MIAMI-DADE COUNTY
DEPARTMENT OF REGULATORY AND ECONOMIC RESOURCES (RER)
BOARD AND CODE ADMINISTRATION DIVISION

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

# NOTICE OF ACCEPTANCE (NOA)

**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-101"** Aluminum Outswing French Doors w/wo Sidelites– **L.M.I.**

**APPROVAL DOCUMENT:** Drawing No. **11005–1 Rev H**, titled "Alum. French Door & Sidelites, Impact", sheets 1 through 15 of 15, dated 04/04/2012 and last revised on 04/20/20, prepared by PGT Industries, signed and sealed by Anthony Lynn Miller, P. E., bearing the Miami–Dade County Product Control Renewal 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. Use of Tables **1** or **2** (sheet 2) requires full length reinforcements (item # 22) for OX, XO, XXO, OXX, OXO and OXXO configurations. The lower design pressure from table 1 or table 2 shall control.
2. Standalone X, XX and O configuration unit do not require, reinforcement (item #22).
3. Applicable Egress operable doors must comply with min clear width & height per FBC, to be reviewed by AHJ.
4. 1x or 2x buck to be properly secured to sustain imposed load and to be reviewed by AHJ.

**LABELING:** Each unit shall bear a permanent label with the manufacturer's name or logo, city, state and series and following statement: "Miami-Dade County Product Control Approved", 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 **renews NOA #20-0427.01** and consists of this page 1 and evidence pages E-1, E-2, E-3 & E-4, as well as approval document mentioned above.
The submitted documentation was reviewed by **Ishaq I. Chanda, P.E.**

MIAMI-DADE COUNTY APPROVED

Ishaq I. Chanda

**NOA No. 22-0608.03**
**Expiration Date: October 18, 2027**
**Approval Date: July 07, 2022**

**PGT Industries, Inc.**

## NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

### 1. Evidence submitted under previous approvals

**A. DRAWINGS**

1. Manufacturer's die drawings and sections (Submitted under files # listed below)
2. Drawing No. **11005–1 Rev F**, titled "Alum. French Door & Sidelites, Impact", sheets 1 through 10 of 10, dated 04/04/2012 and last revised on 09/08/16, prepared by PGT Industries, signed and sealed by Anthony Lynn Miller, P.E.

**B. TESTS**

1. 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/ TPS, 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 file **#16-0629.17**)

2. 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 fixed sidelite (O) w/ insulated laminated glass, prepared by Fenestration Testing Laboratory, Inc., Test Reports No(s) **FTL–6864**, dated 04/02/12, signed and sealed by Marlin D. Brinson, P. E. (Submitted under files #**12-0516.02**/#**11-1013.22)**

3. Test report 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 FBC 2411 3.2.1, TAS 202-94

Along with marked–up drawings and installation diagram of Aluminum outswing doors w/sidelites, prepared by Fenestration Testing Laboratory, Inc., Test Reports No **FTL–5212**, dated 05/05/2007, signed and sealed by Carlos S. Rionda, P. E. (Submitted under files # **12-516.02**/#**11-1013.22)**

**C. CALCULATIONS** (Submitted under file **#15-0528.24**)

1. Anchor verification calculations and structural analysis dated 05/22/15, complying with FBC-214 (**5th** Edition), prepared by PGT, signed and sealed by Lynn Miller, P.E.
2. Glazing complies w/ ASTME-1300-02, 04 & -09.

**D. QUALITY ASSURANCE**

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

Ishaq I. Chanda

**Ishaq I. Chanda, P.E.**
**Product Control Unit Supervisor**
**NOA No. 22-0608.03**
**Expiration Date: October 18, 2027**
**Approval Date: July 07, 2022**

## NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

**E. MATERIAL CERTIFICATIONS**

1. Notice of Acceptance No. **14-0916.10** issued to Kuraray America, Inc. (former E.I. DuPont DeNemours & Co., Inc.) for "Kuraray **Butacite PVB Interlayer**", expiring on 12/11/16.
2. Notice of Acceptance No. **12-1231.10** issued to Eastman Chemical Company (MA) former Solutia Inc. for their "**Saflex Clear or colored interlayer**", expiring on 05/21/16.

**F. STATEMENTS** (Submitted under file **#15-0528.24**)

**1.** Statement letter of conformance to FBC 2014(5th edition) and letter of no financial interest, prepared by PGT, dated 05/22/15, signed and sealed by Lynn Miller, P.E.

**2.** Lab compliance as part of the above referenced test report.

**G. OTHER**

1. This NOA **revises** NOA #**15-0528.24**, expiring 10/18/17.
2. Test proposal # 16-0152 dated 03/09/16 approved by RER
3. Test proposals dated Jan 18, 2017 and 02/15/12 approved by Jaime D. Gascon, P.E.

**2. Evidence submitted under previous approval**

**A. DRAWINGS**

1. Drawing No. **11005–1 Rev G**, titled "Alum. French Door & Sidelites, Impact", sheets 1 through 15 of 15, dated 04/04/2012 and last revised on 09/17/17, prepared by PGT Industries, signed and sealed by Anthony Lynn Miller, P.E.

**B. TESTS**

1. None.

**C.**

1. Anchor verification calculations and structural analysis dated 08/01/17, complying with FBC-2014 (**5TH** Edition) & 2017(**6th** Edition), prepared by PGT, signed and sealed by Lynn Miller, P.E.
2. Glazing complies w/ ASTME-1300-02, 04 & -09.

**D.**

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

**E. MATERIAL CERTIFICATIONS**

1. Notice of Acceptance No. **16-1117.01** issued to Kuraray America, Inc. (former E.I. DuPont DeNemours & Co., Inc.) for "**Trosifol**: Ultra clear, clear & color PVB glass interlayer" (former "Kuraray **Butacite** PVB Interlayer)", expiring on 07/08/19.
2. Notice of Acceptance No. **15-1201.11** issued to Eastman Chemical Company (MA) former Solutia Inc. for their "**Saflex Clear or colored interlayer**", expiring on 05/21/21.

**F. STATEMENTS**

1. Statement letter of conformance to FBC 2014(5th edition), FBC 2017(6th edition) and letter of no financial interest, prepared by PGT, dated 08/01/17, signed and sealed by Lynn Miller, P.E.

**G. OTHER**

1. This NOA **revises & renews** NOA #**16-0629.17**, expiring 10/18/22.

Ishaq I. Chanda

**Ishaq I. Chanda, P.E.**
**Product Control Unit Supervisor**
**NOA No. 22-0608.03**
**Expiration Date: October 18, 2027**
**Approval Date: July 07, 2022**

## NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

**3. Evidence submitted under previous approval**

**A. DRAWINGS**

1. Drawing No. **11005–1 Rev H**, titled "Alum. French Door & Sidelites, Impact", sheets 1 through 15 of 15, dated 04/04/2012 and last revised on 04/2020, prepared by PGT Industries, signed and sealed by Anthony Lynn Miller, P. E.

**B. TESTS**

1. Test report on 1) Air Infiltration Test, per FBC, TAS 202-94
   2) Uniform Static Air Pressure Test, Loading per FBC TAS 202-94
   3) Water Resistance Test, per FBC, TAS 202-94
   4) Large Missile Impact Test per FBC, TAS 201-94
   5) Cyclic Wind Pressure Loading per FBC, TAS 203-94
   6) Forced Entry Test, per ASTM F588 and TAS 202-94

   along with marked-up drawings and installation diagram of all PGT Industries, Inc. representative units listed below and tested to qualify **Dowsil 791** and **Dowsil 983** silicones, prepared by Fenestration Testing Laboratory, Inc., Test Reports No.:
   **FTL-7897,** PGT PW5520 PVC Fixed Window (unit 6 in proposal), dated 09/03/14
   **FTL-20-2107.1,** PGT SGD780 Aluminum Sliding Glass Door (unit 7 in proposal) **FTL-20-2107.2,** PGT CA740 Alum. Outswing Casement Window (unit 8 in proposal) **FTL-20-2107.3,** PGT PW7620A Aluminum Fixed Window (unit 9 in proposal) and **FTL-20-2107.4**, PGT PW7620A Aluminum Fixed Window (unit 10 in proposal) dated 07/13/20, all signed and sealed by Idalmis Ortega, P.E.

**C. CALCULATIONS**

1. Anchor verification calculations and structural analysis dated 04/15/20, complying with FBC-2020 (**7th** Edition), prepared by PGT, signed and sealed by Lynn Miller, P.E.
2. Glazing complies w/ ASTME-1300-02, -04 -09 & -16.

**D. QUALITY ASSURANCE**

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

**E. MATERIAL CERTIFICATIONS**

1. Notice of Acceptance No. **19-0305.02** issued to Kuraray America, Inc. (former E.I. DuPont DE Nemours & Co., Inc.) for "**Trosifol**: Ultra clear, clear & color PVB glass interlayer" (former "Kuraray **Butacite** PVB Interlayer)", expiring on 07/08/24.
2. Notice of Acceptance No. **15-1201.11** issued to Eastman Chemical Company (MA) former Solutia Inc. for their "**Saflex Clear or colored interlayer**", expiring on 05/21/21.

**F. STATEMENTS**

1. Statement letter of conformance to FBC 2020 (7th edition), and letter of no financial interest, prepared by PGT, dated 04/15/20, signed and sealed by Lynn Miller, P.E.
2. Letter of lab compliance, part of the above test reports.

**G. OTHER**

1. This NOA **revises** NOA #**17-0504.01** and updates to FBC 2020 (7th Edition), expiring 10/18/22.
2. RER Test proposals #**19-1155** dated 01/10/20 approved by Ishaq I. Chanda, P.E.

Ishaq I. Chanda

**Ishaq I. Chanda, P.E.**
**Product Control Unit Supervisor**
**NOA No. 22-0608.03**
**Expiration Date: October 18, 2027**
**Approval Date: July 07, 2022**

## NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

**4. New Evidence submitted**

**A. DRAWINGS**

1. Drawing No. **11005–1 Rev H**, titled "Alum. French Door & Sidelites, Impact", sheets 1 through 15 of 15, dated 04/04/2012 and last revised on 04/2020, prepared by PGT Industries, signed and sealed by Anthony Lynn Miller, P. E.

**B. TESTS**

1. None.

**C. CALCULATIONS (submitted** under previous approval**)**

1. Anchor verification calculations and structural analysis dated 04/15/20, complying with FBC-2020 (**7th** Edition), prepared by PGT, signed and sealed by Lynn Miller, P.E.
2. Glazing complies w/ ASTME-1300-02, -04 -09 & -16.

**D. QUALITY ASSURANCE**

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

**E. MATERIAL CERTIFICATIONS**

1. Notice of Acceptance No. **19-0305.02** issued to Kuraray America, Inc. (former E.I. DuPont DE Nemours & Co., Inc.) for "**Trosifol**: Ultra clear, clear & color PVB glass interlayer" (former "Kuraray **Butacite** PVB Interlayer)", expiring on 07/08/24.
2. Notice of Acceptance No. **21-0216.01** issued to Eastman Chemical Company (MA) former Solutia Inc. for their "**Saflex Clear or colored interlayer**", expiring on 05/21/26.

**F. STATEMENTS**

1. Statement e-letter dated 05/26/22 issued by PGT Industries, Inc, requesting renewal with no change, signed and sealed by Lynn Miller, P.E.
2. Statement letter of conformance to FBC 2020 (7th edition), and letter of no financial interest, prepared by PGT, dated 05/26/22, signed and sealed by Lynn Miller, P.E.

**G. OTHER**

1. This NOA **renews** NOA #**20-0427.01,** expiring 10/18/27.

Ishaq I. Chanda

**Ishaq I. Chanda, P.E.**
**Product Control Unit Supervisor**
**NOA No. 22-0608.03**
**Expiration Date: October 18, 2027**
**Approval Date: July 07, 2022**

# SERIES 101 OUTSWING, IMPACT RESISTANT FRENCH DOOR AND SIDE LITE

1) GLAZING OPTIONS: SEE BELOW.

2) DESIGN PRESSURES: (SEE TABLES 1-4 ON SHEET 2.
   A. NEGATIVE DESIGN LOADS BASED ON TESTED PRESSURE AND GLASS TABLES ASTM E 1300.
   B. POSITIVE DESIGN LOADS BASED ON WATER TEST PRESSURE AND GLASS TABLES ASTM E 1300.
   C. DESIGN LOADS ARE BASED ON ALLOWABLE STRESS DESIGN, ASD.

3) CONFIGURATIONS: X, O, XX, XO, OX, XXO, OXX, OXO, AND OXXO.

4) ANCHORAGE: THE 33 1/3% STRESS INCREASE HAS NOT BEEN USED IN THE DESIGN OF THIS PRODUCT. FOR ANCHORAGE REQUIREMENTS SEE SHEETS 8-11. MATERIALS, INCLUDING BUT NOT LIMITED TO STEEL SCREWS, THAT COME INTO CONTACT WITH OTHER DISSIMILAR MATERIALS SHALL MEET THE REQUIREMENTS OF THE FBC, CURRENT EDITION.

5) SHUTTERS ARE NOT REQUIRED.

6) SEALANTS: INSTALLATION SCREWS, FRAME AND PANEL CORNERS SEALED WITH CLEAR COLORED SEALANT.

7) REFERENCES: TEST REPORT FTL-4964, 5212 & 6864; ELCO ULTRACON, DEWALT ULTRACON+ & DEWALT/ELCO CRETEFLEX NOA'S

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

9) DOOR SIZES MUST BE VERIFIED FOR COMPLIANCE WITH EGRESS REQUIREMENTS PER CURRENT FLORIDA BUILDING CODE. APPLICABLE EGRESS REQUIREMENTS TO BE REVIEWED BY AUTHORITY HAVING JURISDICTION (AHJ).

INSTRUCTIONS:

1) DETERMINE THE DESIGN PRESSURE, DP REQUIREMENT (LBS/FT²) FOR THE OPENING USING THE **ASCE-7 STANDARD**.

2) ON SHEET 2, TABLES 1 & 2 REFER TO PRODUCTS THAT ARE REINFORCED. TABLES 3 & 4 REFER TO PRODUCTS THAT ARE UNREINFORCED. DETERMINE THE DESIGN PRESSURE OF YOUR PRODUCT USING THE APPROPRIATE SET OF TABLES. EXAMPLES ARE GIVEN ON SHEET 2. THIS DESIGN PRESSURE NEEDS TO BE HIGHER THAN THE OPENING'S REQUIRED DESIGN PRESSURE FROM STEP 1.

3) DETERMINE YOUR ANCHOR GROUP FROM TABLE A, THIS SHEET AND YOUR GLASS TYPES, (A - D), FROM THE GLAZING DETAILS ON THIS SHEET.

4) FROM SHEETS 7-13, FIND THE SHEET THAT PERTAINS TO YOUR PRODUCT AND DETERMINE THE ANCHOR QUANTITIES REQUIRED.

5) ANCHORS ARE TO BE INSTALLED USING THE LOCATION GUIDELINES GIVEN IN THE NOTES ON SHEETS 7-13. SHEET 14 & 15 SHOW INSTALLATION CROSS-SECTIONAL DETAILS.

| DESIGN PRESSURE RATING | IMPACT RATING |
|---|---|
| SEE TABLES 1 - 4 ON SHEET 2 | RATED FOR LARGE & SMALL MISSILE IMPACT RESISTANCE |

TABLE A:

| Anchor Group | Anchor Type | Frame Member | Substrate | Min. Edge Distance | Min. Embedment or Metal Thickness |
|---|---|---|---|---|---|
| 1 | 1/4" Elco UltraCon® | All | Concrete (min. 2.85 ksi) | 1-3/4" | 1-3/8" |
| | | Jamb | Hollow Block (ASTM C90) | 1-3/4" | 1-1/4" |
| | 1/4" DeWalt UltraCon+® | All | Concrete (min. 3 ksi) | 1-3/4" | 1-3/8" |
| | | Jamb | Hollow Block (ASTM C90) | 1-3/4" | 1-1/4" |
| 2 | 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" |
| 3 | #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.) |

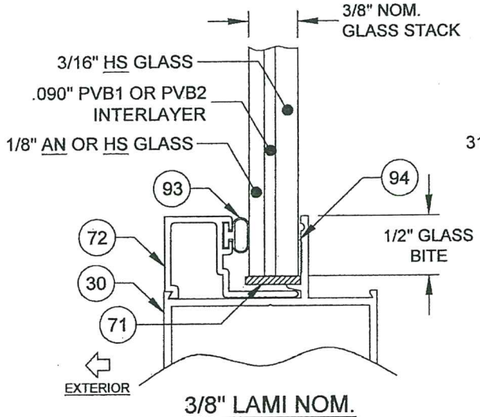
1) ALL ANCHOR HEAD TYPES ARE APPLICABLE.
2) MIN. OF 3 THREADS BEYOND METAL SUBSTRATE.
3) METAL SUBSTRATE TO MEET MIN. STRENGTH AND THICKNESS REQUIREMENTS PER CURRENT FLORIDA BUILDING CODE AND TO BE REVIEWED BY THE AUTHORITY HAVING JURISDICTION.

| 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 |

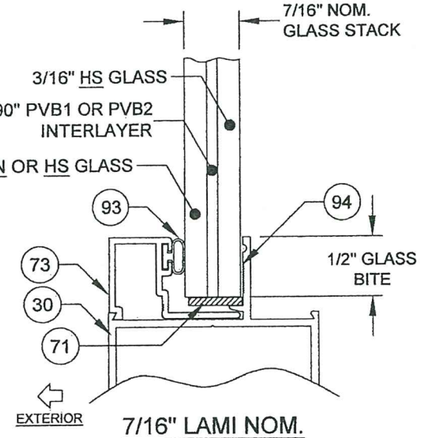


CODES / STANDARDS USED:

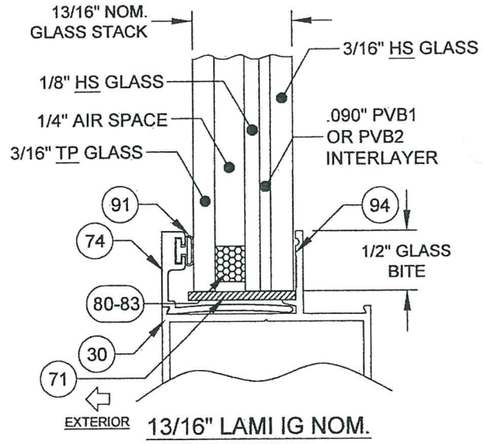
- 2020 FLORIDA BUILDING CODE (FBC), 7TH EDITION
- 2017 FLORIDA BUILDING CODE (FBC), 6TH EDITION
- ASTM E1300-09
- ANSI/AF&PA NDS-2018 FOR WOOD CONSTRUCTION
- ALUMINUM DESIGN MANUAL, ADM-2015
- AISI S100-16
- AISC 360-16




3/8" LAMI NOM.
GLASS TYPE A
GLASS TYPE B




7/16" LAMI NOM.
GLASS TYPE C
GLASS TYPE D




13/16" LAMI IG NOM.
GLASS TYPE E

AN = ANNEALED
HS = HEAT-STRENGTHENED
TP = TEMPERED

PVB1 = .090" TROSIFOL® PVB BY KURARAY AMERICA, INC.
PVB2 = .090" SAFLEX/KEEPSAFE MAXIMUM PVB BY EASTMAN CHEMICAL CO.

