MIAMI-DADE COUNTY

DEPARTMENT OF REGULATORY AND ECONOMIC RESOURCES (RER)

BOARD AND CODE ADMINISTRATION DIVISION

**MIAMI–DADE** COUNTY, FLORIDA
**PRODUCT CONTROL SECTION**
11805 SW 26 Street, Room 208
Miami, FL 33175-2474
T (786) 315–2590 F (786) 315–2599
www.miamidade.gov/economy

# NOTICE OF ACCEPTANCE (NOA)

**PGT Industries, Inc.**
**1070 Technology Drive**
**Nokomis, 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, has been designed to comply with the Florida Building Code, including the High Velocity Hurricane Zone.

**DESCRIPTION: Series "FD–750" Outswing Aluminum French Door w/ Sidelites – L.M.I.**

**APPROVAL DOCUMENT:** Drawing No. **8000–11 Rev I**, titled "Alum. French Door & Side Lites, Impact", sheets 1 through 12 of 12, dated 12/23/04 and last revised on 07/19/2023, prepared by manufacturer, signed and sealed by Anthony Lynn Miller, P. E., bearing the Miami–Dade County Product Control Section 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**

**Limitations**:

1. See sheet **3** for Design Pressures (DP) VS sizes and glass types for doors and sidelites and overhang /sill options in sheet **1**. When doors are assembled with sidelites, lower design pressures from door or sidelite shall control.
2. See glass options in sheet **1 & 2** and spacer options for insulated glass in sheet **9**.
3. See installation anchoring details in sheets **10, 11** and **12.**

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

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

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

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

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

This NOA **revises NOA No. 20-0427.03** 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 documentation was reviewed by **Sifang Zhao, P. E.**

MIAMI-DADE COUNTY APPROVED

S. Z.

08/17/2023

## NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

**1. Evidence submitted under previous approvals**

**A. DRAWINGS**

**1.** Manufacturer's die drawings and sections

2. Extrusion DWG # 8058 Rev A. ***(submitted under NOA#20-0427.03)***

3. Drawing No. **8000–11 Rev H**, titled "Alum. French Door & Side Lites, Impact", sheets 1 through 12 of 12, dated 12/23/04 and last revised on 04/20/20, prepared by manufacturer, signed and sealed by Anthony Lynn Miller, P. E.

**B. TESTS**

**1.** Test reports on: 1) Air Infiltration Test, per FBC, TAS 202–94
2) Uniform Static Air Pressure Test, Loading per FBC, TAS 202–94
3) Water Resistance Test, per FBC, TAS 202–94
4) Forced Entry Test, per FBC 2411.3.2.1, and TAS 202–94

along with marked–up drawings and installation diagram of an aluminum sliding glass door using a low sill threshold, glazed with 7/16" laminated glass, prepared by Fenestration Testing Laboratory, Inc., Test Report No. **FTL–5941**, dated 05/20/09, signed and sealed by Julio E. Gonzalez, P. E. ***(Submitted under previous NOA No. 09–1028.10)***

along with marked–up drawings and installation diagram of an aluminum doors of OXXO configuration, prepared by Fenestration Testing Laboratory, Inc., Test Report No. **FTL–4921,** dated 07/17/06, signed and sealed by Edmundo J. Largaespada, P. E.
***(Submitted under previous NOA No. 05–0419.03)***

**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

along with marked–up drawings and installation diagram of an aluminum doors of OXXO configuration, prepared by Fenestration Testing Laboratory, Inc., Test Reports No.'s **FTL–4528,** dated 02/14/05, **FTL–4315,** dated 09/13/04, both signed and sealed by Edmundo J. Largaespada, P. E. ***(Submitted under previous NOA No. 05–0419.03)***

**3.** Test reports on: 1) Large Missile Impact Test per FBC, TAS 201–94
2) Cyclic Wind Pressure Loading per FBC, TAS 203–94

along with marked–up drawings and installation diagram of an aluminum doors of XXXO configuration, prepared by Fenestration Testing Laboratory, Inc., Test Reports No.'s **FTL–4529,** dated 02/14/05, **FTL–4530,** dated 02/14/05, **FTL–4311,** dated 09/01/04, all signed and sealed by Edmundo J. Largaespada, P. E. ***(Submitted under previous NOA No. 05–0419.03)***

**4.** 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 aluminum outswing French door, prepared by Fenestration Testing Laboratory, Inc., Test Report No. **FTL–4312,** dated 09/13/04, signed and sealed by Edmundo J. Largaespada, P. E.
***(Submitted under previous NOA No. 05–0419.03)***

**Sifang Zhao, P. E.**
**Product Control Examiner**
**NOA No. 23-0724.04**
**Expiration Date: February 24, 2025**
**Approval Date: August 17, 2023**

## NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

**B. TESTS (CONTUNUED)**

**5.** Reference Test report on 1) Uniform Static Air Pressure Test, 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 Aluminum Sliding Glass Doors (w/ PS, Super, Cardinal & Duraseal Spacers), prepared by Fenestration Testing Laboratory, Inc., Test Reports No(s) **FTL-8717, FTL-8970** and **FTL-8968**, dated 02/15/16, 06/07/16 and 06/20/16, all signed & sealed by Idalmis Ortega, P.E.
***(Submitted under previous NOA No. 16-0629.16)***

**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
4) Large Missile Impact Test per FBC, TAS 201–94
5) Cyclic Wind Pressure Loading per FBC, TAS 203–94
6) Forced Entry Test, per ASTM F588 and TAS 202-94
along with marked-up drawings and installation diagram of all PGT Industries, Inc., representative units listed below and tested to qualify **Dowsil 791** and **Dowsil 983** silicones, per Proposal #**19-1155TP**, prepared by Fenestration Testing Laboratory, Inc., Test Reports No.: **PGT Industries, Inc. test specimens: FTL-7897,** PGT PW5520 PVC Fixed Window (unit 6 in proposal), dated 09/03/14, **FTL-20-2107.1,** PGT SGD780 Aluminum Sliding Glass Door (unit 7 in proposal) **FTL-20-2107.2,** PGT CA740 Alum. Outswing Casement Window (unit 8 in proposal) **FTL-20-2107.3,** PGT PW7620A Aluminum Fixed Window (unit 9 in proposal) and **FTL-20-2107.4**, PGT PW7620A Aluminum Fixed Window (unit 10 in proposal) all dated 07/13/20 and signed and sealed by Idalmis Ortega, P.E.
***(Submitted under previous NOA No. 20-0427.03)***

**C. CALCULATIONS**

**1.** Anchor verification calculations and structural analysis, complying with **FBC 2010 and FBC 2014, 5th Edition**, prepared by manufacturer, dated 10/11/11, signed and sealed by A. Lynn Miller, P. E.

**2.** Anchor verification calculations and structural analysis, complying with **FBC 5th Edition (2014)** and **FBC 6th Edition (2017)**, prepared by manufacturer, dated 11/22/17, signed and sealed by A. Lynn Miller, P. E.

**3.** Anchor verification calculations and structural analysis, complying with **FBC 2020, 7th Edition**, prepared by manufacturer, dated 04/20/20, signed and sealed by A. Lynn Miller, P. E.

**4.** Glazing complies with ASTM E1300–04, -09, -12 and-16.

**D. QUALITY ASSURANCE**

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

**Sifang Zhao, P. E.**
**Product Control Examiner**
**NOA No. 23-0724.04**
**Expiration Date: February 24, 2025**
**Approval Date: August 17, 2023**

## NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

### E. MATERIAL CERTIFICATIONS

1. Notice of Acceptance No. 19-0305.02 issued to Kuraray America, Inc. for their "Trosifol® Ultraclear, Clear, and Color PVB Glass Interlayers", expiring on 07/08/24.
2. Notice of Acceptance No. 18-0301.06 issued to Eastman Chemical Company (MA) for their "Saflex CP – Saflex and Saflex HP Composite Glass Interlayers with PET Core" expiring on 12/11/23.
3. Notice of Acceptance No. **17-0712.05** issued to **Eastman Chemical Company (MA)** for their "**Saflex HP Clear or Color Glass Interlayers**", expiring on 05/21/21.

### F. STATEMENTS

**1.** Statement letter of conformance to **FBC–2010** and complying with **FBC 5th Edition (2014)**, issued by manufacturer, dated 11/06/14, signed and sealed by A. Lynn Miller, P. E.

**2.** Statement letter of conformance with **FBC 5th Edition (2014)** and **FBC 6th Edition (2017),** issued by manufacturer, dated 08/16/17, signed and sealed by A. Lynn Miller, P. E.

**3.** Statement letter of conformance to **FBC 2017 (6th Edition)** and **FBC 2020 (7th Edition)**, issued by manufacturer, dated 11/22/19, signed and sealed by Lynn Miller, P. E.

**4.** Statement letter of no financial interest, issued by manufacturer, dated 11/22/19, signed and sealed by A. Lynn Miller, P. E.

**5.** Department of State Certification of **PGT INDUSTRIES, INC.** as a for profit corporation, active and organized under the laws of the State of Florida, dated 01/27/15 and filed by Ken Detzner, Secretary of State.

**6.** Notification of Successor Engineer for manufacturer's NOA document per **Section 61G15–27.001** of the **Florida Administrative Code**, notifying original engineer that the successor engineer is assuming full professional and legal responsibility for all engineering documents pertaining to this NOA, dated 10/07/11, signed and sealed by A. Lynn Miller, P. E.

### G. OTHERS

**1.** Proposal No.**08–1891** issued by Product Control, dated 01/26/09, signed by Ishaq Chanda, P. E.

**2.** Test proposal No. **16-0152** dated 03/09/16 approved by RER.

**3.** RER Test proposal # **19-1155,** dated 01/10/20 approved by Ishaq I. Chanda, P.E.

**Sifang Zhao, P. E.**
**Product Control Examiner**
**NOA No. 23-0724.04**
**Expiration Date: February 24, 2025**
**Approval Date: August 17, 2023**

## NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

**2. New Evidence submitted**

**A. DRAWINGS**

1. Drawing No. **8000–11 Rev I**, titled "Alum. French Door & Side Lites, Impact", sheets 1 through 12 of 12, dated 12/23/04 and last revised on 07/19/2023, prepared by manufacturer, signed and sealed by Anthony Lynn Miller, P. E.

**B. TESTS**

**1.** None.

**D. CALCULATIONS**

**1.** None.

**D. QUALITY ASSURANCE**

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

**E. MATERIAL CERTIFICATIONS**

**1.** None.

**F. STATEMENTS**

**1.** Statement letter of conformance to **FBC 2020 (7th Edition)** and **FBC 2023 (8th Edition)**, issued by manufacturer, dated 07/20/2023, signed and sealed by Lynn Miller, P. E.

**2.** Statement letter of no financial interest, issued by manufacturer, dated 07/20/2023, signed and sealed by A. Lynn Miller, P. E.

**G. OTHER**

**1.** This NOA **revises NOA # 20-0427.03,** expiring 02/24/25.

**Sifang Zhao, P. E.**
**Product Control Examiner**
**NOA No. 23-0724.04**
**Expiration Date: February 24, 2025**
**Approval Date: August 17, 2023**

# SERIES 750 OUTSWING, IMPACT RESISTANT FRENCH DOOR AND SIDE LITE

| DESIGN PRESSURE RATING | IMPACT RATING |
|---|---|
| SEE TABLE 1 ON SHEET 3 | RATED FOR LARGE & SMALL MISSILE IMPACT RESISTANCE |

1. GLAZING OPTIONS:
   A. 7/16" LAMI CONSISTING OF (1) LITE OF 3/16" ANNEALED GLASS AND (1) LITE OF 3/16" HEAT STRENGTHENED GLASS WITH AN .090" PVB INTERLAYER
   B. 7/16" LAMI CONSISTING OF (2) LITES OF 3/16" HEAT STRENGTHENED GLASS WITH AN .090" PVB INTERLAYER
   C. 7/16" LAMI CONSISTING OF (1) LITE OF 3/16" ANNEALED GLASS AND (1) LITE OF 3/16" HEAT STRENGTHENED GLASS WITH AN .075" INTERLAYER.
   D. 7/16" LAMI CONSISTING OF (2) LITES OF 3/16" HEAT STRENGTHENED GLASS WITH AN .075" INTERLAYER.
   E. 7/8" LAMI I.G. CONSISTING OF (1) LITE OF 3/16" TEMPERED GLASS OUTSIDE, 1/4" AIR SPACE AND (1) 7/16" LAMI GLASS ASSEMBLY INSIDE (3/16" A,.090" PVB, 3/16" HS).
   F. 7/8" LAMI I.G. CONSISTING OF (1) LITE OF 3/16" TEMPERED GLASS OUTSIDE, 1/4" AIR SPACE AND (1) 7/16" LAMI GLASS ASSEMBLY INSIDE (3/16" HS,.090" PVB, 3/16" HS).
   G. 7/8" LAMI I.G. CONSISTING OF (1) LITE OF 3/16" TEMPERED GLASS OUTSIDE, 1/4" AIR SPACE AND (1) 7/16" LAMI GLASS ASSEMBLY INSIDE (3/16" A,.075" INTERLAYER, 3/16" HS).
   H. 7/8" LAMI I.G. CONSISTING OF (1) LITE OF 3/16" TEMPERED GLASS OUTSIDE, 1/4" AIR SPACE AND (1) 7/16" LAMI GLASS ASSEMBLY INSIDE (3/16" HS,.075" INTERLAYER, 3/16" HS).

