



DEPARTMENT OF REGULATORY AND ECONOMIC RESOURCES (RER)  
BOARD AND CODE ADMINISTRATION DIVISION  
**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 **revises NOA #22-0608.03** 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 **Sifang Zhao, P.E.**



08/17/2023

NOA No. 23-0724.02  
Expiration Date: October 18, 2027  
Approval Date: August 17, 2023  
Page 1

**NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED**

**1. Evidence submitted under previous NOAs**

**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 (5<sup>th</sup> Edition), prepared by PGT, signed and sealed by Lynn Miller, P.E.
2. Glazing complies w/ ASTM E-1300-02, 04 & -09.

**D. QUALITY ASSURANCE**

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



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Sifang Zhao, P.E.  
Product Control Examiner  
NOA No. 23-0724.02  
Expiration Date: October 18, 2027  
Approval Date: August 17, 2023

**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(5<sup>th</sup> 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 NOAs**

**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 (**5<sup>TH</sup>** Edition) & 2017(**6<sup>th</sup>** Edition), prepared by PGT, signed and sealed by Lynn Miller, P.E.
  2. Glazing complies w/ ASTM E-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(5<sup>th</sup> edition), FBC 2017(6<sup>th</sup> 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.



Sifang Zhao, P.E.

Product Control Examiner

NOA No. 23-0724.02

Expiration Date: October 18, 2027

Approval Date: August 17, 2023

**NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED**

**3. Evidence submitted under previous NOAs**

**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 (7<sup>th</sup> Edition), prepared by PGT, signed and sealed by Lynn Miller, P.E.
2. Glazing complies w/ ASTM E-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 (7<sup>th</sup> 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 (7<sup>th</sup> Edition), expiring 10/18/22.
2. RER Test proposals #**19-1155** dated 01/10/20 approved by Ishaq I. Chanda, P.E.



Sifang Zhao, P.E.

Product Control Examiner

NOA No. 23-0724.02

Expiration Date: October 18, 2027

Approval Date: August 17, 2023

**NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED**

**4. New Evidence Submitted**

**A. DRAWINGS**

1. Drawing No. **11005-1 Rev I**, titled “Alum. French Door & Sidelites, Impact”, sheets 1 through 15 of 15, dated 04/04/2012 and last revised on 07/19/2023, prepared by PGT Industries, signed and sealed by Anthony Lynn Miller, P. E.

**B. TESTS**

1. None.

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

1. None.

**D. QUALITY ASSURANCE**

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

**E. MATERIAL CERTIFICATIONS**

1. Notice of Acceptance No. **19-0305.02** issued to Kuraray America, Inc. (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 letter of conformance to **FBC 2020 (7<sup>th</sup> edition)** and **FBC 2023 (8<sup>th</sup> edition)**, and letter of no financial interest, prepared by PGT, dated 07/20/2023, signed and sealed by Lynn Miller, P.E.

**G. OTHER**

1. This NOA **revises** NOA #**22-0608.03**, expiring 10/18/27.



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Sifang Zhao, P.E.  
Product Control Examiner  
NOA No. 23-0724.02  
Expiration Date: October 18, 2027  
Approval Date: August 17, 2023



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).

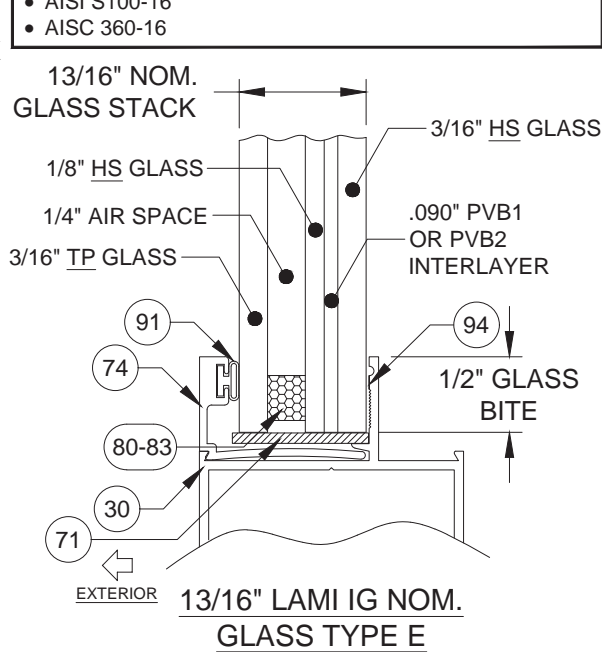
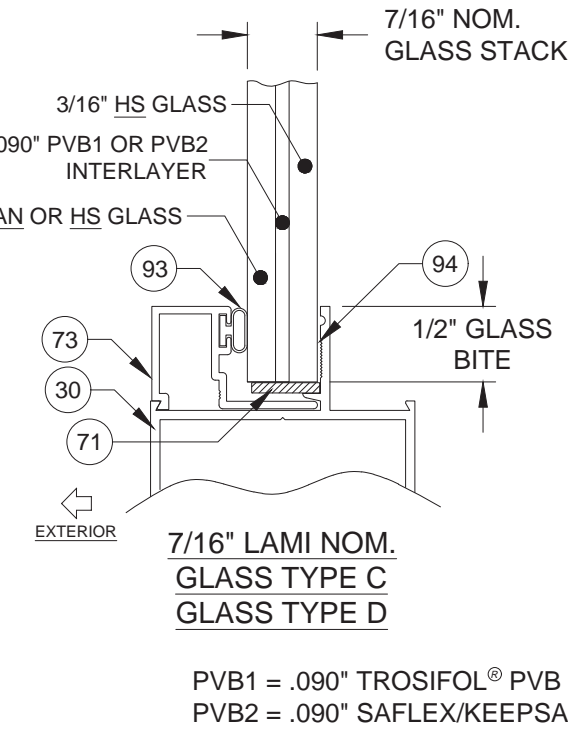
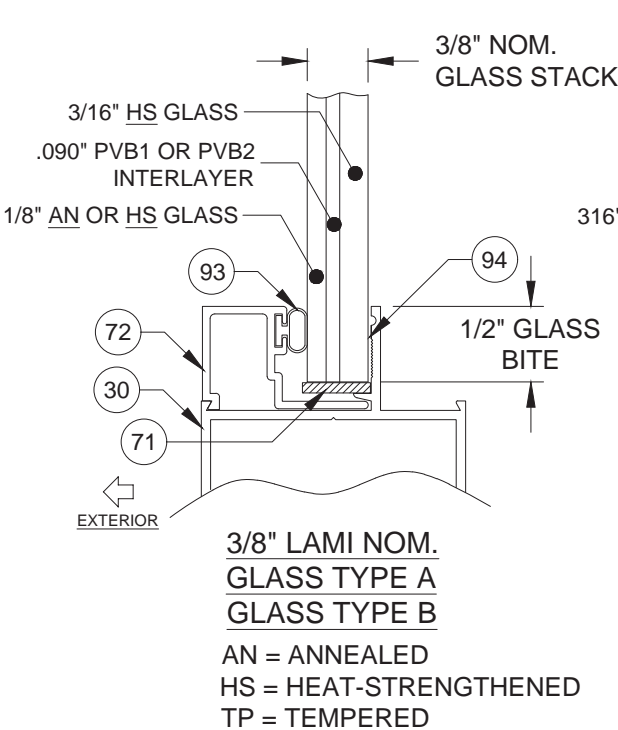
INSTRUCTIONS:  
1) DETERMINE THE DESIGN PRESSURE, DP REQUIREMENT (LBS/FT²) FOR THE OPENING USING THE **ASCE-7 STANDARD**.

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" 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) 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.

Material	Min. F <sub>y</sub>	Min. F <sub>u</sub>
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

GENERAL NOTES..... 1  
GLAZING DETAILS..... 1  
DESIGN PRESSURES..... 2  
VERT. SECTIONS..... 3  
HORIZ. SECTIONS..... 4  
PARTS LIST..... 5  
EXTRUSIONS..... 6  
ANCHOR QUANTITY..... 7-13  
INSTALLATION..... 14-15

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

**PRODUCT REVISED**  
as complying with the Florida  
Building Code  
NOA-No. 23-0724.02  
Expiration Date 10/18/2027  
By   
Miami-Dade Product Control

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

<div>IPGT</div> <div>Custom Windows and Doors</div>	1070 TECHNOLOGY DRIVE N. VENICE, FL 34275 (941) 480-1600		REGISTRATION #29296		04/04/12	
			ALUM. FRENCH DOOR & SIDE LITES (LM)		Date	
			GENERAL NOTES & GLAZING DETAILS		By	JENS ROSOWSKI
					DWG No.	11005-1
Series	FD101-LM	Sheet	1 OF 15			Rev. I

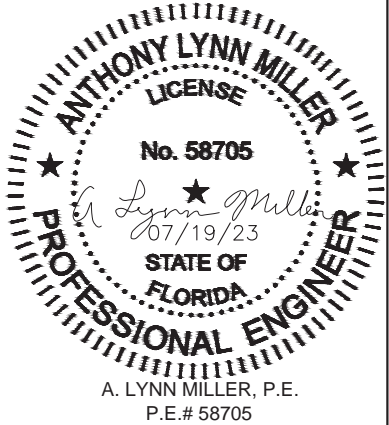




TABLE 1:

DESIGN PRESSURES FOR <u>DOORS</u> , ALL GLASS TYPES											
REINFORCED DOOR TO SIDE LITE OR UNREINFORCED STAND-ALONE DOOR											
X FRAME WIDTH	XX FRAME WIDTH	FRAME HEIGHT									
		6 <sup>8</sup> - 79 3/4"		7 <sup>0</sup> - 83 3/4"		87 3/4"		91 3/4"		8 <sup>0</sup> - 95 3/4"	
3 <sup>0</sup> 37 1/2"	6 <sup>0</sup> 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 <u>SIDE LITES</u>											
REINFORCED DOOR TO SIDE LITE OR UNREINFORCED STAND-ALONE SIDE LITE											
GLASS TYPES	FRAME WIDTH	FRAME HEIGHT									
		6 <sup>8</sup> - 79 3/4"		7 <sup>0</sup> - 83 3/4"		87 3/4"		91 3/4"		8 <sup>0</sup> - 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).

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

TABLE 3:

DESIGN PRESSURES FOR <u>DOORS</u> , ALL GLASS TYPES												
UNREINFORCED DOOR TO SIDE LITE												
X FRAME WIDTH	XX FRAME WIDTH	FRAME HEIGHT										
		6 <sup>8</sup> - 79 3/4"	7 <sup>0</sup> - 83 3/4"	87 3/4"		91 3/4"		8 <sup>0</sup> - 95 3/4"				
2 <sup>0</sup> 25 1/2"	4 <sup>0</sup> 47 3/4"	+58.6 -58.6	+55.4 -55.4	+52.4 -52.4	+52.4 -52.4	+49.8 -49.8	+49.8 -49.8	+47.4 -47.4	+47.4 -47.4			
27 1/2"	51 3/4"	+54.9 -54.9	+51.8 -51.8	+49.0 -49.0	+49.0 -49.0	+46.5 -46.5	+46.5 -46.5	+44.3 -44.3	+44.3 -44.3			
29 1/2"	55 3/4"	+51.7 -51.7	+48.8 -48.8	+46.1 -46.1	+46.1 -46.1	+43.8 -43.8	+43.8 -43.8	+41.6 -41.6	+41.6 -41.6			
2 <sup>6</sup> 31 1/2"	5 <sup>0</sup> 59 3/4"	+49.0 -49.0	+46.2 -46.2	+43.6 -43.6	+43.6 -43.6	+41.4 -41.4	+41.4 -41.4	+39.3 -39.3	+39.3 -39.3			
2 <sup>8</sup> 33 1/2"	5 <sup>4</sup> 63 3/4"	+43.1 -43.1	+43.1 -43.1	+41.5 -41.5	+41.5 -41.5	+39.3 -39.3	+39.3 -39.3	+37.3 -37.3	+37.3 -37.3			
35 1/2"	67 3/4"	+38.1 -38.1	+38.1 -38.1	+38.1 -38.1	+38.1 -38.1	+37.5 -37.5	+37.5 -37.5	+35.6 -35.6	+35.6 -35.6			
3 <sup>0</sup> 37 1/2"	6 <sup>0</sup> 71 3/4"	+34.0 -34.0	+34.0 -34.0	+34.0 -34.0	+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 <u>SIDE LITES</u>												
UNREINFORCED DOOR TO SIDE LITE												
GLASS TYPE	FRAME WIDTH	FRAME HEIGHT										
		6 <sup>8</sup> - 79 3/4"	7 <sup>0</sup> - 83 3/4"	87 3/4"		91 3/4"		8 <sup>0</sup> - 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	+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	+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	+65.0 -65.0	+61.9 -61.9	+61.9 -61.9	+59.0 -59.0	+59.0 -59.0			
	21 3/4"	+64.5 -64.5	+61.0 -61.0	+57.8 -57.8	+57.8 -57.8	+55.0 -55.0	+55.0 -55.0	+52.4 -52.4	+52.4 -52.4			
	27 3/4"	+52.9 -52.9	+49.9 -49.9	+47.2 -47.2	+47.2 -47.2	+44.7 -44.7	+44.7 -44.7	+42.6 -42.6	+42.6 -42.6			
	36 1/8"	+35.2 -35.2	+35.2 -35.2	+35.2 -35.2	+35.2 -35.2	+35.2 -35.2	+35.2 -35.2	+34.4 -34.4	+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	+34.0 -34.0	+34.0 -34.0	+34.0 -34.0			

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)

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")

