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 Revision stamp with the Notice of Acceptance number and Expiration date by the Miami–Dade County Product Control Section.

MISSILE IMPACT RATING: Large and Small Missile Impact Resistant

Limitations:
1. 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 #17-0504.01** and consists of this page 1 and evidence pages E-1, E-2 & E-3, as well as approval document mentioned above.
The submitted documentation was reviewed by **Ishaq I. Chanda, P.E.** Ishaq I. Chanda

MIAMI-DADE COUNTY APPROVED

NOA No. 20-0427.01
Expiration Date: October 18, 2022
Approval Date: September 03, 2020

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. 20-0427.01
Expiration Date: October 18, 2022
Approval Date: September 03, 2020

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. 20-0427.01
Expiration Date: October 18, 2022
Approval Date: September 03, 2020

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

3. 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. 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. 20-0427.01
Expiration Date: October 18, 2022
Approval Date: September 03, 2020

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.)

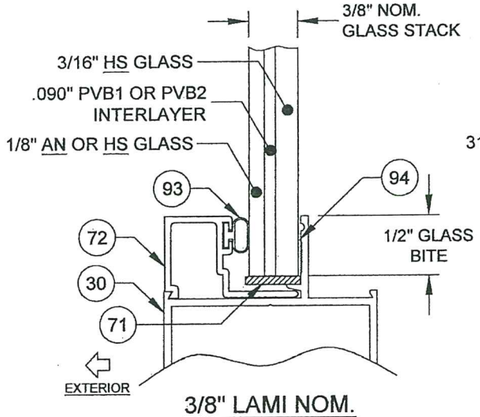
1) ALL ANCHOR HEAD TYPES ARE APPLICABLE.
2) MIN. OF 3 THREADS BEYOND METAL SUBSTRATE.
3) METAL SUBSTRATE TO MEET MIN. STRENGTH AND THICKNESS REQUIREMENTS PER CURRENT FLORIDA BUILDING CODE AND TO BE REVIEWED BY THE AUTHORITY HAVING JURISDICTION.

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

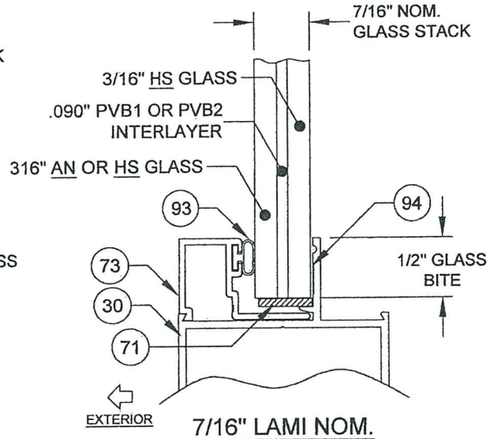
GENERAL NOTES..... 1
GLAZING DETAILS..... 1
DESIGN PRESSURES..... 2
VERT. SECTIONS..... 3
HORIZ. SECTIONS..... 4
PARTS LIST..... 5
EXTRUSIONS..... 6
ANCHOR QUANTITY..... 7-13
INSTALLATION..... 14-15

CODES / STANDARDS USED:

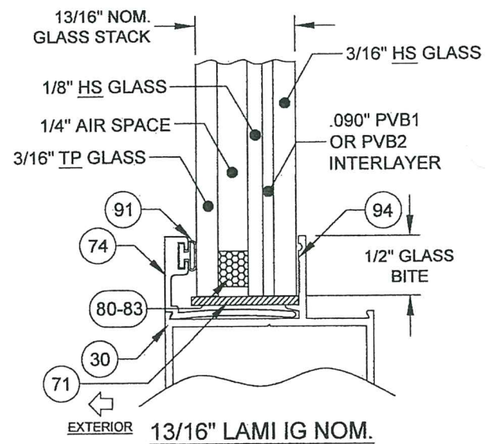
- 2020 FLORIDA BUILDING CODE (FBC), 7TH EDITION
- 2017 FLORIDA BUILDING CODE (FBC), 6TH EDITION
- ASTM E1300-09
- ANSI/AF&PA NDS-2018 FOR WOOD CONSTRUCTION
- ALUMINUM DESIGN MANUAL, ADM-2015
- AISI S100-16
- AISC 360-16



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 REVIEWED
as complying with the Florida Building Code
Acceptance No. 20-0427.01
Expiration Date OCT 18, 2022
By: Ishmael Hernandez
Building Code Product Control