2. DESIGN PRESSURES: TABLE 1, SHEET 3.
   A. NEGATIVE DESIGN LOADS BASED ON TESTED PRESSURE AND GLASS TABLES ASTM E1300.
   B. POSITIVE DESIGN LOADS BASED ON WATER TEST PRESSURE AND GLASS TABLES ASTM E1300.
   C. DESIGN LOADS ARE BASED ON ALLOWABLE STRESS DESIGN, ASD.

TABLE A:

| Anchor Group | Anchor Type | Frame Member | Substrate | Min. Edge Distance | Min. Embedment or Metal Thickness |
|---|---|---|---|---|---|
| A | #12 SMS (steel, 18-8 S.S. or 410 S.S.) | All | Southern Pine (SG = 0.55) | 9/16" | 1-3/8" |
| | | All | 6063-T5 Aluminum | 3/8" | 1/8" |
| | | All | Steel, A36 | 3/8" | 0.060" |
| | | All | Steel Stud, A1003 Gr. 33 | 3/8" | 0.0451" (18 Ga.) |
| B | 1/4" DeWalt UltraCon+® | All | Concrete (min. 3 ksi) | 2" | 1-3/4" |
| | | Jamb | Hollow Block (ASTM C90) | 2" | 1-1/4" |
| C | 1/4" 410 SS Elco/DeWalt CreteFlex® | All | Concrete (min. 3.35 ksi) | 1-3/4" | 1-3/4" |
| | | Jamb | Hollow Block (ASTM C90) | 1-3/4" | 1-1/4" |
| | | All | Southern Pine (SG = 0.55) | 1" | 1-3/8" |

1) WHERE SUBSTRATE CONDITIONS REQUIRE ANCHORAGE FROM MORE THAN ONE OF THE ANCHOR GROUPS ABOVE, CHOOSE THE ANCHOR GROUP OF THE LOWEST LETTER FOR ALL TABLES IN THIS APPROVAL.
2) ALL ANCHOR HEAD TYPES ARE APPLICABLE.
3) MIN. OF 3 THREADS BEYOND METAL SUBSTRATE.
4) ALL ANCHOR HEAD TYPES ACCEPTABLE.

3. CONFIGURATIONS: X, O, XX, XO, OX, XXX, XXO, OXX, OXO, XXXX, XXXO, OXXX, OR OXXO WHERE O REPRESENTS EITHER THE NARROW JAMB OR FULL JAMB SIDE LITE. ANY TWO ADJACENT X UNITS CAN BE EITHER TWO SINGLE, X DOORS OR A DOUBLE, XX DOOR' BOTH USING EITHER THE STANDARD OR THE LOW-RISE SILL. THE FRENCH DOOR ASSEMBLY BEAM IS USED TO ASSEMBLE X, XX, AND O UNITS TO MAKE THE ABOVE CONFIGURATIONS.

4. ANCHORAGE: THE 33 1/3% STRESS INCREASE HAS NOT BEEN USED IN THE DESIGN OF THIS PRODUCT. FOR ANCHORAGE REQUIREMENTS SEE SHEETS 10 THRU 12.

5. SHUTTERS ARE NOT REQUIRED.

6. SEALANT: INSTALLATION SCREWS, FRAME AND PANEL CORNERS SEALED WITH CLEAR COLORED SEALANT. VERTICAL ASSEMBLY BEAM SEAM-SEALED ON THE INTERIOR AND EXTERIOR WITH CONTRACTOR'S SEALANT.

7. REFERENCES: TEST REPORTS: FTL-4311, FTL-4312, FTL-4315, FTL-4527, FTL-4528, FTL-4529, FTL-4530, FTL-4921 AND FTL-5941.
   ANSI/AF&PA NDS FOR WOOD CONSTRUCTION
   ADM ALUMINUM DESIGN MANUAL

8. THIS PRODUCT HAS BEEN DESIGNED & TESTED TO COMPLY WITH THE REQUIREMENTS OF THE FLORIDA BUILDING CODE, INCLUDING THE HIGH VELOCITY HURRICANE ZONE (HVHZ).

GUIDE TO SHEETS:



CODES / STANDARDS USED:

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

| Material | Min. $F_y$ | Min. $F_u$ |
|---|---|---|
| Steel Screw | 92 ksi | 120 ksi |
| 18-8 Screw | 60 ksi | 95 ksi |
| 410 Screw | 90 ksi | 110 ksi |
| Elco UltraCon® | 155 ksi | 177 ksi |
| 1/4" DeWalt UltraCon+® | 148 ksi | 164 ksi |
| 410 SS Elco/Dewalt CreteFlex® | 127.4 ksi | 189.7 ksi |
| 6063-T5 Aluminum | 16 ksi | 22 ksi |
| A36 Steel | 36 ksi | 58 ksi |
| Gr. 33 Steel Stud | 33 ksi | 45 ksi |

"PVB" = .090" TROSIFOL® PVB BY KURARAY AMERICA, INC. OR SAFLEX/KEEPSAFE MAXIMUM PVB BY EASTMAN CHEMICAL CO.; VANCEVA BY EASTMAN CHEMICAL CO.

**PRODUCT REVISED**
**as complying with the Florida Building Code**
**NOA–No.** 23-0724.04
**Expiration Date** 02/24/2025
**By**
**Miami–Dade Product Control**

Revision: D) UPDATED TO 2023 BUILDING CODE. ULTRACONS REMOVED FROM TABLE 1. AM - 07/19/23

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

REGISTRATION #29296

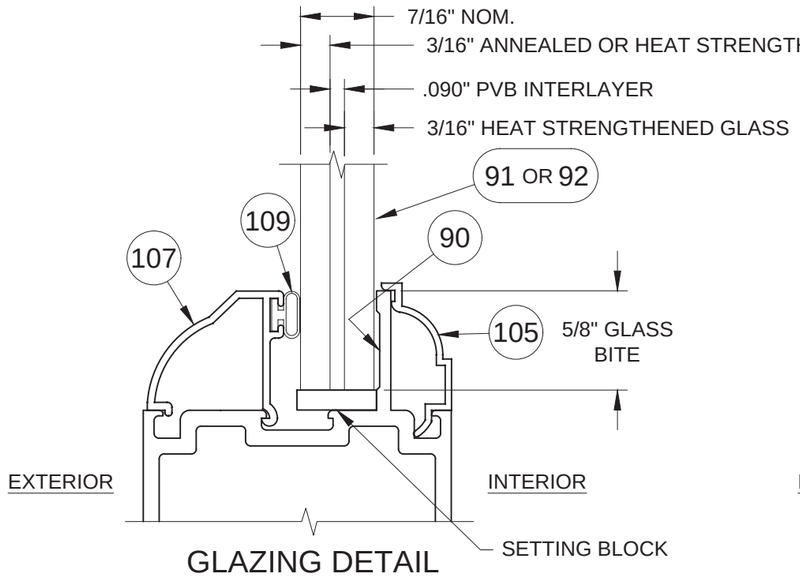
PGT Custom Windows and Doors
1070 TECHNOLOGY DRIVE
N. VENICE, FL 34275
(941) 480-1600

| Title | Date | Drawn By | Rev. |
|---|---|---|---|
| ALUM. FRENCH DOOR & SIDE LITES (LM) | 12/23/04 | JENS ROSOWSKI | 1 |

| Desc. | DWG No. | Sheet |
|---|---|---|
| GENERAL NOTES | 8000-11 | 1 OF 12 |

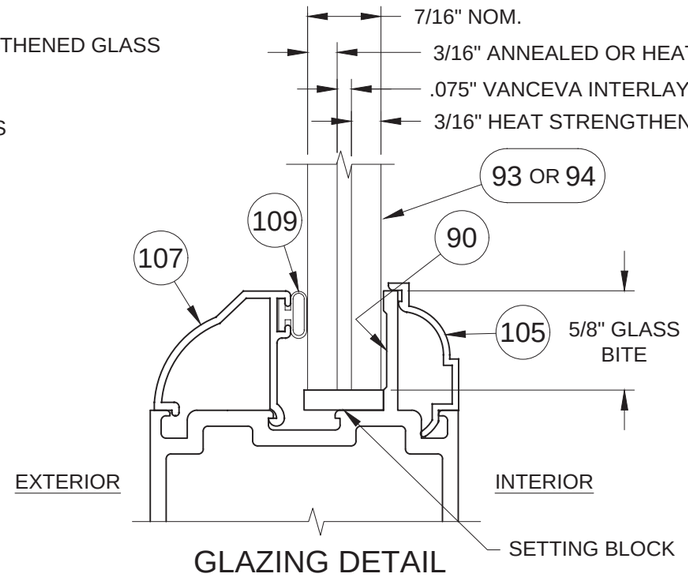
| Series | |
|---|---|
| FD750 | |

ANTHONY LYNN MILLER LICENSE No. 58705 STATE OF FLORIDA PROFESSIONAL ENGINEER
A. Lynn Miller 07/19/23
A. LYNN MILLER, P.E.
P.E.# 58705



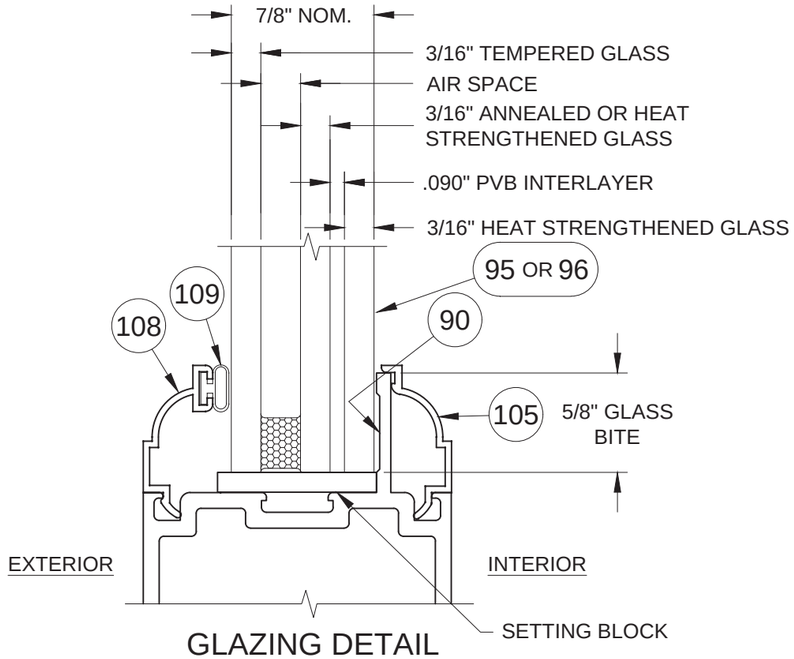

GLAZING DETAIL

7/16" LAMI GLASS W/ PVB INTERLAYER



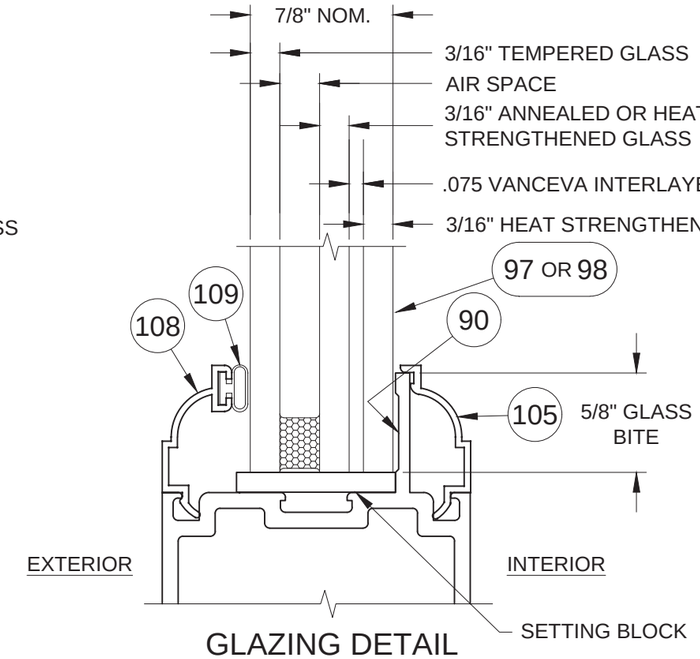

GLAZING DETAIL

7/16" LAMI GLASS W/ VANCEVA INTERLAYER




GLAZING DETAIL

7/8" LAMI I.G. GLASS W/ PVB INTERLAYER




GLAZING DETAIL

7/8" LAMI I.G. GLASS W/ VANCEVA INTERLAYER

"PVB" = .090" TROSIFOL® PVB BY KURARAY AMERICA, INC. OR .090" SAFLEX/KEEPSAFE MAXIMUM PVB BY EASTMAN CHEMICAL CO.; VANCEVA BY EASTMAN CHEMICAL CO.