**PRODUCT RENEWED**
**as complying with the Florida Building Code**
**NOA-No.** 22-0608.03
**Expiration Date** 10/18/2027
**By** Ishaq I. Chanda
**Miami-Dade Product Control**

PRODUCT REVISED
as complying with the Florida Building Code
Acceptance No. 20-0427.01
Expiration Date OCT 18, 2022
By Ishaq I. Chanda
Miami-Dade Product Control

| Revision |
|---|
| H) UPDATED TO FBC 2020, REVISED ANCHOR TYPE TABLE. AK - 04/15/20 |


1070 TECHNOLOGY DRIVE
N. VENICE, FL 34275
(941)-480-1600


REGISTRATION #29296

| Series | Desc. | Title | Scale | Sheet | DWG No. | Drawn By | Date | Rev. |
|---|---|---|---|---|---|---|---|---|
| FD-101 LM | ALUM. FRENCH DOOR & SIDE LITES, LM | NOTES AND GLZ. DETAILS | NTS | 1 OF 15 | 11005-1 | JENS ROSOWSKI | 04/04/12 | H |

ANTHONY LYNN MILLER
LICENSE
No. 58705
STATE OF FLORIDA
PROFESSIONAL ENGINEER
4/20/20

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

TABLE 1:

**DESIGN PRESSURES FOR DOORS, ALL GLASS TYPES**

**REINFORCED DOOR TO SIDE LITE OR UNREINFORCED STAND-ALONE DOOR**

| X FRAME WIDTH | XX FRAME WIDTH | FRAME HEIGHT | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | $6^8$ - 79 3/4" | | $7^0$ - 83 3/4" | | 87 3/4" | | 91 3/4" | | $8^0$ - 95 3/4" | |
| $3^0$ 37 1/2" | $6^0$ 71 3/4" | +75.0 | -75.0 | +75.0 | -75.0 | +75.0 | -75.0 | +75.0 | -75.0 | +75.0 | -75.0 |

TABLE 2:

**DESIGN PRESSURES FOR SIDE LITES**

**REINFORCED DOOR TO SIDE LITE OR UNREINFORCED STAND-ALONE SIDE LITE**

| GLASS TYPES | FRAME WIDTH | FRAME HEIGHT | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | $6^8$ - 79 3/4" | | $7^0$ - 83 3/4" | | 87 3/4" | | 91 3/4" | | $8^0$ - 95 3/4" | |
| A | 27 3/4" | +75.0 | -75.0 | +75.0 | -75.0 | +75.0 | -75.0 | +75.0 | -75.0 | +75.0 | -75.0 |
| | 36 1/8" | +75.0 | -75.0 | +75.0 | -75.0 | +71.4 | -71.4 | +67.6 | -67.6 | +64.2 | -64.2 |
| | 36 3/4" | +75.0 | -75.0 | +74.9 | -74.9 | +70.4 | -70.4 | +66.6 | -66.6 | +63.1 | -63.1 |
| B, C, D OR E | 36 3/4" | +75.0 | -75.0 | +75.0 | -75.0 | +75.0 | -75.0 | +75.0 | -75.0 | +75.0 | -75.0 |

FOR MAX. SIZES OF COMBINED UNITS, SEE SHEETS 10-13.

DOOR SIZES MUST BE VERIFIED FOR COMPLIANCE WITH EGRESS REQUIREMENTS PER CURRENT FLORIDA BUILDING CODE. APPLICABLE EGRESS REQUIREMENTS TO BE REVIEWED BY AUTHORITY HAVING JURISDICTION (AHJ).

TABLE 3:

**DESIGN PRESSURES FOR DOORS, ALL GLASS TYPES**

**UNREINFORCED DOOR TO SIDE LITE**

| X FRAME WIDTH | XX FRAME WIDTH | FRAME HEIGHT | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | $6^8$ - 79 3/4" | | $7^0$ - 83 3/4" | | 87 3/4" | | 91 3/4" | | $8^0$ - 95 3/4" | |
| $2^0$ 25 1/2" | $4^0$ 47 3/4" | +58.6 | -58.6 | +55.4 | -55.4 | +52.4 | -52.4 | +49.8 | -49.8 | +47.4 | -47.4 |
| 27 1/2" | 51 3/4" | +54.9 | -54.9 | +51.8 | -51.8 | +49.0 | -49.0 | +46.5 | -46.5 | +44.3 | -44.3 |
| 29 1/2" | 55 3/4" | +51.7 | -51.7 | +48.8 | -48.8 | +46.1 | -46.1 | +43.8 | -43.8 | +41.6 | -41.6 |
| $2^6$ 31 1/2" | $5^0$ 59 3/4" | +49.0 | -49.0 | +46.2 | -46.2 | +43.6 | -43.6 | +41.4 | -41.4 | +39.3 | -39.3 |
| $2^8$ 33 1/2" | $5^4$ 63 3/4" | +43.1 | -43.1 | +43.1 | -43.1 | +41.5 | -41.5 | +39.3 | -39.3 | +37.3 | -37.3 |
| 35 1/2" | 67 3/4" | +38.1 | -38.1 | +38.1 | -38.1 | +38.1 | -38.1 | +37.5 | -37.5 | +35.6 | -35.6 |
| $3^0$ 37 1/2" | $6^0$ 71 3/4" | +34.0 | -34.0 | +34.0 | -34.0 | +34.0 | -34.0 | +34.0 | -34.0 | +34.0 | -34.0 |

TABLE 4:

**DESIGN PRESSURES FOR SIDE LITES**

**UNREINFORCED DOOR TO SIDE LITE**

| GLASS TYPE | FRAME WIDTH | FRAME HEIGHT | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | $6^8$ - 79 3/4" | | $7^0$ - 83 3/4" | | 87 3/4" | | 91 3/4" | | $8^0$ - 95 3/4" | |
| A, B, C, D OR E | 10 3/4" | +75.0 | -75.0 | +75.0 | -75.0 | +75.0 | -75.0 | +75.0 | -75.0 | +75.0 | -75.0 |
| | 12 3/4" | +75.0 | -75.0 | +75.0 | -75.0 | +75.0 | -75.0 | +75.0 | -75.0 | +75.0 | -75.0 |
| | 19" | +72.4 | -72.4 | +68.5 | -68.5 | +65.0 | -65.0 | +61.9 | -61.9 | +59.0 | -59.0 |
| | 21 3/4" | +64.5 | -64.5 | +61.0 | -61.0 | +57.8 | -57.8 | +55.0 | -55.0 | +52.4 | -52.4 |
| | 27 3/4" | +52.9 | -52.9 | +49.9 | -49.9 | +47.2 | -47.2 | +44.7 | -44.7 | +42.6 | -42.6 |
| | 36 1/8" | +35.2 | -35.2 | +35.2 | -35.2 | +35.2 | -35.2 | +35.2 | -35.2 | +34.4 | -34.4 |
| | 36 3/4" | +34.0 | -34.0 | +34.0 | -34.0 | +34.0 | -34.0 | +34.0 | -34.0 | +34.0 | -34.0 |

NOTES FOR ALL CONFIGURATIONS:

1) FOR CONFIGURATIONS WHICH CONTAIN A SIDE LITE TO DOOR CONNECTION, (XO, OX, XXO, OXX, OXO, OXXO), THE LOWEST DESIGN PRESSURE SHALL PREVAIL.

2) FULL LENGTH REINFORCEMENT (ITEM 22 SHOWN IN SECTION E-E, SHEET 4), IS REQUIRED AT DOOR TO SIDE LITE CONNECTIONS, WHEN USING TABLES 1 & 2.

3) DOOR AND SIDE LITE COMBINATIONS FROM TABLES 3 AND 4 DO NOT REQUIRE REINFORCEMENT ITEM 22.

4) DESIGN PRESSURES UNDER 40 PSF ARE NOT APPLICABLE IN MIAMI-DADE COUNTY.

5) FOR DOOR-ONLY CONFIGURATIONS (X, XX), ONLY TABLE 1 IS APPLICABLE. REINFORCEMENT, PART #22, IS NOT REQUIRED.

6) FOR SINGLE, STAND-ALONE SIDE LITES (O), ONLY TABLE 2 IS APPLICABLE. REINFORCEMENT, PART #22, IS NOT REQUIRED

7) CONFIGURATIONS WHERE THE DOOR LOCKSTILE ABUTS A SIDELITE ARE NOT AVAILABLE WITH REINFORCEMENT.

8) FOR SIZES NOT SHOWN, ROUND UP TO THE NEXT AVAILABLE SIZE. (E.G. FOR 32" "X" DOOR WIDTH IN TABLE 3, USE 33-1/2")

EXAMPLE 1, (USING TABLES 1 & 2): XO WITH GLASS TYPE B, REINFORCED,
33-1/2" WIDE X 79-3/4" HIGH SINGLE DOOR WITH 18" X 79-3/4" SIDE LITE (SEE NOTE 8)

DOOR DESIGN PRESSURE = +75 / -75 PSF
SIDE LITE DESIGN PRESSURE = +75 / -75 PSF
OVERALL DESIGN PRESSURE = +75 / -75 PSF

EXAMPLE 3, (USING TABLES 3 & 4): OXO WITH GLASS TYPE C, UNREINFORCED,
30" WIDE X 87-3/4" HIGH SINGLE DOOR WITH (2) 26" X 87-3/4" SIDE LITES (SEE NOTE 8)

DOOR DESIGN PRESSURE = +43.6 / -43.6 PSF
SIDE LITE DESIGN PRESSURE = +47.2 / -47.2 PSF
OVERALL DESIGN PRESSURE = +43.6 / -43.6 PSF

EXAMPLE 5, (USING TABLE 1): X WITH GLASS TYPE A,
32" WIDE X 90" HIGH SINGLE DOOR (SEE NOTE 8)

DOOR DESIGN PRESSURE = +75 / -75 PSF

FOR MAX. SIZES OF COMBINED UNITS, SEE SHEETS 10-13.

EXAMPLE 2, (USING TABLES 1 & 2): OXXO WITH GLASS TYPE A, REINFORCED,
68" WIDE X 85" HIGH DOUBLE DOOR WITH (2) 36-1/2" X 85" SIDE LITES (SEE NOTE 8)

DOOR DESIGN PRESSURE = +75 / -75 PSF
SIDE LITE DESIGN PRESSURE = +70.4 / -70.4 PSF
OVERALL DESIGN PRESSURE = +70.4 / -70.4 PSF

EXAMPLE 4, (USING TABLES 3 & 4): OXXO WITH GLASS TYPE B, UNREINFORCED,
71-3/4" WIDE X 95-3/4" HIGH DOUBLE DOOR WITH (2) 36-3/4" X 95-3/4" SIDE LITES

DOOR DESIGN PRESSURE = +34 / -34 PSF
SIDE LITE DESIGN PRESSURE = +34 / -34 PSF
OVERALL DESIGN PRESSURE = +34 / -34 PSF

EXAMPLE 6, (USING TABLE 1): XX WITH GLASS TYPE A,
63-3/4" WIDE X 91-3/4" HIGH DOUBLE DOOR (SEE NOTE 8)

DOOR DESIGN PRESSURE = +75 / -75 PSF

GLASS TYPES (ALL TABLES, THIS SHEET):

A. 3/8" LAMI (1/8" A, .090 PVB, 3/16" HS)
B. 3/8" LAMI (1/8" HS, .090 PVB, 3/16" HS)
C. 7/16" LAMI (3/16" A, .090 PVB, 3/16" HS)
D. 7/16" LAMI (3/16" HS, .090 PVB, 3/16" HS)
E. 13/16" LAMI IG (3/16" TP, 1/4" AIRSPACE, 1/8" HS, .090 PVB, 3/16" HS)

**PRODUCT RENEWED**
**as complying with the Florida Building Code**
**NOA-No.** 22-0608.03
**Expiration Date** 10/18/2027
**By** Ishaq I. Chanda
**Miami-Dade Product Control**

PRODUCT REVISED
as complying with the Florida Building Code
Acceptance No. 20-0427.01
Expiration Date 10/18/22
By Ishaq I. Chanda
Miami-Dade Product Control

| Revision |
|---|
| H) ADDED DESCRIPTION TO TABLE HEADERS. - AK - 04/15/20 |

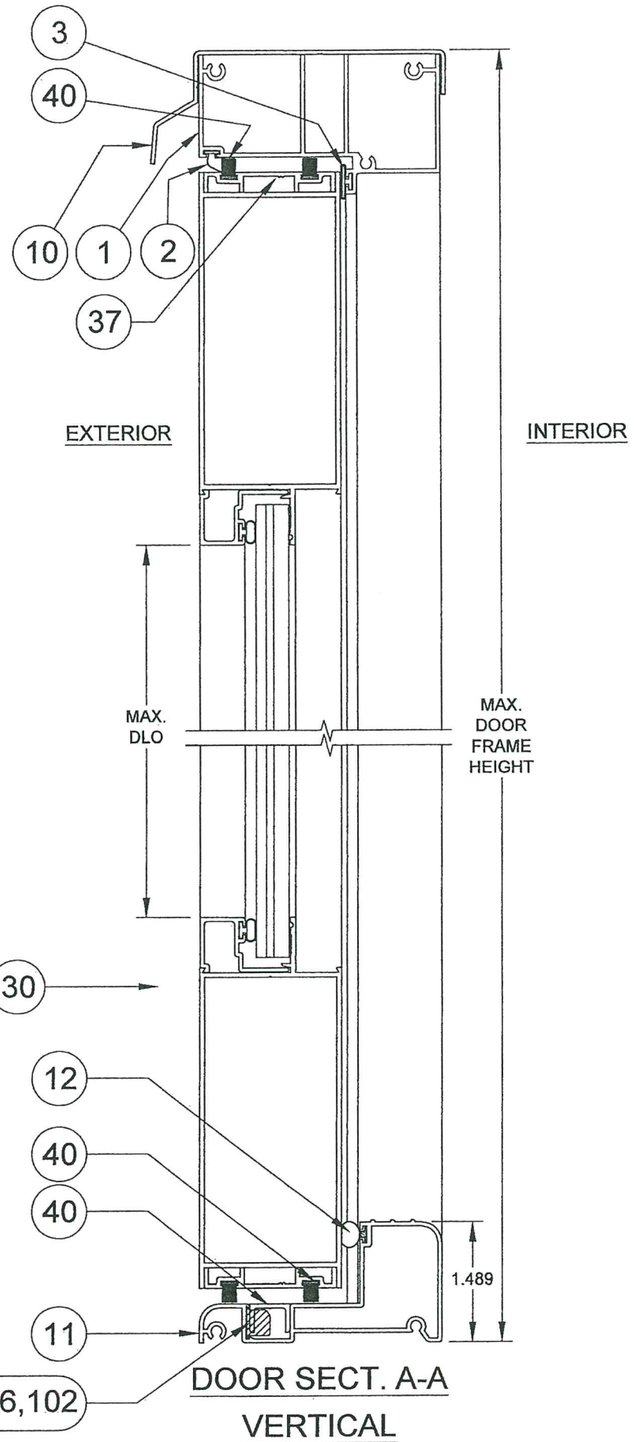

1070 TECHNOLOGY DRIVE
N. VENICE, FL 34275
(941)-480-1600

PGT® REGISTRATION #29296

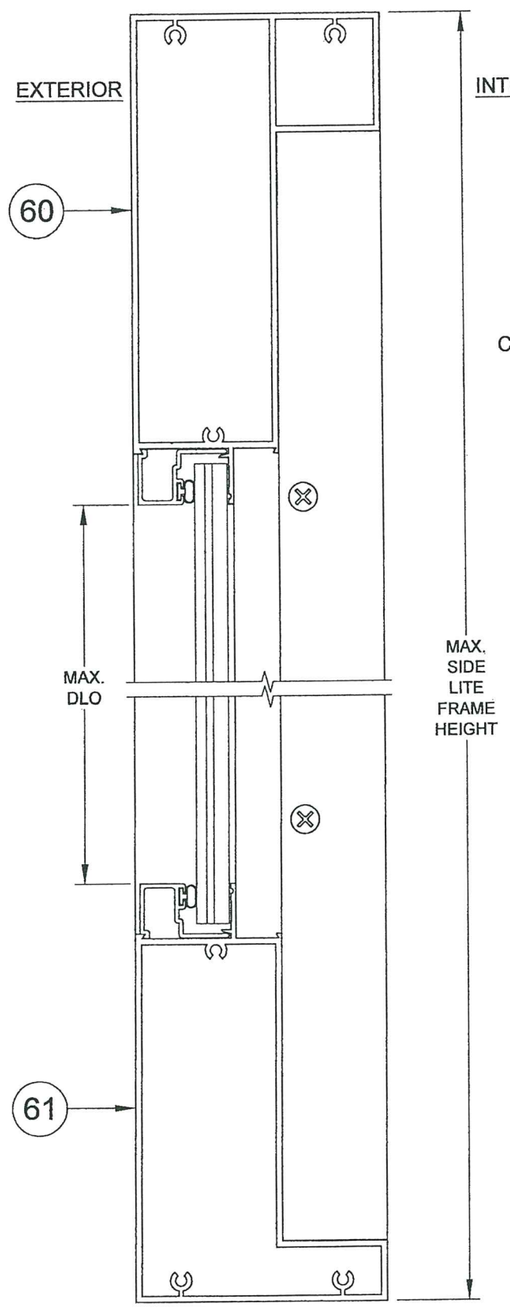

| Series | Desc. / Title | Sheet | Scale | DWG No. | Drawn By | Date | Rev. |
|---|---|---|---|---|---|---|---|
| FD-101 LM | ALUM. FRENCH DOOR & SIDE LITES, DESIGN PRESSURES | 2 OF 15 | NTS | 11005-1 | JENS ROSOWSKI | 04/04/12 | H |