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

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

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

Title: ALUM. FRENCH DOOR & SIDE LITES, LM
Desc.: NOTES AND GLZ. DETAILS

PGT® 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 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 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

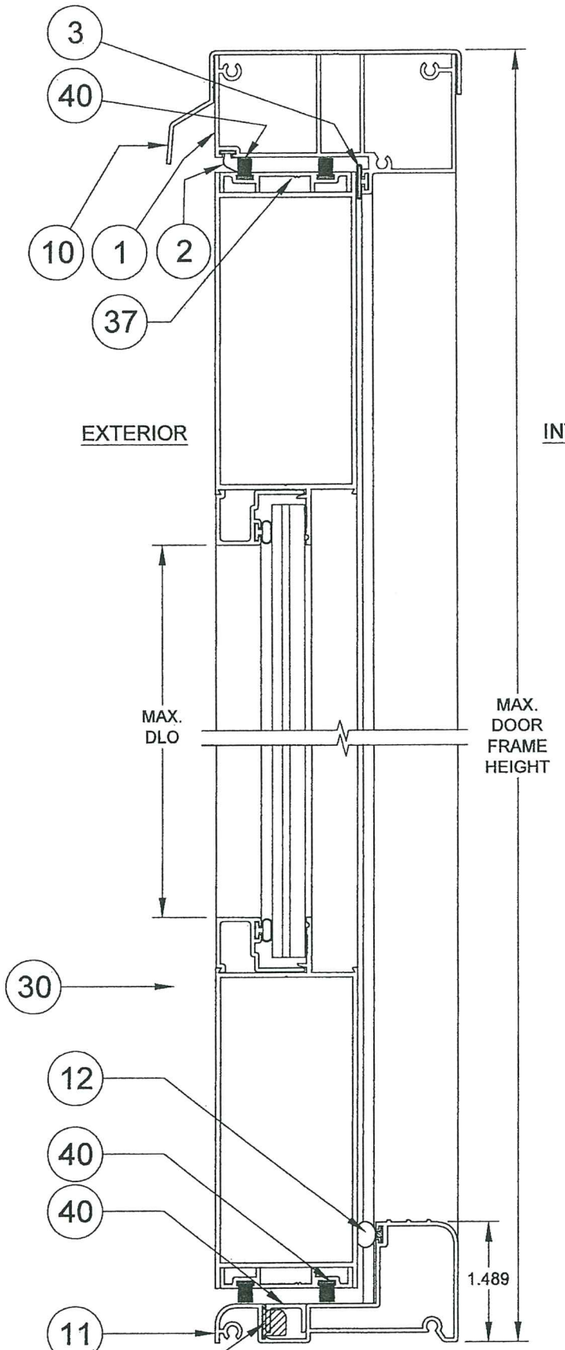
PGT® REGISTRATION #29296

Series	Desc. / Title	Scale	Sheet	DWG No.	Drawn By	Date	Rev.
FD-101 LM	DESIGN PRESSURES	NTS	2 OF 15		JENS ROSOWSKI	04/04/12	H

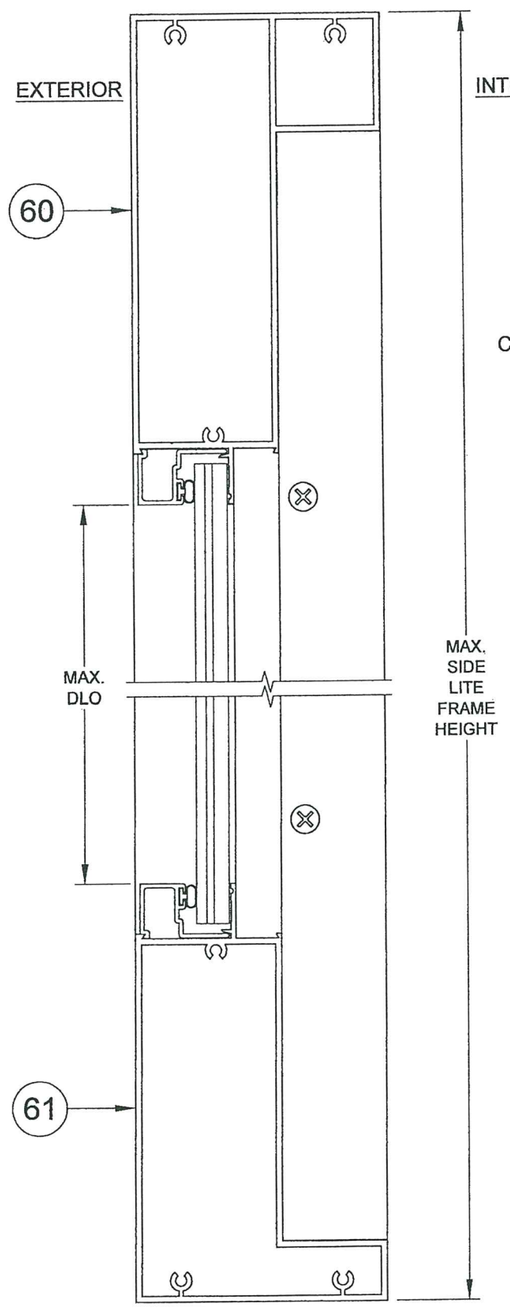
ALUM. FRENCH DOOR & SIDE LITES, LM — 11005-1