**PRODUCT REVISED**
**as complying with the Florida Building Code**
**NOA–No.** 23-0724.04
**Expiration Date** 02/24/2025
**By**
**Miami–Dade Product Control**

Revision: D) UPDATED TO 2023 BUILDING CODE.

AM - 07/19/23

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

REGISTRATION #29296

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

| Title | Date | Drawn By | DWG No. | Sheet | Rev. |
|---|---|---|---|---|---|
| ALUM. FRENCH DOOR & SIDE LITES (LM) | 12/23/04 | JENS ROSOWSKI | 8000-11 | 2 OF 12 | I |
| Desc. GLAZING DETAILS | | | | | |
| Series FD750 | | | | | |

ANTHONY LYNN MILLER
LICENSE
No. 58705
STATE OF FLORIDA
PROFESSIONAL ENGINEER
A. Lynn Miller 07/19/23

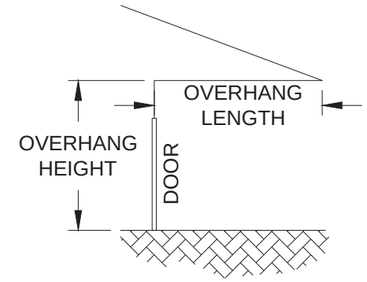
A. LYNN MILLER, P.E.
P.E.# 58705

Table 1. Maximum Design Pressures (psf)

| Configuration | | Width (in) | Allowed Glass Types | Height (in) | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | 79 3/4" ($6^8$) | | 83 3/4" ($7^0$) | | 87 3/4" | | 91 3/4" | | 95 3/4" ($8^0$) | |
| French Door | X | 37" ($3^0$) | A,E | +70.0 | -80.0 | +70.0 | -80.0 | +70.0 | -80.0 | +70.0 | -80.0 | +70.0 | -80.0 |
| | | | C,G | +100.0 | -100.0 | +100.0 | -100.0 | +100.0 | -100.0 | +100.0 | -100.0 | +100.0 | -100.0 |
| | XX | 71 3/4" ($6^0$) | A,E | +70.0 | -80.0 | +70.0 | -80.0 | +70.0 | -80.0 | +70.0 | -80.0 | +70.0 | -80.0 |
| | | | C,G | +100.0 | -100.0 | +100.0 | -100.0 | +100.0 | -100.0 | +100.0 | -100.0 | +100.0 | -100.0 |
| Sidelite | Full Jamb | 36 11/16" | A,E | +70.0 | -80.0 | +70.0 | -80.0 | +70.0 | -80.0 | +70.0 | -80.0 | +70.0 | -80.0 |
| | | | C,G | +100.0 | -100.0 | +100.0 | -100.0 | +100.0 | -100.0 | +100.0 | -100.0 | +100.0 | -100.0 |
| | Narrow Jamb | 30 11/16" | C,G | +100.0 | -100.0 | +100.0 | -100.0 | +100.0 | -100.0 | +100.0 | -100.0 | +100.0 | -100.0 |
| | | 33 11/16" | C,G | +100.0 | -100.0 | +100.0 | -100.0 | +100.0 | -100.0 | +100.0 | -100.0 | +97.4 | -97.4 |
| | | 36 11/16" | A, B, E, F | +70.0 | -80.0 | +70.0 | -80.0 | +70.0 | -80.0 | +70.0 | -80.0 | +70.0 | -80.0 |
| | | | C,G | +100.0 | -100.0 | +99.9 | -99.9 | +95.3 | -95.3 | +91.4 | -91.4 | +87.9 | -87.9 |
| | | | D,H | +100.0 | -100.0 | +100.0 | -100.0 | +100.0 | -100.0 | +100.0 | -100.0 | +100.0 | -100.0 |

Table 1a. Glass Type and Test Report Number

| | |
|---|---|
| A - 7/16" LAMI (3/16"A,.090 PVB, 3/16"HS) | FTL-4311, 4312, 4315 |
| B - 7/16" LAMI (3/16"HS,.090 PVB, 3/16"HS) | UPGRADE FTL-4311, 4312, 4315 |
| C - 7/16" LAMI (3/16"A,.075 VANCEVA, 3/16"HS) | FTL-4527, 4528, 4529, 4530 |
| D - 7/16" LAMI (3/16"HS,.075 VANCEVA, 3/16"HS) | UPGRADE FTL-4527, 4528, 4529, 4530 |
| E - 7/8" LAMI I.G. (3/16"T, 1/4" AIR SPACE, 3/16"A,.090 PVB, 3/16"HS) | FTL-4311, 4312, 4315 |
| F - 7/8" LAMI I.G. (3/16"T, 1/4" AIR SPACE, 3/16"HS,.090 PVB, 3/16"HS) | UPGRADE FTL-4311, 4312, 4315 |
| G - 7/8" LAMI I.G. (3/16"T, 1/4" AIR SPACE, 3/16"A,.075 VANCEVA, 3/16"HS) | FTL-4527, 4528, 4529, 4530 |
| H - 7/8" LAMI I.G. (3/16"T, 1/4" AIR SPACE, 3/16"HS,.075 VANCEVA, 3/16"HS) | UPGRADE FTL-4527, 4528, 4529, 4530 |




NOTES:
1. IF USING THE OPTIONAL LOW-RISE SILL (PART 10, SHEET 8 OF 12), THE OVERHANG LENGTH MUST BE GREATER THAN OR EQUAL TO THE OVERHANG HEIGHT (SEE DIAGRAM). IF NOT, THE MAXIMUM POSITIVE (+) DESIGN PRESSURE IS LIMITED TO +50.0 PSF FOR ALL STYLES AND SIZES OF THE DOOR AND ANY ADJOINING SIDELITES. (REF. FTL-5941)
2. FOR COMBINED UNITS, THE LOWEST DESIGN PRESSURE OF THE SIDELITE AND THE DOOR GOVERNS THE OVERALL ASSEMBLY DESIGN PRESSURE.

**PRODUCT REVISED**
**as complying with the Florida Building Code**
**NOA–No.** 23-0724.04
**Expiration Date** 02/24/2025
**By**
**Miami–Dade Product Control**

Revision: D) UPDATED TO 2023 BUILDING CODE.

AM - 07/19/23

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

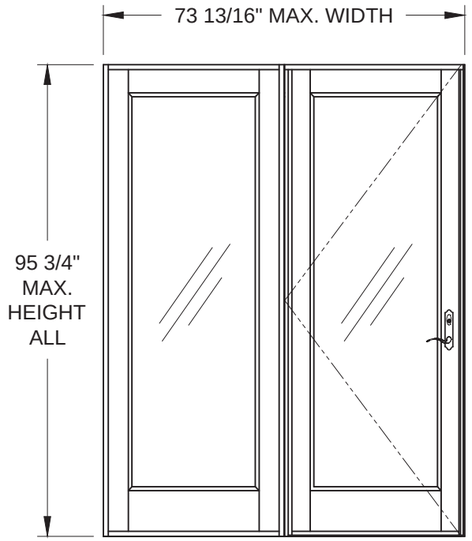
REGISTRATION #29296

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

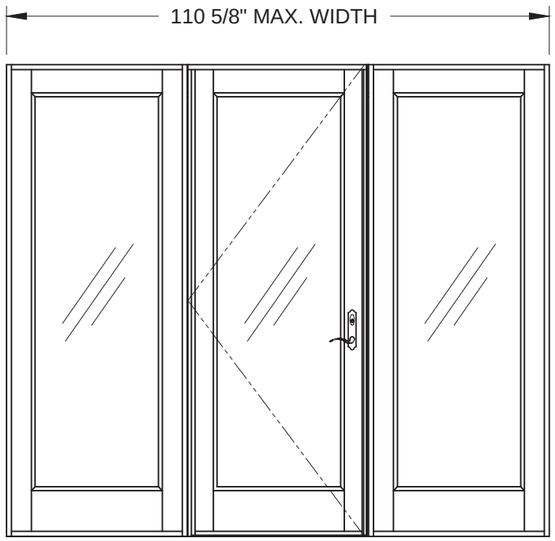
| Title | Desc. | Series | Sheet | DWG No. | Rev. |
|---|---|---|---|---|---|
| ALUM. FRENCH DOOR & SIDE LITES (LM) | DESIGN PRESSURES | FD750 | 3 OF 12 | 8000-11 | I |

Date 12/23/04
Drawn By JENS ROSOWSKI

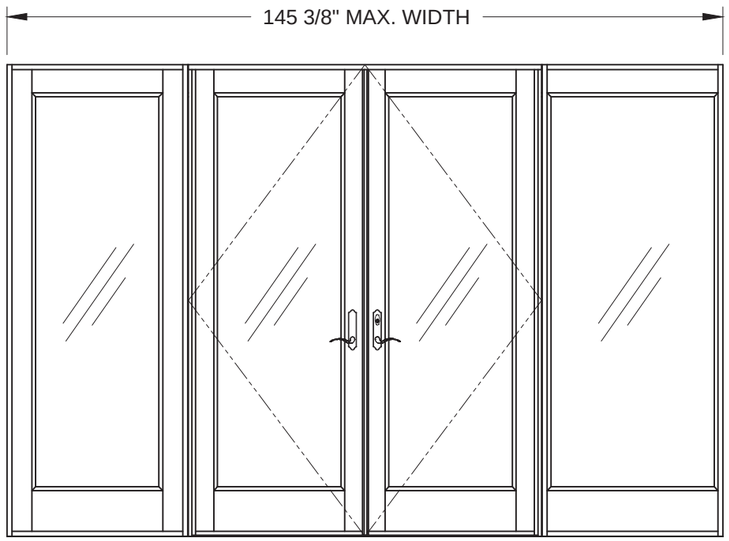
ANTHONY LYNN MILLER
LICENSE
No. 58705
STATE OF FLORIDA
PROFESSIONAL ENGINEER
07/19/23
A. LYNN MILLER, P.E.
P.E.# 58705



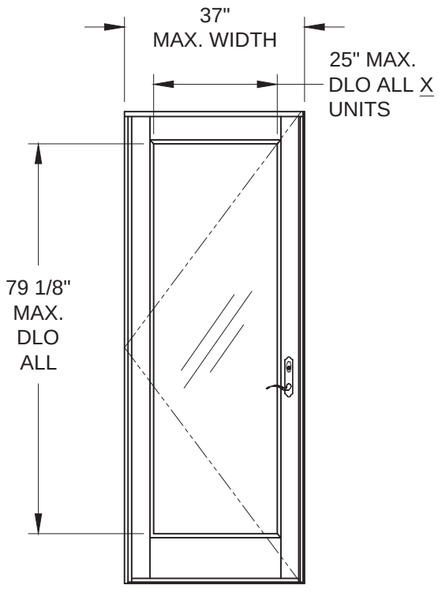

OX OR XO



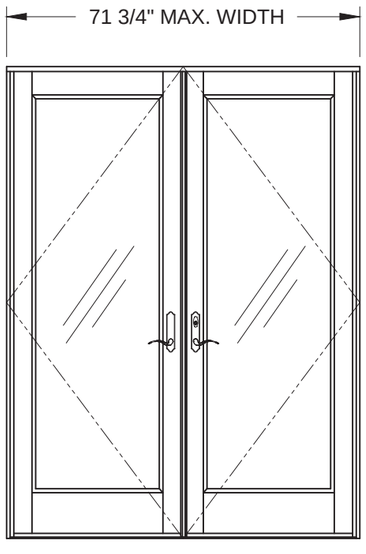

OXO



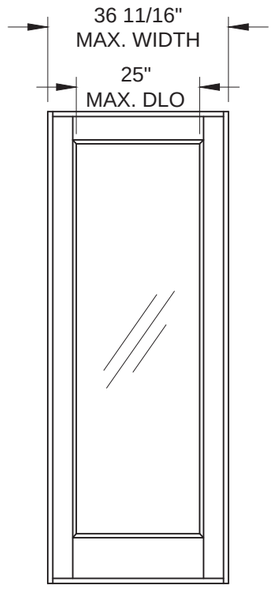

OXXO (SHOWING EACH VERSION SIDELITE)