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AM - 07/19/23

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



REGISTRATION #29296

ALUM. FRENCH DOOR & SIDE LITES (LM)  
04/04/12  
Date

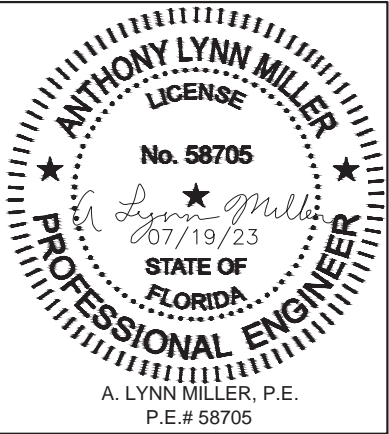
DESIGN PRESSURES  
JENS ROSOWSKI  
By

FD101-LM  
Series

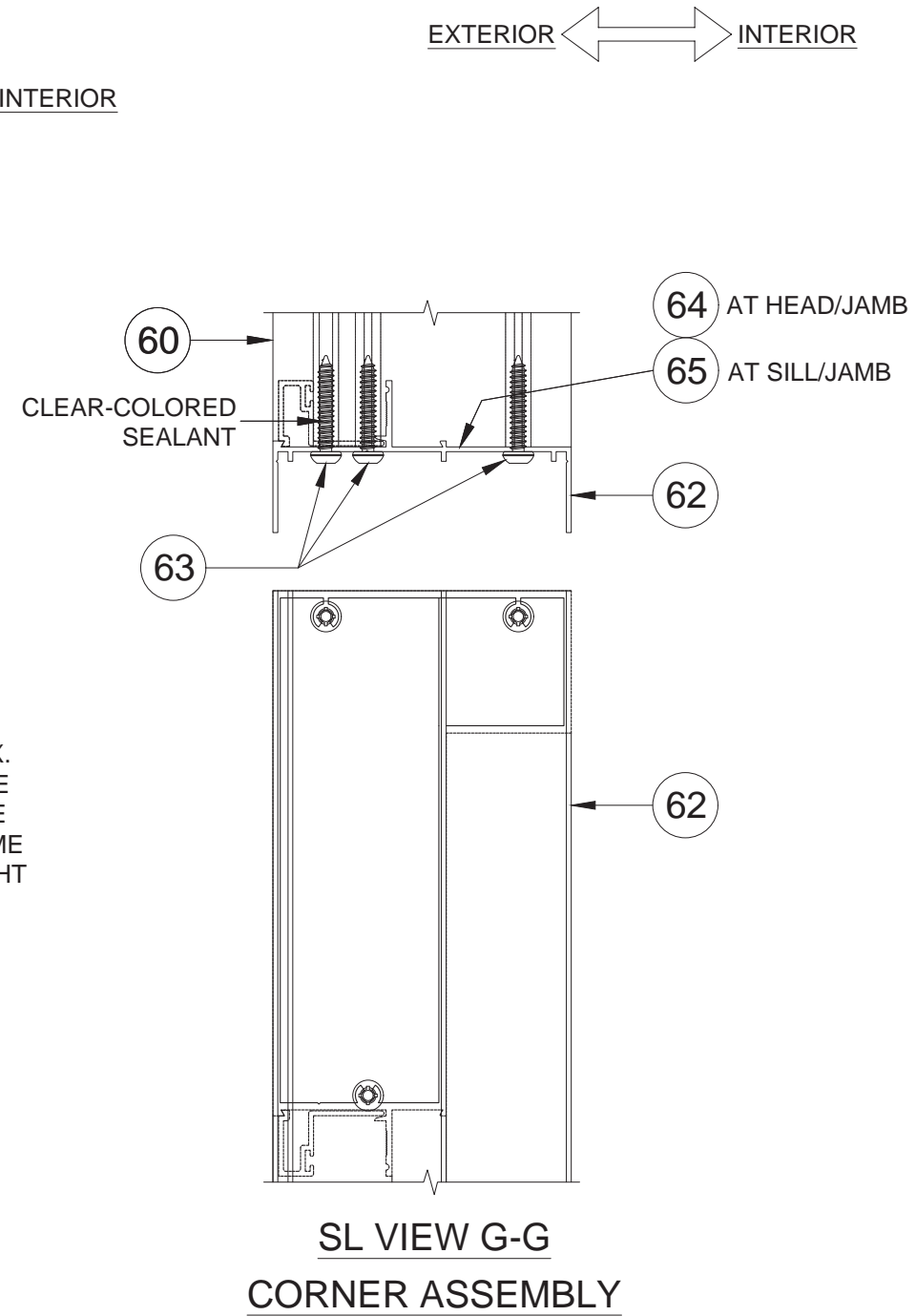
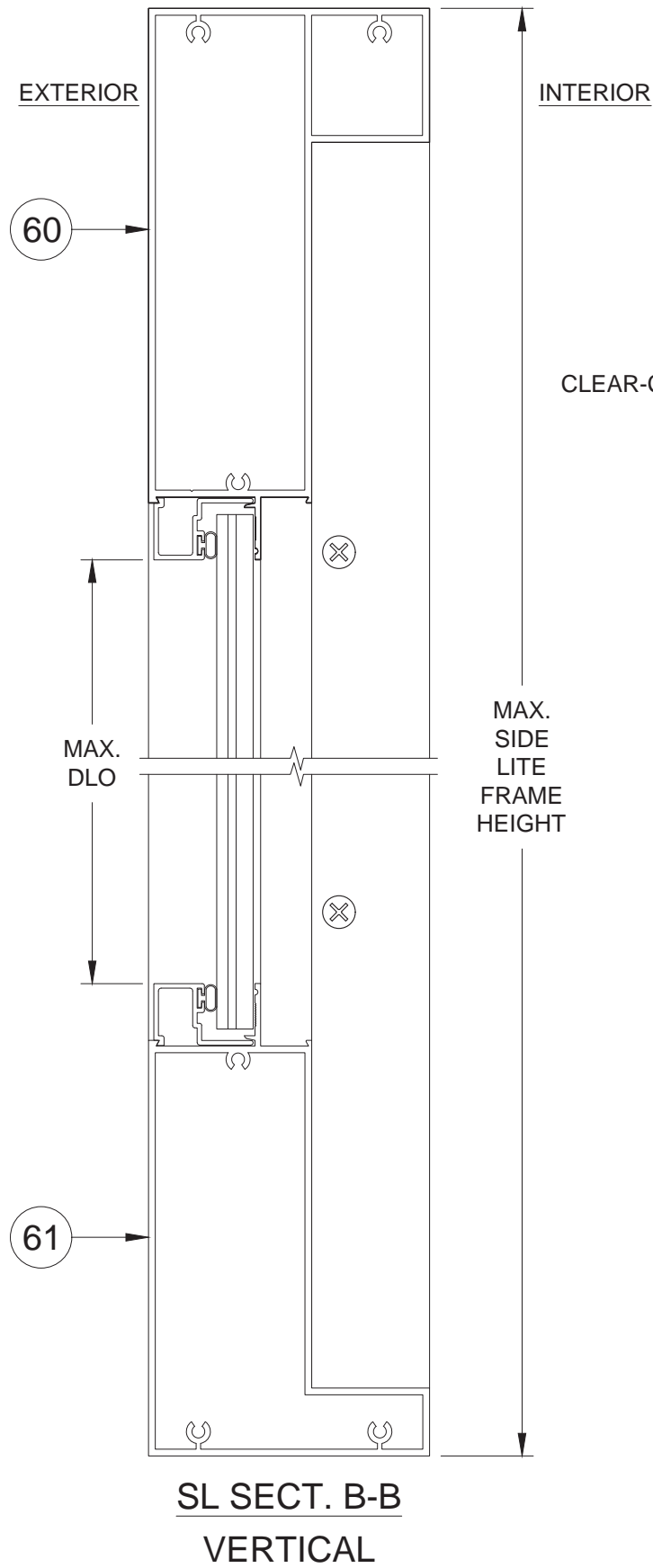
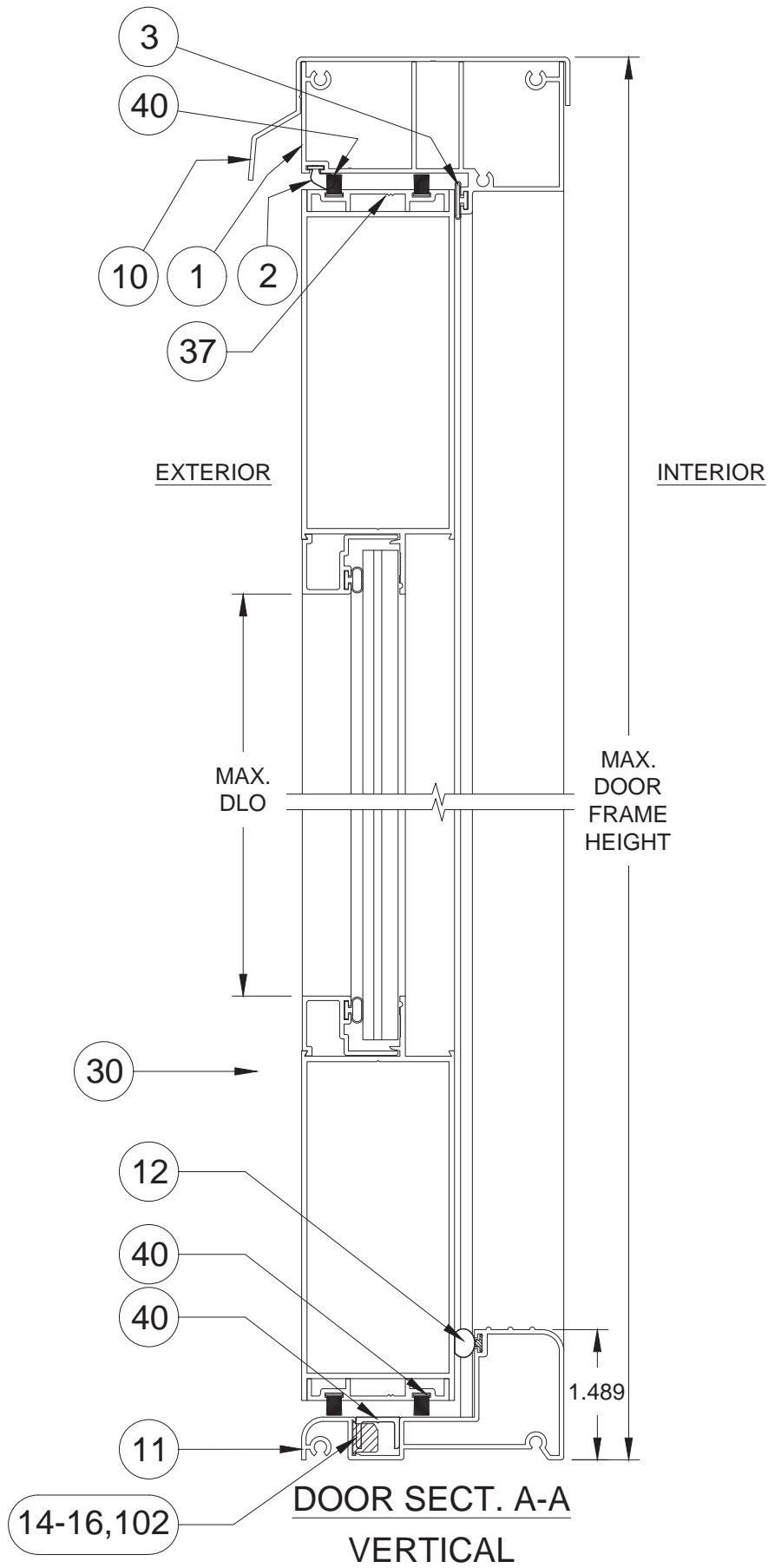
2 OF 15  
Sheet

11005-1  
Rev.

DWG No.



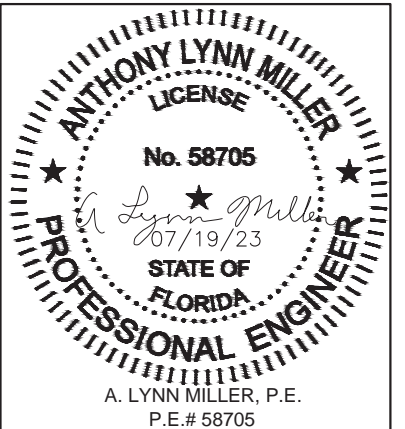
ANTHONY LYNN MILLER  
LICENSE  
No. 58705  
STATE OF FLORIDA  
PROFESSIONAL ENGINEER  
A. LYNN MILLER, P.E.  
P.E.# 58705