ANTHONY LYNN MILLER
LICENSE
No. 58705
STATE OF FLORIDA
PROFESSIONAL ENGINEER
4/20/20

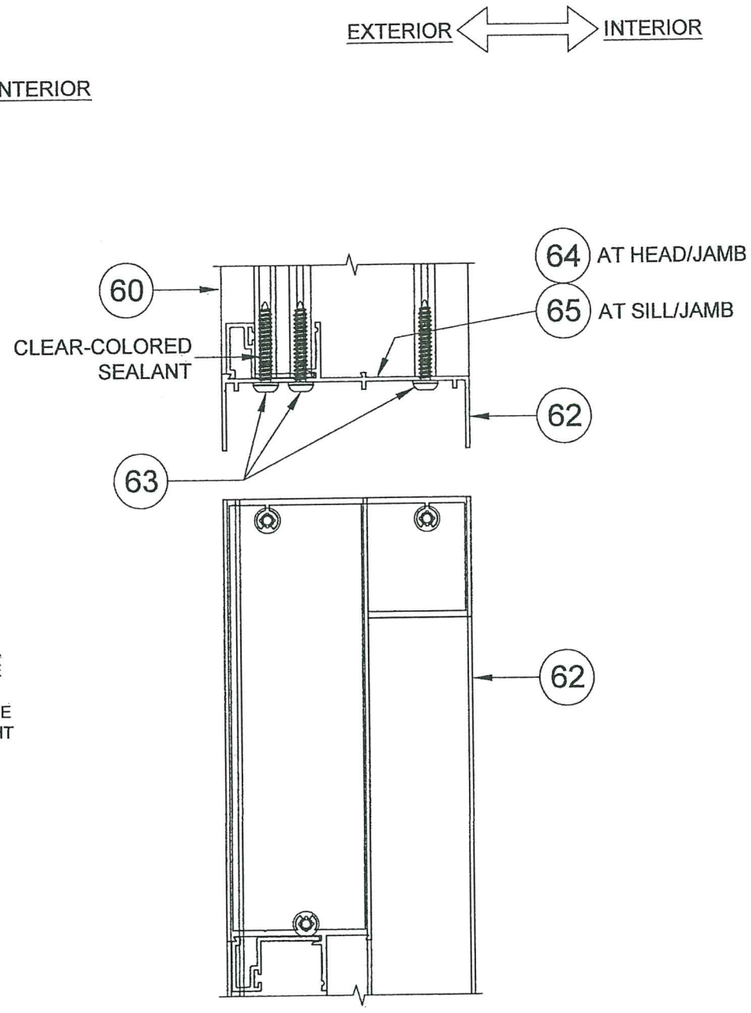
A. LYNN MILLER, P.E.
P.E.# 58705




DOOR SECT. A-A
VERTICAL




SL SECT. B-B
VERTICAL




SL VIEW G-G
CORNER ASSEMBLY

**PRODUCT RENEWED**
**as complying with the Florida Building Code**
**NOA-No.** 22-0608.03
**Expiration Date** 10/18/2027
**By** Ishaq I. Chanda
**Miami-Dade Product Control**

PRODUCT REVIEWED
as complying with the Florida
Building Code
Acceptance No. 20-0427.01
Expiration Date 10/18/22
By Ishaq I. Chanda
Miami-Dade Product Control

| Revision |
|---|
| H) NO CHANGES THIS SHEET. - AK - 04/15/20 |

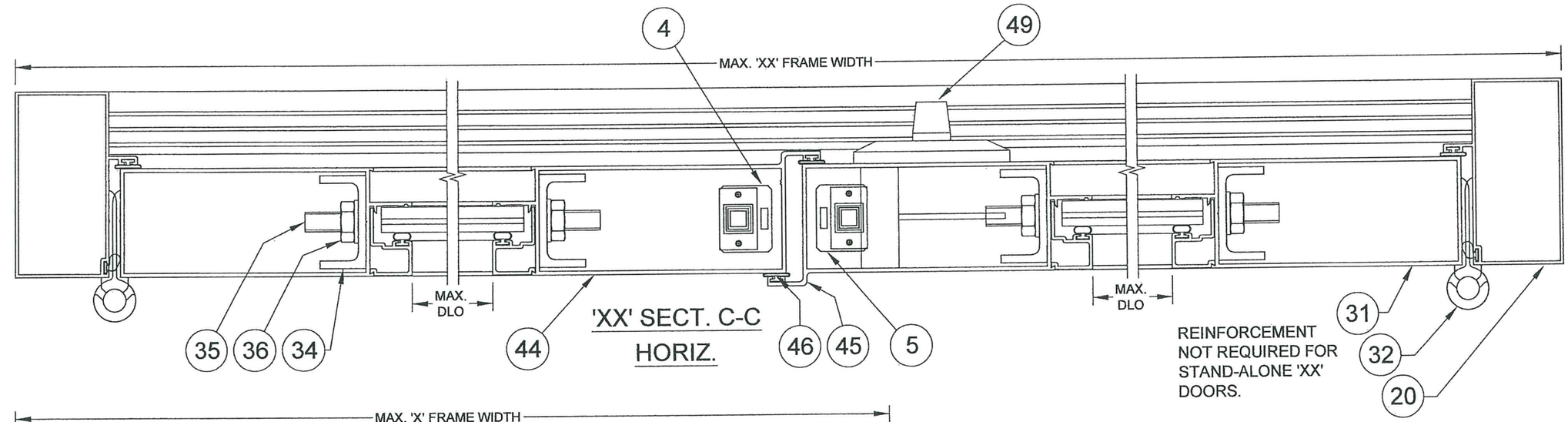

1070 TECHNOLOGY DRIVE
N. VENICE, FL 34275
(941)-480-1600


PGT® REGISTRATION #29296

| Title | Date | Rev. |
|---|---|---|
| ALUM. FRENCH DOOR & SIDE LITES, LM | 04/04/12 | H |
| **Series** | **Desc.** | **Drawn By** | **DWG No.** |
| FD-101 LM | VERTICAL SECTIONS | JENS ROSOWSKI | 11005-1 |
| **Scale** | **Sheet** | | |
| NTS | 3 OF 15 | | |

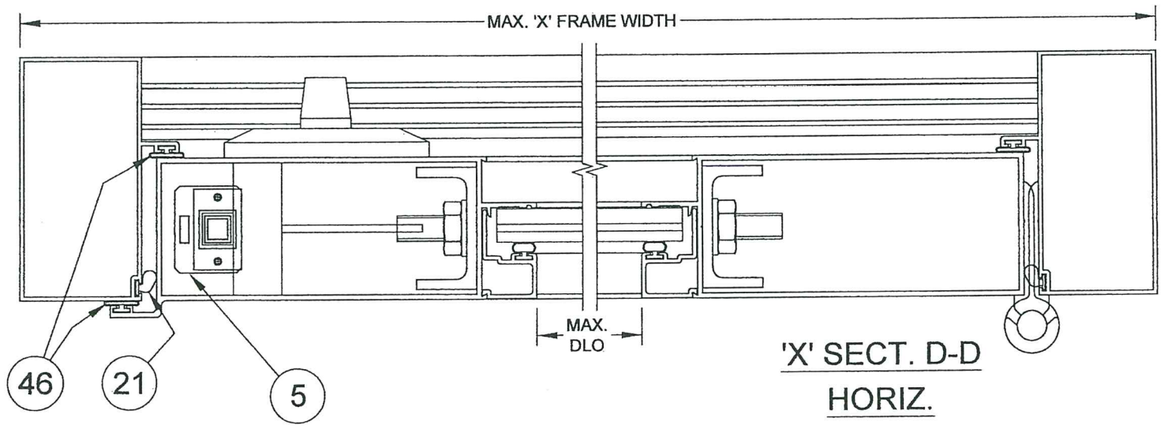
ANTHONY LYNN MILLER
LICENSE
No. 58705
4/20/20
STATE OF FLORIDA
PROFESSIONAL ENGINEER

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




'XX' SECT. C-C
HORIZ.

REINFORCEMENT NOT REQUIRED FOR STAND-ALONE 'XX' DOORS.

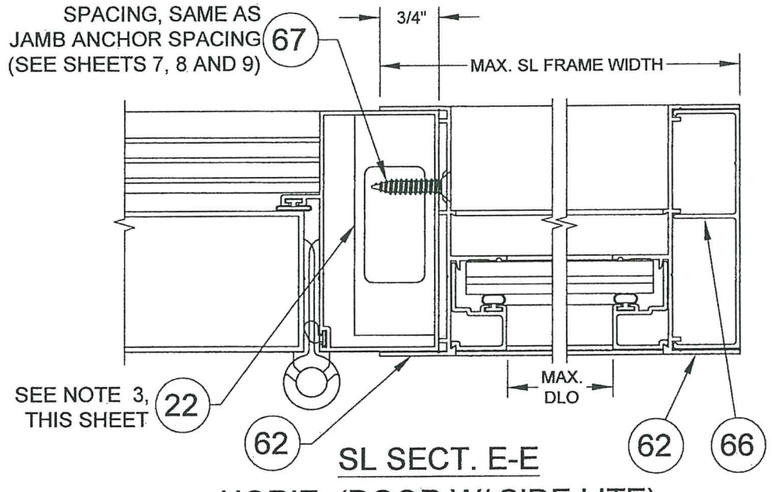



'X' SECT. D-D
HORIZ.

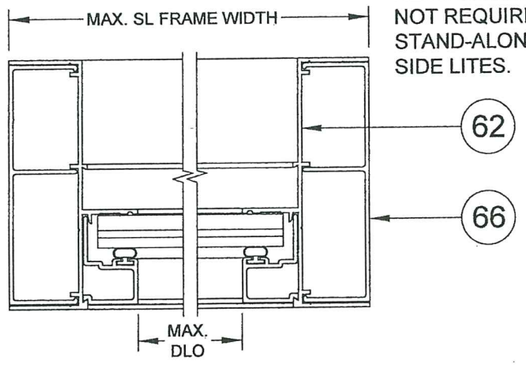
REINFORCEMENT NOT REQUIRED FOR STAND-ALONE 'X' DOORS.

INTERIOR

EXTERIOR




SL SECT. E-E
HORIZ. (DOOR W/ SIDE LITE)




REINFORCEMENT NOT REQUIRED FOR STAND-ALONE 'O' SIDE LITES.

SL SECT. F-F
HORIZ. (SINGLE SIDE LITE)

NOTES:

1) CLEAR OPENING FOR 'X' AND 'XX' DOORS AS FOLLOWS:
WIDTH:
'X' DOORS = DOOR FRAME WIDTH - 5.646
'XX' DOOR = DOOR FRAME WIDTH / 2 - 4.079
HEIGHT:
DOOR FRAME HEIGHT - 3.259"

2) SIDE LITES OVERLAP 'X' AND 'XX' DOORS BY 3/4" WHEN ASSEMBLED TO MAKE 'XO', 'OX', 'OXO' 'XXO', 'OXX' AND 'OXXO' CONFIGURATIONS.

3) FULL LENGTH REINFORCEMENT APPLICABLE TO DOOR AND SIDE LITE COMBINATIONS FROM TABLES 1 AND 2, SHEET 2. ITEM 22 IS NOT REQUIRED WITH COMBINATIONS FROM TABLES 3 AND 4, SHEET 2, OR WITH STAND-ALONE 'O', 'X' & 'XX' CONFIGURATIONS FROM TABLES 1 AND 2.

**PRODUCT RENEWED**
**as complying with the Florida Building Code**
**NOA–No.** 22–0608.03
**Expiration Date** 10/18/2027
**By** Ishaq I. Chanda
**Miami–Dade Product Control**

PRODUCT REVISED
as complying with the Florida Building Code
Acceptance No 20-0427.01
Expiration Date 10/18/27
By Ishaq I. Chanda
Miami-Dade Product Control

| Revision |
|---|
| H) NO CHANGES THIS SHEET. - AK - 04/15/20 |


PGT® REGISTRATION #29296
1070 TECHNOLOGY DRIVE
N. VENICE, FL 34275
(941)-480-1600


| Title | Desc. | Series |
|---|---|---|
| ALUM. FRENCH DOOR & SIDE LITES, LM | HORIZONTAL SECTIONS | FD-101 LM |

| Date | Drawn By | Rev. |
|---|---|---|
| 04/04/12 | JENS ROSOWSKI | H |

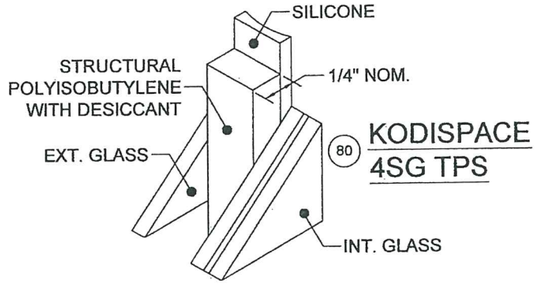
| DWG No. | Sheet | Scale |
|---|---|---|
| 11005-1 | 4 OF 15 | NTS |

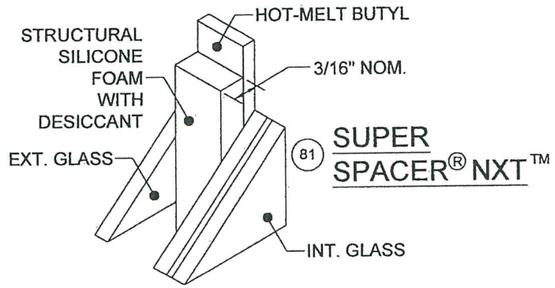
ANTHONY LYNN MILLER
LICENSE
No. 58705
STATE OF FLORIDA
PROFESSIONAL ENGINEER
4/12/12

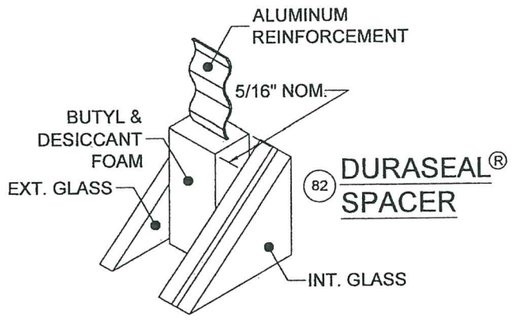
A. LYNN MILLER, P.E.
P.E.# 58705

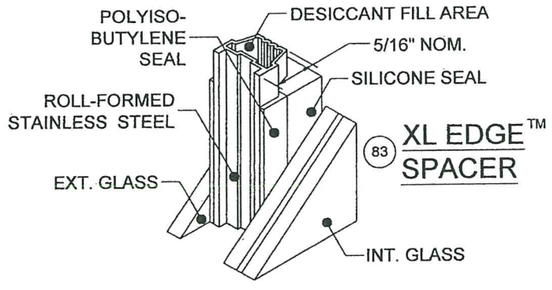
| ITEM | DWG # | PGT# | DESCRIPTION |
|---|---|---|---|
| 1 | 943B | 60411 | FRAME HEAD |
| 2 | 1010 | 6Q300 | WSTP.,Q-LON .190 X .375 HIGH |
| 3 | 7070 | 67070K | BULB WEATHERSTRIP .187 X .300 HIGH |
| 4 | 955 | 7955X | FLUSHBOLT STRIKEPLATE |
| 5 | 938 | 7938X | 2 PT. LOCK STRIKEPLATE |
| 6 | 956 | 7956A | FRAME HEAD STRIKEPLATE BACKING PLATE |
| 7 | | 7832X12FPXP | #8-32 X .500 PH. FL. MS - S.S. W/SILICONE PATCH |
| 8 | 995 | 70995 | GASKET (BETWEEN THRESHOLD & FRAME JAMB) |
| 9 | 996 | 70996 | GASKET (BETWEEN HEAD & FRAME JAMB) |
| 10 | 952A | 6533016 | FILLER HEAD ADAPTER |
| 11 | 11000 | 611000M | OUTSWING THRESHOLD |
| 12 | 1670 | 671670 | WSTP, .350 RD FOAM FILL T-SLOT (AMSBURY#32011) |
| 13 | 11004A | 611004M | OUTSWING THRESHOLD CHANNEL COVER |
| 14 | 11001A | 411001A | ACETAL SPACER .065 @ THRESHOLD, OPTIONAL |
| 15 | 11002A | 411002A | ACETAL SPACER .095 @ THRESHOLD, OPTIONAL |
| 16 | 11003A | 411003A | ACETAL SPACER .140 @ THRESHOLD, OPTIONAL |
| 20 | 915D | 60380 | FRAME JAMB (OUTSWING) |
| 21 | 1010 | 6Q300 | WSTP.,Q-LON .190 X .375 HIGH |
| 22 | 6608 | 66608M | REINFORCEMENT, 1.000 X 2.750 X 0.650, 6061-T5 |
| 23 | 1140 | 78X112PSATS | #8 X 1.500 PH SQ A T/S |
| 24 | 1048 | 71048 | JAMB SCREW COVER CAP |
| 25 | 930 | 41721N | STRIKE PLATE INSERT |
| 26 | 1118 | 710X34PFA | #10 X .750 PH. FL. SMS |
| 27 | 7070 | 67070K | BULB WEATHERSTRIP .187 X .300 HIGH |
| 30 | 910D | 6910 | DOOR PANEL, TOP & BOTTOM RAIL |
| 31 | 911E | 6911 | DOOR PANEL, SIDE RAIL |
| 32 | 917 | 7FRMO | HINGE EXTRUSION |
| 33 | 1178 | 71058FP W,B | #10 X .625 PH. FL. SMS |
| 34 | 913A | 60378M | TRUSS CLAMP |
| 35 | 1130 | 6TRODA | 5/16-18 THREADED ROD |
| 36 | 990 | 7990NUTA | 5/16-18 FLANGED HEX NUT |
| 37 | 914A | 60379M | WEATHERSTRIP CHANNEL |
| 38 | | 7834FPT | #8 X .75 PH. FL. TEK |
| 39 | 997 | 70997 | GASKET (BETWEEN PANEL HEAD/SILL & PANEL STILES) |
| 40 | 1023 | 67924G | WSTP., .187 X .250 HIGH, FINSEAL |
| 41 | 928 | 41720 | SLIDE BOLT ASSY. (INACTIVE PANEL ONLY) |
| 42 | 1145 | 76X12FPAW | #6 X .500 PH FL SMS TYPE BDS |
| 43 | 1212 | 7P30GG | SILL DUST PLUG (INACTIVE PNL) |
| 44 | 983B | 6983 | DOOR PANEL ASTRAGAL 1 (OUTSWING) |
| 45 | 984B | 6984 | DOOR PANEL ASTRAGAL 2 (OUTSWING) |
| 46 | 1213 | 6Q200K | WSTP.,Q-LON .190 X .200 HIGH |
| 47 | 929 | 74UBLOK | LOCK SUPPORT ASSY. (41707 & 41708) |
| 48 | 1139 | 7634F | #6 X .750 PH. FL. SMS |
| 49 | 982 | FD2PTAY | 2 PT. LOCK ASSY. |
| 50 | | 6R180FS | RUBBER SLEEVE |
| 51 | 930 | 41721 | STRIKE PL. INSERT (INACTIVE PANEL) |
| 52 | 931 | 7FRSPX | DEADBOLT STRIKE PLATE |
| 53 | 1118 | 710X34PFA | #10 X .750 PH FL. SMS |
| 54 | 957 | 70957X | HANDLE STRIKE PLATE |
| 55 | 1118 | 710X34PFA | #10 X .750 PH FL. SMS |
| 60 | 920D | 6920D | SIDELITE HEADER |
| 61 | 921D | 6921 | SIDELITE SILL |
| 62 | 916B | 60381 | SIDELITE JAMB |
| 63 | 1155 | 781PQA | #8 X 1.000 QUAD PN. SMS |
| 64 | 998 | 7998 | HEAD GASKETS (STOCKING #70998) |
| 65 | 999 | 7999 | SILL GASKETS (STOCKING #70999) |
| 66 | 934A | 61641M | SIDELITE JAMB ADAPTER |
| 67 | | | #12 X 1.000 SHEET METAL SCREW |
| 70 | | 712653K | SETTIING BLOCK, 3/32" X 1/4" X 1" W/PSA |
| 71 | | 71267K | SETTING BLOCK, 1/16" X 1/2" X 1" W/PSA |
| 72 | 4222A | 64222 | BEAD, 7/16" |
| 73 | 988 | 6988 | BEAD, 3/8" |
| 74 | 988 | | IG BEAD |
| 92 | 986 | 64986 | BEAD, INTERIOR |
| 93 | 1224 | 6TP247 | BULB, THICK (USED IN EXTRUDED BEAD) |
| 94 | GLAZING SILICONE, DOW 899 OR 983 OR 791 | | |
| 95 | GLASS, 3/8" LAMI - 1/8" A, .90 PVB, 3/16" HS | | |
| 96 | GLASS, 3/8" LAMI - 1/8" HS, .90 PVB, 3/16" HS | | |
| 97 | GLASS, 7/16" LAMI - 3/16" A, .90 PVB, 3/16" HS | | |
| 98 | GLASS, 7/16" LAMI - 3/16" HS, .90 PVB, 3/16" HS | | |
| 102 | 11006A | 41106A | ACETAL SPACER .295 @ THRESHOLD, OPTIONAL |
| 103 | OFF-THE SHELF | | DEAD BOLT LOCK, MIN 1" THROW, GR 3 STEEL |
| 104 | OFF-THE SHELF | | HANDLE/LATCH ASSEMBLY, MIN 7/16" THROW, GR 3 STEEL |

ITEMS # 17-19, 28, 29, 56-59, 68, 69, 75-79, 84-91 & 99-101 ARE NOT USED AND ARE NOT PART OF THIS APPROVAL.