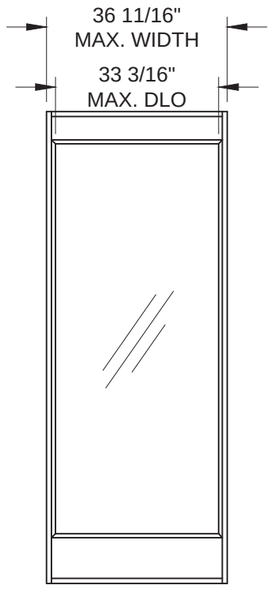

X




XX




O (FULL JAMB)




O (NARROW JAMB)

NOTES:
1. CONFIGURATIONS WITH SIDE LITES CAN BE EITHER NARROW JAMB OR FULL JAMB VERSION.
2. FOR ANCHOR SPACING AND DETAILS SEE SHEETS 10 THROUGH 12.
3. FOR VERTICAL SECTIONS SEE SHEET 5 AND FOR HORIZONTAL SECTIONS SEE SHEET 6.

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**NOA–No.** 23-0724.04
**Expiration Date** 02/24/2025
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Revision:
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AM - 07/19/23

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1070 TECHNOLOGY DRIVE
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REGISTRATION #29296

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

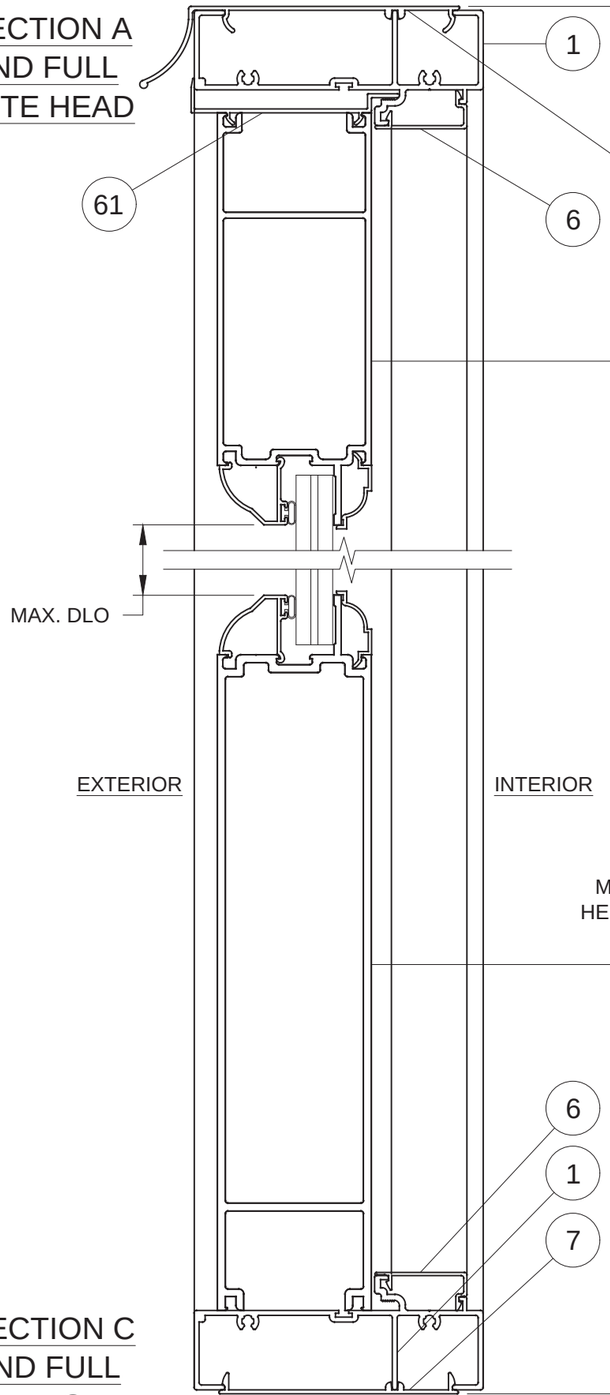
| Series | Desc. / Title | Sheet | DWG No. | Rev. |
|---|---|---|---|---|
| FD750 | ELEVATIONS<br>ALUM. FRENCH DOOR & SIDE LITES (LM) | 4 OF 12 | 8000-11 | I |

Drawn By: JENS ROSOWSKI
Date: 12/23/04

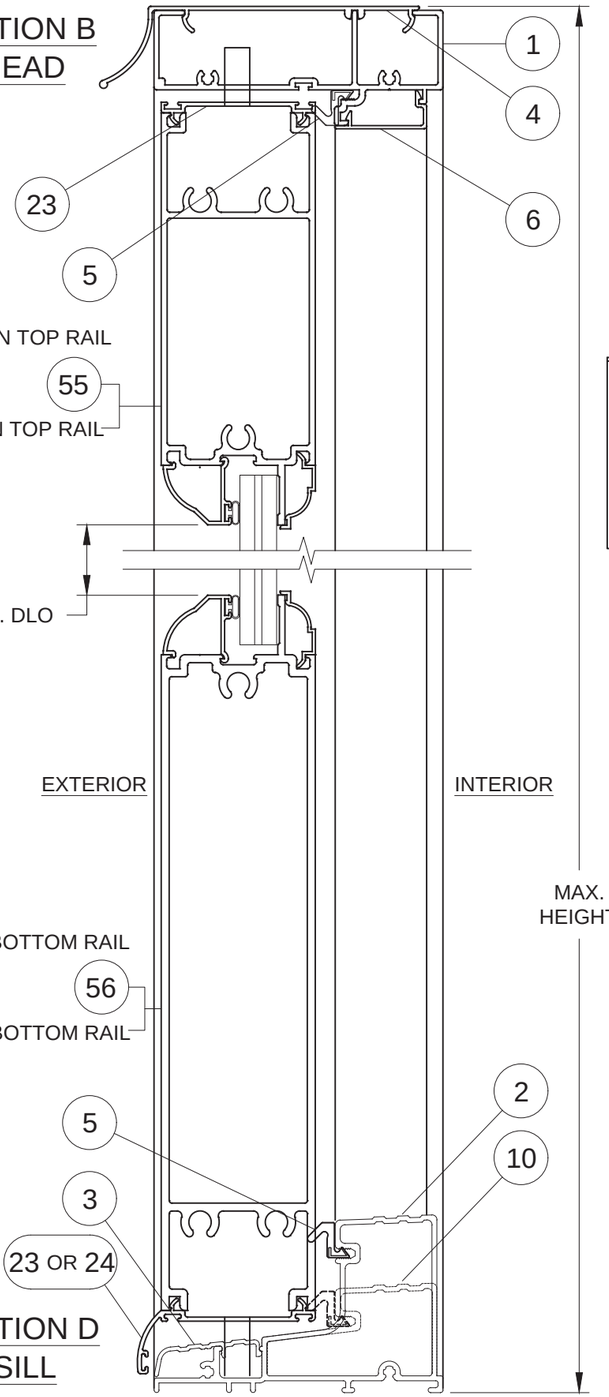
ANTHONY LYNN MILLER
LICENSE
No. 58705
A. Lynn Miller
07/19/23
STATE OF FLORIDA
PROFESSIONAL ENGINEER

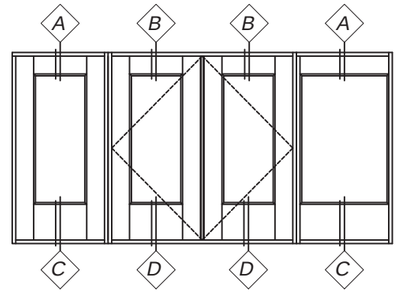
A. LYNN MILLER, P.E.
P.E.# 58705

## VERTICAL SECTION A
## NARROW AND FULL JAMB SIDE LITE HEAD




## VERTICAL SECTION B
## OUTSWING HEAD




## VERTICAL SECTION C
## NARROW AND FULL JAMB SIDE LITE SILL

## VERTICAL SECTION D
## OUTSWING SILL

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N. VENICE, FL 34275
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| Title | Date | Drawn By | DWG No. | Rev. |
|---|---|---|---|---|
| ALUM. FRENCH DOOR & SIDE LITES (LM) | 12/23/04 | JENS ROSOWSKI | 8000-11 | I |
| Desc. VERTICAL SECTION | | | Sheet 5 OF 12 | |
| Series FD750 | | | | |

ANTHONY LYNN MILLER
LICENSE
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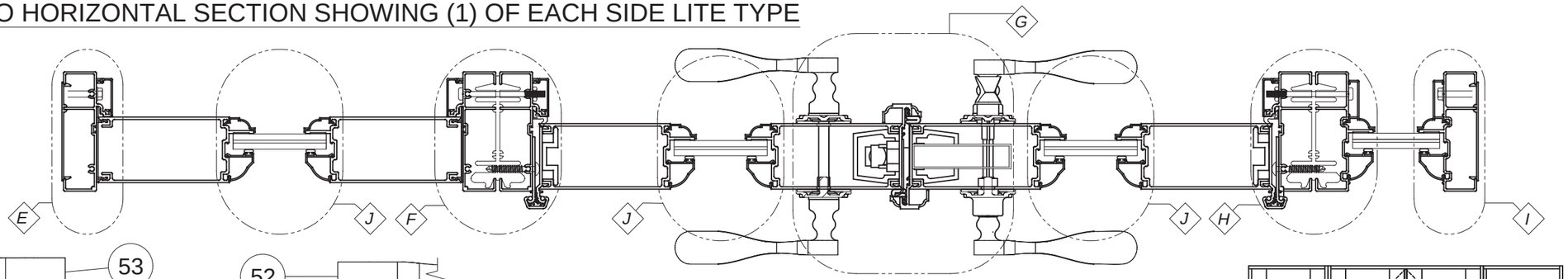
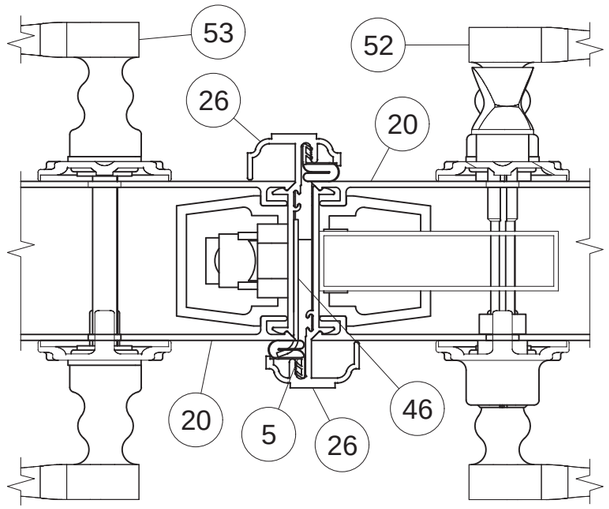
07/19/23