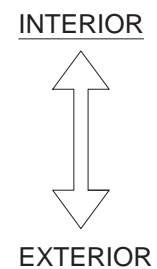
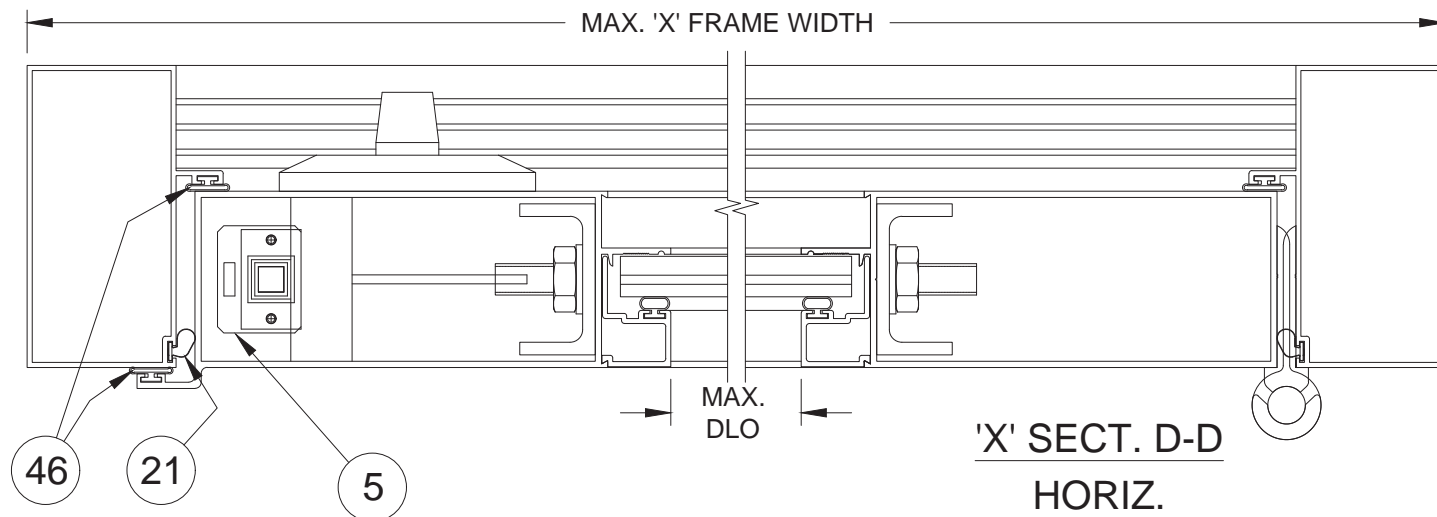
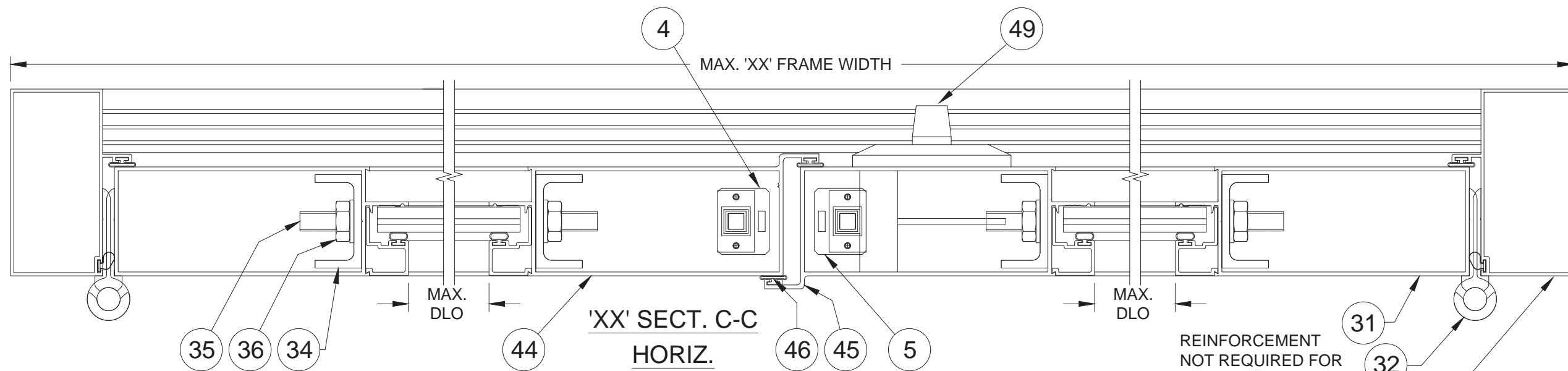
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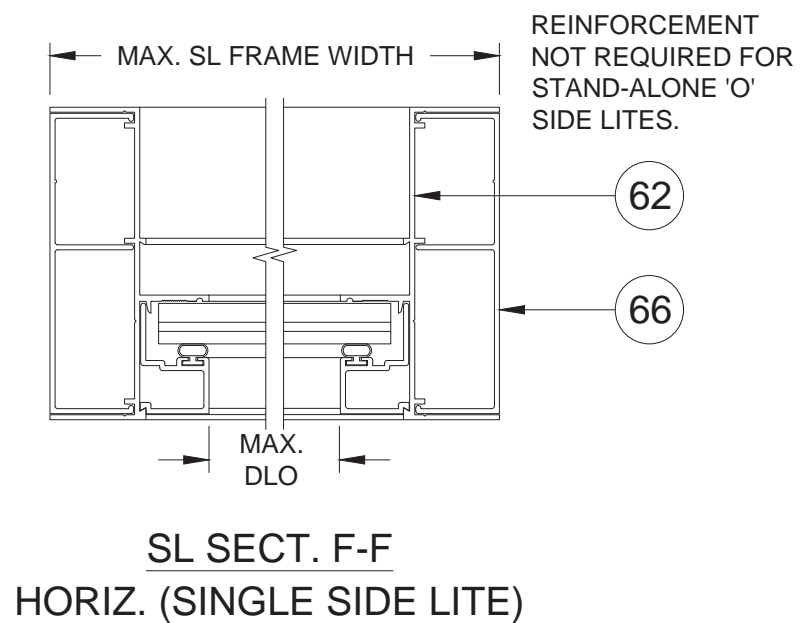
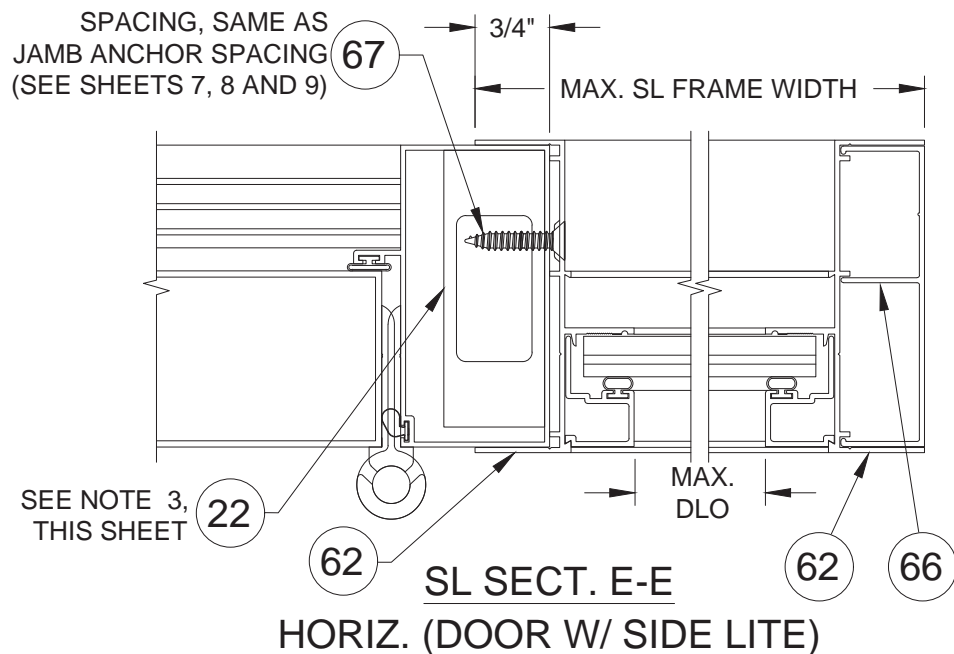
<div>PGT</div> <div>Custom Windows and Doors</div> <div>1070 TECHNOLOGY DRIVE N. VENICE, FL 34275 (941) 480-1600</div>	PREPARED BY A. LYNN MILLER 1070 TECHNOLOGY DRIVE N. VENICE, FL 34275 (941) 480-1600			REGISTRATION #29296	
ALUM. FRENCH DOOR & SIDE LITES (LM)	Date	04/04/12			
VERTICAL SECTIONS	By	JENS ROSOWSKI			
FD101-LM	Sheet	3 OF 15	DWG. No.	11005-1	Rev.
Series	I				







SPACING, SAME AS JAMB ANCHOR SPACING (SEE SHEETS 7, 8 AND 9)



#### 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.

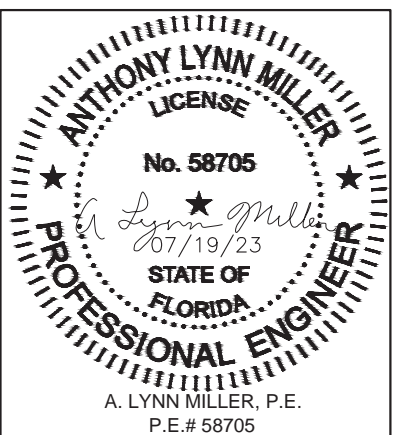
3) FULL LENGTH REINFORCEMENT APPLICABLE TO DOOR AND SIDE LITE COMBINATIONS FROM TABLES 1 AND 2, SHEET 2. ITEM 22 IS NOT REQUIRED WITH COMBINATIONS FROM TABLES 3 AND 4, SHEET 2, OR WITH STAND-ALONE 'O', 'X' & 'XX' CONFIGURATIONS FROM TABLES 1 AND 2.

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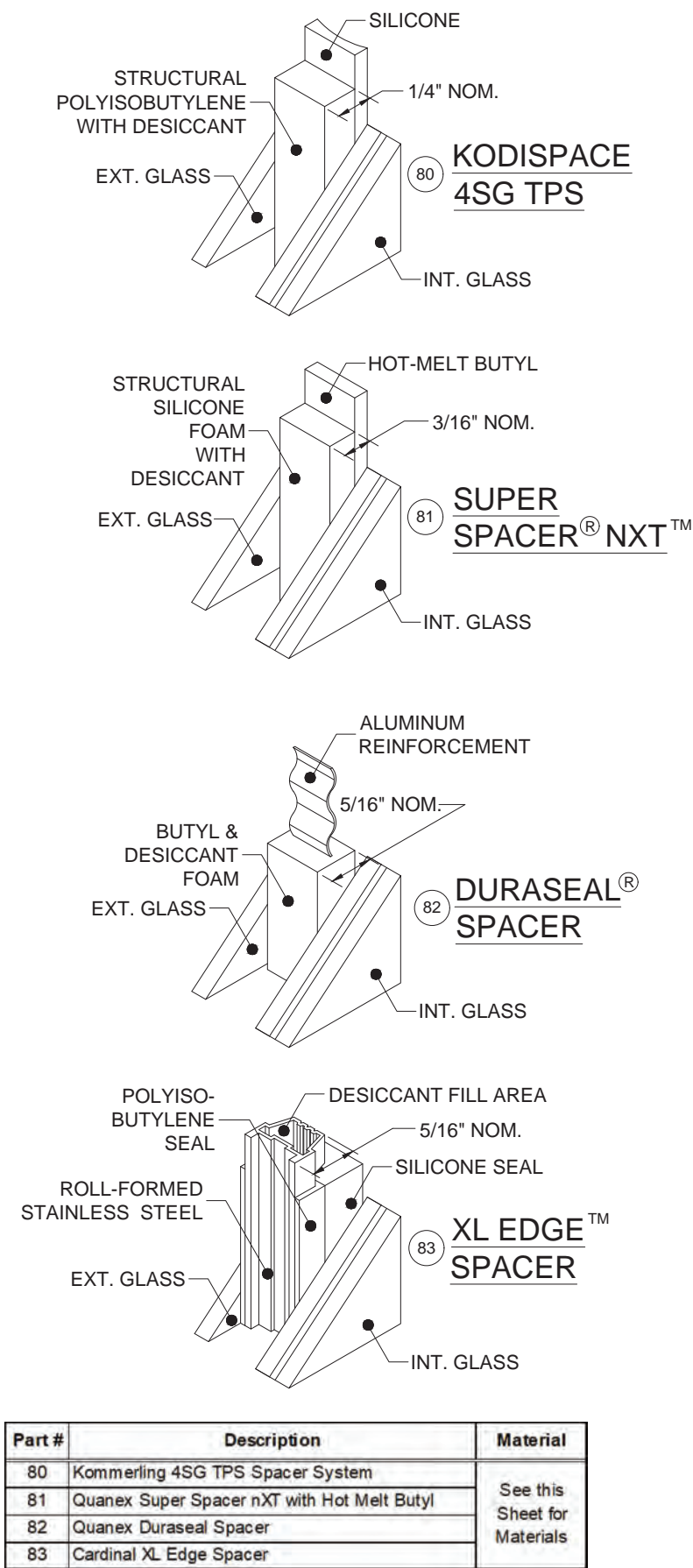
	PREPARED BY A. LYNN MILLER 1070 TECHNOLOGY DRIVE N. VENICE, FL 34275 (941) 480-1600				REGISTRATION #29296			
	Custom Windows and Doors 1070 TECHNOLOGY DRIVE N. VENICE, FL 34275 (941) 480-1600				ALUM. FRENCH DOOR & SIDE LITES (LM)		Date	04/04/12
	FD101-LM		Sheet	4 OF 15	DWG No.	11005-1	Rev.	I
Series	HORIZONTAL SECTIONS		Drawn By		JENS ROSOWSKI			
Desc.	Title							