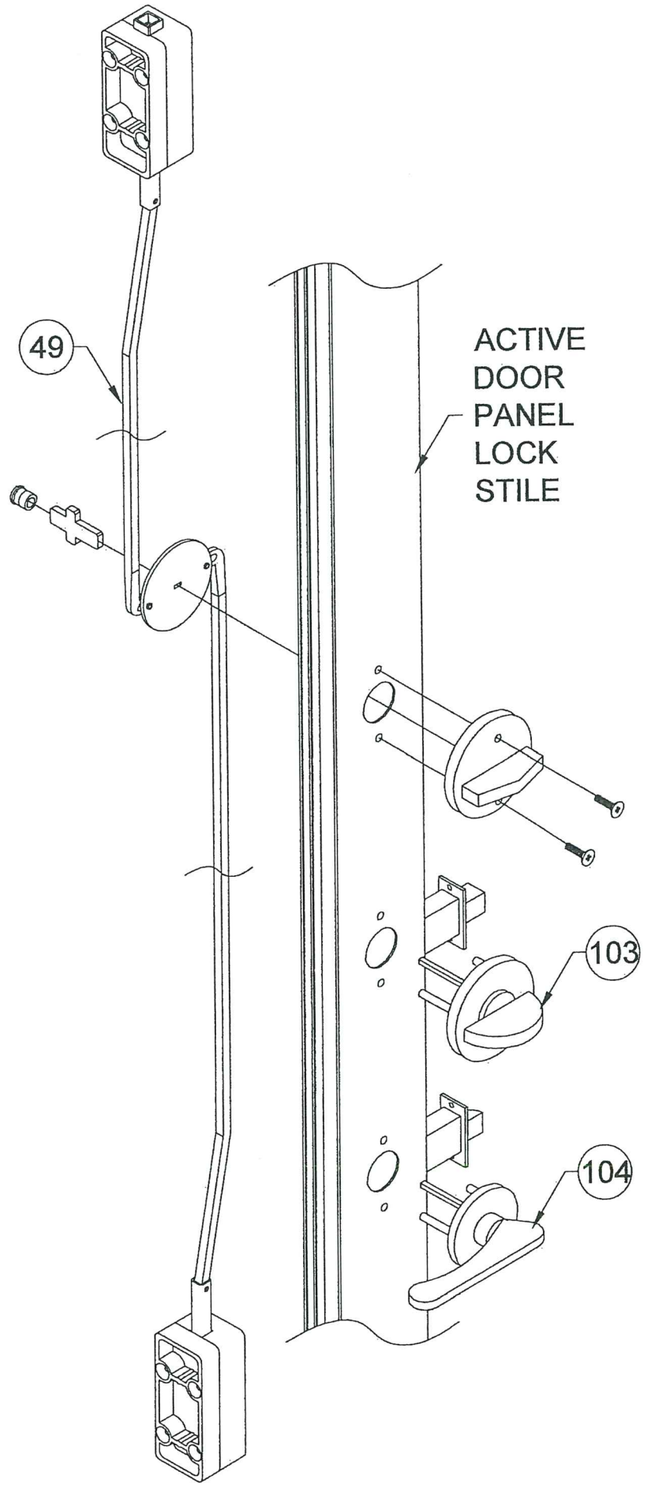




| Part # | Description | Material |
|---|---|---|
| 80 | Kommerling 4SG TPS Spacer System | See this Sheet for Materials |
| 81 | Quanex Super Spacer nXT with Hot Melt Butyl | |
| 82 | Quanex Duraseal Spacer | |
| 83 | Cardinal XL Edge Spacer | |

REFERENCE TEST REPORTS: FTL-8717, 8968 & 8970




**PRODUCT RENEWED**
**as complying with the Florida Building Code**
**NOA–No.** 22–0608.03
**Expiration Date** 10/18/2027
**By** Ishwar I. Chanda
**Miami–Dade Product Control**

PRODUCT REVISED
as complying with the Florida Building Code
Acceptance No. 20-0427.01
Expiration Date 10/18/22
By Ishwar I. Chanda
Miami-Dade Product Control

| Revision |
|---|
| H) ADDED BACKBEDDING. - AK - 04/15/20 |

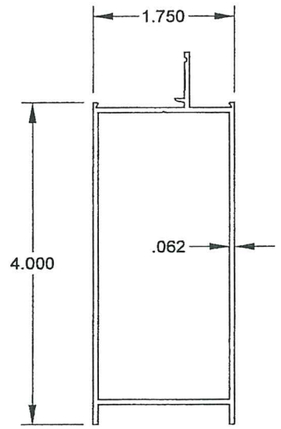

1070 TECHNOLOGY DRIVE
N. VENICE, FL 34275
(941)-480-1600


PGT® REGISTRATION #29296

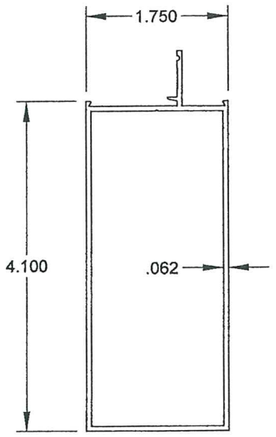
| Title | Desc. | Series |
|---|---|---|
| ALUM. FRENCH DOOR & SIDE LITES, LM | BOM AND SPACER DETAILS | FD-101 LM |

| Date | Drawn By | DWG No. | Sheet | Scale | Rev. |
|---|---|---|---|---|---|
| 04/04/12 | JENS ROSOWSKI | 11005-1 | 5 OF 15 | NTS | H |

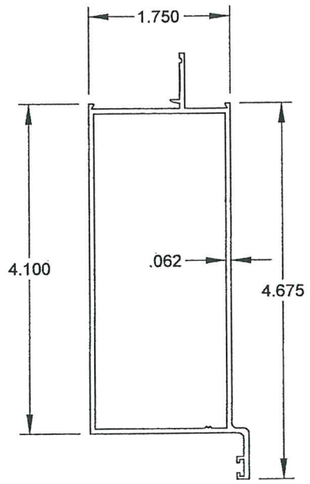
ANTHONY LYNN MILLER LICENSE No. 58705 STATE OF FLORIDA PROFESSIONAL ENGINEER
4/20/20
A. LYNN MILLER, P.E.
P.E.# 58705



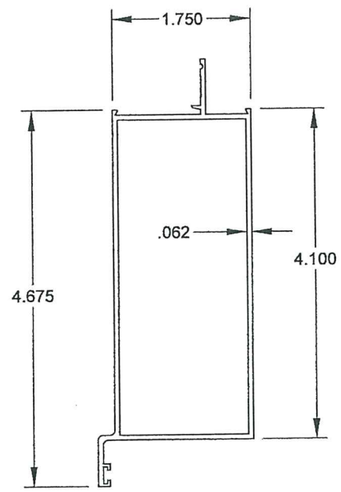

30 DOOR PANEL
TOP & BOTTOM RAIL
6063-T5



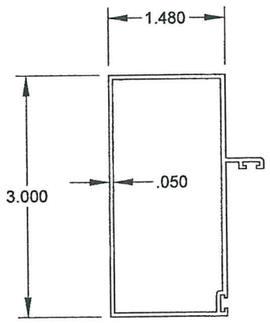

31 DOOR PANEL
SIDE RAIL
6063-T5



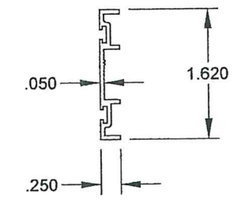

44 DOOR PANEL
INTERIOR ASTRAGAL
6063-T5



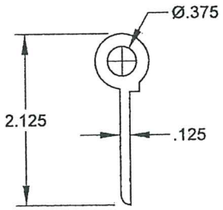

45 DOOR PANEL
EXTERIOR ASTRAGAL
6063-T5



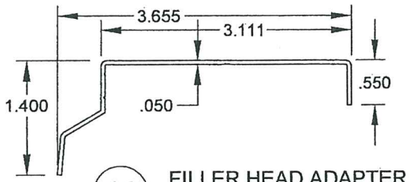

20 DOOR FRAME
JAMB
6063-T6



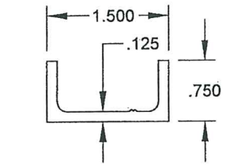

37 WEATHER
STRIP CHANNEL
6063-T5



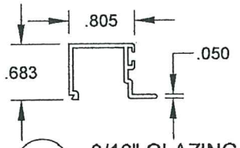

32 HINGE
6063-T5



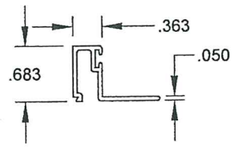

10 FILLER HEAD ADAPTER
6063-T6



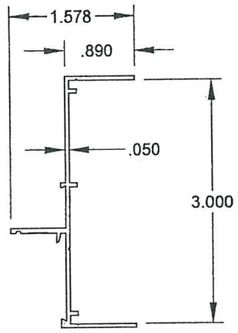

34 TRUSS CLAMP
6063-T5



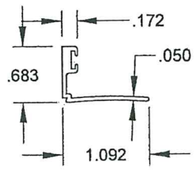

74 3/16" GLAZING BEAD
6063-T5



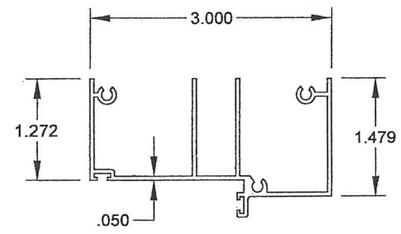

76 5/8" GLAZING BEAD
6063-T5



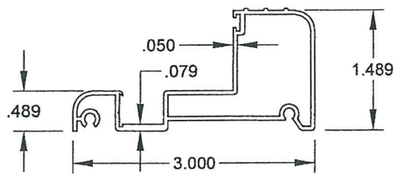

62 SL JAMB
6063-T6



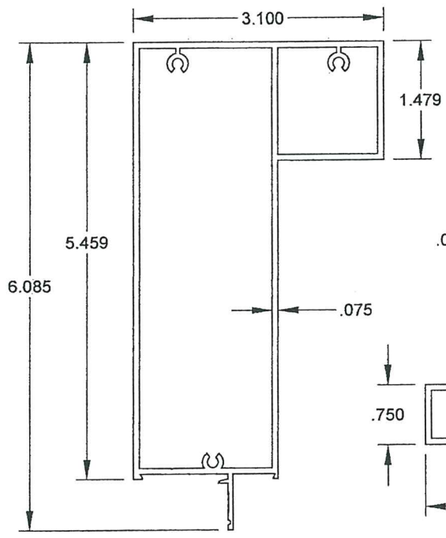

74 IG GLAZING BEAD
6063-T5



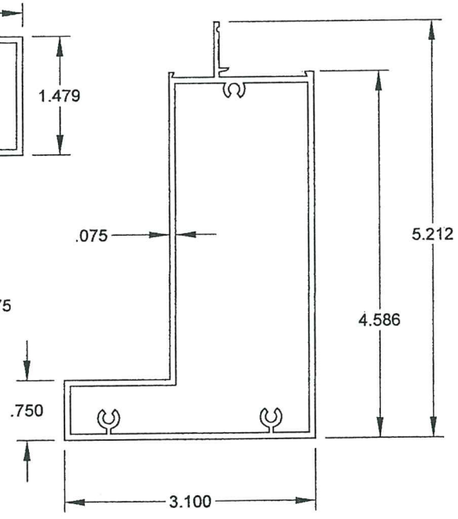

1 FRAME HEAD
6063-T6



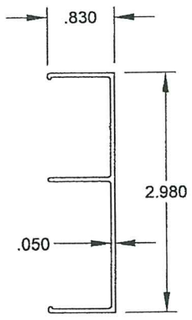

11 OUTSWING THRESHOLD
6063-T6



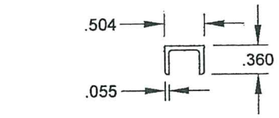

60 SL HEADER
6063-T6



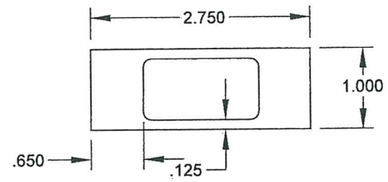

61 SL SILL
6063-T6




66 SL JAMB
ADAPTER
6063-T6




13 OUTSWING THRESHOLD
CHANNEL COVER
6063-T6




22 TUBE MULL
6063-T6

**PRODUCT RENEWED**
**as complying with the Florida Building Code**
**NOA–No.** 22–0608.03
**Expiration Date** 10/18/2027
**By** Ishaq I. Chanda
**Miami–Dade Product Control**

PRODUCT REVISED
as complying with the Florida Building Code
Acceptance No. 20-0427.01
Expiration Date 10/18/22
By Ishaq I. Chanda
Miami-Dade Product Control

| Revision |
|---|
| H) CORRECTED TUBE MULL TEMPER.<br>- AK - 04/15/20 |

PGT® REGISTRATION #29296

1070 TECHNOLOGY DRIVE
N. VENICE, FL 34275
(941)-480-1600

| Series | Desc. | Title |
|---|---|---|
| | EXTRUSIONS | ALUM. FRENCH DOOR & SIDE LITES, LM |

| Rev. | Date | Drawn By | DWG No. | Sheet | Scale |
|---|---|---|---|---|---|
| H | 04/04/12 | JENS ROSOWSKI | 11005-1 | 6 OF 15 | NTS |

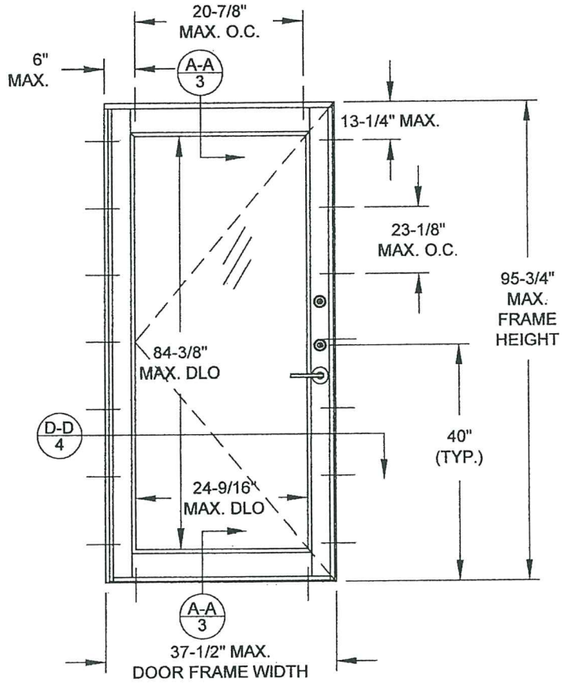
FD-101 LM

ANTHONY LYNN MILLER
LICENSE
No. 58705
4/20/20
STATE OF FLORIDA
PROFESSIONAL ENGINEER

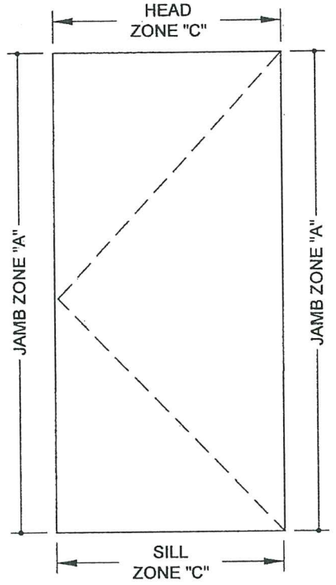
A. LYNN MILLER, P.E.
P.E.# 58705

TABLE 5:

| X DOORS, ALL GLASS TYPES | | | | | |
|---|---|---|---|---|---|
| ANCHOR TYPE & SUBSTRATE | | 2, 3, WOOD 3 ALUM | | 1,2, CONC | |
| | | LOAD ZONES | | | |
| MAX DOOR FRAME WIDTH | MAX FRAME HEIGHT | X - JAMB "A" | X - HEAD/SILL "C" | X - JAMB "A" | X - HEAD/SILL "C" |
| 25.50 | 79.75 | 5 | 2 | 4 | 2 |
| | 83.75 | 5 | 2 | 4 | 2 |
| | 87.75 | 5 | 2 | 4 | 2 |
| | 91.75 | 5 | 2 | 4 | 2 |
| | 95.75 | 6 | 2 | 4 | 2 |
| 27.50 | 79.75 | 5 | 2 | 4 | 2 |
| | 83.75 | 5 | 2 | 4 | 2 |
| | 87.75 | 5 | 2 | 4 | 2 |
| | 91.75 | 6 | 2 | 4 | 2 |
| | 95.75 | 6 | 2 | 4 | 2 |
| 29.50 | 79.75 | 5 | 2 | 4 | 2 |
| | 83.75 | 5 | 2 | 4 | 2 |
| | 87.75 | 6 | 2 | 4 | 2 |
| | 91.75 | 6 | 2 | 4 | 2 |
| | 95.75 | 6 | 2 | 4 | 2 |
| 31.50 | 79.75 | 5 | 2 | 4 | 2 |
| | 83.75 | 6 | 2 | 4 | 2 |
| | 87.75 | 6 | 2 | 4 | 2 |
| | 91.75 | 6 | 2 | 4 | 2 |
| | 95.75 | 7 | 2 | 4 | 2 |
| 33.50 | 79.75 | 6 | 3 | 4 | 3 |
| | 83.75 | 6 | 3 | 4 | 3 |
| | 87.75 | 6 | 3 | 4 | 3 |
| | 91.75 | 7 | 3 | 4 | 3 |
| | 95.75 | 7 | 3 | 4 | 3 |
| 35.50 | 79.75 | 6 | 3 | 4 | 3 |
| | 83.75 | 6 | 3 | 4 | 3 |
| | 87.75 | 6 | 3 | 4 | 3 |
| | 91.75 | 7 | 3 | 4 | 3 |
| | 95.75 | 7 | 3 | 4 | 3 |
| 37.50 | 79.75 | 6 | 3 | 4 | 3 |
| | 83.75 | 6 | 3 | 4 | 3 |
| | 87.75 | 7 | 3 | 4 | 3 |
| | 91.75 | 7 | 3 | 4 | 3 |
| | 95.75 | 7 | 3 | 4 | 3 |




TYP. DIMENSIONS OF SINGLE DOOR, X




LOAD ZONES FOR SINGLE DOOR, X

NOTES:

1) SEE SHEET 1 FOR GLASS AND ANCHOR TYPE DESCRIPTIONS.