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

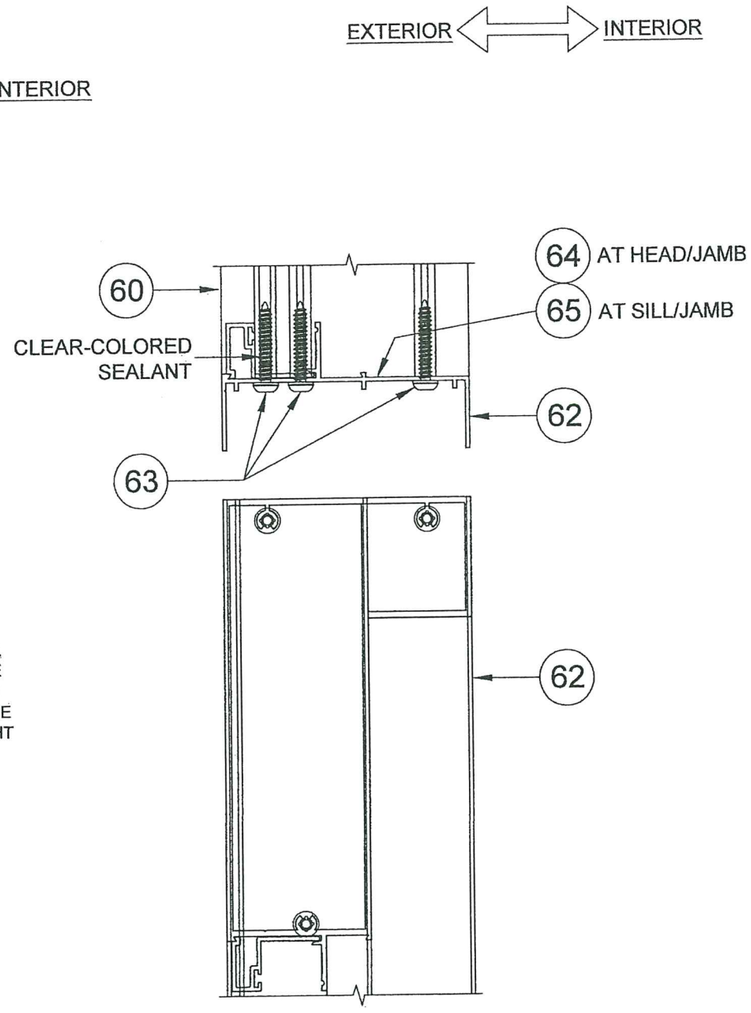
A. LYNN MILLER, P.E.
P.E.# 58705



DOOR SECT. A-A
VERTICAL



SL SECT. B-B
VERTICAL



SL VIEW G-G
CORNER ASSEMBLY

PRODUCT 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

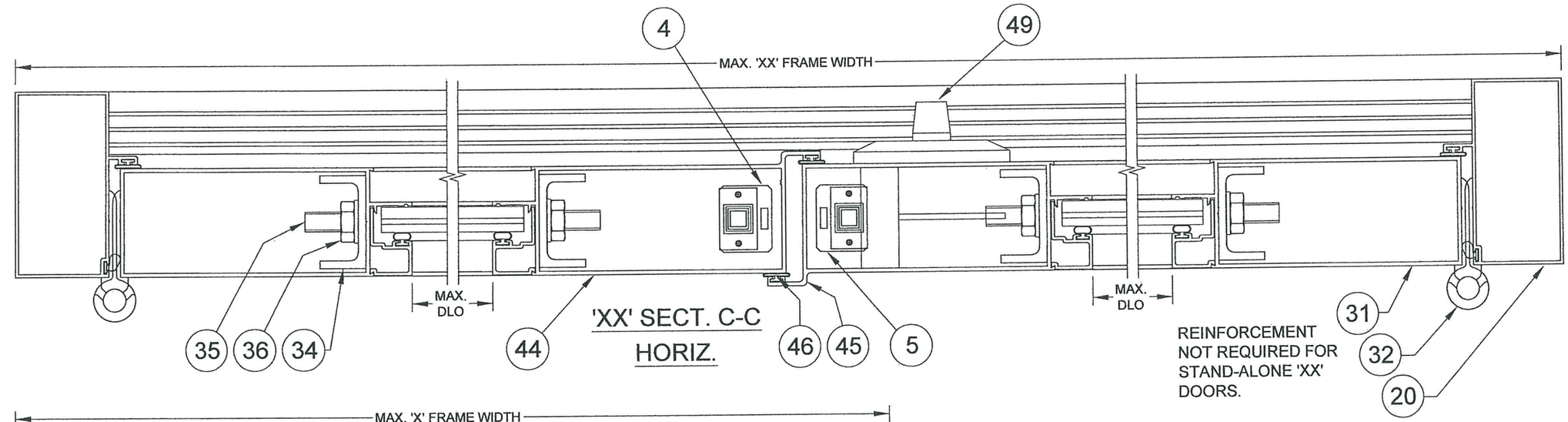
REGISTRATION #29296

Series	Desc.	Title	Date	Drawn By	DWG No.	Rev.