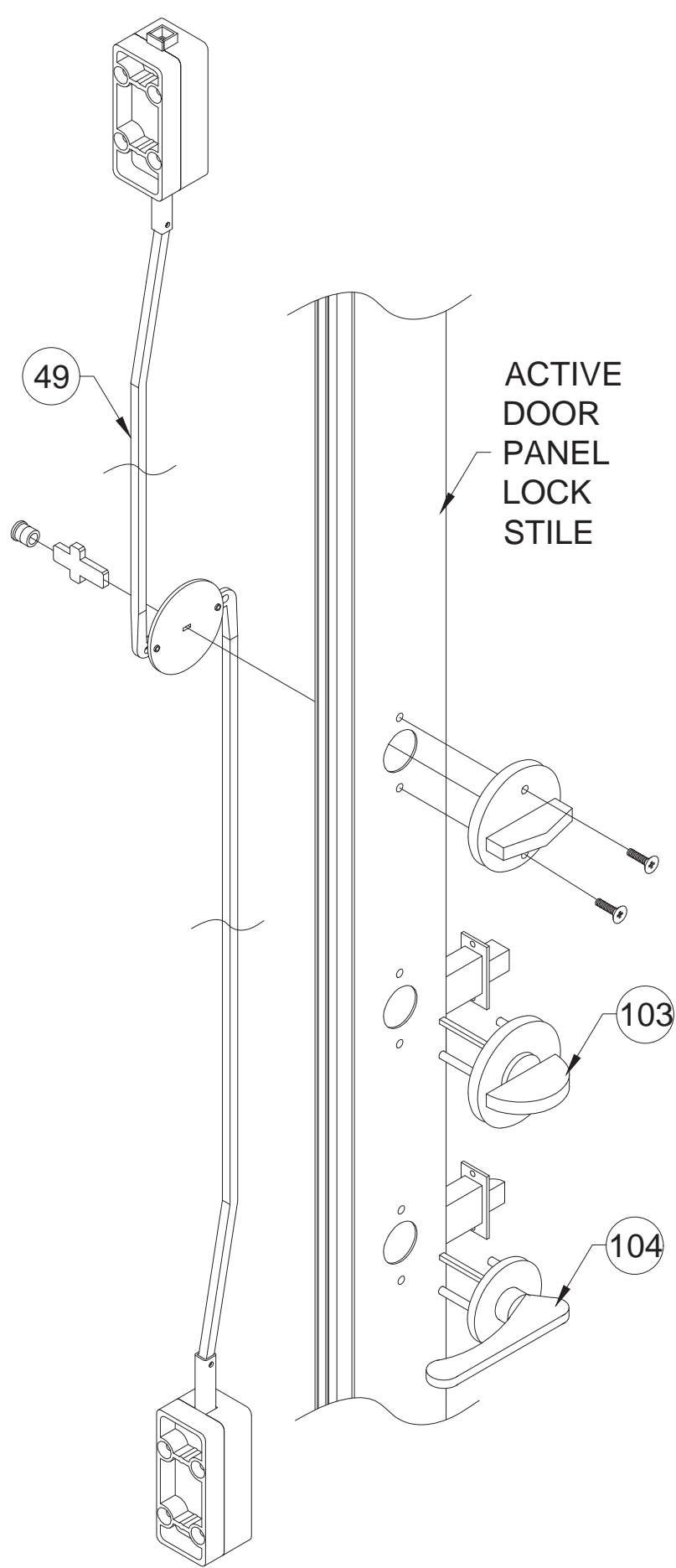


ITEM	DWG #	PGT#	DESCRIPTION
1	943B	60411	FRAME HEAD
2	1010	6Q300	WSTP., Q-LON .190 X .375 HIGH
3	7070	67070K	BULB WEATHERSTRIP .187 X .300 HIGH
4	955	7955X	FLUSHBOLT STRIKEPLATE
5	938	7938X	2 PT. LOCK STRIKEPLATE
6	956	7956A	FRAME HEAD STRIKEPLATE BACKING PLATE
7		7832X12FPXP	#8-32 X .500 PH. FL. MS - 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	1966	.71966	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	SETTING 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.



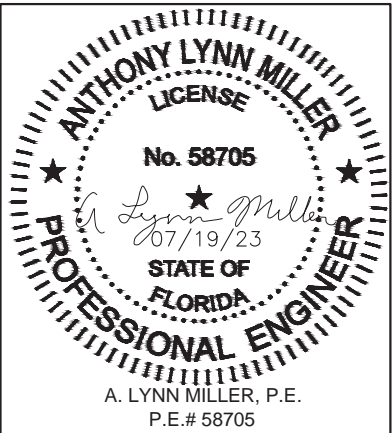
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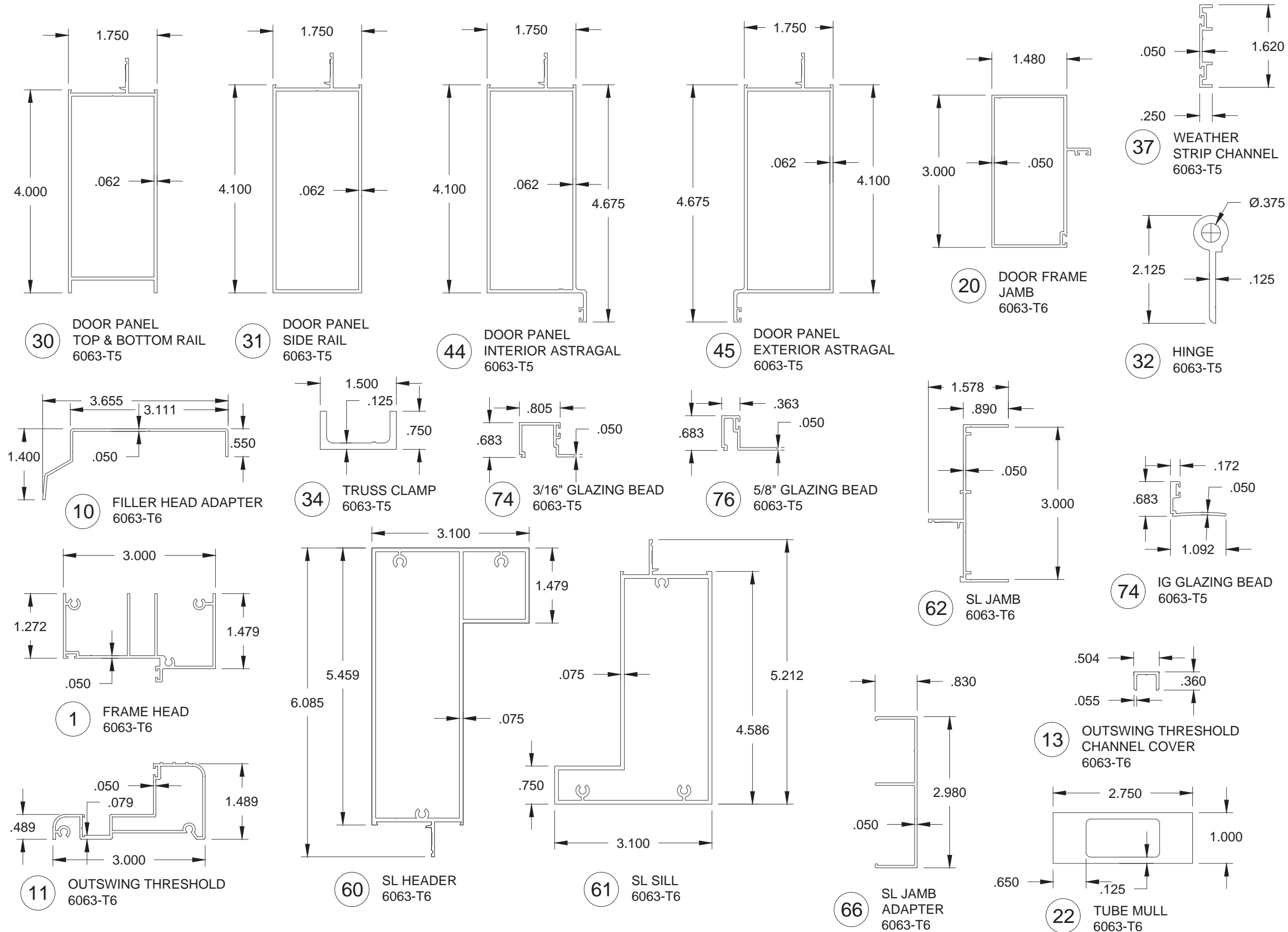



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<div>PGT</div> <div>Custom Windows and Doors</div>		PREPARED BY A. LYNN MILLER 1070 TECHNOLOGY DRIVE N. VENICE, FL 34275 (941) 480-1600		REGISTRATION #29296		04/04/12	
		1070 TECHNOLOGY DRIVE N. VENICE, FL 34275 (941) 480-1600				Date	
ALUM. FRENCH DOOR & SIDE LITES (LM)				By		JENS ROSOWSKI	
BOM & SPACER DETAILS				Drawn			
FD101-LM		Sheet		5 OF 15		DWG No. 11005-1	
Rev.		I					





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		REGISTRATION #29296					
		ALUM. FRENCH DOOR & SIDE LITES (LM)		Date	04/04/12		
		EXTRUSIONS		Drawn By	JENS ROSOWSKI		
Series	FD101-LM	Sheet	6 OF 15	DWG No.	11005-1	Rev.	I

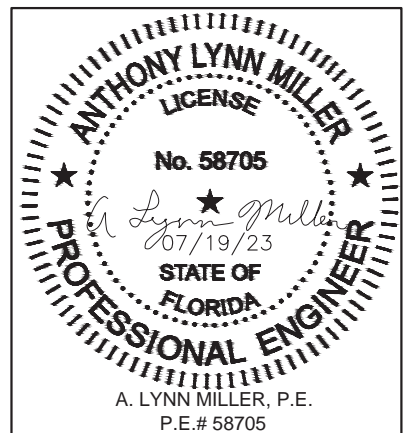
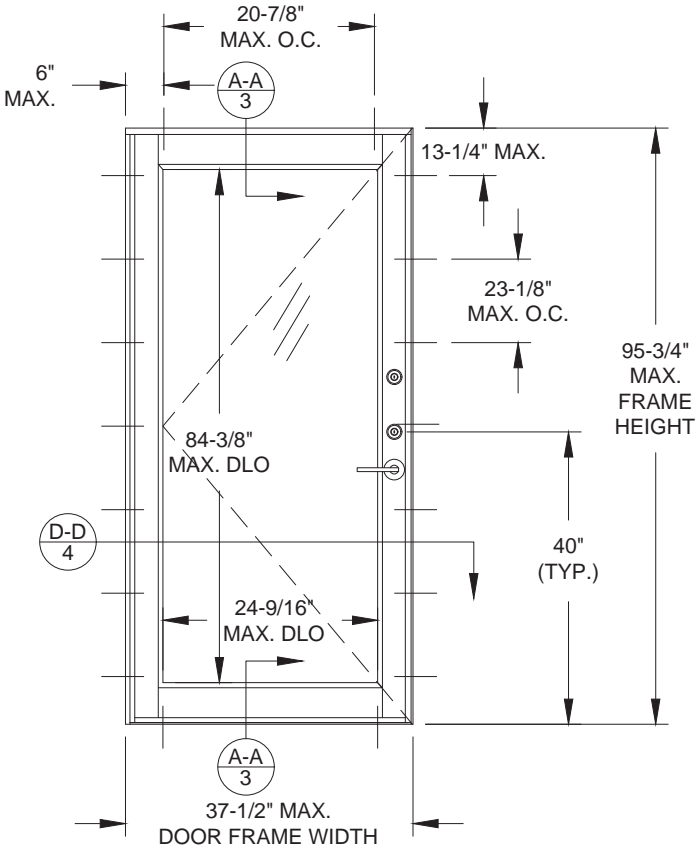


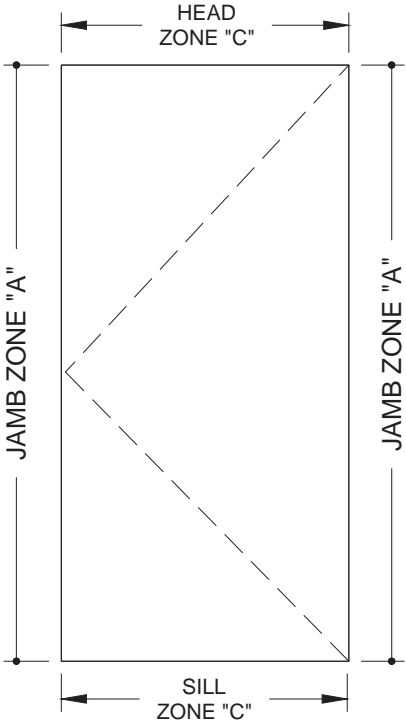


TABLE 5:

X DOORS, ALL GLASS TYPES					
ANCHOR TYPE & SUBSTRATE		2, 3, WOOD 3 ALUM		1,2, CONC	
		LOAD ZONES			
		X - JAMB "A"	X - HEAD/SILL "C"	X - JAMB "A"	X - HEAD/SILL "C"
MAX DOOR FRAME WIDTH	MAX FRAME HEIGHT				
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

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				Date	
				By	
				Drawn	
<div>ALUM. FRENCH DOOR &amp; SIDE LITES (LM)</div>		JENS ROSOWSKI		11005-1	
				Rev.	
				I	
<div>X DEATAILS</div>		FD101-LM		7 OF 15	
				Dwg	
				No.	
				Sheet	
Series		Desc.		Title	