2) DOORS MAY BE LEFT OR RIGHT-HANDED.

3) ANCHOR QUANTITIES ARE BASED ON SPACING AS FOLLOWS (4" MIN. O.C. FOR CONCRETE, 4" MIN. O.C. FOR CMU):
JAMBS (ALL): 13-1/4" MAX. FROM CORNERS AND 23-1/8" MAX. O.C.
HEAD & SILL OF DOORS: 6" MAX. FROM CORNERS, 9" MAX. FROM ASTRAGAL CENTERS AND 20-7/8" MAX. O.C.

4) FOR SIZES NOT SHOWN, ROUND UP TO THE NEXT AVAILABLE SIZE.

5) FOR ANCHORAGE INSTALLATION DETAILS SEE SHEET 14.

**Design Pressure**
See Sheet 2, Table 1

**PRODUCT RENEWED**
**as complying with the Florida Building Code**
**NOA-No.** 22-0608.03
**Expiration Date** 10/18/2027
**By** Ishaq I. Chanda
**Miami-Dade Product Control**

PRODUCT REVIEWED
as complying with the Florida Building Code
Acceptance No 20-0427.01
Expiration Date 10/18/22
By Ishaq I. Chanda
Miami-Dade Product Control

Revision
H) NO CHANGES THIS SHEET. - AK - 04/15/20

1070 TECHNOLOGY DRIVE
N. VENICE, FL 34275
(941)-480-1600

REGISTRATION #29296

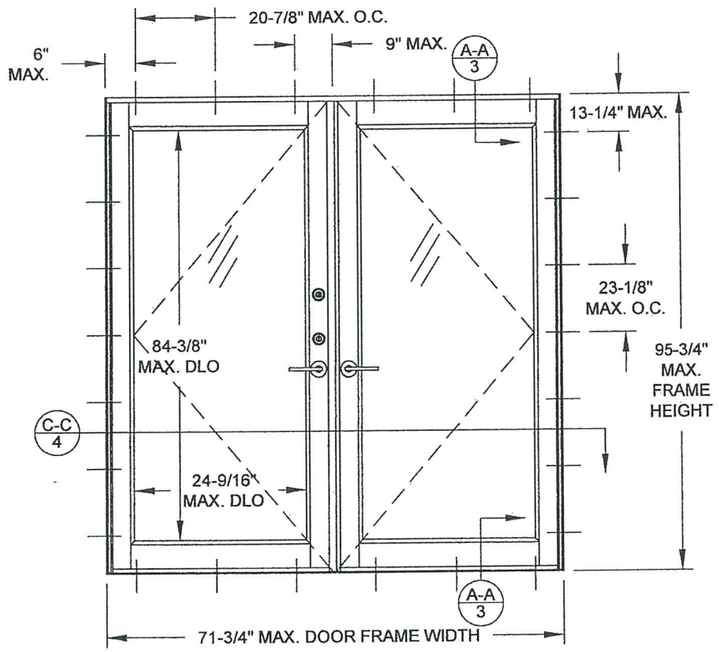
| Title | Date | Rev. |
|---|---|---|
| ALUM. FRENCH DOOR & SIDE LITES, LM | 04/04/12 | H |
| **Desc.** | **Drawn By** | **DWG No.** |
| X DETAILS | JENS ROSOWSKI | 11005-1 |
| **Series** | **Scale** | **Sheet** |
| FD-101 LM | NTS | 7 OF 15 |

ANTHONY LYNN MILLER
LICENSE
No. 58705
STATE OF FLORIDA
PROFESSIONAL ENGINEER
4/20/20

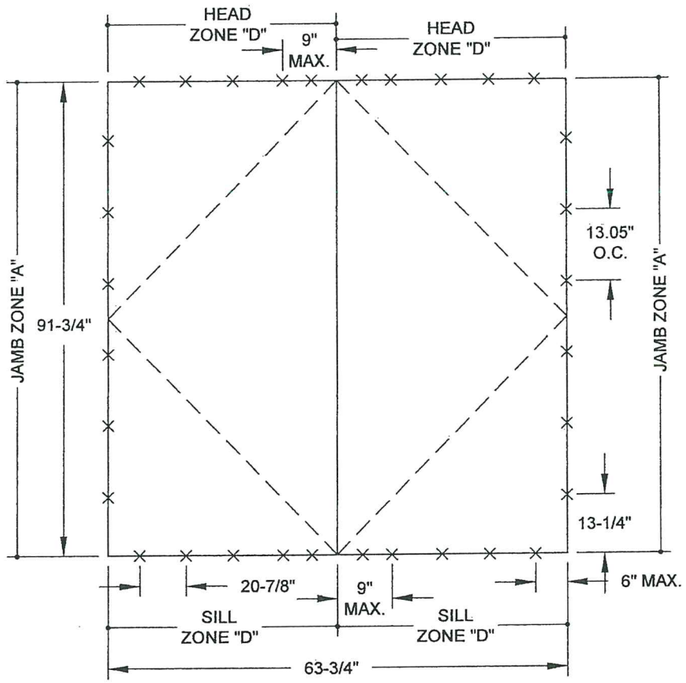
A. LYNN MILLER, P.E.
P.E.# 58705

TABLE 6:

| XX DOORS, ALL GLASS TYPES | | | | | |
|---|---|---|---|---|---|
| ANCHOR TYPE & SUBSTRATE | | 2, 3, WOOD 3 ALUM | | 1,2, CONC | |
| | | LOAD ZONES | | | |
| MAX. DOOR FRAME WIDTH | MAX. FRAME HEIGHT | XX - JAMB "A" | XX - HEAD/SILL "D" | XX - JAMB "A" | XX - HEAD/SILL "D" |
| 47.75 | 79.75 | 4 | 3 | 4 | 2 |
| | 83.75 | 5 | 4 | 4 | 2 |
| | 87.75 | 5 | 4 | 4 | 2 |
| | 91.75 | 5 | 4 | 4 | 2 |
| | 95.75 | 5 | 4 | 4 | 2 |
| 51.75 | 79.75 | 5 | 4 | 4 | 2 |
| | 83.75 | 5 | 4 | 4 | 2 |
| | 87.75 | 5 | 4 | 4 | 2 |
| | 91.75 | 5 | 4 | 4 | 2 |
| | 95.75 | 6 | 4 | 4 | 3 |
| 55.75 | 79.75 | 5 | 4 | 4 | 2 |
| | 83.75 | 5 | 4 | 4 | 2 |
| | 87.75 | 5 | 4 | 4 | 2 |
| | 91.75 | 6 | 4 | 4 | 3 |
| | 95.75 | 6 | 4 | 4 | 3 |
| 59.75 | 79.75 | 5 | 5 | 4 | 2 |
| | 83.75 | 5 | 5 | 4 | 2 |
| | 87.75 | 6 | 5 | 4 | 3 |
| | 91.75 | 6 | 5 | 4 | 3 |
| | 95.75 | 6 | 5 | 4 | 3 |
| 63.75 | 79.75 | 5 | 5 | 4 | 2 |
| | 83.75 | 6 | 5 | 4 | 3 |
| | 87.75 | 6 | 5 | 4 | 3 |
| | 91.75 | (6) | (5) | 4 | 3 |
| | 95.75 | 7 | 6 | 4 | 3 |
| 67.75 | 79.75 | 6 | 5 | 4 | 3 |
| | 83.75 | 6 | 5 | 4 | 3 |
| | 87.75 | 6 | 5 | 4 | 3 |
| | 91.75 | 7 | 6 | 4 | 3 |
| | 95.75 | 7 | 6 | 4 | 3 |
| 71.75 | 79.75 | 6 | 5 | 4 | 3 |
| | 83.75 | 6 | 5 | 4 | 3 |
| | 87.75 | 6 | 5 | 4 | 3 |
| | 91.75 | 7 | 6 | 4 | 3 |
| | 95.75 | 7 | 6 | 4 | 3 |




TYP. ELEVATION OF XX CONFIGURATION




LOAD ZONES FOR XX CONFIGURATION & ANCHORAGE LAYOUT USED IN EXAMPLE

**Design Pressure**

See Sheet 2, Table 1

NOTES:

1) SEE SHEET 1 FOR GLASS AND ANCHOR TYPE DESCRIPTIONS.

2) DOORS MAY BE LEFT OR RIGHT-HANDED.

3) ANCHOR QUANTITIES ARE BASED ON SPACING AS FOLLOWS (4" MIN. O.C. FOR CONCRETE, 4" MIN. O.C. FOR CMU):
JAMBS (ALL): 13-1/4" MAX. FROM CORNERS AND 23-1/8" MAX. O.C.
HEAD & SILL OF DOORS: 6" MAX. FROM CORNERS, 9" MAX. FROM ASTRAGAL CENTERS AND 20-7/8" MAX. O.C.

4) FOR SIZES NOT SHOWN, ROUND UP TO THE NEXT AVAILABLE SIZE.

5) FOR ANCHORAGE DETAILS SEE SHEET 14.

EXAMPLE:
XX WITH GLASS TYPE A,
63-3/4" WIDE X 91-3/4" HIGH DOUBLE DOOR,
ANCHOR TYPE 3 INTO WOOD
DESIGN PRESSURE = +75 / -75 PSF,
SEE EXAMPLE 6, SHEET 2 FOR DP EXAMPLE

DOOR ANCHOR REQUIREMENTS FROM TABLE 6:
6 ANCHORS @ EACH JAMB
5 ANCHORS EACH DOOR PANEL @ HEAD
5 ANCHORS EACH DOOR PANEL @ SILL

(6) SEE CIRCLED VALUES ON TABLE 6.

× = DENOTES ANCHOR LOCATION.

**PRODUCT RENEWED**
**as complying with the Florida Building Code**
**NOA–No.** 22–0608.03
**Expiration Date** 10/18/2027
**By** Ishaq I. Chanda
**Miami–Dade Product Control**

PRODUCT REVISED
as complying with the Florida Building Code
Acceptance No. 20-0427.01
Expiration Date 10/18/22
By Ishaq I. Chanda
Miami-Dade Product Control

| Revision |
|---|
| H) NO CHANGES THIS SHEET. - AK - 04/15/20 |


1070 TECHNOLOGY DRIVE
N. VENICE, FL 34275
(941)-480-1600


REGISTRATION #29296

| Series | Desc. Title | Scale | Sheet | DWG No. | Drawn By | Date | Rev. |
|---|---|---|---|---|---|---|---|
| FD-101 LM | ALUM. FRENCH DOOR & SIDE LITES, LM | NTS | 8 OF 15 | 11005-1 | JENS ROSOWSKI | 04/04/12 | H |
| | XX DETAILS | | | | | | |

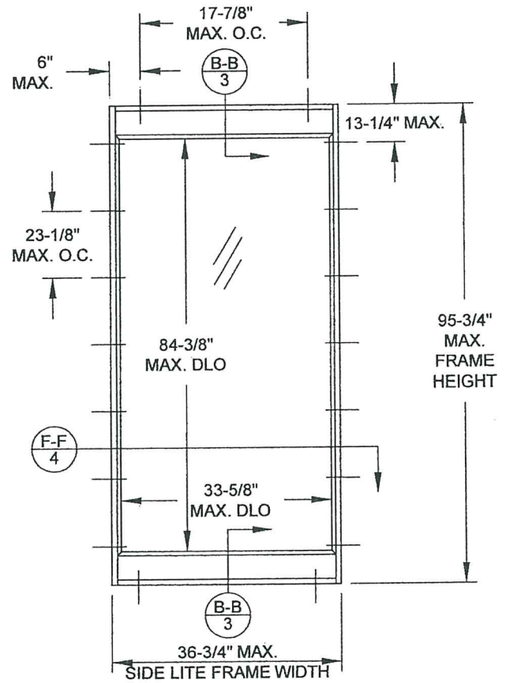
ANTHONY LYNN MILLER LICENSE No. 58705 STATE OF FLORIDA PROFESSIONAL ENGINEER
4/20/20

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

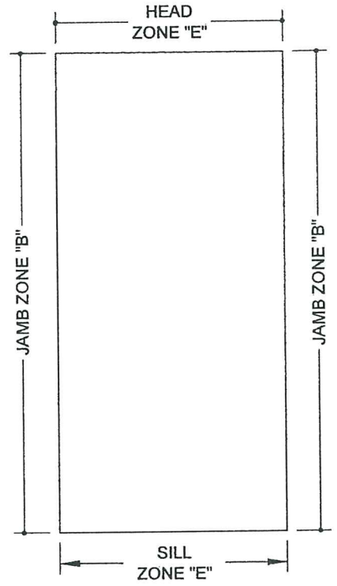
TABLE 7:

## O SIDE LITE, ALL GLASS TYPES

| ANCHOR TYPE & SUBSTRATE | | 2, 3, WOOD 3 ALUM | | 1,2, CONC | |
|---|---|---|---|---|---|
| | | LOAD ZONES | | | |
| MAX. SIDE LITE FRAME WIDTH | MAX. FRAME HEIGHT | O - JAMB "B" | O - HEAD/SILL "E" | O - JAMB "B" | O - HEAD/SILL "E" |
| 10.75 | 79.75 | 4 | 1 | 4 | 1 |
| | 83.75 | 4 | 1 | 4 | 1 |
| | 87.75 | 4 | 1 | 4 | 1 |
| | 91.75 | 4 | 1 | 4 | 1 |
| | 95.75 | 4 | 1 | 4 | 1 |
| 12.75 | 79.75 | 4 | 2 | 4 | 2 |
| | 83.75 | 4 | 2 | 4 | 2 |
| | 87.75 | 4 | 2 | 4 | 2 |
| | 91.75 | 4 | 2 | 4 | 2 |
| | 95.75 | 4 | 2 | 4 | 2 |
| 19.00 | 79.75 | 4 | 2 | 4 | 2 |
| | 83.75 | 4 | 2 | 4 | 2 |
| | 87.75 | 4 | 2 | 4 | 2 |
| | 91.75 | 4 | 2 | 4 | 2 |
| | 95.75 | 4 | 2 | 4 | 2 |
| 21.75 | 79.75 | 4 | 2 | 4 | 2 |
| | 83.75 | 4 | 2 | 4 | 2 |
| | 87.75 | 4 | 2 | 4 | 2 |
| | 91.75 | 5 | 2 | 4 | 2 |
| | 95.75 | 5 | 2 | 4 | 2 |
| 27.75 | 79.75 | 5 | 2 | 4 | 2 |
| | 83.75 | 5 | 2 | 4 | 2 |
| | 87.75 | 5 | 2 | 4 | 2 |
| | 91.75 | 6 | 2 | 4 | 2 |
| | 95.75 | 6 | 2 | 4 | 2 |
| 36.13 | 79.75 | 6 | 3 | 4 | 3 |
| | 83.75 | 6 | 3 | 4 | 3 |
| | 87.75 | 7 | 3 | 4 | 3 |
| | 91.75 | 7 | 3 | 4 | 3 |
| | 95.75 | 7 | 3 | 4 | 3 |
| 36.75 | 79.75 | 6 | 3 | 4 | 3 |
| | 83.75 | 6 | 3 | 4 | 3 |
| | 87.75 | 7 | 3 | 4 | 3 |
| | 91.75 | 7 | 3 | 4 | 3 |
| | 95.75 | 7 | 3 | 4 | 3 |




TYP. ELEVATION OF SINGLE SIDELITE, O




LOAD ZONES FOR SINGLE SIDELITE, O

**Design Pressure**

See Sheet 2, Table 2

**PRODUCT RENEWED**
**as complying with the Florida Building Code**
**NOA-No.** 22-0608.03
**Expiration Date** 10/18/2027
**By** Ishaq I. Chanda
**Miami-Dade Product Control**

PRODUCT REVISED
as complying with the Florida Building Code
Acceptance No. 20-0427.01
Expiration Date 10/18/27
By Ishaq I. Chanda
Miami-Dade Product Control

| Revision |
|---|
| H) NO CHANGES THIS SHEET. - AK - 04/15/20 |

1070 TECHNOLOGY DRIVE
N. VENICE, FL 34275
(941)-480-1600

REGISTRATION #29296

| Rev. | Date | Drawn By | DWG No. | Sheet | Scale | Series |
|---|---|---|---|---|---|---|
| H | 04/04/12 | JENS ROSOWSKI | 11005-1 | 9 OF 15 | NTS | FD-101 LM |

Title: ALUM. FRENCH DOOR & SIDE LITES, LM
Desc.: O DETAILS

NOTES:

1) SEE SHEET 1 FOR GLASS AND ANCHOR TYPE DESCRIPTIONS.

2) ANCHOR QUANTITIES ARE BASED ON SPACING AS FOLLOWS (4" MIN. O.C. FOR CONCRETE, 4" MIN. O.C. FOR CMU):
JAMBS (ALL): 13-1/4" MAX. FROM CORNERS AND 23-1/8" MAX. O.C.
HEAD & SILL OF SIDE LITES: 6" MAX. FROM CORNERS AND 24-3/4" MAX. O.C.

3) FOR SIZES NOT SHOWN, ROUND UP TO THE NEXT AVAILABLE SIZE.

4) FOR ANCHORAGE INSTALLATION DETAILS SEE SHEET 15.