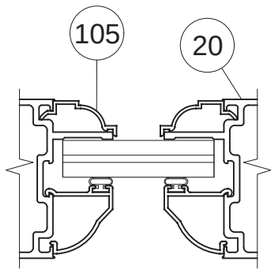
A. LYNN MILLER, P.E.
P.E.# 58705

# OXXO HORIZONTAL SECTION SHOWING (1) OF EACH SIDE LITE TYPE

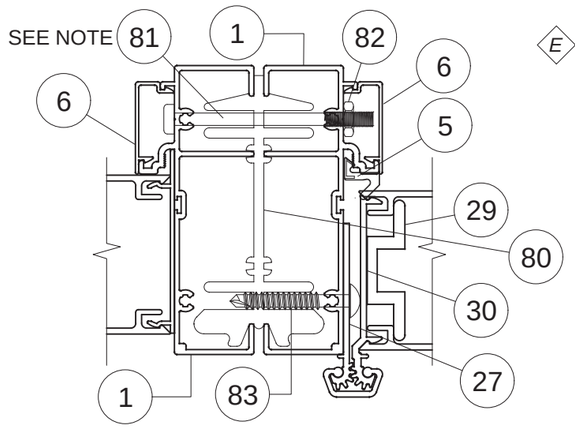


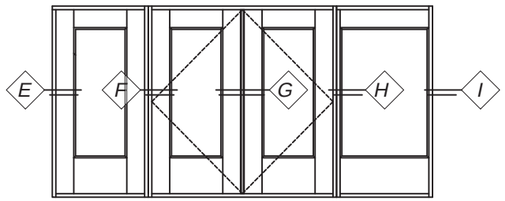

DETAIL G STILES AT ASTRAGAL



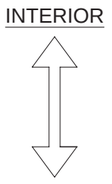

DETAIL J
SLAB AT
GLASS BED

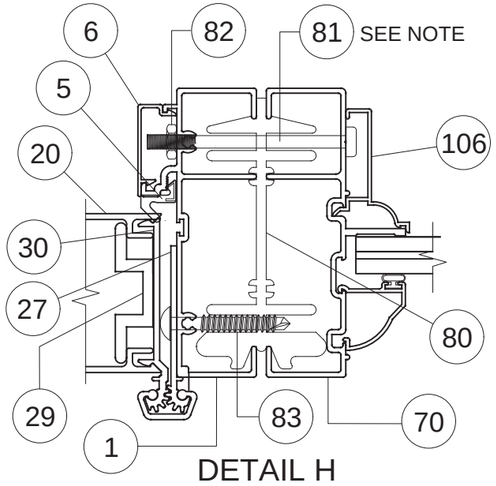



DETAIL F
FULL JAMB SIDE LITE
(AT HINGE JAMB)

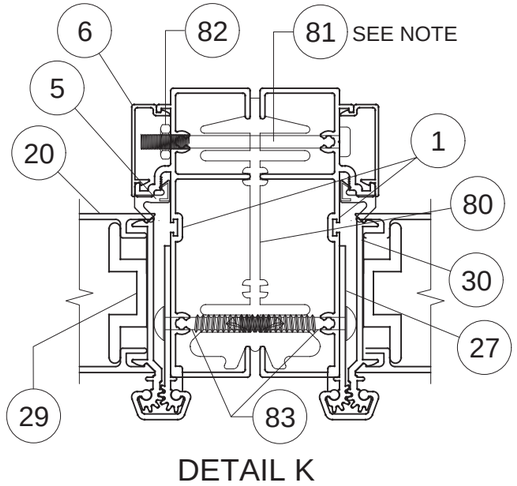



NOTE: ASSEMBLY HARDWARE QTY (3), 11"
FROM TOP & BOTTOM AND ONE AT MIDSPAN

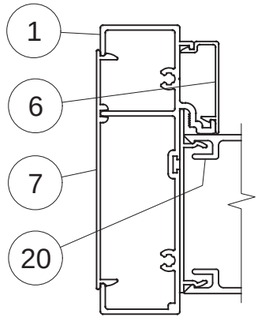


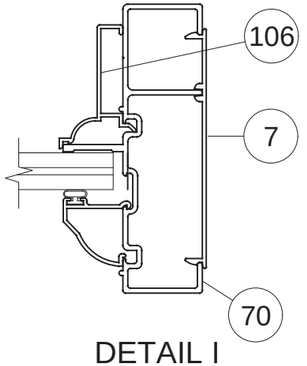

DETAIL H
NARROW JAMB SIDE LITE
(AT HINGE JAMB)




DETAIL K
HINGE JAMB TO HINGE JAMB
(NOT SHOWN ABOVE)




DETAIL E
JAMB, FULL JAMB
SIDE LITE




DETAIL I
JAMB, NARROW
JAMB SIDE LITE

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REGISTRATION #29296

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

| Title | Desc. | Series |
|---|---|---|
| ALUM. FRENCH DOOR & SIDE LITES (LM) | HORIZONTAL SECTIONS | FD750 |

| Date | Drawn By | DWG No. | Sheet | Rev. |
|---|---|---|---|---|
| 12/23/04 | JENS ROSOWSKI | 8000-11 | 6 OF 12 | I |

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

## FD750 DOOR(S)

| ITEM | DWG# | DESCRIPTION | PGT# |
|---|---|---|---|
| | | **FRAME KIT PARTS** | |
| 1 | 8006 | FRAME - HEAD & HINGE JAMB | 68006 |
| 2 | 8003C | OUT-SWING SILL | 68003A |
| 3 | 8004C | OUT-SWING SILL COVER | 68004C |
| 4 | 8008 | DRIP CAP | 68008 |
| 5 | ---------- | HEAD, SILL & JAMB WEATHERSTRIP (SCHLEGAL) | U83337T8500 |
| 6 | 8007 | SCREW COVER | 68007 |
| 7 | 8009 | INSTALL PLATE | 68009 |
| 8 | ---------- | FRAME ASSEMBLY SCREW #8 X 1" PH QUAD | 781PQA |
| 9 | 8032 | ASTRAGAL END SEAL | 48032 |
| 10 | 8058A | OUT-SWING SILL (LOW RISE) | 48058 |
| | | **DOOR PANEL** | |
| 5 | ---------- | HEAD, SILL & JAMB WEATHERSTRIP (SCHLEGAL) | U83337T8500 |
| 20 | 8012 | STILE | 68012 |
| 21 | 8014 | TOP RAIL, (THREADED ROD DESIGN) | 68014 |
| 22 | 8013 | BOTTOM RAIL, (THREADED ROD DESIGN) | 68013 |
| 23 | 8017 | TOP SWEEP | 68017 |
| 24 | 8016 | BOTTOM SWEEP | 68016 |
| 25 | ---------- | SWEEP SCREWS, #4 X 1/2" PHIL PH | |
| 26 | 8015 | ASTRAGAL, ACTIVE & INACTIVE | 68015 |
| 27 | 8021B | GEAR HINGE, JAMB SIDE | 68021B |
| 28 | 8020A | GEAR HINGE, COVER | 68020A |
| 29 | 8018 | GEAR HINGE, BACK-UP PLATE | 68018 |
| 30 | 8019A | GEAR HINGE, DOOR SIDE | 68019A |
| 31 | 8035 | GEAR HINGE, BEARING | 68035 |
| 32 | ---------- | GEAR HINGE, SET-SCREW #6-32 x 1/4" | |
| 33 | ---------- | GEAR HINGE, MTG. SCREW #12 x 3/4" TRUSS HD. | |
| 34 | ---------- | GEAR HINGE, MTG. SCREW #12 x 1 1/2" TRUSS HD. | |
| 35 | ---------- | THREADED ROD 5/16-18 X 36" | 6TRODA |
| 36 | ---------- | FLANGED HEX NUT 5/16-18 | 7990NUTA |
| 37 | 8039 | TRUSS CLAMP | 60378M |
| 38 | 8043 | S/S GEAR LATCH MECHANISM (ASHLAND) | |
| 39 | 8030 | LOCK BLOCK | 48030 |
| 40 | ---------- | LATCH ASS'Y SCREWS #8 X 2" SS PHILL TR HD | 78X2TPAX |
| 41 | 8037 | S/S SHOOT BOLT ROD (SULLIVAN) | |
| 42 | 8045 | STANDARD FLUSH BOLTS W/ SS ROD (SULLIVAN) | |
| 43 | 8031 | SHOOT BOLT GUIDE | 48031 |
| 44 | ---------- | SHOOT BOLT GUIDE & STRIKE SCREW 8-32 X 3/8" SS PHILL TR HD | 78X38PFTX |
| 45 | 8038R | RIGHT- STRIKE PLATE AT ASTRAGAL (ACTIVE HINGED LEFT) | W5110-43S1 |
| 46 | 8038L | LEFT - STRIKE PLATE AT ASTRAGAL (ACTIVE HINGED RIGHT) | W5110-44S1 |
| 47 | ---------- | STRIKE PLATE SCREWS 8-32 X 3/8" SS PHILL TR HD | 78X38PFTX |
| 48 | ---------- | STRIKE PLATE MIDDLE SCREW 6-24 X 1/2" FH | 7612FPTX |
| 49 | 8036 | STRIKE PLATE AT HEAD & SILL | |
| 50 | ---------- | HEAD STRIKE SCREWS SS 8 X 1/2 PHILL FH | 7858ZAX |
| 51 | ---------- | STRIKE PLATE SCREWS @SILL SS 8 X 1/2 PHILL UNDERCUT FH | 78X12PFHUX |
| 52 | 8041 | ACTIVE TRIM SET (ASHLAND) | |
| 53 | 8042 | PASSIVE TRIM SET (ASHLAND) | |
| 54 | 8044 | STAINLESS STEEL PASSIVE LOCK GEAR (ASHLAND) | |
| 55 | 8014A | TOP RAIL (LAG BOLT DESIGN) | 68014A |
| 56 | 8013A | BOTTOM RAIL (LAG BOLT DESIGN) | 68013A |
| 57 | ---------- | 5/16" x 2 1/2" LAG BOLTS | 7516LBOLTX |

## FD750 FULL JAMB SIDE LITE

| ITEM | DWG # | DESCRIPTION | PGT# |
|---|---|---|---|
| 1 | 8006 | FRAME - HEAD, SILL & JAMB | 68006 |
| 4 | 8008 | DRIP CAP | 68008 |
| 6 | 8007 | SCREW COVER | 68007 |
| 7 | 8009 | INSTALL PLATE | 68009 |
| 8 | ---------- | FRAME ASSEMBLY SCREW #8 X 1" PH QUAD | 781PQA |
| 20 | 8012 | STILE | 68012 |
| 21 | 8014 | TOP RAIL | 68014 |
| 22 | 8013 | BOTTOM RAIL | 68013 |
| 35 | ---------- | THREADED ROD 5/16-18 X 36" | 6TRODA |
| 36 | ---------- | FLANGED HEX NUT 5/16-18 | 7990NUTA |
| 37 | 8039 | TRUSS CLAMP | 60378M |
| 60 | ---------- | #8 X 3/4" PH SQ DRIVE TEK SCREW | 78X34PSTW |
| 61 | 8028 | SIDE LITE HEAD TRIM | 68028 |
| 62 | 8029 | SIDE LITE JAMB TRIM | 68029 |

## FD750 NARROW JAMB SIDE LITE

| | | | |
|---|---|---|---|
| 1 | 8006 | FRAME - HEAD & SILL | 68006 |
| 4 | 8008 | DRIP CAP | 68008 |
| 6 | 8007 | SCREW COVER | 68007 |
| 7 | 8009 | INSTALL PLATE | 68009 |
| 8 | ---------- | FRAME ASSEMBLY SCREW #8 X 1" PH QUAD | 781PQA |
| 21 | 8014 | TOP RAIL | 68014 |
| 22 | 8013 | BOTTOM RAIL | 68013 |
| 35 | ---------- | THREADED ROD 5/16-18 X 36" | 6TRODA |
| 36 | ---------- | FLANGED HEX NUT 5/16-18 | 7990NUTA |
| 37 | 8039 | TRUSS CLAMP | 60378M |
| 60 | ---------- | #8 X 3/4" PH SQ DRIVE TEK SCREW | 78X34PSTW |
| 61 | 8028 | SIDE LITE HEAD TRIM | 68028 |
| 70 | 8010 | FRAME, JAMB | 68010 |

## ASSEMBLY KIT

| | | | |
|---|---|---|---|
| 80 | 8033B | FRENCH DOOR ASSEMBLY BEAM | 68033B |
| 81 | ---------- | #10-24 X 2 1/2" PH SCREW | |
| 82 | ---------- | #10-24 HEX NUT | |
| 83 | ---------- | #12 X 1 1/2" TR HD TEK SCREW | |
| 84 | 8056 | SUBSILL (OPTIONAL) | 68056 |

## GLASS, BEADS & SILICONE

| | | | |
|---|---|---|---|
| 90 | ---------- | GLAZING SEALANT, DOW CORNING 791, 899, 983 OR 995 | |
| 91 | ---------- | 7/16" LAMINATED GLASS (3/16" ANN.,.090 PVB, 3/16" HS) | |
| 92 | ---------- | 7/16" LAMINATED GLASS (3/16" HS.,.090 PVB, 3/16" HS) | |
| 93 | ---------- | 7/16" LAMINATED GLASS (3/16" ANN.,.075 VANCEVA, 3/16" HS) | |
| 94 | ---------- | 7/16" LAMINATED GLASS (3/16" HS.,.075 VANCEVA, 3/16" HS) | |
| 95 | ---------- | 7/8" LAMI I.G. (3/16" T, 1/4" SPACE, 3/16" ANN.,.090 PVB, 3/16" HS) | |
| 96 | ---------- | 7/8" LAMI I.G. (3/16" T, 1/4" SPACE, 3/16" HS.,.090 PVB, 3/16" HS) | |
| 97 | ---------- | 7/8" LAMI I.G. (3/16" T, 1/4" SPACE, 3/16" ANN.,.075 VANCEVA, 3/16" HS) | |
| 98 | ---------- | 7/8" LAMI I.G. (3/16" T, 1/4" SPACE, 3/16" HS.,.075 VANCEVA, 3/16" HS) | |
| 105 | 8022 | BACK BEAD | 68022 |
| 106 | 8026A | SL BACKBEAD | 68026A |
| 107 | 8023A | 7/16" BEAD | 68023A |
| 108 | 8024A | 7/8" IG BEAD | 68024A |
| 109 | 1224 | VINYL BULB W STP (THICK) | 6TP247 |

**PRODUCT REVISED**
**as complying with the Florida Building Code**
**NOA–No.** 23-0724.04
**Expiration Date** 02/24/2025
**By**
**Miami–Dade Product Control**

Revision:
D) UPDATED TO 2023 BUILDING CODE.