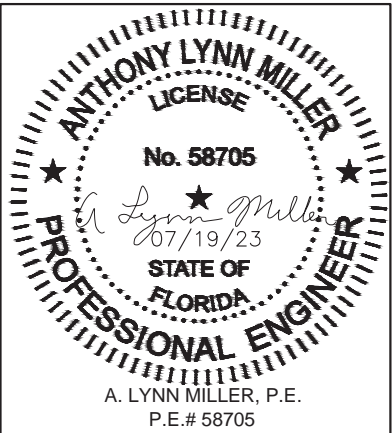
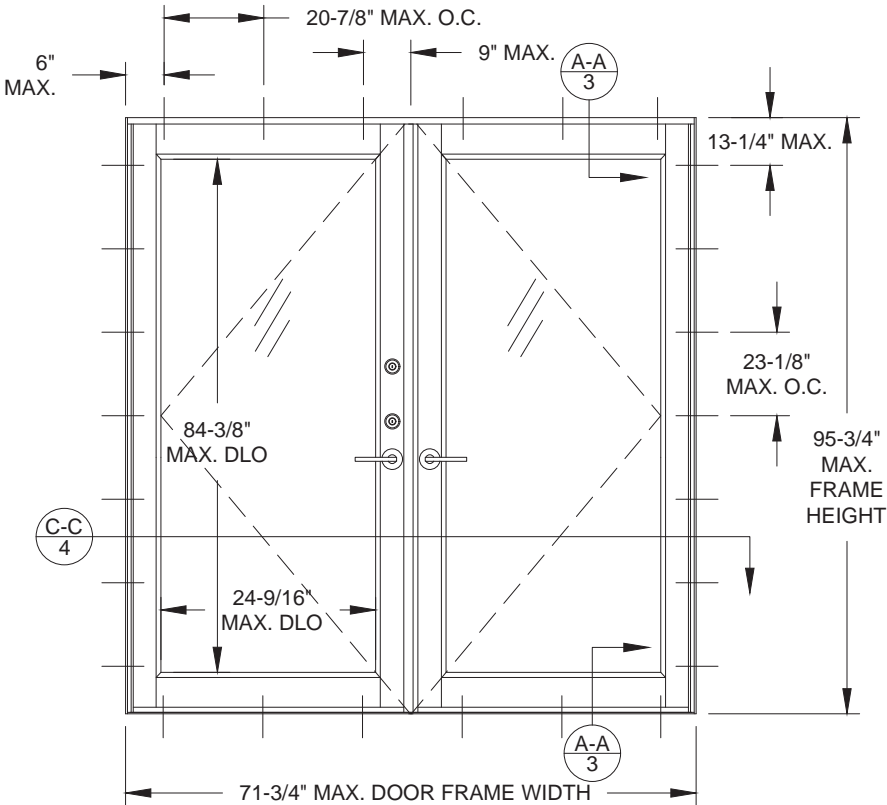
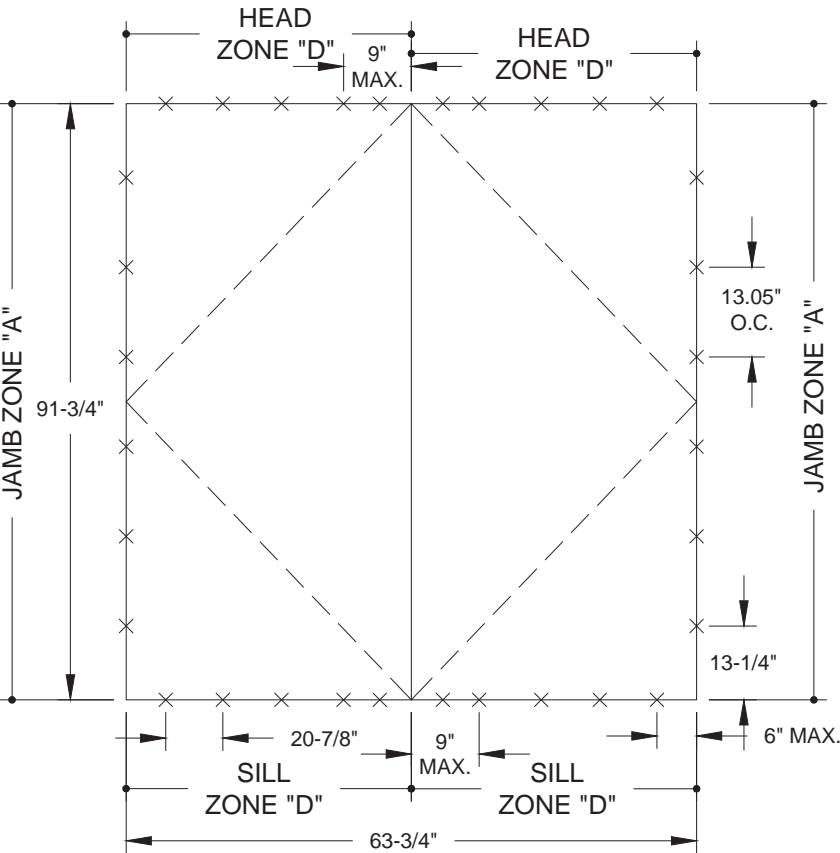


TABLE 6:

XX DOORS, ALL GLASS TYPES					
ANCHOR TYPE & SUBSTRATE		2, 3, WOOD 3 ALUM		1,2, CONC	
		LOAD ZONES			
		XX - JAMB "A"	XX - HEAD/SILL "D"	XX - JAMB "A"	XX - HEAD/SILL "D"
MAX DOOR FRAME WIDTH	MAX FRAME HEIGHT				
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

SEE CIRCLED VALUES ON TABLE 6.  
x = DENOTES ANCHOR LOCATION.

**PRODUCT REVISED**  
as complying with the Florida  
Building Code  
NOA-No. 23-0724.02  
Expiration Date 10/18/2027  
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	Date	04/04/12	By	JENS ROSOWSKI	Rev.	I
		ALUM. FRENCH DOOR & SIDE LITES (LM)		XX DETAILS		No.	11005-1
		FD101-LM		8 OF 15		DWG	

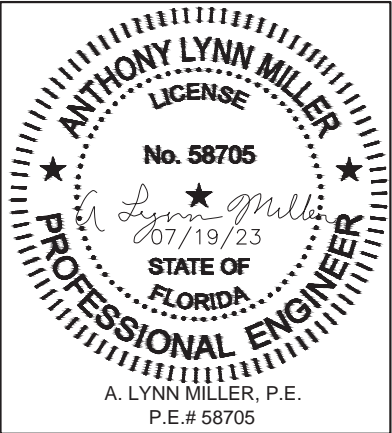
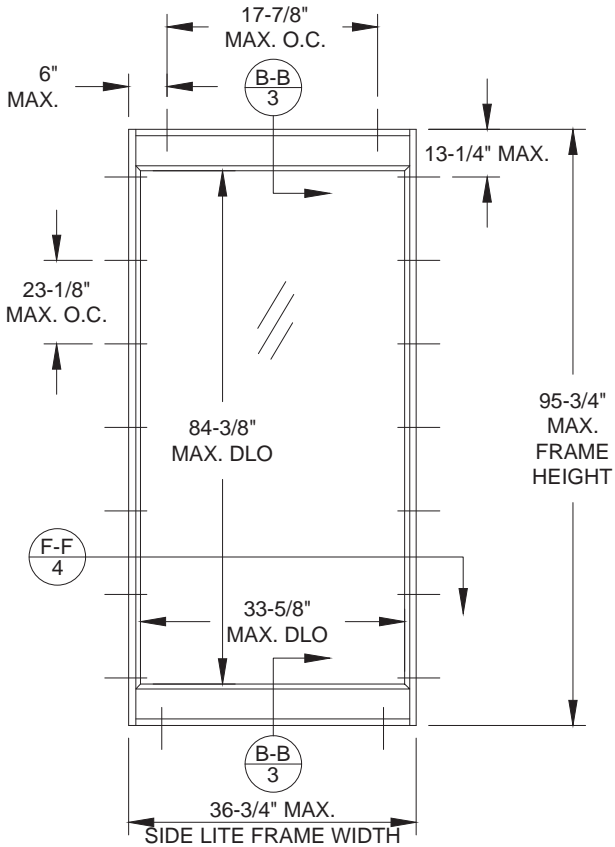


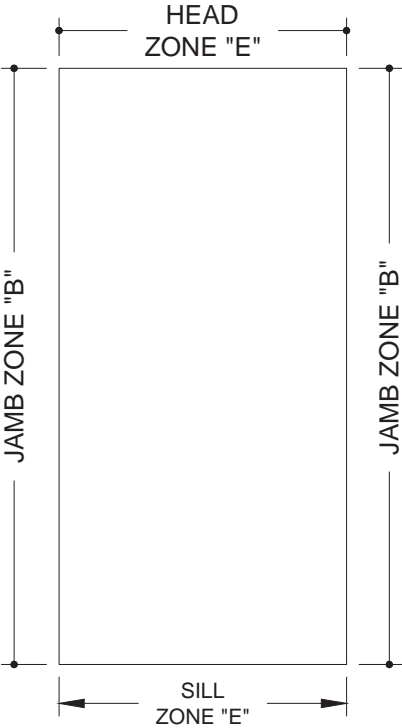


TABLE 7:

O SIDE LITE, ALL GLASS TYPES					
ANCHOR TYPE & SUBSTRATE		2, 3, WOOD 3 ALUM		1,2, CONC	
		LOAD ZONES			
		O - JAMB "B"	O - HEAD/SILL "E"	O - JAMB "B"	O - HEAD/SILL "E"
MAX. SIDE LITE FRAME WIDTH	MAX. FRAME HEIGHT				
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

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.

Design Pressure  
See Sheet 2, Table 2

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

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

REGISTRATION #29296

ALUM. FRENCH DOOR & SIDE LITES (LM)

O DETAILS

04/04/12

By JENS ROSOWSKI

FD101-LM

Rev. I

11005-1

9 OF 15

Sheet

Revision: D) UPDATED TO 2023 BUILDING CODE.

AM - 07/19/23

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

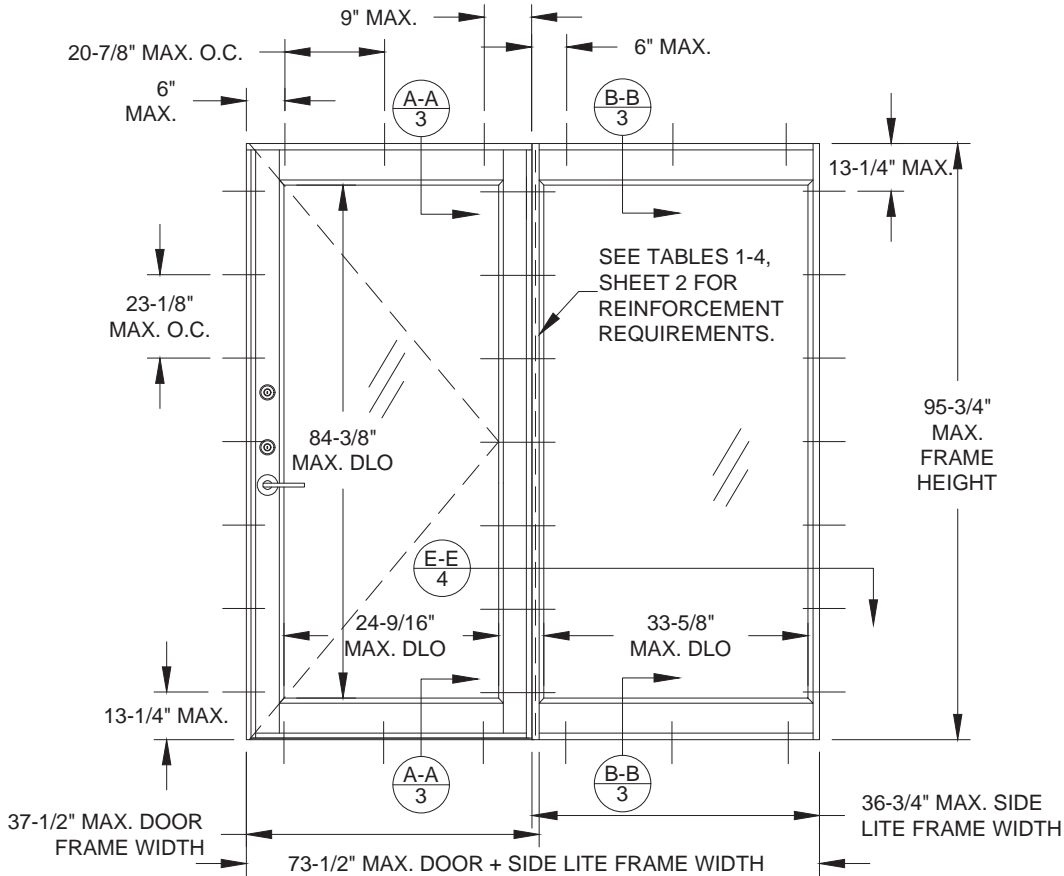
PRODUCT REVISED  
as complying with the Florida Building Code  
NOA-No. 23-0724.02  
Expiration Date 10/18/2027  
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Miami-Dade Product Control



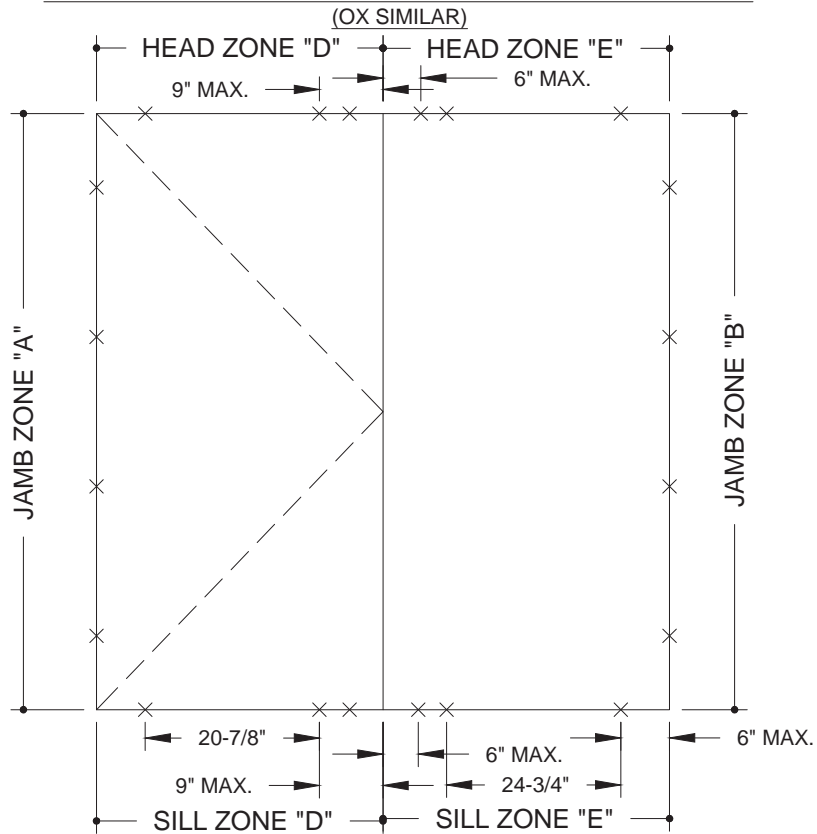
TABLE 8:

XO & OX, ALL GLASS TYPES													
ANCHOR TYPE & SUBSTRATE			2, 3, WOOD 3 ALUM				1,2, CONC						
			LOAD ZONES										
			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"			
MAX SIDE LITE FRAME WIDTH	MAX'X DOOR FRAME WIDTH	MAX FRAME HEIGHT	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



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.
- x = DENOTES ANCHOR LOCATION.

