | Cardinal XL Edge Spacer                                     |                 |
| 39                                           |             | Quanex DuraSeal Spacer, Composite Sealant/Desiccant         |                 |
| 40                                           | 82689       | Quanex SuperSpacer, Foam EPDM w/ Desiccant & Butyl          |                 |
| 41                                           |             | TPS Spacer System                                           |                 |
| 42                                           | 720026      | Setting Block, (Duro.=85 +/- 5)                             | EPDM            |
| 43                                           |             | Backbedding: Dow-995 or GE-7700                             | Silicone        |
| 47 - 73 see Hardware BOM, Table 11, 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 / 2) - 12.1 = DLO HEIGHT  
(XX DOOR FRAME WIDTH / 2) - 11.7 = 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  
as complying with the Florida  
Building Code  
Acceptance No. 16-0126-06  
Expiration Date Jan. 23, 2019  
By Manuel Perez  
Miami Dade Product Control

Rev. A NO CHANGES THIS SHEET - JR - 03/18/15  
Rev. B ADDED TPS SPACER - JR - 01/24/16  
Rev. C

|                                                                                                      |                |                  |                 |                   |                  |              |
|------------------------------------------------------------------------------------------------------|----------------|------------------|-----------------|-------------------|------------------|--------------|
| 1070 TECHNOLOGY DRIVE<br>N. VENICE, FL 34275<br>P.O. BOX 1529<br>NOKOMIS, FL 34274<br>(941)-480-1600 | 5/7/13<br>Date | J ROSOWSKI<br>By | MD-455.1<br>No. | 11 OF 12<br>Sheet | FD-5455<br>Scale | NTS<br>Title |
| VINYL FRENCH DOOR AND SLT/TR<br>CORNER DETAILS AND BOM                                               |                |                  |                 |                   |                  |              |

ANTHONY LYNN MILLER  
LICENSE  
No. 58705  
A-272716  
STATE OF FLORIDA  
PROFESSIONAL ENGINEER  
A. LYNN MILLER, P.E.  
P.E.# 58705

HARDWARE DETAILS & LOCATIONS

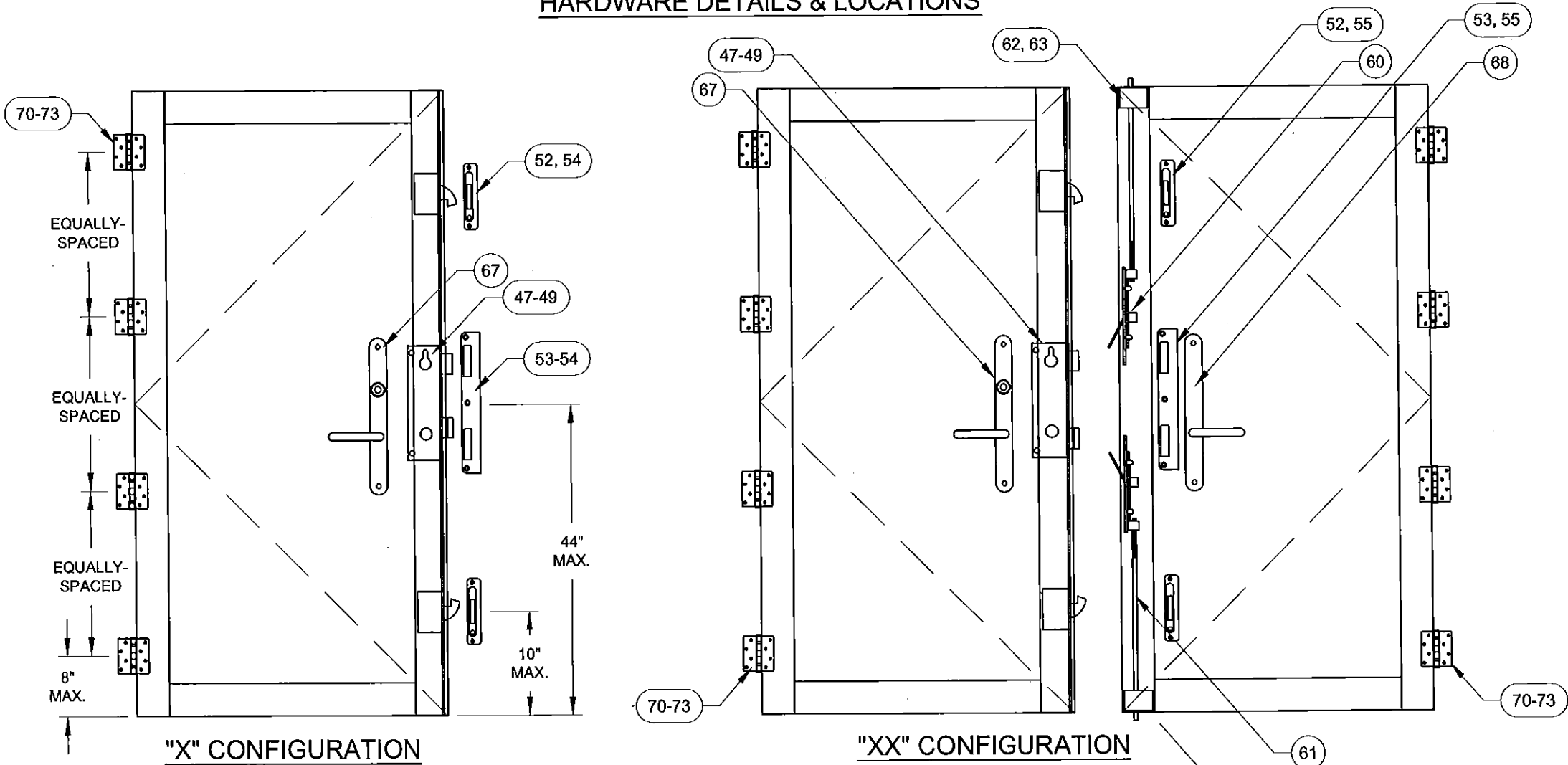
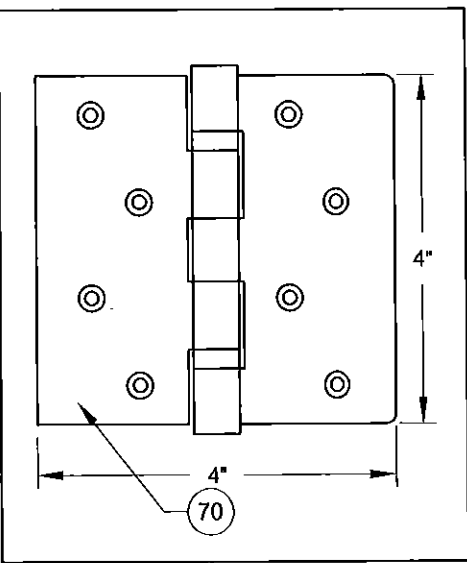


TABLE 11:

| #  | PGT 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       | Bult 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

9/16\"  
BEYOND  
PANEL

FLUSH BOLT DETAIL:

PRODUCT REVISED  
as complying with the Florida  
Building Code  
Acceptance No. 16-0126.06  
Expiration Date Jan 23, 2019  
By *Manuel P. [Signature]*  
Miami Dade Product Control

Rev A NO CHANGES THIS SHEET -  
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Rev C

1070 TECHNOLOGY DRIVE  
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(941)-480-1600

CERT. OF AUTH. #29296

VINYL FRENCH DOOR AND SLT/TR  
DESIGN PRESSURE TABLES 3

12 OF 12  
FD-5455  
NTS  
Scale

J ROSOWSKI  
MD-455.1  
B

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