AM - 07/19/23

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

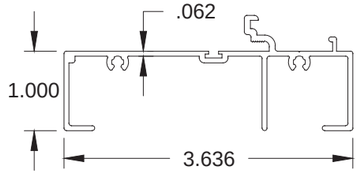
REGISTRATION #29296

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

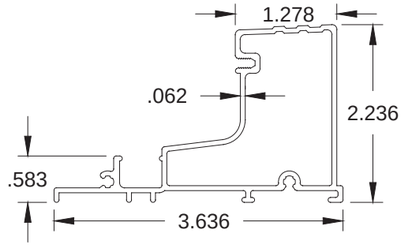
| | |
|---|---|
| Title | ALUM. FRENCH DOOR & SIDE LITES (LM) |
| Desc. | PARTS LIST |
| Series | FD750 |
| Sheet | 7 OF 12 |
| DWG No. | 8000-11 |
| Rev. | I |
| Date | 12/23/04 |
| Drawn By | JENS ROSOWSKI |

ANTHONY LYNN MILLER
LICENSE
No. 58705
A. Lynn Miller
07/19/23
STATE OF FLORIDA
PROFESSIONAL ENGINEER

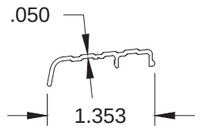
A. LYNN MILLER, P.E.
P.E.# 58705




1 #8006 6063-T6
FRAME, HEAD, JAMB
AND SIDELITE SILL

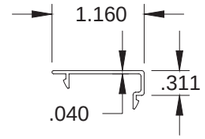



2 #8003C 6063-T6
OUT-SWING SILL

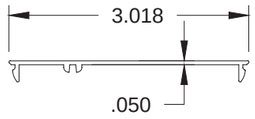



3 #8004C 6063-T5
OS SILL COVER

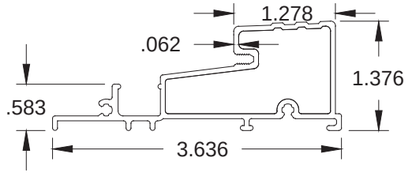

4 #8008 6063-T6
DRIP CAP



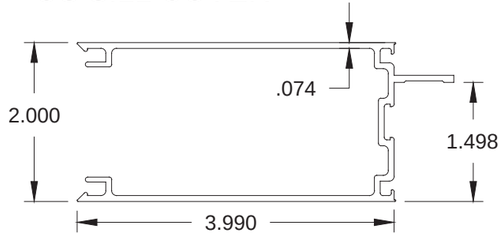

6 #8007 6063-T6
SCREW COVER



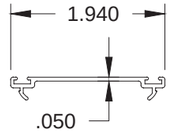

7 #8009 6063-T6
INSTALL PLATE



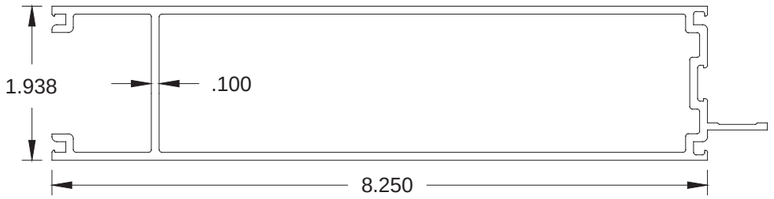

10 #8058A 6063-T6
OUT-SWING LOW SILL



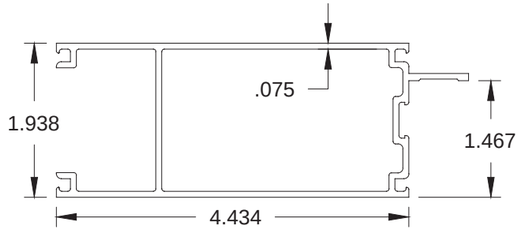

20 #8012 6063-T6
STILE



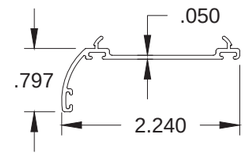

23 #8017 6063-T5
TOP SWEEP



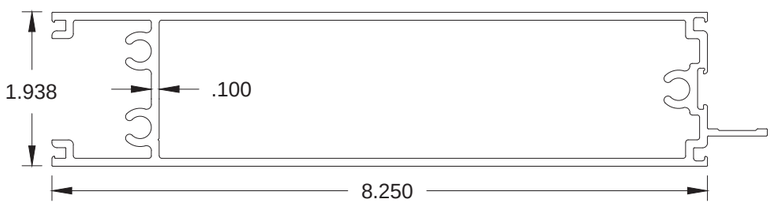

22 #8013 6063-T6
BOTTOM RAIL



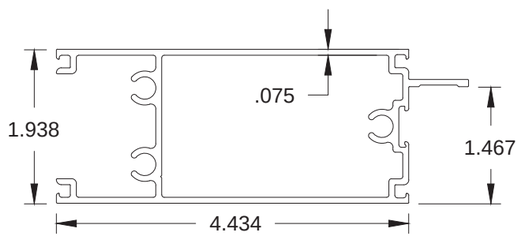

21 #8014 6063-T5
TOP RAIL



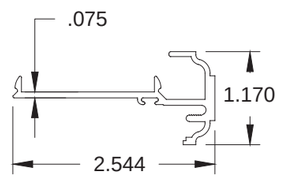

24 #8016 6063-T5
BOTTOM SWEEP




56 #8013A 6063-T6
BOTTOM RAIL, LAG BOLT DESIGN




55 #8014A 6063-T5
TOP RAIL, LAG BOLT DESIGN




26 #8015 6063-T6
ASTRAGAL

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REGISTRATION #29296

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| Title | Desc. | Series |
|---|---|---|
| ALUM. FRENCH DOOR & SIDE LITES (LM) | EXTRUSION PROFILES | FD750 |

| Date | Drawn By | DWG No. | Sheet | Rev. |
|---|---|---|---|---|
| 12/23/04 | JENS ROSOWSKI | 8000-11 | 8 OF 12 | I |

ANTHONY LYNN MILLER
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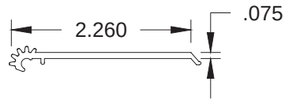
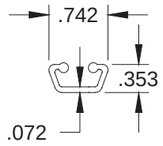
STATE OF FLORIDA
PROFESSIONAL ENGINEER
07/19/23

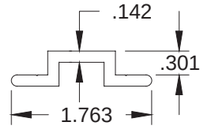
A. LYNN MILLER, P.E.
P.E.# 58705



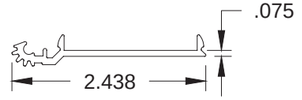

27 #8021B 6063-T6
GEAR HINGE, JAMB



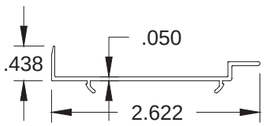

28 #8020A 6063-T6
GEAR HINGE, COVER



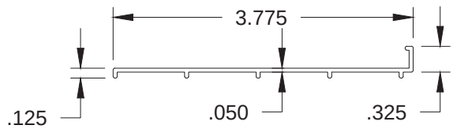

29 #8018 6063-T5
HINGE, BACK-UP



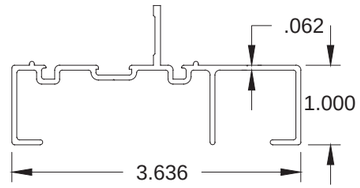

30 #8019A 6063-T6
GEAR HINGE, DOOR



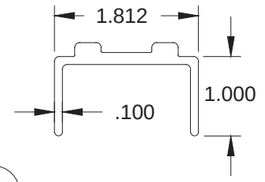

61 #8028 6063-T5
SL HEAD TRIM



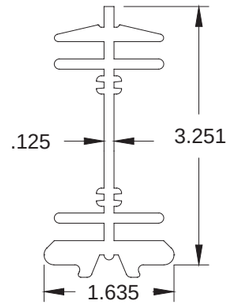

84 #8056 6063-T4
SUBSILL, OPTIONAL



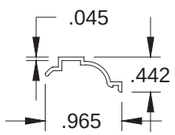

70 #8010 6063-T6
NARROW SL JAMB



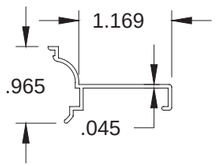

37 #8039 6063-T6
TRUSS CLAMP



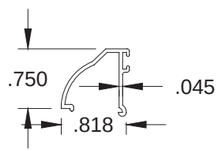

80 #8033B 6105-T5
FD ASS'Y BEAM



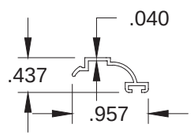

105 #8022 6063-T5
BACKBEAD



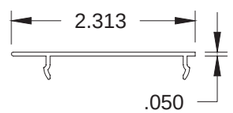

106 #8026A 6063-T5
SL BACKBEAD



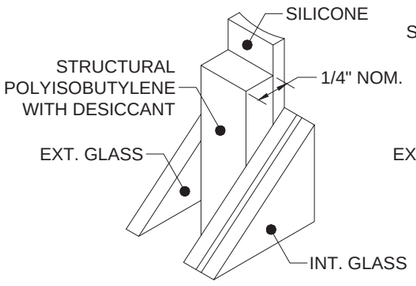

107 #8023A 6063-T5
7/16" BEAD



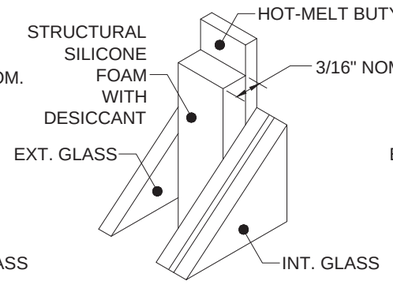

108 #8024A 6063-T5
I.G. BEAD



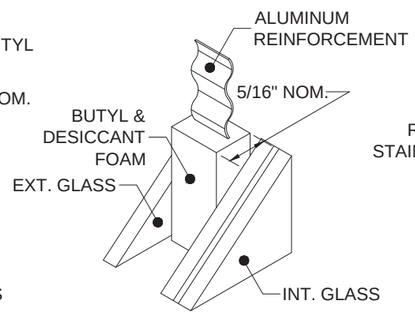

62 #8029 6063-T5
SL JAMB TRIM



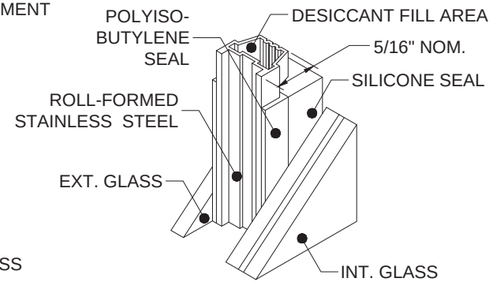

100 KODISPACE
4SG TPS




101 SUPER
SPACER® NXT™




102 DURASEAL®
SPACER




103 XL EDGE™
SPACER

| Part # | Description | Material |
|---|---|---|
| 100 | Kommerling 4SG TPS Spacer System | See this Sheet for Materials |
| 101 | Quanex Super Spacer nXT with Hot Melt Butyl | |
| 102 | Quanex Duraseal Spacer | |
| 103 | Cardinal XL Edge Spacer | |