**PRODUCT REVISED**  
as complying with the Florida  
Building Code  
NOA-No. 23-0724.02  
Expiration Date 10/18/2027  
By   
Miami-Dade Product Control

D) UPDATED TO 2023  
BUILDING CODE.

AM - 07/19/23

<div>PGT</div> <div>Custom Windows and Doors</div> <div>1070 TECHNOLOGY DRIVE N. VENICE, FL 34275 (941) 480-1600</div>		REGISTRATION #29296		04/04/12			
		Date					
PREPARED BY A. LYNN MILLER 1070 TECHNOLOGY DRIVE N. VENICE, FL 34275 (941) 480-1600		ALUM. FRENCH DOOR & SIDE LITES (LM)					
		XO & OX DETAILS		Drawn By	JENS ROSOWSKI		
Series	FD101-LM	Sheet	10 OF 15	DWG. No.	11005-1	Rev.	I

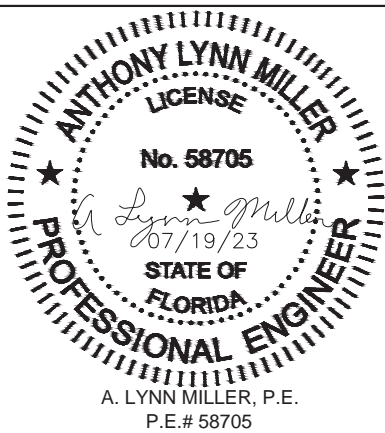
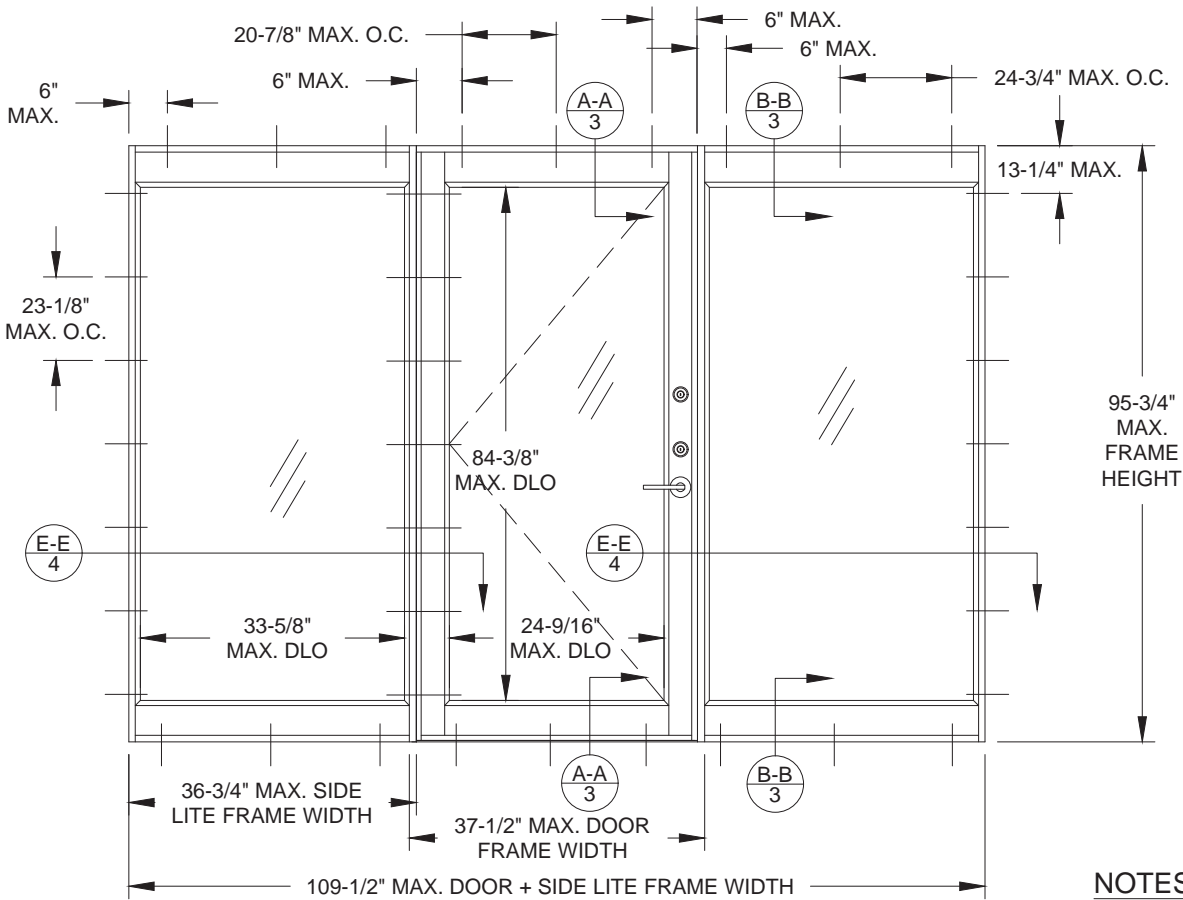




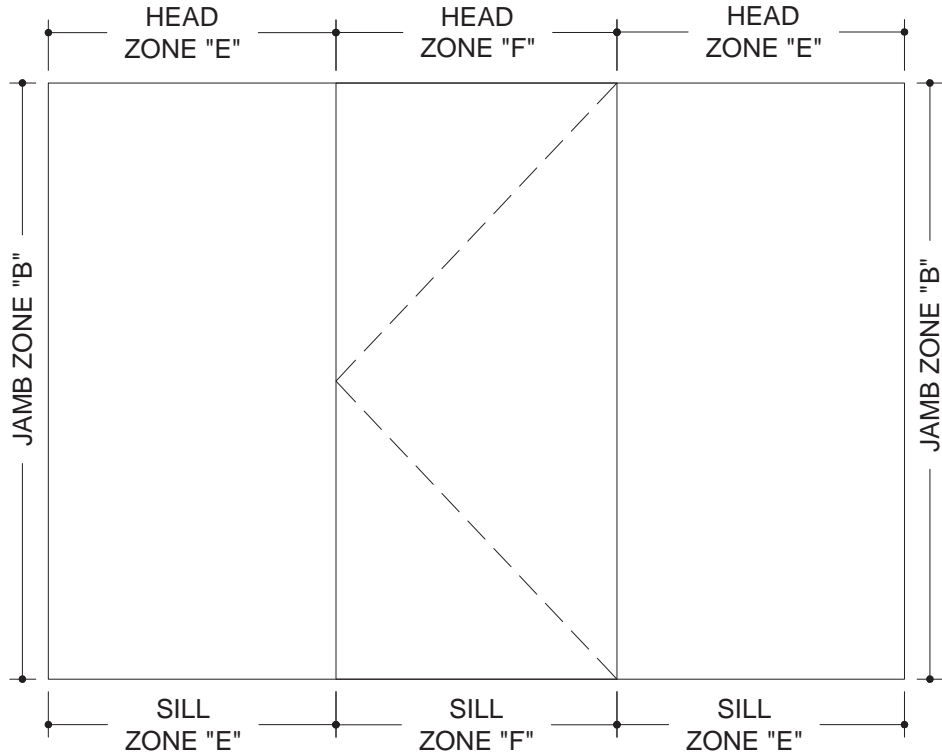
TABLE 9:

OXO, ALL GLASS TYPES											
ANCHOR TYPE & SUBSTRATE			2, 3, WOOD 3 ALUM			1,2, CONC					
			LOAD ZONES								
			O - JAMB "B"	O - HEAD/SILL "E"	X - HEAD/SILL "F"	O - JAMB "B"	O - HEAD/SILL "E"	X - HEAD/SILL "F"			
MAX SIDE LITE FRAME WIDTH	MAX 'X' DOOR FRAME WIDTH	MAX FRAME HEIGHT	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

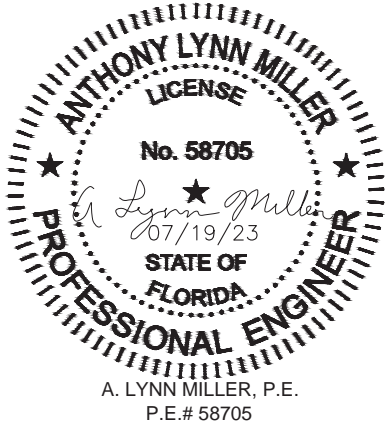
NOTES:

- 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 REVISED**  
as complying with the Florida  
Building Code  
NOA-No. 23-0724.02  
Expiration Date 10/18/2027  
By   
Miami-Dade Product Control

Revision: D) UPDATED TO 2023  
BUILDING CODE.  
AM - 07/19/23

<div>PGT</div> <div>Custom Windows and Doors</div>	PREPARED BY A. LYNN MILLER 1070 TECHNOLOGY DRIVE N. VENICE, FL 34275 (941) 480-1600		REGISTRATION #29296		04/04/12		JENS ROSOWSKI	11005-1	Rev. I
	1070 TECHNOLOGY DRIVE N. VENICE, FL 34275 (941) 480-1600		ALUM. FRENCH DOOR & SIDE LITES (LM)		Date				
	OXO DETAILS		Drawn By						
	Series Desc.		Title						
FD101-LM	Sheet	11 OF 15		DWG No.		11005-1			





XXO & OXX, ALL GLASS TYPES												
ANCHOR TYPE & SUBSTRATE			2, 3, WOOD 3 ALUM					1,2, CONC				
			LOAD ZONES									
			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"
MAX SIDE LITE FRAME WIDTH	MAX 'XX' DOOR FRAME WIDTH	MAX FRAME HEIGHT										
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


Technical drawing of a window frame showing dimensions and reinforcement requirements. The drawing includes the following dimensions and labels:

- Top Dimensions:**
  - 20-7/8" MAX. O.C. (On Center)
  - 9" MAX. (Spacing)
  - 9" MAX. (Spacing)
  - 24-3/4" MAX. O.C. (On Center)
- Left Side Dimensions:**
  - 6" MAX. (Thickness)
  - 23-1/8" MAX. O.C. (On Center)
- Right Side Dimensions:**
  - 6" MAX. (Thickness)
  - 23-1/8" MAX. DLO (Distance to Last Oil)
  - 95-3/4" MAX. FRAME HEIGHT
- Internal Dimensions and Labels:**
  - 84-3/8" MAX. DLO (Distance to Last Oil)
  - 24-9/16" MAX. DLO (Distance to Last Oil)
  - 33-5/8" MAX. DLO (Distance to Last Oil)
  - 71-3/4" MAX. DOOR FRAME WIDTH
  - 107-3/4" MAX. DOOR + SIDE LITE FRAME WIDTH
  - 36-3/4" MAX. SIDE LITE FRAME WIDTH
- Reinforcement and Section Labels:**
  - A-A 3 (Section line)
  - B-B 3 (Section line)
  - C-C 4 (Section line)
  - E-E 4 (Section line)
  - SEE TABLES 1-4, SHEET 2 FOR REINFORCEMENT REQUIREMENTS.

The diagram illustrates a window frame with various zones defined for measurement. The frame is divided into three main horizontal sections: HEAD ZONE "D" (left), HEAD ZONE "F" (middle), and HEAD ZONE "E" (right). The vertical sections are JAMB ZONE "A" (left) and JAMB ZONE "B" (right). The bottom section is divided into three main horizontal sections: SILL ZONE "D" (left), SILL ZONE "F" (middle), and SILL ZONE "E" (right). The diagram shows a central vertical line and two diagonal lines forming a diamond shape in the center, with dashed lines indicating the boundaries of the zones.