ANTHONY LYNN MILLER
LICENSE
No. 58705
STATE OF FLORIDA
PROFESSIONAL ENGINEER
4/20/20

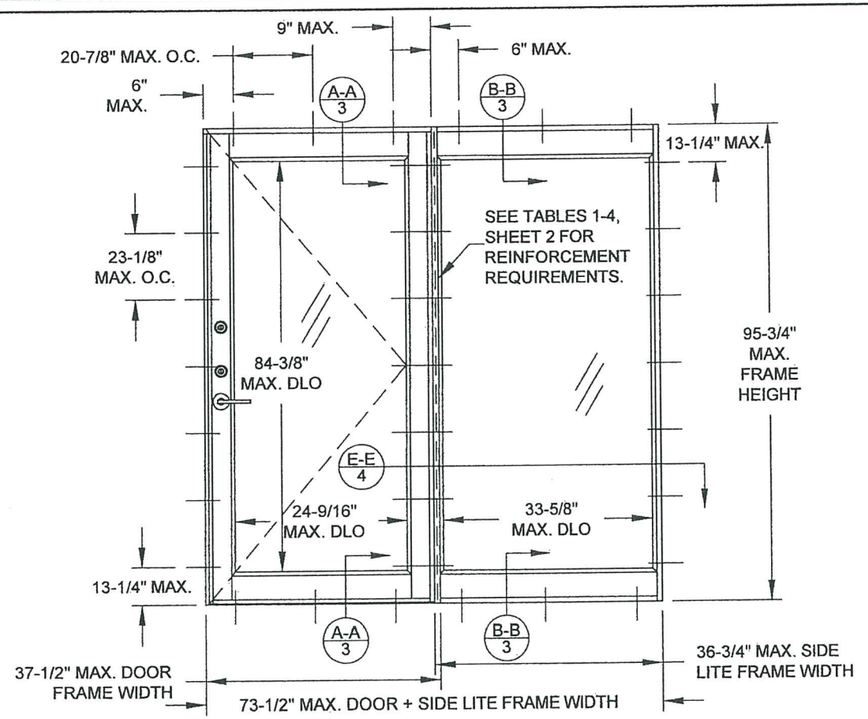
A. LYNN MILLER, P.E.
P.E.# 58705

TABLE 8:

## XO & OX, ALL GLASS TYPES

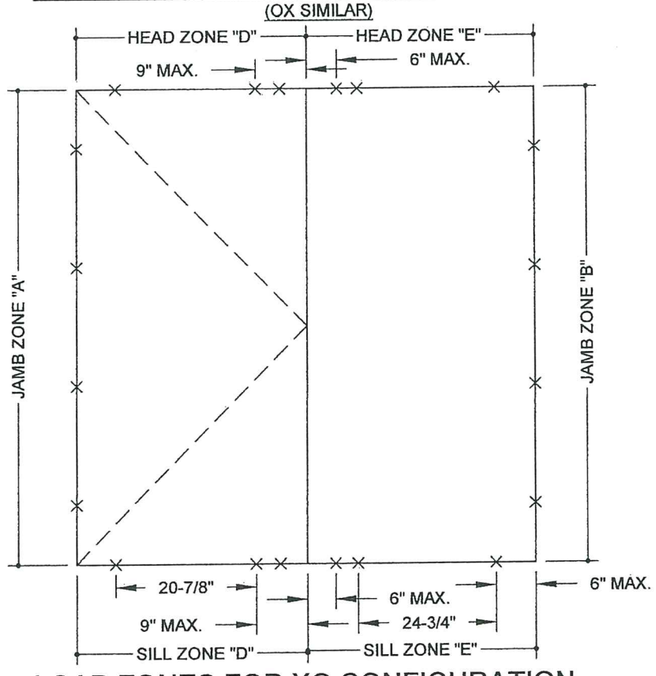
| ANCHOR TYPE & SUBSTRATE | | | 2, 3, WOOD 3 ALUM | | | | 1,2, CONC | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| | | | LOAD ZONES | | | | | | | |
| MAX. SIDE LITE FRAME WIDTH | MAX 'X' DOOR FRAME WIDTH | MAX. FRAME HEIGHT | O - JAMB "B" | O - HEAD/SILL "E" | X - HEAD/SILL "D" | X - JAMB "A" | O - JAMB "B" | O - HEAD/SILL "E" | X - HEAD/SILL "D" | X - JAMB "A" |
| 10.75 | 25.50 | 79.75 | 4 | 2 | 3 | 5 | 4 | 2 | 2 | 4 |
| | | 83.75 | 4 | 2 | 4 | 5 | 4 | 2 | 2 | 4 |
| | | 87.75 | 4 | 2 | 4 | 5 | 4 | 2 | 2 | 4 |
| | | 91.75 | 4 | 2 | 4 | 5 | 4 | 2 | 2 | 4 |
| | | 95.75 | 4 | 2 | 4 | 6 | 4 | 2 | 2 | 4 |
| 12.75 | 27.50 | 79.75 | 4 | 2 | 4 | 5 | 4 | 2 | 2 | 4 |
| | | 83.75 | 4 | 2 | 4 | 5 | 4 | 2 | 2 | 4 |
| | | 87.75 | 4 | 2 | 4 | 5 | 4 | 2 | 2 | 4 |
| | | 91.75 | 4 | 2 | 4 | 6 | 4 | 2 | 2 | 4 |
| | | 95.75 | 4 | 2 | 4 | 6 | 4 | 2 | 3 | 4 |
| 19.00 | 29.50 | 79.75 | 4 | 3 | 4 | 5 | 4 | 2 | 2 | 4 |
| | | 83.75 | 4 | 3 | 4 | 5 | 4 | 2 | 2 | 4 |
| | | 87.75 | 4 | 3 | 4 | 6 | 4 | 2 | 2 | 4 |
| | | 91.75 | 4 | 3 | 4 | 6 | 4 | 2 | 3 | 4 |
| | | 95.75 | 4 | 3 | 4 | 6 | 4 | 2 | 3 | 4 |
| 21.75 | 31.50 | 79.75 | 4 | 3 | 5 | 5 | 4 | 2 | 2 | 4 |
| | | 83.75 | 4 | 3 | 5 | 6 | 4 | 2 | 2 | 4 |
| | | 87.75 | 4 | 3 | 5 | 6 | 4 | 2 | 3 | 4 |
| | | 91.75 | 5 | 3 | 5 | 6 | 4 | 2 | 3 | 4 |
| | | 95.75 | 5 | 3 | 5 | 7 | 4 | 2 | 3 | 4 |
| 27.75 | 33.50 | 79.75 | 5 | 3 | 5 | 6 | 4 | 2 | 2 | 4 |
| | | 83.75 | 5 | 3 | 5 | 6 | 4 | 2 | 3 | 4 |
| | | 87.75 | 5 | 3 | 5 | 6 | 4 | 2 | 3 | 4 |
| | | 91.75 | 6 | 3 | 5 | 7 | 4 | 3 | 3 | 4 |
| | | 95.75 | 6 | 3 | 6 | 7 | 4 | 3 | 3 | 4 |
| 36.13 | 35.50 | 79.75 | 6 | 4 | 5 | 6 | 4 | 3 | 3 | 4 |
| | | 83.75 | 6 | 4 | 5 | 6 | 4 | 3 | 3 | 4 |
| | | 87.75 | 7 | 5 | 5 | 6 | (4) | (3) | 3 | 4 |
| | | 91.75 | 7 | 5 | 6 | 7 | 4 | 3 | 3 | 4 |
| | | 95.75 | 7 | 5 | 6 | 7 | 4 | 3 | 3 | 4 |
| 36.75 | 37.50 | 79.75 | 6 | 4 | 5 | 6 | 4 | 3 | 3 | 4 |
| | | 83.75 | 6 | 4 | 5 | 6 | 4 | 3 | 3 | 4 |
| | | 87.75 | 7 | 5 | 5 | 7 | 4 | 3 | (3) | (4) |
| | | 91.75 | 7 | 5 | 6 | 7 | 4 | 3 | 3 | 4 |
| | | 95.75 | 7 | 5 | 6 | 7 | 4 | 3 | 3 | 4 |

ANCHOR QUANTITIES FOR THE DOOR AND SIDE LITE TO BE DETERMINED INDEPENDENTLY.




TYP. ELEVATION OF XO CONFIGURATION

(OX SIMILAR)




LOAD ZONES FOR XO CONFIGURATION & ANCHORAGE LAYOUT USED IN EXAMPLE

(OX SIMILAR)

| Design Pressure | |
|---|---|
| Reinforced: | See Sheet 2, Tables 1 & 2 |
| Unreinforced: | See Sheet 2, Tables 3 & 4 |

NOTES:

1) SEE SHEET 1 FOR GLASS AND ANCHOR TYPE DESCRIPTIONS.

2) DOORS MAY BE LEFT OR RIGHT-HANDED.

3) ANCHOR QUANTITIES ARE BASED ON SPACING AS FOLLOWS (4" MIN. O.C. FOR CONCRETE, 4" MIN. O.C. FOR CMU):
   JAMBS (ALL): 13-1/4" MAX. FROM CORNERS AND 23-1/8" MAX. O.C.
   HEAD & SILL OF DOORS: 6" MAX. FROM CORNERS, 9" MAX. FROM ASTRAGAL CENTERS AND 20-7/8" MAX. O.C.
   HEAD & SILL OF SIDE LITES: 6" MAX. FROM CORNERS AND 24-3/4" MAX. O.C.

4) FOR SIZES NOT SHOWN, ROUND UP TO THE NEXT AVAILABLE SIZE.

5) FOR ANCHORAGE INSTALLATION DETAILS SEE SHEETS 14 & 15.

6) CONFIGURATIONS WHERE THE DOOR LOCKSTILE ABUTS A SIDE LITE ARE NOT AVAILABLE WITH REINFORCEMENT.

7) SIDE LITE OVERLAPS DOOR BY 3/4" ONCE ASSEMBLED.

EXAMPLE:
XO WITH GLASS TYPE B,
36" X 84" SINGLE DOOR WITH 36" X 84" WIDE SIDE LITE,
ANCHOR TYPE 3 INTO CONC.
DOOR DESIGN PRESSURE = +75 / -75 PSF

DOOR ANCHOR REQUIREMENTS FROM TABLE 8:
4 ANCHORS @ DOOR JAMB
3 ANCHORS @ DOOR PANEL @ HEAD
3 ANCHORS @ DOOR PANEL @ SILL
4 ANCHORS @ SIDE LITE JAMB
3 ANCHORS @ SIDE LITE @ HEAD
3 ANCHORS @ SIDE LITE @ SILL

◯ SEE CIRCLED VALUES ON TABLE 8.

× = DENOTES ANCHOR LOCATION.

**PRODUCT RENEWED**
**as complying with the Florida Building Code**
**NOA–No.** 22–0608.03
**Expiration Date** 10/18/2027
**By** Ishaq I. Chanda
**Miami–Dade Product Control**

PRODUCT REVISED
as complying with the Florida Building Code
Acceptance No 20-0427.01
Expiration Date 10/18/27
By Ishaq I. Chanda
Miami-Dade Product Control

| Revision |
|---|
| H) NO CHANGES THIS SHEET. - AK - 04/15/20 |


1070 TECHNOLOGY DRIVE
N. VENICE, FL 34275
(941)-480-1600


REGISTRATION #29296

| Series | Desc. / Title | Scale | Sheet | DWG No. | Drawn By | Date | Rev. |
|---|---|---|---|---|---|---|---|
| FD-101 LM | XO & OX DETAILS<br>ALUM. FRENCH DOOR & SIDE LITES, LM | NTS | 10 OF 15 | 11005-1 | JENS ROSOWSKI | 04/04/12 | H |

ANTHONY LYNN MILLER
LICENSE
No. 58705
STATE OF FLORIDA
PROFESSIONAL ENGINEER
4/20/20

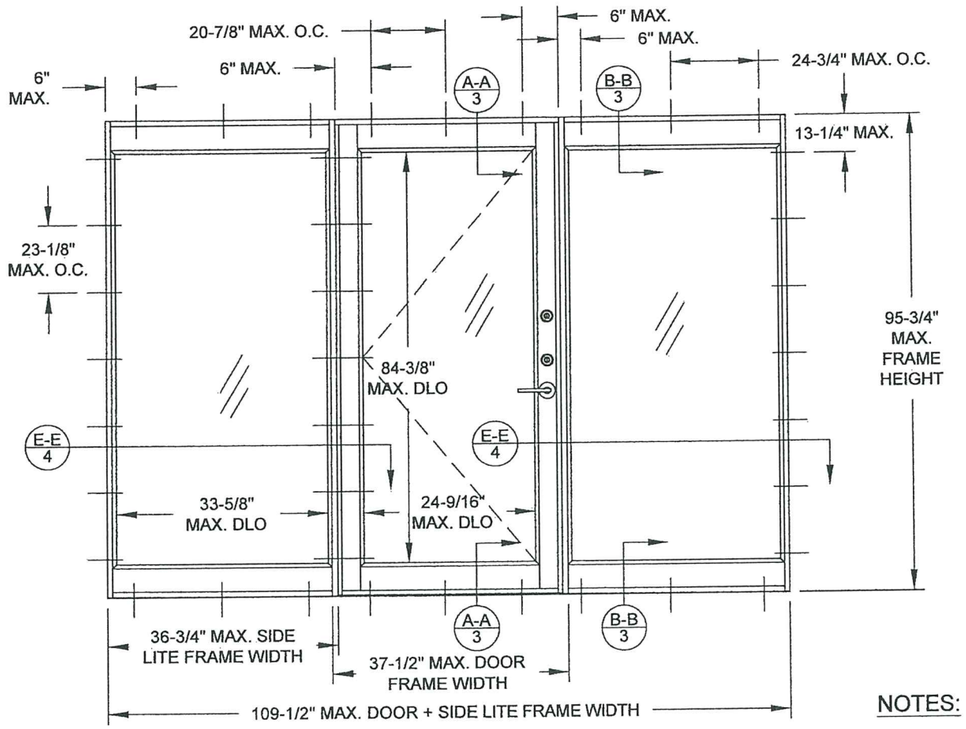
A. LYNN MILLER, P.E.
P.E.# 58705

TABLE 9:

## OXO, ALL GLASS TYPES

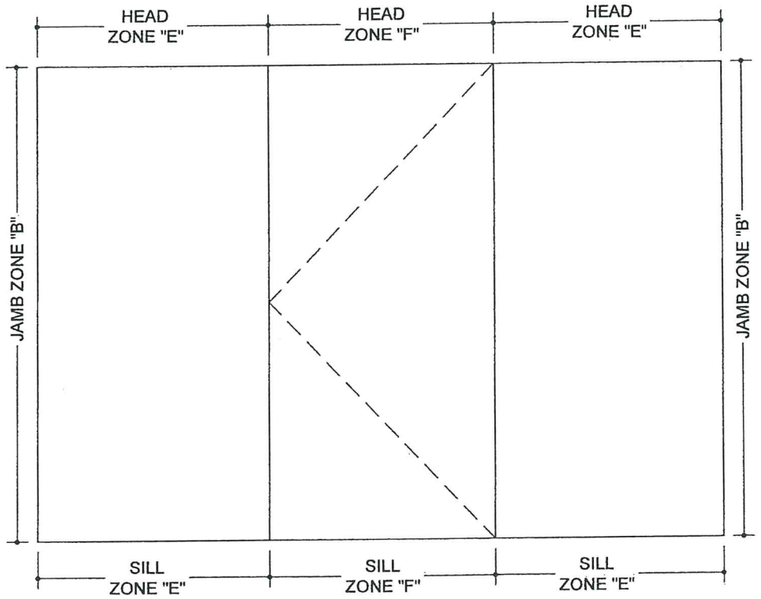
| ANCHOR TYPE & SUBSTRATE | | | 2, 3, WOOD 3 ALUM | | | 1,2, CONC | | |
|---|---|---|---|---|---|---|---|---|
| | | | LOAD ZONES | | | | | |
| MAX SIDE LITE FRAME WIDTH | MAX 'X' DOOR FRAME WIDTH | MAX FRAME HEIGHT | O - JAMB "B" | O - HEAD/SILL "E" | X - HEAD/SILL "F" | O - JAMB "B" | O - HEAD/SILL "E" | X - HEAD/SILL "F" |
| 10.75 | 25.50 | 79.75 | 4 | 2 | 7 | 4 | 2 | 3 |
| | | 83.75 | 4 | 2 | 7 | 4 | 2 | 3 |
| | | 87.75 | 4 | 2 | 7 | 4 | 2 | 3 |
| | | 91.75 | 4 | 2 | 7 | 4 | 2 | 3 |
| | | 95.75 | 4 | 2 | 7 | 4 | 2 | 3 |
| 12.75 | 27.50 | 79.75 | 4 | 2 | 7 | 4 | 2 | 3 |
| | | 83.75 | 4 | 2 | 7 | 4 | 2 | 3 |
| | | 87.75 | 4 | 2 | 7 | 4 | 2 | 3 |
| | | 91.75 | 4 | 2 | 7 | 4 | 2 | 5 |
| | | 95.75 | 4 | 2 | 7 | 4 | 2 | 5 |
| 19.00 | 29.50 | 79.75 | 4 | 3 | 8 | 4 | 2 | 3 |
| | | 83.75 | 4 | 3 | 8 | 4 | 2 | 3 |
| | | 87.75 | 4 | 3 | 8 | 4 | 2 | 5 |
| | | 91.75 | 4 | 3 | 8 | 4 | 2 | 5 |
| | | 95.75 | 4 | 3 | 8 | 4 | 2 | 5 |
| 21.75 | 31.50 | 79.75 | 4 | 3 | 8 | 4 | 2 | 3 |
| | | 83.75 | 4 | 3 | 8 | 4 | 2 | 5 |
| | | 87.75 | 4 | 3 | 8 | 4 | 2 | 5 |
| | | 91.75 | 5 | 3 | 8 | 4 | 2 | 5 |
| | | 95.75 | 5 | 3 | 10 | 4 | 2 | 5 |
| 27.75 | 33.50 | 79.75 | 5 | 3 | 8 | 4 | 2 | 3 |
| | | 83.75 | 5 | 3 | 8 | 4 | 2 | 5 |
| | | 87.75 | 5 | 3 | 8 | 4 | 2 | 5 |
| | | 91.75 | 6 | 3 | 10 | 4 | 3 | 5 |
| | | 95.75 | 6 | 3 | 10 | 4 | 3 | 5 |
| 36.13 | 35.50 | 79.75 | 6 | 4 | 8 | 4 | 3 | 5 |
| | | 83.75 | 6 | 4 | 8 | 4 | 3 | 5 |
| | | 87.75 | 7 | 5 | 8 | 4 | 3 | 5 |
| | | 91.75 | 7 | 5 | 10 | 4 | 3 | 5 |
| | | 95.75 | 7 | 5 | 10 | 4 | 3 | 5 |
| 36.75 | 37.50 | 79.75 | 6 | 4 | 8 | 4 | 3 | 5 |
| | | 83.75 | 6 | 4 | 8 | 4 | 3 | 5 |
| | | 87.75 | 7 | 5 | 10 | 4 | 3 | 5 |
| | | 91.75 | 7 | 5 | 10 | 4 | 3 | 5 |
| | | 95.75 | 7 | 5 | 10 | 4 | 3 | 5 |

ANCHOR QUANTITIES FOR THE DOOR AND SIDE LITE TO BE DETERMINED INDEPENDENTLY.




TYP. ELEVATION OF OXO CONFIGURATION

(NOT AVAILABLE WITH REINFORCEMENT)




LOAD ZONES FOR OXO CONFIGURATION

| Design Pressure | |
|---|---|
| Reinforced: | N/A |
| Unreinforced: | See Sheet 2, Tables 3 & 4 |

NOTES:

1) SEE SHEET 1 FOR GLASS AND ANCHOR TYPE DESCRIPTIONS.

2) DOORS MAY BE LEFT OR RIGHT-HANDED.

3) ANCHOR QUANTITIES ARE BASED ON SPACING AS FOLLOWS (4" MIN. O.C. FOR CONCRETE, 4" MIN. O.C. FOR CMU):
JAMBS (ALL): 13-1/4" MAX. FROM CORNERS AND 23-1/8" MAX. O.C.
HEAD & SILL OF DOORS: 6" MAX. FROM CORNERS, 9" MAX. FROM ASTRAGAL CENTERS AND 20-7/8" MAX. O.C.
HEAD & SILL OF SIDE LITES: 6" MAX. FROM CORNERS AND 24-3/4" MAX. O.C.

4) FOR SIZES NOT SHOWN, ROUND UP TO THE NEXT AVAILABLE SIZE.

5) FOR ANCHORAGE INSTALLATION DETAILS SEE SHEETS 14 & 15.

6) CONFIGURATIONS WHERE THE DOOR LOCKSTILE ABUTS A SIDE LITE ARE NOT AVAILABLE WITH REINFORCEMENT.

7) SIDE LITE OVERLAPS DOOR BY 3/4" ONCE ASSEMBLED.