FD-101 LM	VERTICAL SECTIONS	ALUM. FRENCH DOOR & SIDE LITES, LM	04/04/12	JENS ROSOWSKI	11005-1	H

Scale	Sheet
NTS	3 OF 15

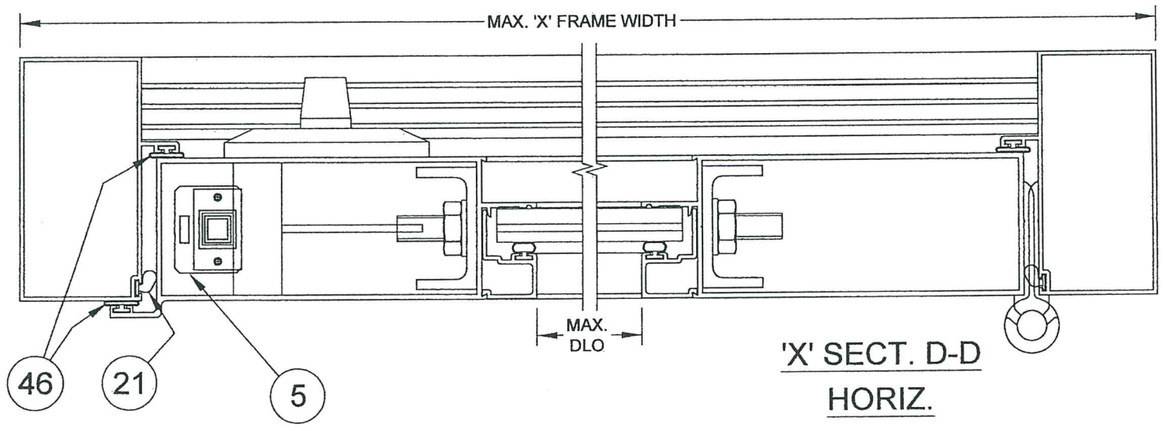
ANTHONY LYNN MILLER
LICENSE
No. 58705
4/20/20
STATE OF
FLORIDA
PROFESSIONAL ENGINEER

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



'XX' SECT. C-C
HORIZ.

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

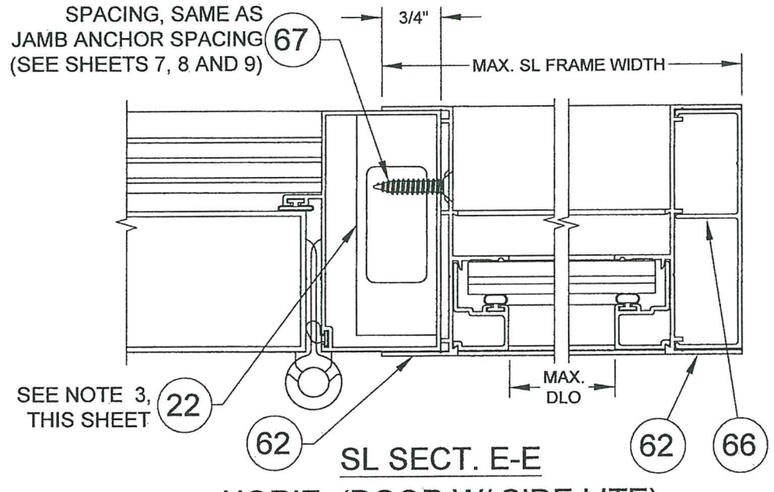


'X' SECT. D-D
HORIZ.