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

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Custom Windows and Doors		REGISTRATION #29296	
1070 TECHNOLOGY DRIVE N. VENICE, FL 34275 (941) 480-1600		ALUM. FRENCH DOOR & SIDE LITES (LM)	
Title		Date	
XXO & OXX DETAILS		04/04/12	
Desc.		Drawn By	
FD101-LM		JENS ROSOWSKI	
Series		No.	
Sheet		Dwg	
12 OF 15		11005-1	
Rev.		I	

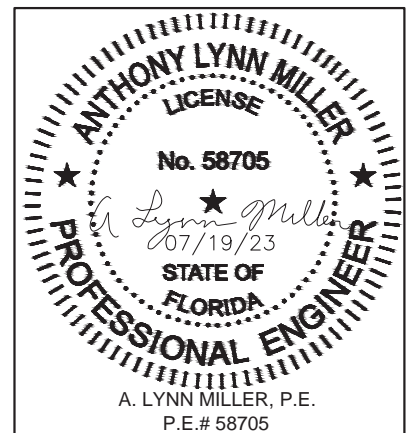
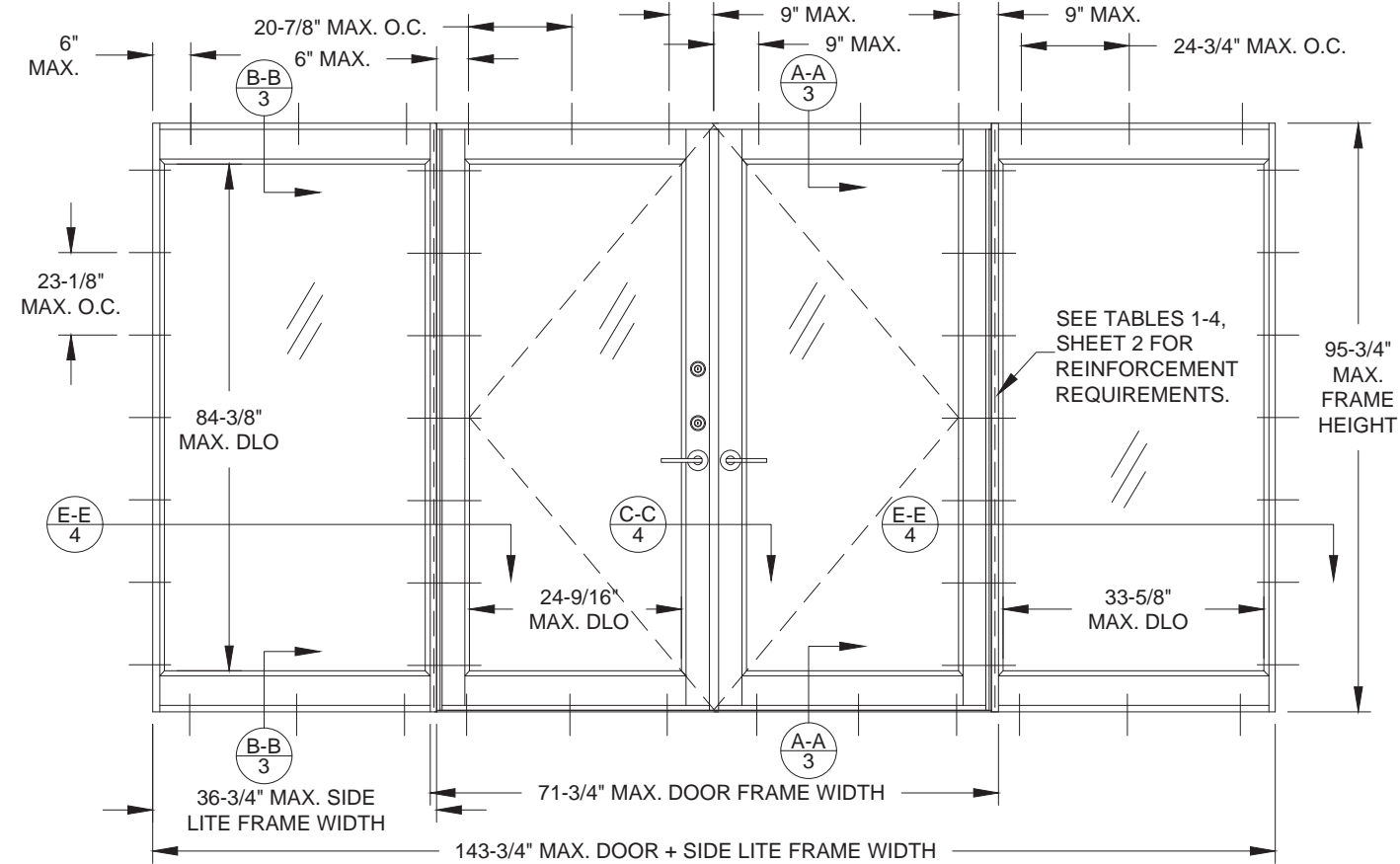




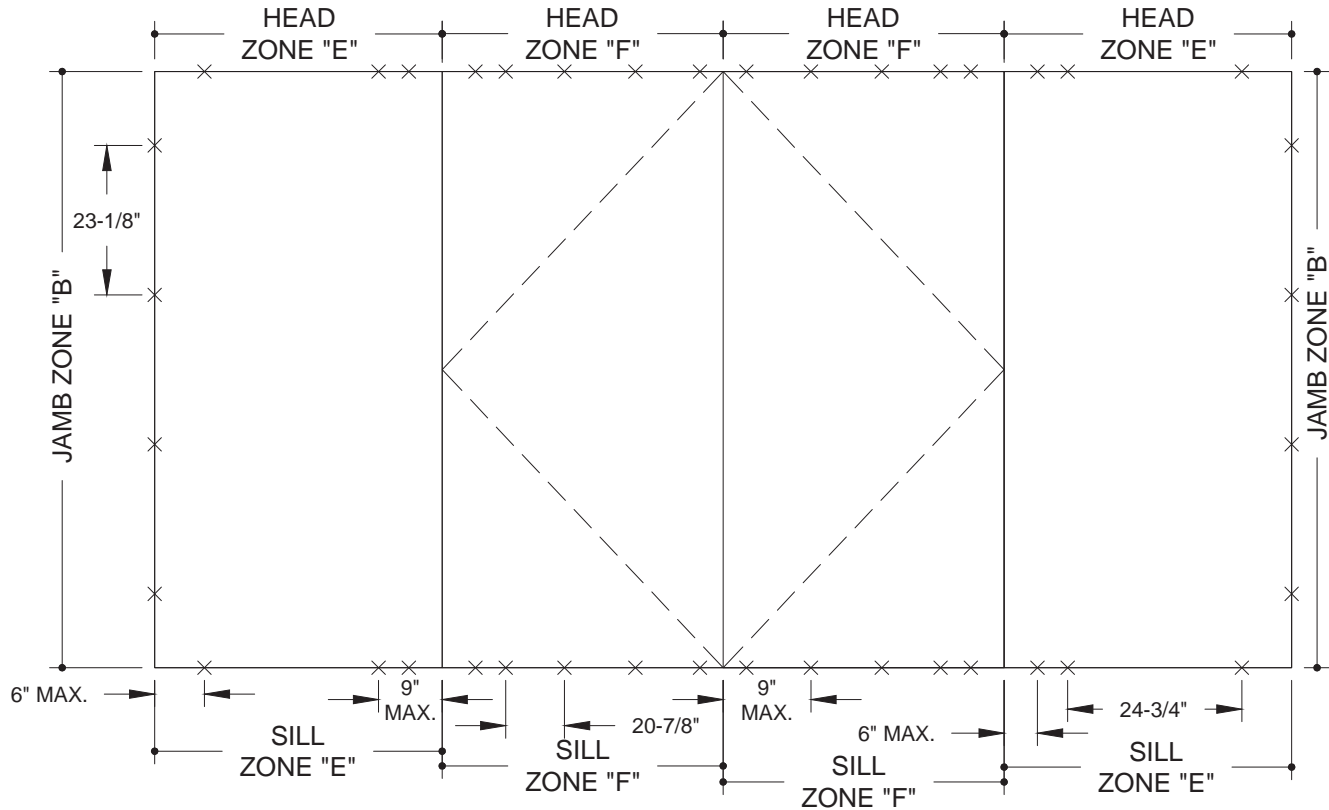
TABLE 11:

OX XO, ALL GLASS TYPES											
ANCHOR TYPE & SUBSTRATE			2, 3, WOOD 3 ALUM			1, 2, CONC					
			LOAD ZONES								
			O - JAMB "B"	O - HEAD/SILL "E"	XX - HEAD/SILL "F"	O - JAMB "B"	O - HEAD/SILL "E"	XX - HEAD/SILL "F"			
MAX SIDE LITE FRAME WIDTH	MAX 'XX' DOOR FRAME WIDTH	MAX FRAME HEIGHT	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 OX XO CONFIGURATION



LOAD ZONES FOR OX XO 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:  
OX XO 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

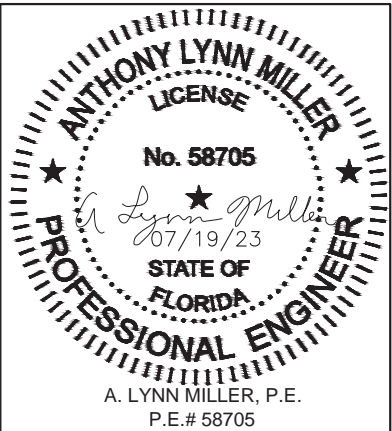
SEE CIRCLED VALUES ON TABLE 11.  
X = DENOTES ANCHOR LOCATION.

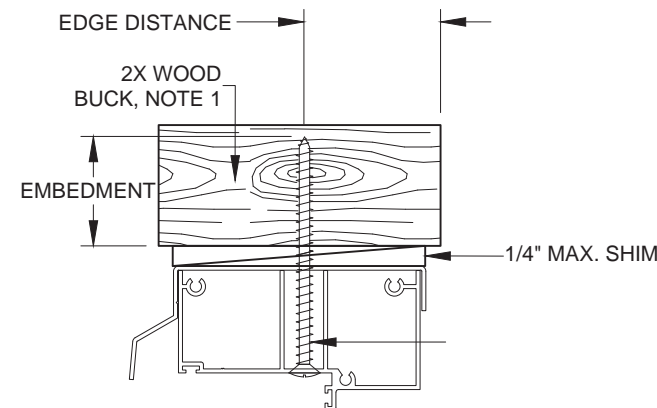
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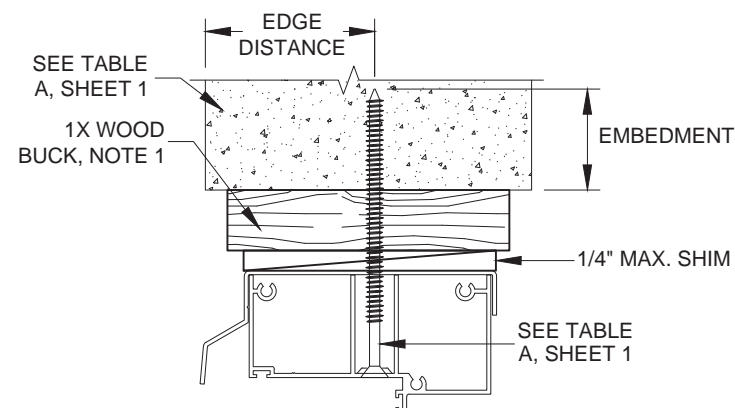
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PREPARED BY A. LYNN MILLER 1070 TECHNOLOGY DRIVE N. VENICE, FL 34275 (941) 480-1600	REGISTRATION #29296	Date	04/04/12	JENS ROSOWSKI By	11005-1	I
		ALUM. FRENCH DOOR & SIDE LITES (LM)				
PGT Custom Windows and Doors 1070 TECHNOLOGY DRIVE N. VENICE, FL 34275 (941) 480-1600	OX XO DETAILS	FD101-LM	13 OF 15	Sheet	DWG	No.