REFERENCE TEST REPORTS: FTL-8717, 8968 & 8970

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| Title | Date | Drawn By | Rev. |
|---|---|---|---|
| ALUM. FRENCH DOOR & SIDE LITES (LM) | 12/23/04 | JENS ROSOWSKI | 1 |

| Series | Desc. | Sheet | DWG No. |
|---|---|---|---|
| 8000-11 | EXTRUSION PROFILES | 9 OF 12 | FD750 |

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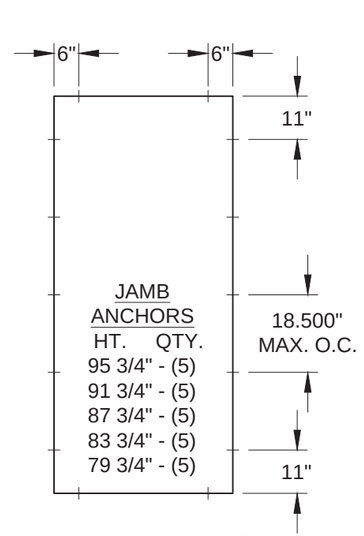
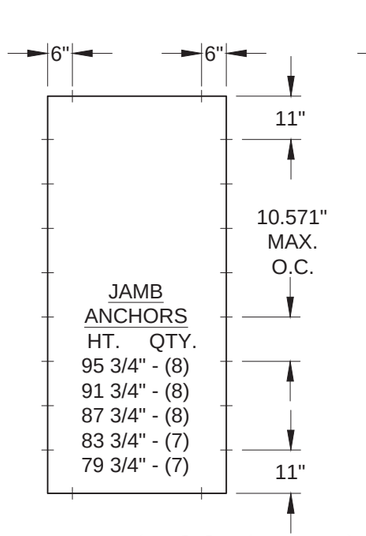


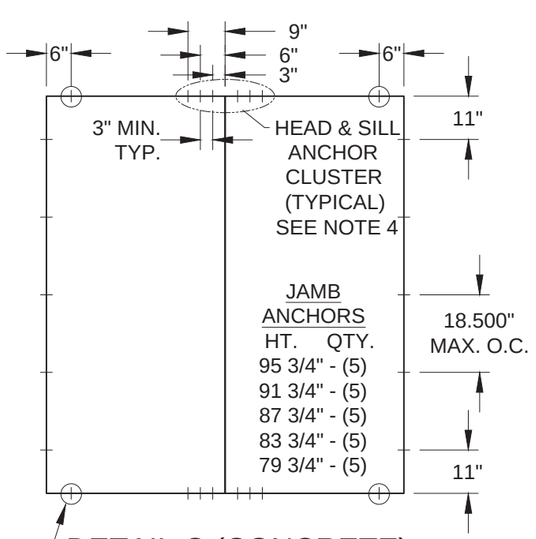

DETAIL A (CONCRETE)

(SINGLE PANEL)
ANCHOR TYPES:
B OR C




DETAIL B (WOOD/ALUM.)

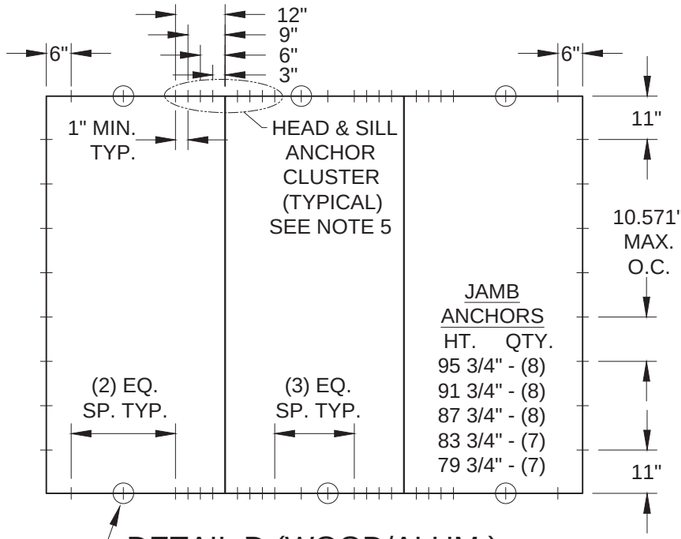
(SINGLE PANEL)
ANCHOR TYPES:
C OR A




DETAIL C (CONCRETE)

(2 OR MORE PANELS)
ANCHOR TYPES:
B OR C

SEE NOTE 4 REGARDING APPLICABLITY OF CIRCLED ANCHOR LOCATIONS




SEE NOTE 5 REGARDING APPLICABLITY OF CIRCLED ANCHOR LOCATIONS

DETAIL D (WOOD/ALUM.)

(2 OR MORE PANELS)
ANCHOR TYPES:
C OR A

## ANCHORAGE SPACING REQUIREMENTS:

1. DETAILS A AND B ABOVE REPRESENT ANCHORING OF SINGLE X DOORS, OR INDIVIDUAL SIDE LITE O PANELS WITH FULL OR NARROW WIDTH JAMBS. DETAILS C AND D ABOVE REPRESENT ANCHORING OF ANY MIXTURE OF DOUBLE XX DOORS, SINGLE X DOORS, NARROW JAMB OR FULL JAMB SIDE LITE PANELS, FOR MULTIPLE-PANEL INSTALLATIONS OF TWO OR MORE PANELS. UNLESS OTHERWISE STATED, DIMENSIONS OF DETAILS A THROUGH D ARE MAXIMUMS.

2. ANCHOR TYPES: ANCHOR TYPES: SEE TABLE A, SHEET 1 FOR ANCHOR TYPES, SUBSTRATES AND LIMITATIONS.

3. SINGLE PANEL CONFIGURATIONS: (DETAIL A, CONCRETE SUBSTRATE. DETAIL B, WOOD/ALUM. SUBSTRATE)

   HEAD AND SILL.....6" MAX. FROM FRAME CORNERS.
   JAMBS.....11" MAX. FROM FRAME CORNERS, 18.500" MAX. O.C. CONCRETE SUBSTRATE (DETAIL A) AND 10.571" MAX. O.C. WOOD SUBSTRATE (DETAIL B).

4. TWO OR MORE PANEL CONFIGURATIONS: (DETAIL C, CONCRETE SUBSTRATE)
   HEAD AND SILL: 6" MAX. FROM FRAME CORNERS IF PANEL WIDTH IS 15" OR GREATER AND
   AT 3", 6" AND 9" MAX. ON EACH SIDE OF ASSEMBLY BEAM AND/OR ASTRAGAL LOCATIONS (CLUSTER OF 6).

   JAMBS: 11" MAX. FROM FRAME CORNERS AND 18.500" MAX. O.C

5. TWO OR MORE PANEL CONFIGURATIONS: (DETAIL D, WOOD/ALUM. SUBSTRATE)
   HEAD AND SILL: 6" MAX. FROM FRAME CORNERS AND
   AT 3", 6", 9" AND 12" MAX. ON EACH SIDE OF ASSEMBLY BEAM AND/OR ASTRAGAL LOCATIONS (CLUSTER OF 8).
   CIRCLED ANCHOR OUTSIDE CLUSTER REQUIRED IF PANEL WIDTH IS OVER 27-3/4".

   JAMBS: 11" MAX. FROM FRAME CORNERS AND 10.571" MAX. O.C

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| Series | Desc.: Title | Sheet | DWG No. | Drawn By | Date | Rev. |
|---|---|---|---|---|---|---|
| FD750 | ALUM. FRENCH DOOR & SIDE LITES (LM) ANCHORAGE SPACING | 10 OF 12 | 8000-11 | JENS ROSOWSKI | 12/23/04 | 1 |

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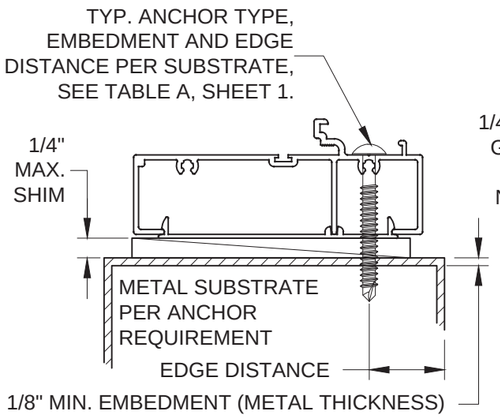
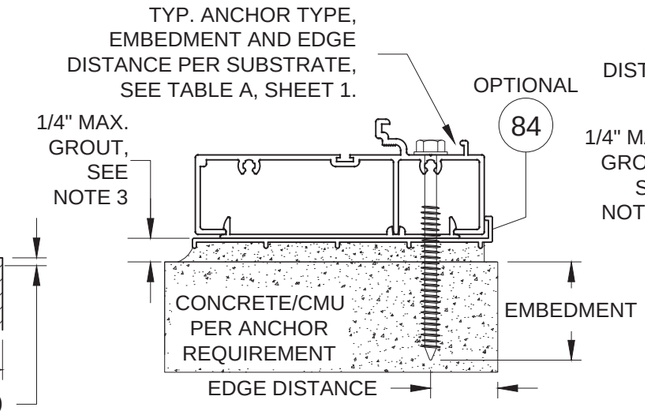
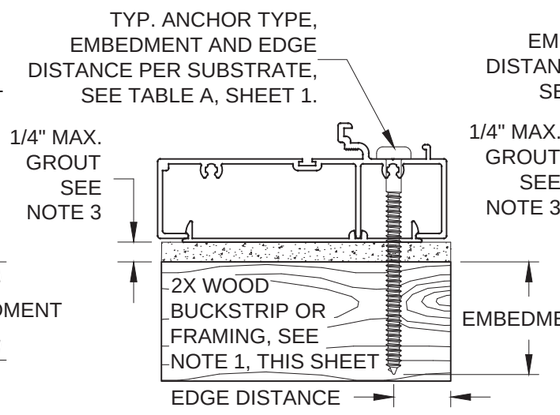


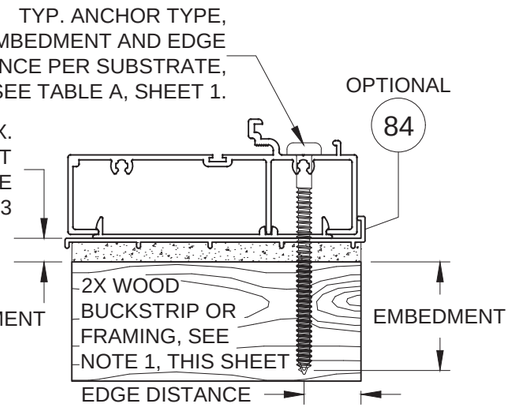

TYPICAL SIDE LITE SILL
(DIRECT TO METAL)




TYPICAL SIDE LITE SILL
(DIRECT TO CONCRETE)

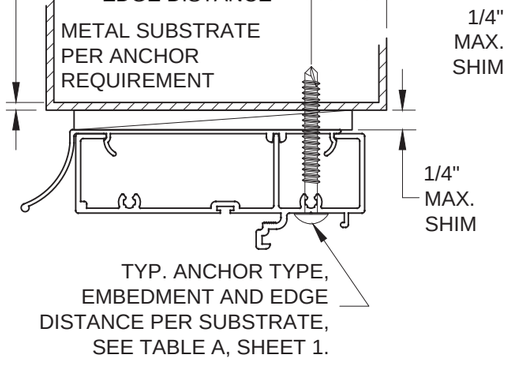



TYPICAL SIDE LITE SILL
(DIRECT TO WOOD)