**PRODUCT RENEWED**
**as complying with the Florida Building Code**
**NOA-No.** 22-0608.03
**Expiration Date** 10/18/2027
**By** Ishaq I. Chanda
**Miami-Dade Product Control**

PRODUCT REVIEWED
as complying with the Florida Building Code
Acceptance No. 20-0427.01
Expiration Date 10/18/22
By Ishaq I. Chanda
Miami-Dade Product Control

| Revision | |
|---|---|
| H | H) NO CHANGES THIS SHEET. - AK - 04/15/20 |


PGT®
REGISTRATION #29296
1070 TECHNOLOGY DRIVE
N. VENICE, FL 34275
(941)-480-1600


| Title | Desc. | Series |
|---|---|---|
| ALUM. FRENCH DOOR & SIDE LITES, LM | OXO DETAILS | FD-101 LM |

| Date | Drown By | DWG No. | Sheet | Scale | Rev. |
|---|---|---|---|---|---|
| 04/04/12 | JENS ROSOWSKI | 11005-1 | 11 OF 15 | NTS | H |

ANTHONY LYNN MILLER
LICENSE
No. 58705
STATE OF FLORIDA
PROFESSIONAL ENGINEER
4/21/20

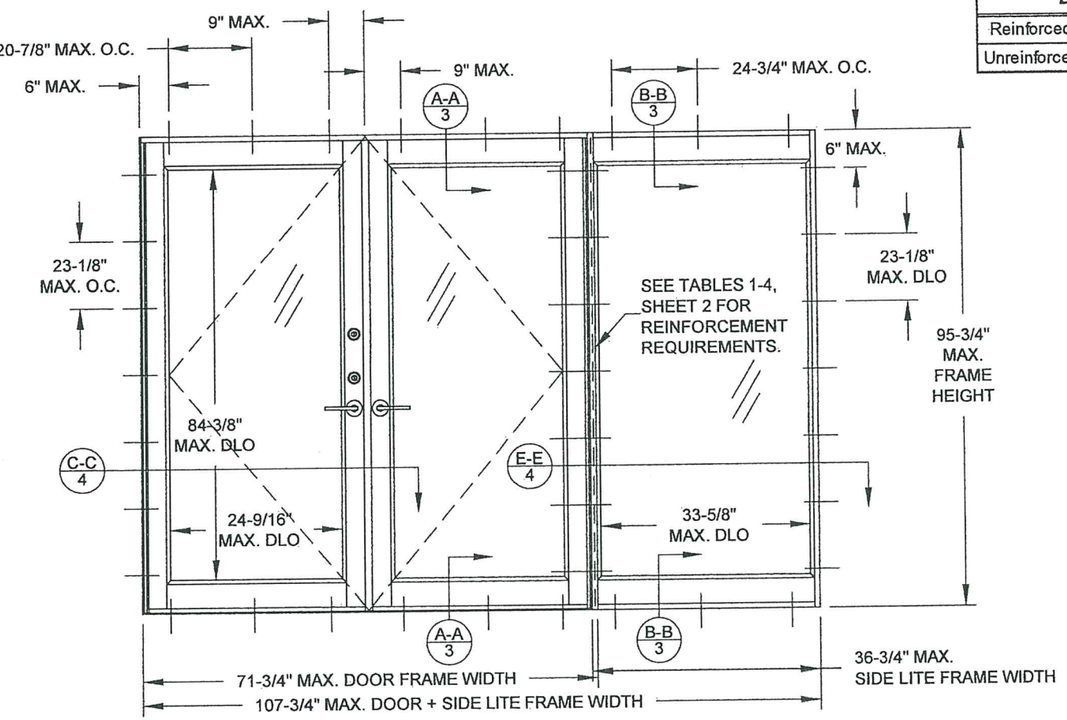
A. LYNN MILLER, P.E.
P.E.# 58705

TABLE 10:

## XXO & OXX, ALL GLASS TYPES

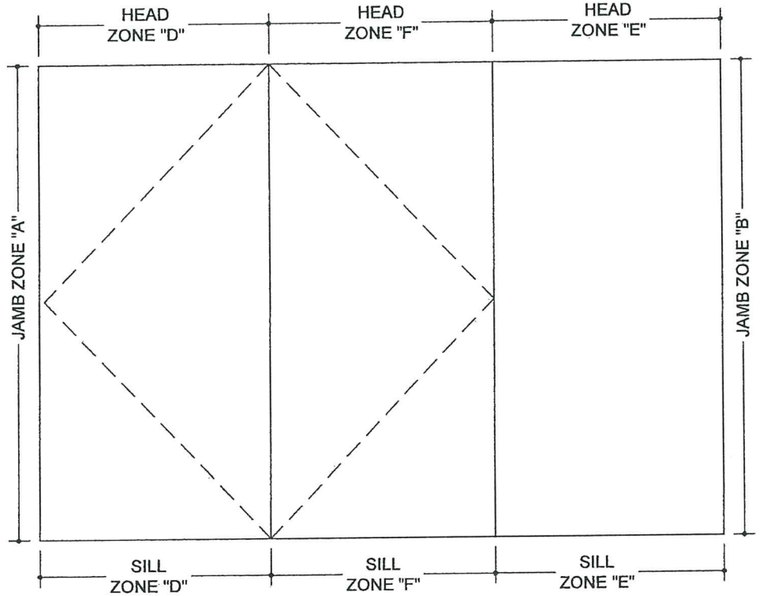
| ANCHOR TYPE & SUBSTRATE | | | 2, 3, WOOD 3 ALUM | | | | | 1,2, CONC | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | LOAD ZONES | | | | | | | | | |
| MAX. SIDE LITE FRAME WIDTH | MAX. 'XX' DOOR FRAME WIDTH | MAX. FRAME HEIGHT | O - JAMB "B" | O - HEAD/SILL "E" | XX - JAMB "A" | XX - HEAD/SILL "D" | XX - HEAD/SILL "F" | O - JAMB "B" | O - HEAD/SILL "E" | XX - JAMB "A" | XX - HEAD/SILL "D" | XX - HEAD/SILL "F" |
| 10.75 | 47.75 | 79.75 | 4 | 2 | 4 | 3 | 6 | 4 | 2 | 4 | 2 | 3 |
| | | 83.75 | 4 | 2 | 5 | 4 | 7 | 4 | 2 | 4 | 2 | 3 |
| | | 87.75 | 4 | 2 | 5 | 4 | 7 | 4 | 2 | 4 | 2 | 3 |
| | | 91.75 | 4 | 2 | 5 | 4 | 7 | 4 | 2 | 4 | 2 | 3 |
| | | 95.75 | 4 | 2 | 5 | 4 | 7 | 4 | 2 | 4 | 2 | 3 |
| 12.75 | 51.75 | 79.75 | 4 | 2 | 5 | 4 | 7 | 4 | 2 | 4 | 2 | 3 |
| | | 83.75 | 4 | 2 | 5 | 4 | 7 | 4 | 2 | 4 | 2 | 3 |
| | | 87.75 | 4 | 2 | 5 | 4 | 7 | 4 | 2 | 4 | 2 | 3 |
| | | 91.75 | 4 | 2 | 5 | 4 | 7 | 4 | 2 | 4 | 2 | 3 |
| | | 95.75 | 4 | 2 | 6 | 4 | 7 | 4 | 2 | 4 | 3 | 5 |
| 19.00 | 55.75 | 79.75 | 4 | 3 | 5 | 4 | 7 | 4 | 2 | 4 | 2 | 3 |
| | | 83.75 | 4 | 3 | 5 | 4 | 7 | 4 | 2 | 4 | 2 | 3 |
| | | 87.75 | 4 | 3 | 5 | 4 | 7 | 4 | 2 | 4 | 2 | 3 |
| | | 91.75 | 4 | 3 | 6 | 4 | 7 | 4 | 2 | 4 | 3 | 5 |
| | | 95.75 | 4 | 3 | 6 | 4 | 8 | 4 | 2 | 4 | 3 | 5 |
| 21.75 | 59.75 | 79.75 | 4 | 3 | 5 | 5 | 8 | 4 | 2 | 4 | 2 | 3 |
| | | 83.75 | 4 | 3 | 5 | 5 | 8 | 4 | 2 | 4 | 2 | 3 |
| | | 87.75 | 4 | 3 | 6 | 5 | 8 | 4 | 2 | 4 | 3 | 5 |
| | | 91.75 | 5 | 3 | 6 | 5 | 8 | 4 | 2 | 4 | 3 | 5 |
| | | 95.75 | 5 | 3 | 6 | 5 | 8 | 4 | 2 | 4 | 3 | 5 |
| 27.75 | 63.75 | 79.75 | 5 | 3 | 5 | 5 | 8 | 4 | 2 | 4 | 2 | 3 |
| | | 83.75 | 5 | 3 | 6 | 5 | 8 | 4 | 2 | 4 | 3 | 5 |
| | | 87.75 | 5 | 3 | 6 | 5 | 8 | 4 | 2 | 4 | 3 | 5 |
| | | 91.75 | 6 | 3 | 6 | 5 | 8 | 4 | 3 | 4 | 3 | 5 |
| | | 95.75 | 6 | 3 | 7 | 6 | 10 | 4 | 3 | 4 | 3 | 5 |
| 36.13 | 67.75 | 79.75 | 6 | 4 | 6 | 5 | 8 | 4 | 3 | 4 | 3 | 5 |
| | | 83.75 | 6 | 4 | 6 | 5 | 8 | 4 | 3 | 4 | 3 | 5 |
| | | 87.75 | 7 | 5 | 6 | 5 | 8 | 4 | 3 | 4 | 3 | 5 |
| | | 91.75 | 7 | 5 | 7 | 6 | 10 | 4 | 3 | 4 | 3 | 5 |
| | | 95.75 | 7 | 5 | 7 | 6 | 10 | 4 | 3 | 4 | 3 | 5 |
| 36.75 | 71.75 | 79.75 | 6 | 4 | 6 | 5 | 8 | 4 | 3 | 4 | 3 | 5 |
| | | 83.75 | 6 | 4 | 6 | 5 | 9 | 4 | 3 | 4 | 3 | 5 |
| | | 87.75 | 7 | 5 | 6 | 5 | 9 | 4 | 3 | 4 | 3 | 5 |
| | | 91.75 | 7 | 5 | 7 | 6 | 10 | 4 | 3 | 4 | 3 | 5 |
| | | 95.75 | 7 | 5 | 7 | 6 | 10 | 4 | 3 | 4 | 3 | 5 |

ANCHOR QUANTITIES FOR THE DOOR AND SIDE LITE TO BE DETERMINED INDEPENDENTLY.




TYP. ELEVATION OF XXO CONFIGURATION

(OXX SIMILAR)




LOAD ZONES FOR XXO CONFIGURATION

(OXX SIMILAR)

| Design Pressure | |
|---|---|
| Reinforced: | See Sheet 2, Tables 1 & 2 |
| Unreinforced: | See Sheet 2, Tables 3 & 4 |

NOTES:

1) SEE SHEET 1 FOR GLASS AND ANCHOR TYPE DESCRIPTIONS.

2) DOORS MAY BE LEFT OR RIGHT-HANDED.

3) ANCHOR QUANTITIES ARE BASED ON SPACING AS FOLLOWS (4" MIN. O.C. FOR CONCRETE, 4" MIN. O.C. FOR CMU):
   - JAMBS (ALL): 13-1/4" MAX. FROM CORNERS AND 23-1/8" MAX. O.C.
   - HEAD & SILL OF DOORS: 6" MAX. FROM CORNERS, 9" MAX. FROM ASTRAGAL CENTERS AND 20-7/8" MAX. O.C.
   - HEAD & SILL OF SIDE LITES: 6" MAX. FROM CORNERS AND 24-3/4" MAX. O.C.

4) FOR SIZES NOT SHOWN, ROUND UP TO THE NEXT AVAILABLE SIZE.

5) FOR ANCHORAGE INSTALLATION DETAILS SEE SHEETS 14 & 15.

6) CONFIGURATIONS WHERE THE DOOR LOCKSTILE ABUTS A SIDE LITE ARE NOT AVAILABLE WITH REINFORCEMENT.

7) SIDE LITE OVERLAPS DOOR BY 3/4" ONCE ASSEMBLED.

**PRODUCT RENEWED**
as complying with the Florida Building Code
NOA-No. 22-0608.03
Expiration Date 10/18/2027
By Ishaq I. Chanda
Miami-Dade Product Control

PRODUCT RENEWED
as complying with the Florida Building Code
Acceptance No. 20-0427.01
Expiration Date 10/18/27
By Ishaq I. Chanda
Miami-Dade Product Control

| Revision |
|---|
| H) NO CHANGES THIS SHEET. - AK - 04/15/20 |


1070 TECHNOLOGY DRIVE
N. VENICE, FL 34275
(941)-480-1600


| Series | Title | Date | Rev. |
|---|---|---|---|
| FD-101 LM | ALUM. FRENCH DOOR & SIDE LITES, LM | 04/04/12 | H |

| Scale | Desc. | Drawn By | DWG No. |
|---|---|---|---|
| NTS | XXO & OXX DETAILS | JENS ROSOWSKI | 11005-1 |

| Sheet |
|---|
| 12 OF 15 |

REGISTRATION #29296

ANTHONY LYNN MILLER LICENSE No. 58705 STATE OF FLORIDA PROFESSIONAL ENGINEER
4/20/20

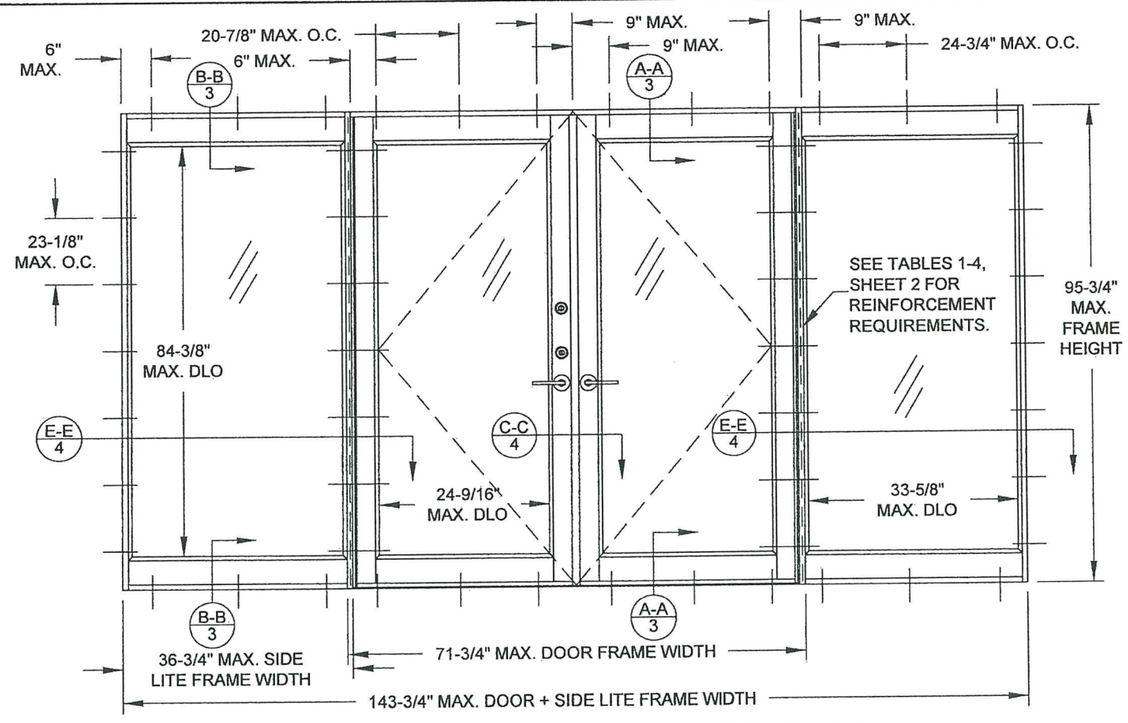
A. LYNN MILLER, P.E.
P.E.# 58705

TABLE 11:

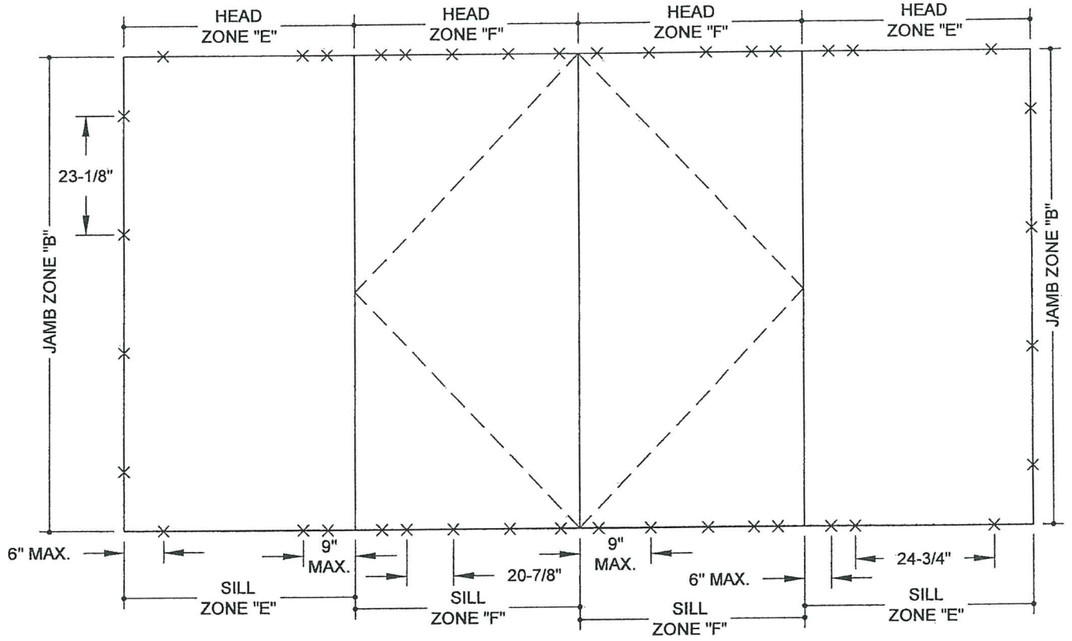
## OXXO, ALL GLASS TYPES

| ANCHOR TYPE & SUBSTRATE | | | 2, 3, WOOD 3 ALUM | | | 1,2, CONC | | |
|---|---|---|---|---|---|---|---|---|
| | | | LOAD ZONES | | | | | |
| MAX SIDE LITE FRAME WIDTH | MAX 'XX' DOOR FRAME WIDTH | MAX FRAME HEIGHT | O - JAMB "B" | O - HEAD/SILL "E" | XX - HEAD/SILL "F" | O - JAMB "B" | O - HEAD/SILL "E" | XX - HEAD/SILL "F" |
| 10.75 | 47.75 | 79.75 | 4 | 2 | 6 | 4 | 2 | 3 |
| | | 83.75 | 4 | 2 | 7 | 4 | 2 | 3 |
| | | 87.75 | 4 | 2 | 7 | 4 | 2 | 3 |
| | | 91.75 | 4 | 2 | 7 | 4 | 2 | 3 |
| | | 95.75 | 4 | 2 | 7 | 4 | 2 | 3 |
| 12.75 | 51.75 | 79.75 | 4 | 2 | 7 | 4 | 2 | 3 |
| | | 83.75 | 4 | 2 | 7 | 4 | 2 | 3 |
| | | 87.75 | 4 | 2 | 7 | 4 | 2 | 3 |
| | | 91.75 | 4 | 2 | 7 | 4 | 2 | 3 |
| | | 95.75 | 4 | 2 | 7 | 4 | 2 | 5 |
| 19.00 | 55.75 | 79.75 | 4 | 3 | 7 | 4 | 2 | 3 |
| | | 83.75 | 4 | 3 | 7 | 4 | 2 | 3 |
| | | 87.75 | 4 | 3 | 7 | 4 | 2 | 3 |
| | | 91.75 | 4 | 3 | 7 | 4 | 2 | 5 |
| | | 95.75 | 4 | 3 | 8 | 4 | 2 | 5 |
| 21.75 | 59.75 | 79.75 | 4 | 3 | 8 | 4 | 2 | 3 |
| | | 83.75 | 4 | 3 | 8 | 4 | 2 | 3 |
| | | 87.75 | 4 | 3 | 8 | 4 | 2 | 5 |
| | | 91.75 | 5 | 3 | 8 | 4 | 2 | 5 |
| | | 95.75 | 5 | 3 | 8 | 4 | 2 | 5 |
| 27.75 | 63.75 | 79.75 | 5 | 3 | 8 | 4 | 2 | 3 |
| | | 83.75 | 5 | 3 | 8 | 4 | 2 | 5 |
| | | 87.75 | 5 | 3 | 8 | 4 | 2 | 5 |
| | | 91.75 | 6 | 3 | 8 | 4 | 3 | 5 |
| | | 95.75 | 6 | 3 | 10 | 4 | 3 | 5 |
| 36.13 | 67.75 | 79.75 | 6 | 4 | 8 | 4 | 3 | 5 |
| | | 83.75 | 6 | 4 | 8 | 4 | 3 | 5 |
| | | 87.75 | 7 | 5 | 8 | 4 | 3 | 5 |
| | | 91.75 | 7 | 5 | 10 | 4 | 3 | 5 |
| | | 95.75 | 7 | 5 | 10 | 4 | 3 | 5 |
| 36.75 | 71.75 | 79.75 | 6 | 4 | 8 | 4 | 3 | 5 |
| | | 83.75 | 6 | 4 | 9 | 4 | 3 | 5 |
| | | 87.75 | 7 | 5 | 9 | 4 | 3 | 5 |
| | | 91.75 | 7 | 5 | 10 | 4 | 3 | 5 |
| | | 95.75 | 7 | 5 | 10 | 4 | 3 | 5 |

ANCHOR QUANTITIES FOR THE DOOR AND SIDE LITE TO BE DETERMINED INDEPENDENTLY.