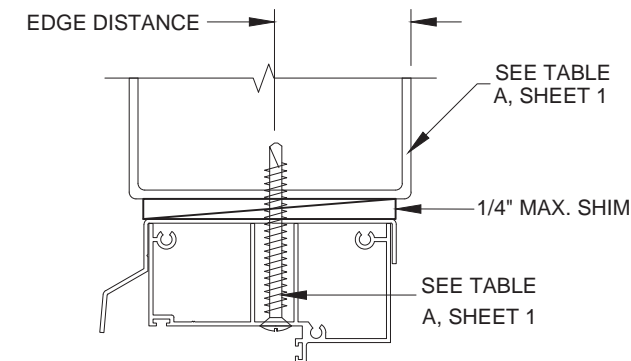




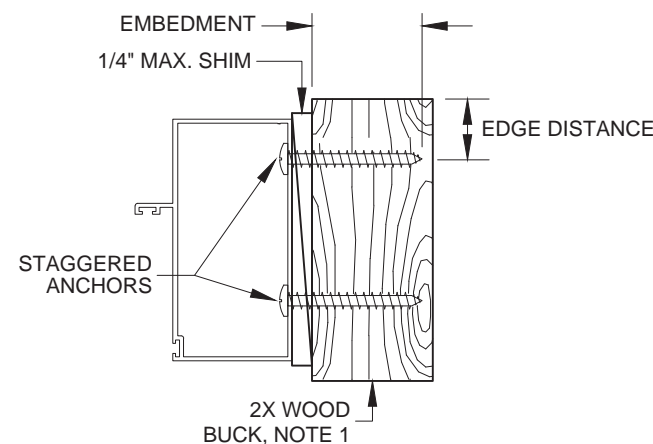
**DOOR HEAD (WOOD)**



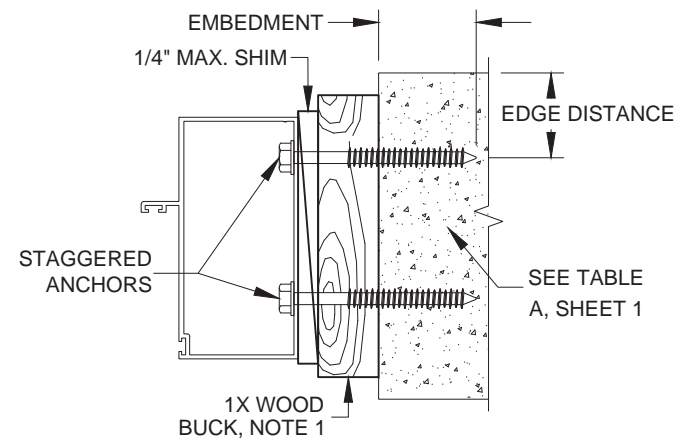
**DOOR HEAD (CONC)**



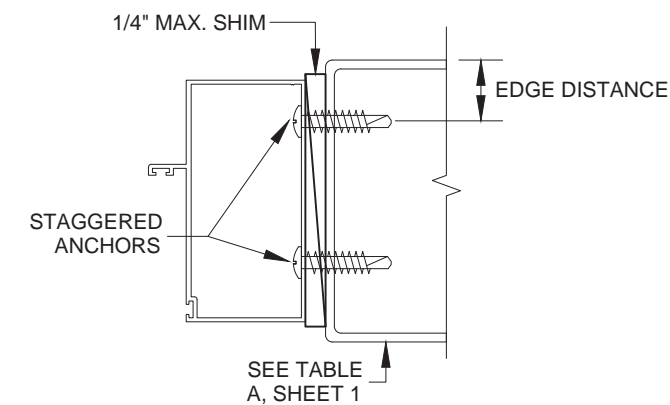
**DOOR HEAD (ALUMINUM)**



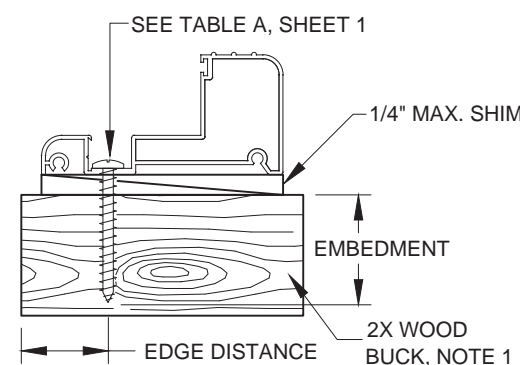
**DOOR JAMB (WOOD)**



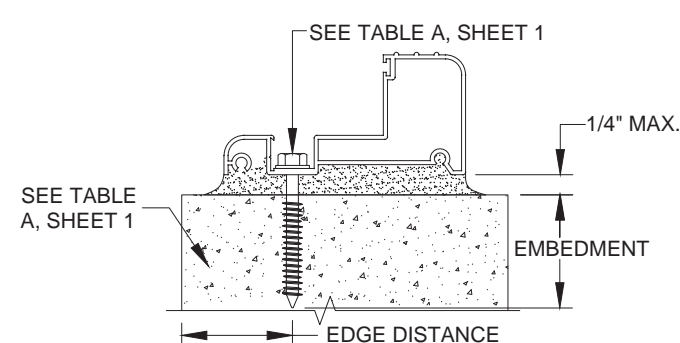
**DOOR JAMB (CONC)**



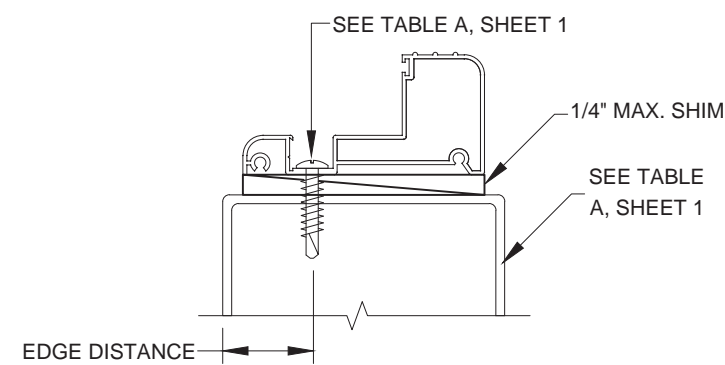
**DOOR JAMB (ALUMINUM)**



**DOOR SILL (WOOD)**



**DOOR SILL (CONC)**

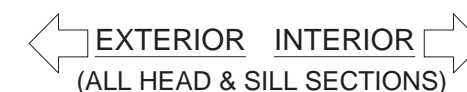


**DOOR SILL (ALUMINUM)**

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..

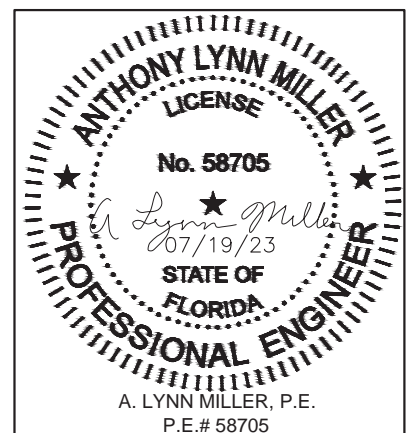


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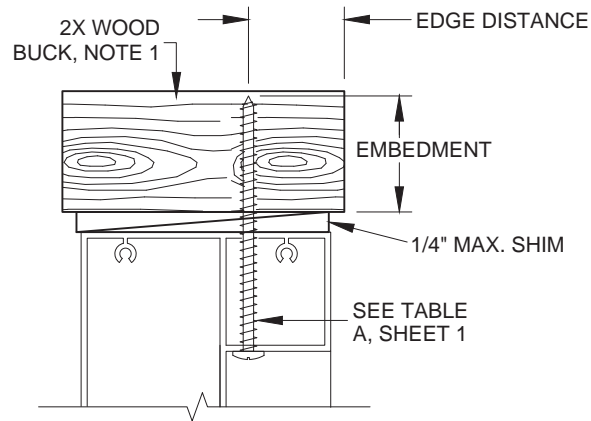
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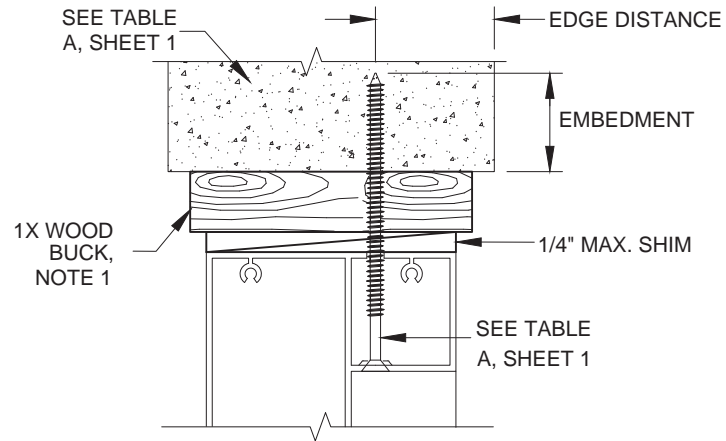
<div>PGT</div> <div>Custom Windows and Doors</div>		1070 TECHNOLOGY DRIVE N. VENICE, FL 34275 (941) 480-1600		PREPARED BY A. LYNN MILLER 1070 TECHNOLOGY DRIVE N. VENICE, FL 34275 (941) 480-1600	
		REGISTRATION #29296			
ALUM. FRENCH DOOR & SIDE LITES (LM)		Date		04/04/12	
DOOR INSTALL DETAILS		Drawn By		JENS ROSOWSKI	
FD101-LM		14 OF 15		DWG No.	
Sheet		11005-1		Rev.	
Series Desc.		Title			



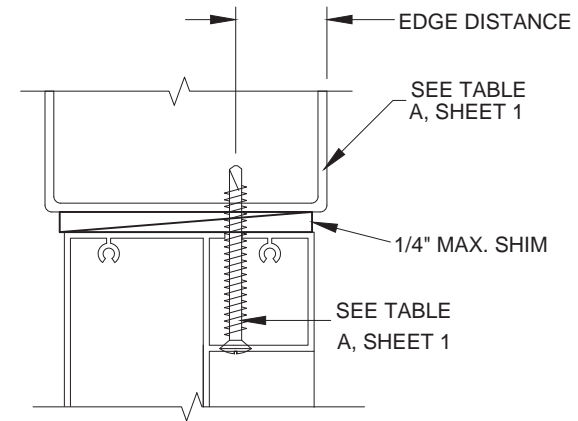




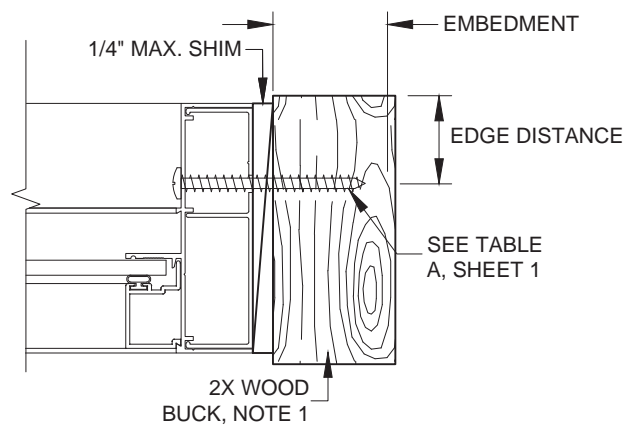
**SIDE LITE HEAD (WOOD)**



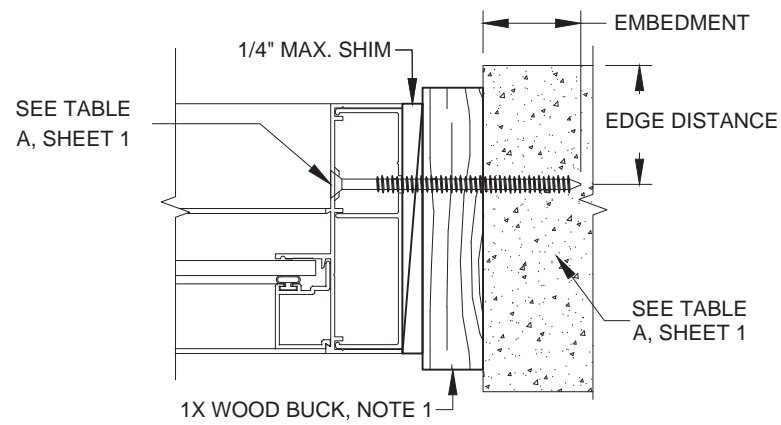
**SIDE LITE HEAD (CONC)**



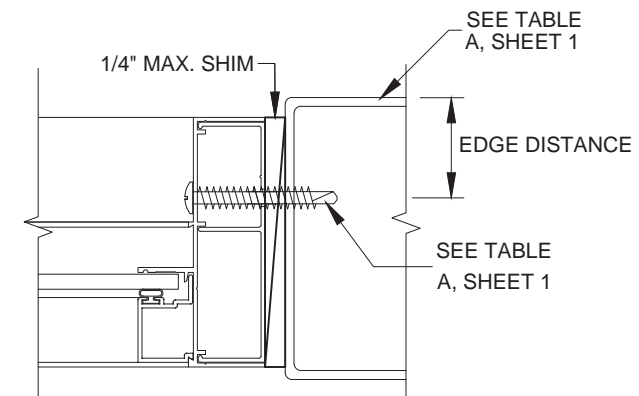
**SIDE LITE HEAD (ALUMINUM)**



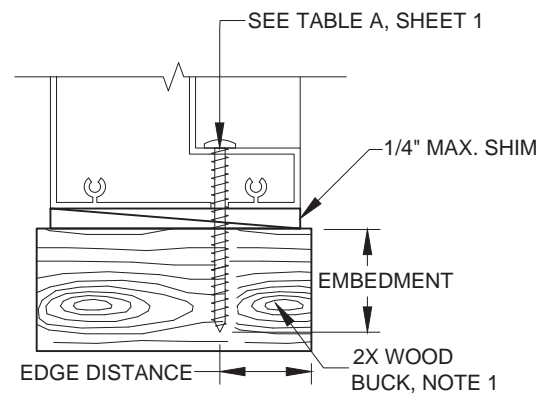
**SIDE LITE JAMB (WOOD)**



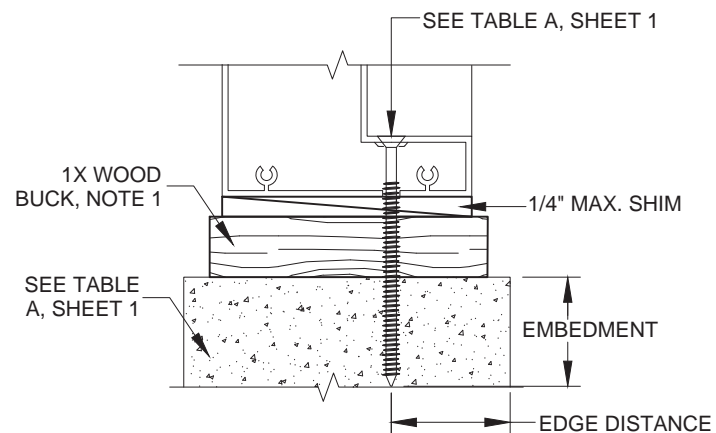
**SIDE LITE JAMB (CONC)**



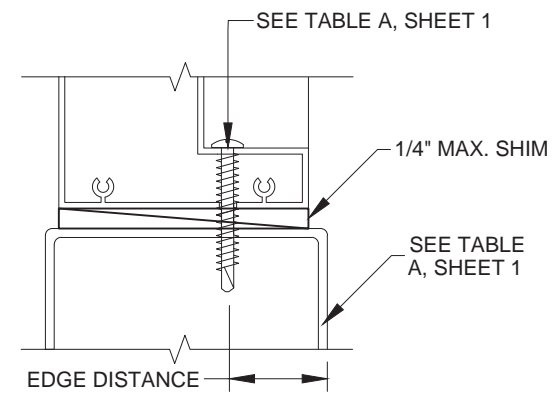
**SIDE LITE JAMB (ALUMINUM)**



**SIDE LITE SILL (WOOD)**



**SIDE LITE SILL (CONC)**




**SIDE LITE SILL (ALUMINUM)**

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



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PREPARED BY A. LYNN MILLER 1070 TECHNOLOGY DRIVE N. VENICE, FL 34275 (941) 480-1600	REGISTRATION #29296	04/04/12	JENS ROSOWSKI	11005-1	I
<b>PGI</b> Custom Windows and Doors 1070 TECHNOLOGY DRIVE N. VENICE, FL 34275 (941) 480-1600	ALUM. FRENCH DOOR & SIDE LITES (LM)	SIDE LITES INSTALL DETAILS	FD101-LM	15 OF 15	Sheet