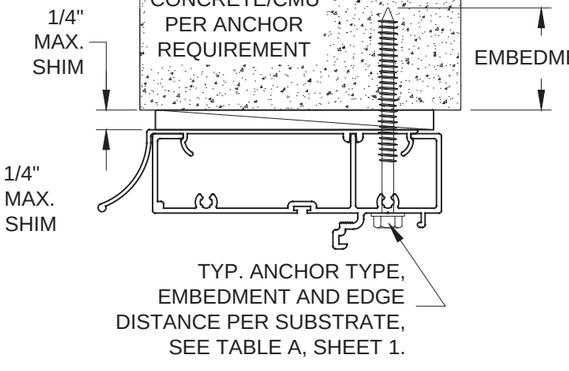



TYPICAL SIDE LITE SILL
(DIRECT TO WOOD)

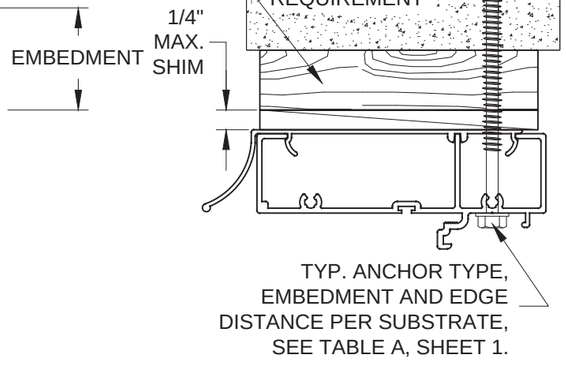
EXTERIOR INTERIOR
(ALL HEAD & SILL SECTIONS)



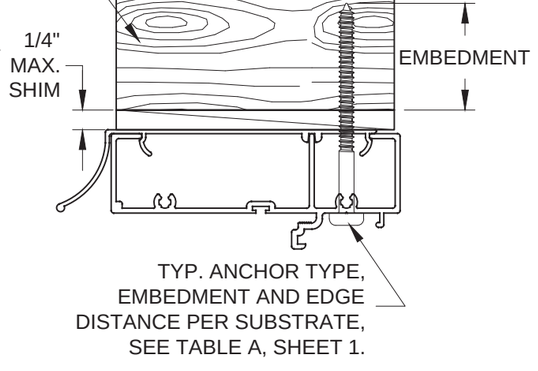

TYPICAL DOOR & SIDE LITE HEAD
(DIRECT TO METAL)




TYPICAL DOOR & SIDE LITE HEAD
(DIRECT TO CONCRETE)




TYPICAL DOOR & SIDE LITE HEAD
(THRU 1X INTO CONCRETE)




TYPICAL DOOR & SIDE LITE HEAD
(DIRECT TO WOOD)

NOTES:

1. WOOD BUCKS DEPICTED AS 1x ARE LESS THAN 1-1/2" THICK. 1x WOOD BUCKS ARE OPTIONAL IF UNIT IS INSTALLED DIRECTLY TO SOLID CONCRETE. 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 (AHJ).
2. FOR ATTACHMENT TO ALUM: THE MAT'L SHALL BE A MIN. STRENGTH OF 6063-T5 AND A MIN. OF 1/8" THICK. THE ALUM. STRUCTURAL MEMBER SHALL BE OF A SIZE TO PROVIDE FULL SUPPORT TO THE DOOR FRAME SIMILAR TO THAT SHOWN IN THE DETAILS ON THIS SHEET FOR 2x WOOD BUCKS. THE ANCHOR SHALL BE A #12 SMS WITH FULL ENGAGEMENT INTO THE ALUM. IF THESE CRITERIA ARE MET, THE PRESSURES SHOWN ON SHEET 2 AND ANCHORAGE SPACING FOR WOOD SHOWN ON SHEET 10 MAY BE USED.
3. IF SILL IS TIGHT TO SUBSTRATE, GROUT OR OTHER MATERIAL IS NOT REQUIRED. IF USED, NON-SHRINK, NON-METALLIC GROUT, 3400 PSI MIN., (DONE BY OTHERS) MUST FULLY SUPPORT THE ENTIRE LENGTH OF THE SILL THAT IS NOT TIGHT TO THE SUBSTRATE, AND TRANSFER SHEAR LOAD TO SUBSTRATE.

**PRODUCT REVISED**
**as complying with the Florida Building Code**
**NOA–No.** 23-0724.04
**Expiration Date** 02/24/2025
**By**
**Miami–Dade Product Control**

Revision:
D) UPDATED TO 2023 BUILDING CODE.

AM - 07/19/23

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

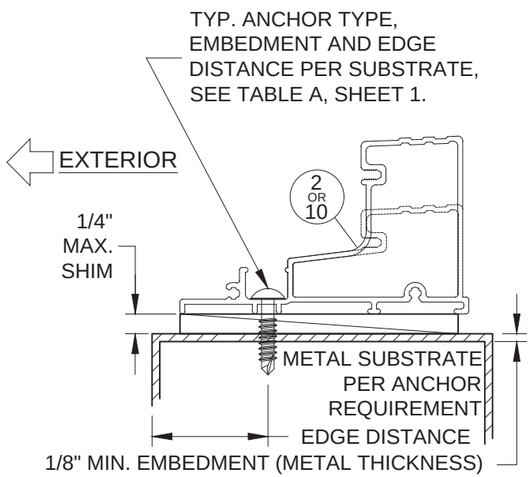
REGISTRATION #29296

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

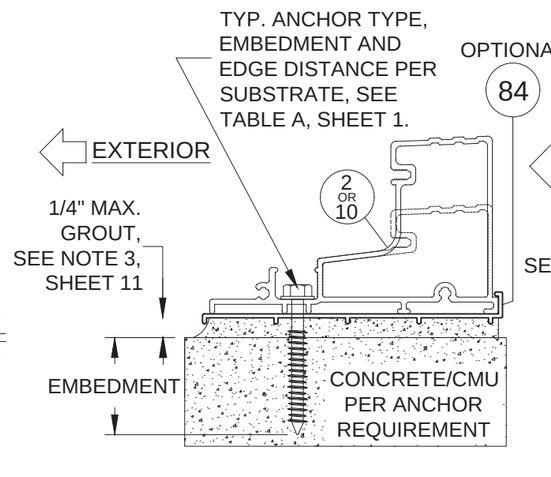
| Series | Desc. | Title |
|---|---|---|
| FD750 | ANCHORAGE DETAILS | ALUM. FRENCH DOOR & SIDE LITES (LM) |

| Sheet | DWG No. | Drawn By | Date | Rev. |
|---|---|---|---|---|
| 11 OF 12 | 8000-11 | JENS ROSOWSKI | 12/23/04 | I |

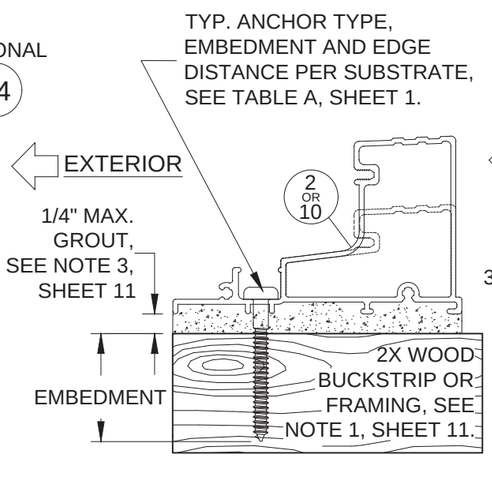
ANTHONY LYNN MILLER
LICENSE
No. 58705
STATE OF FLORIDA
PROFESSIONAL ENGINEER
07/19/23
A. LYNN MILLER, P.E.
P.E.# 58705




TYPICAL DOOR SILL
(DIRECT TO METAL)




TYPICAL DOOR SILL
(DIRECT TO CONCRETE)

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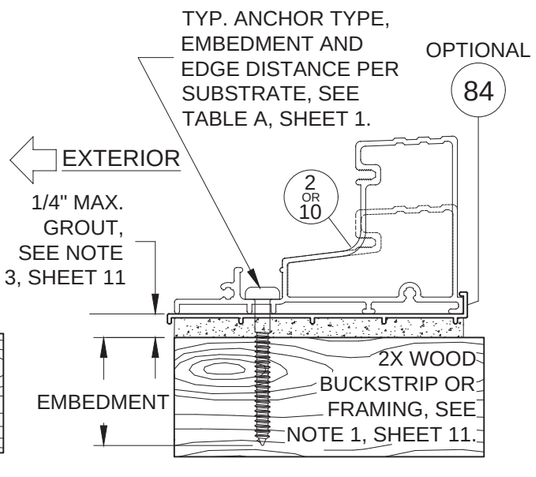
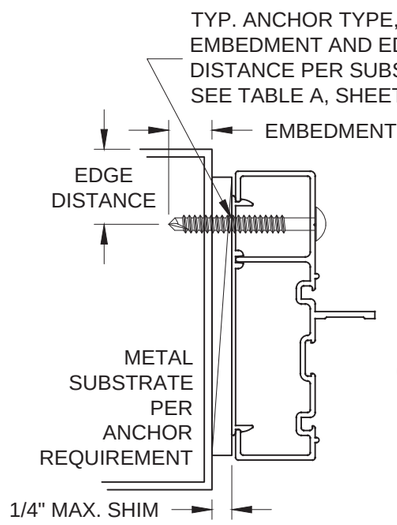
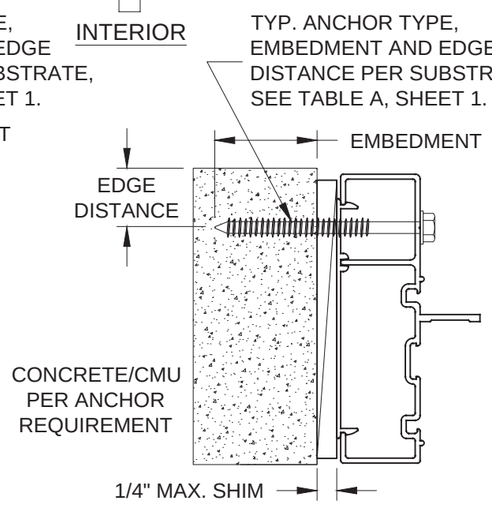


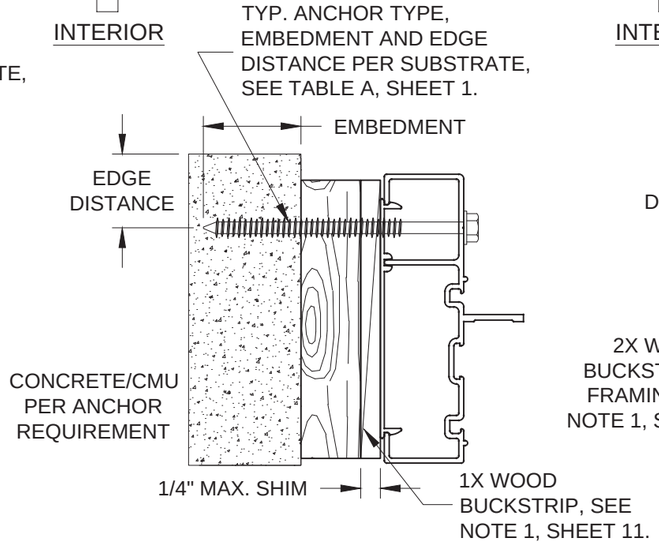

OPTIONAL DOOR SILL
(DIRECT TO WOOD)



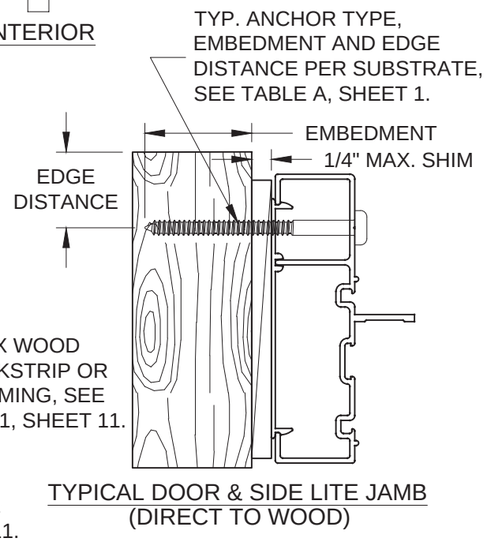

TYPICAL DOOR & SIDE LITE JAMB
(DIRECT TO METAL)




TYPICAL DOOR & SIDE LITE JAMB
(DIRECT TO CONCRETE)




TYPICAL DOOR & SIDE LITE JAMB
(THRU 1X INTO CONCRETE)




TYPICAL DOOR & SIDE LITE JAMB
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| 12/23/04 | JENS ROSOWSKI | 8000-11 | 12 OF 12 |

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