TYP. ELEVATION OF OXXO CONFIGURATION




LOAD ZONES FOR OXXO CONFIGURATION & ANCHORAGE LAYOUT USED IN EXAMPLE

| Design Pressure | |
|---|---|
| Reinforced: | See Sheet 2, Tables 1 & 2 |
| Unreinforced: | See Sheet 2, Tables 3 & 4 |

NOTES:

1) SEE SHEET 1 FOR GLASS AND ANCHOR TYPE DESCRIPTIONS.

2) DOORS MAY BE LEFT OR RIGHT-HANDED.

3) ANCHOR QUANTITIES ARE BASED ON SPACING AS FOLLOWS (4" MIN. O.C. FOR CONCRETE, 4" MIN. O.C. FOR CMU):
JAMBS (ALL): 13-1/4" MAX. FROM CORNERS AND 23-1/8" MAX. O.C.
HEAD & SILL OF DOORS: 6" MAX. FROM CORNERS, 9" MAX. FROM ASTRAGAL CENTERS AND 20-7/8" MAX. O.C.
HEAD & SILL OF SIDE LITES: 6" MAX. FROM CORNERS AND 24-3/4" MAX. O.C.

4) FOR SIZES NOT SHOWN, ROUND UP TO THE NEXT AVAILABLE SIZE.

5) FOR ANCHORAGE INSTALLATION DETAILS SEE SHEETS 14 & 15.

6) CONFIGURATIONS WHERE THE DOOR LOCKSTILE ABUTS A SIDE LITE ARE NOT AVAILABLE WITH REINFORCEMENT.

7) SIDE LITE OVERLAPS DOOR BY 3/4" ONCE ASSEMBLED.

EXAMPLE:
OXXO WITH GLASS TYPE B,
71-3/4" WIDE X 95-3/4" HIGH DOUBLE DOOR
WITH (2) 36-3/4" X 95-3/4" SIDE LITES,
ANCHOR TYPE 2 INTO CONCRETE,
DESIGN PRESSURE = +34 / -34 PSF,
SEE EXAMPLE 4, SHEET 2 FOR DP EXAMPLE

DOOR ANCHOR REQUIREMENTS FROM TABLE 11:
4 ANCHORS @ EACH SIDE LITE JAMB
5 ANCHORS EACH DOOR PANEL @ HEAD
5 ANCHORS EACH DOOR PANEL @ SILL
3 ANCHORS EACH SIDE LITE @ HEAD
3 ANCHORS EACH SIDE LITE @ SILL

◯ SEE CIRCLED VALUES ON TABLE 11.

× = DENOTES ANCHOR LOCATION.

**PRODUCT RENEWED**
**as complying with the Florida Building Code**
**NOA-No.** 22-0608.03
**Expiration Date** 10/18/2027
**By** Ishaq I. Chanda
**Miami-Dade Product Control**

PRODUCT REVISED
as complying with the Florida Building Code
Acceptance No 20-0427.01
Expiration Date 10/18/22
By Ishaq I. Chanda
Miami-Dade Product Control

| Revision |
|---|
| H) NO CHANGES THIS SHEET. - AK - 04/15/20 |


1070 TECHNOLOGY DRIVE
N. VENICE, FL 34275
(941)-480-1600

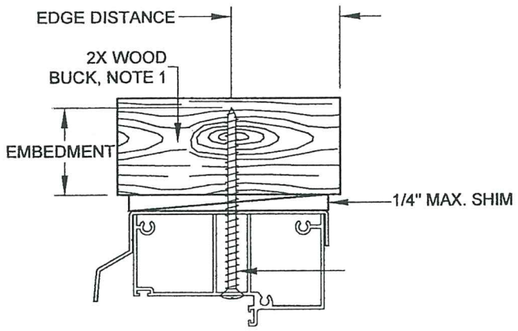

PGT® REGISTRATION #29296

| Title | Desc. | Series |
|---|---|---|
| ALUM. FRENCH DOOR & SIDE LITES, LM | OXXO DETAILS | FD-101 LM |

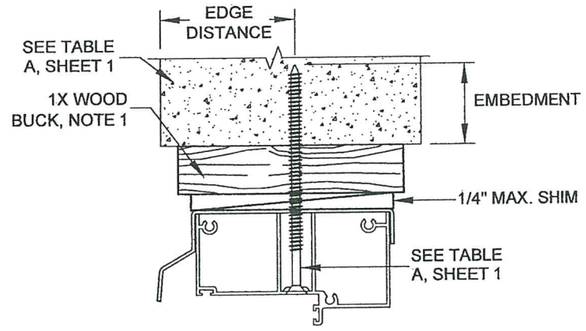
| Date | Drawn By | DWG No. | Sheet | Scale | Rev. |
|---|---|---|---|---|---|
| 04/04/12 | JENS ROSOWSKI | 11005-1 | 13 OF 15 | NTS | H |

ANTHONY LYNN MILLER
LICENSE
No. 58705
STATE OF FLORIDA
PROFESSIONAL ENGINEER
4/20/20

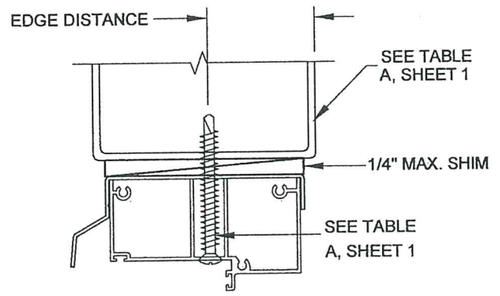
A. LYNN MILLER, P.E.
P.E.# 58705



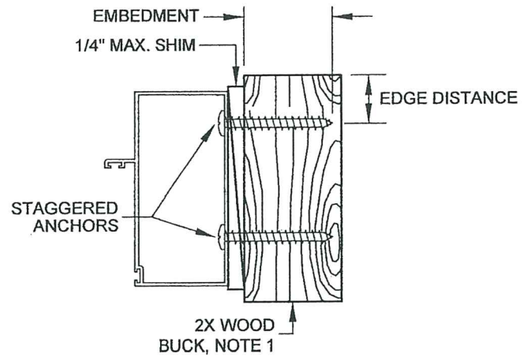

DOOR HEAD (WOOD)



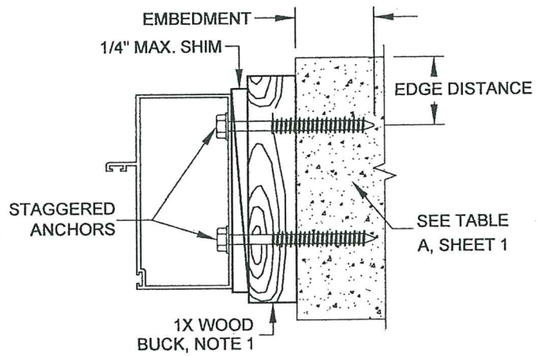

DOOR HEAD (CONC)




DOOR HEAD (ALUMINUM)




DOOR JAMB (WOOD)

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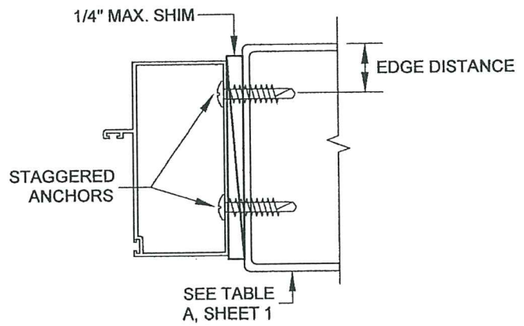
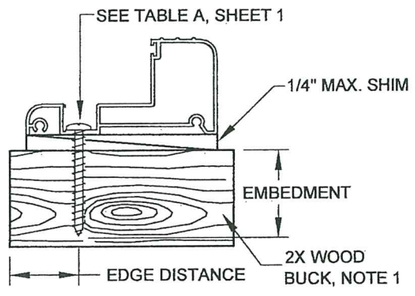
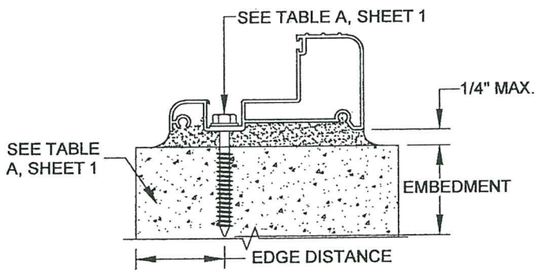


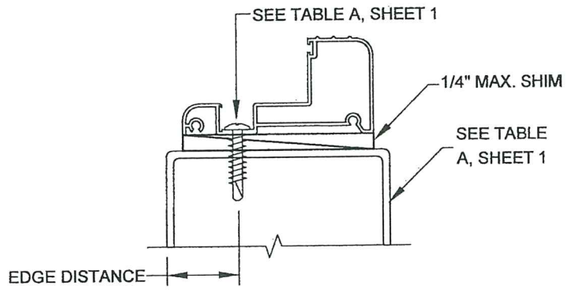

DOOR JAMB (ALUMINUM)




DOOR SILL (WOOD)




DOOR SILL (CONC)




DOOR SILL (ALUMINUM)

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 OR CMU. 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. IF SILL IS TIGHT TO SUBSTRATE, GROUT OR OTHER MATERIAL IS NOT REQUIRED. IF USED, NON-SHRINK, NON-METALLIC GROUT (3350 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. IF SUBSTRATE IS WOOD, 30# FELT PAPER OR MASTIC IS REQUIRED BETWEEN THE GROUT AND WOOD SUBSTRATE, OR AS APPROVED BY THE AUTHORITY HAVING JURISDICTION.

3. TYP. ANCHOR TYPE, EMBEDMENT & EDGE DISTANCE PER SUBSTRATE, SEE TABLE A, SHEET 1..

EXTERIOR INTERIOR
(ALL HEAD & SILL SECTIONS)

**PRODUCT RENEWED**
**as complying with the Florida Building Code**
**NOA-No.** 22-0608.03
**Expiration Date** 10/18/2027
**By** Ishaq I. Chanda
**Miami-Dade Product Control**

PRODUCT REVISED
as complying with the Florida Building Code
Acceptance No. 20-0427.01
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| Revision |
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| H) NO CHANGES THIS SHEET. - AK - 04/15/20 |


1070 TECHNOLOGY DRIVE
N. VENICE, FL 34275
(941)-480-1600
REGISTRATION #29296


| Series | Desc. / Title | Scale | Sheet | DWG No. | Drawn By | Date | Rev. |
|---|---|---|---|---|---|---|---|
| FD-101 LM | ALUM. FRENCH DOOR & SIDE LITES, LM<br>DOOR INSTALL DETAILS | NTS | 14 OF 15 | 11005-1 | JENS ROSOWSKI | 04/04/12 | H |

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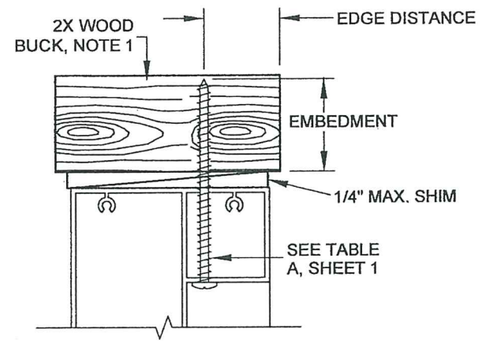
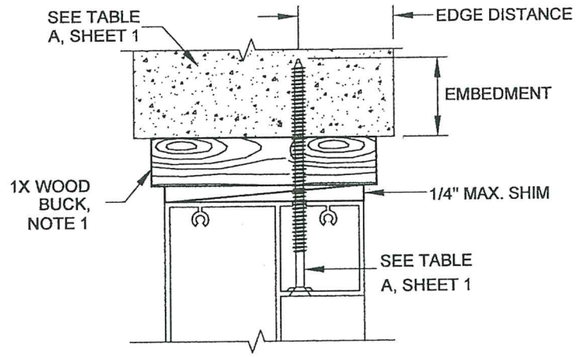
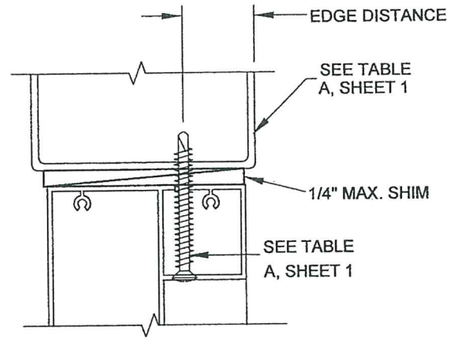
A. LYNN MILLER, P.E.
P.E.# 58705



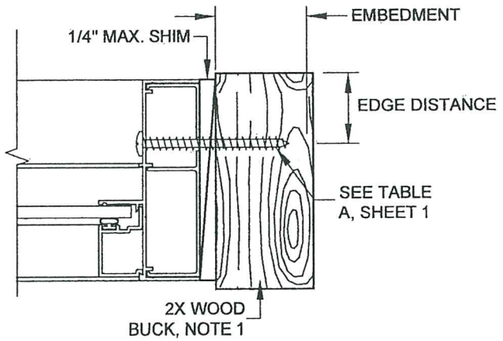

SIDE LITE HEAD (WOOD)



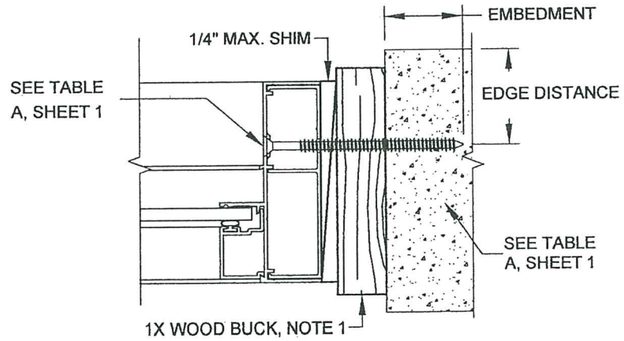

SIDE LITE HEAD (CONC)



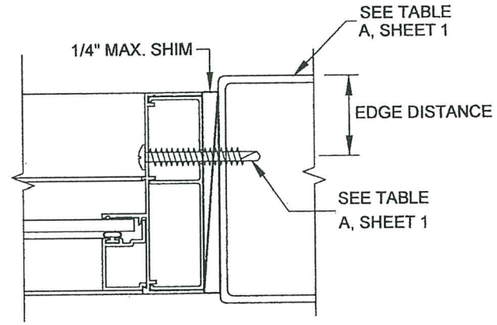

SIDE LITE HEAD (ALUMINUM)



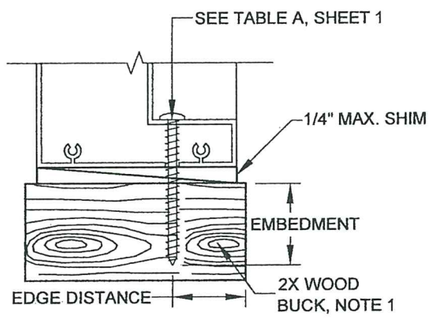

SIDE LITE JAMB (WOOD)



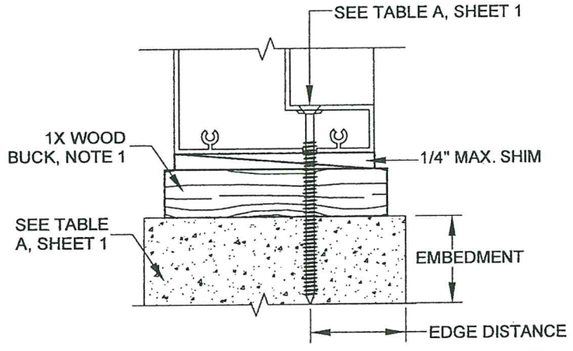

SIDE LITE JAMB (CONC)



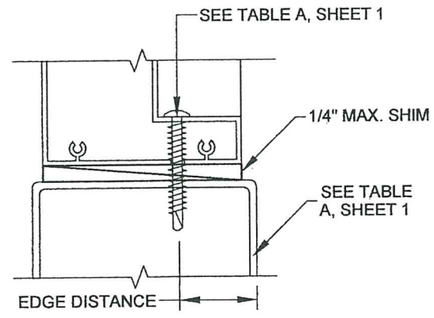

SIDE LITE JAMB (ALUMINUM)




SIDE LITE SILL (WOOD)




SIDE LITE SILL (CONC)

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**Miami–Dade Product Control**

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Miami-Dade Product Control

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1070 TECHNOLOGY DRIVE
N. VENICE, FL 34275
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REGISTRATION #29296

| Series | Title | Date | Rev. |
|---|---|---|---|
| FD-101 LM | ALUM. FRENCH DOOR & SIDE LITES, LM | 04/04/12 | H |
| Scale | Desc. | Drawn By | DWG No. |
| NTS | SIDE LITE INSTALL DETAILS | JENS ROSOWSKI | 11005-1 |
| Sheet | | | |
| 15 OF 15 | | | |

ANTHONY LYNN MILLER
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4/20/20

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