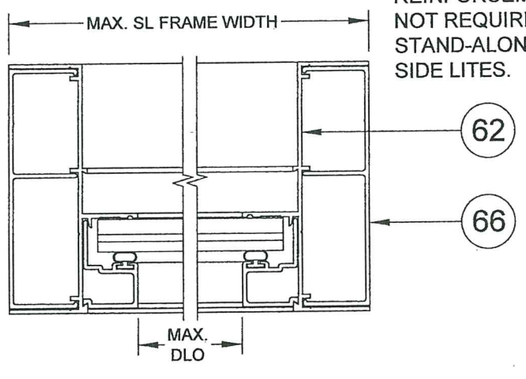
REINFORCEMENT NOT REQUIRED FOR STAND-ALONE 'X' DOORS.

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 REVISED
as complying with the Florida Building Code
Acceptance No 20-0427.01
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By
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

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

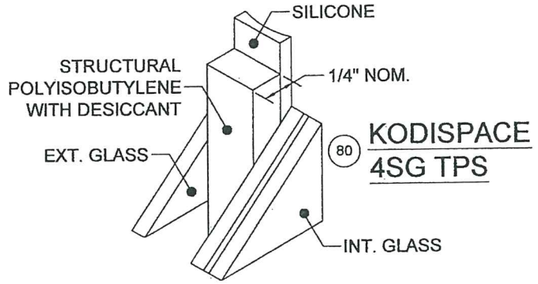
Desc.	Drawn By	DWG No.	Sheet	Scale
HORIZONTAL SECTIONS	JENS ROSOWSKI	11005-1	4 OF 15	NTS

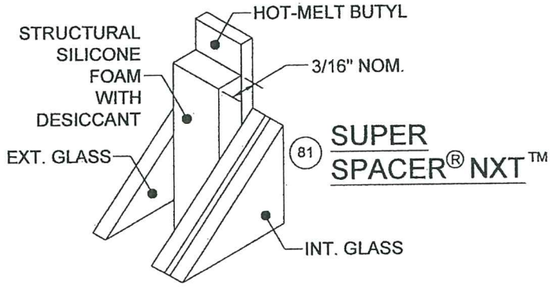
ANTHONY LYNN MILLER
LICENSE
No. 58705
STATE OF FLORIDA
PROFESSIONAL ENGINEER
9/12/20

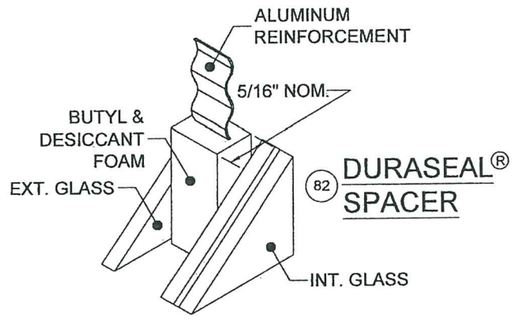
A. LYNN MILLER, P.E.
P.E.# 58705

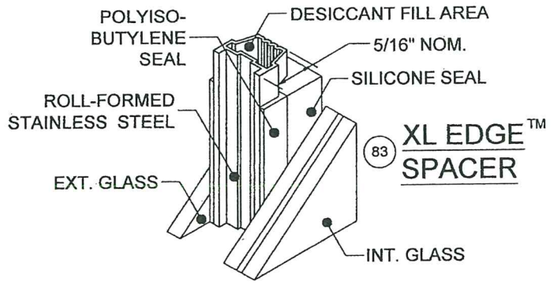
ITEM	DWG #	PGT#	DESCRIPTION
1	943B	60411	FRAME HEAD
2	1010	6Q300	WSTP.,Q-LON .190 X .375 HIGH
3	7070	67070K	BULB WEATHERSTRIP .187 X .300 HIGH
4	955	7955X	FLUSHBOLT STRIKEPLATE
5	938	7938X	2 PT. LOCK STRIKEPLATE
6	956	7956A	FRAME HEAD STRIKEPLATE BACKING PLATE
7		7832X12FPXP	#8-32 X .500 PH. FL. MS -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



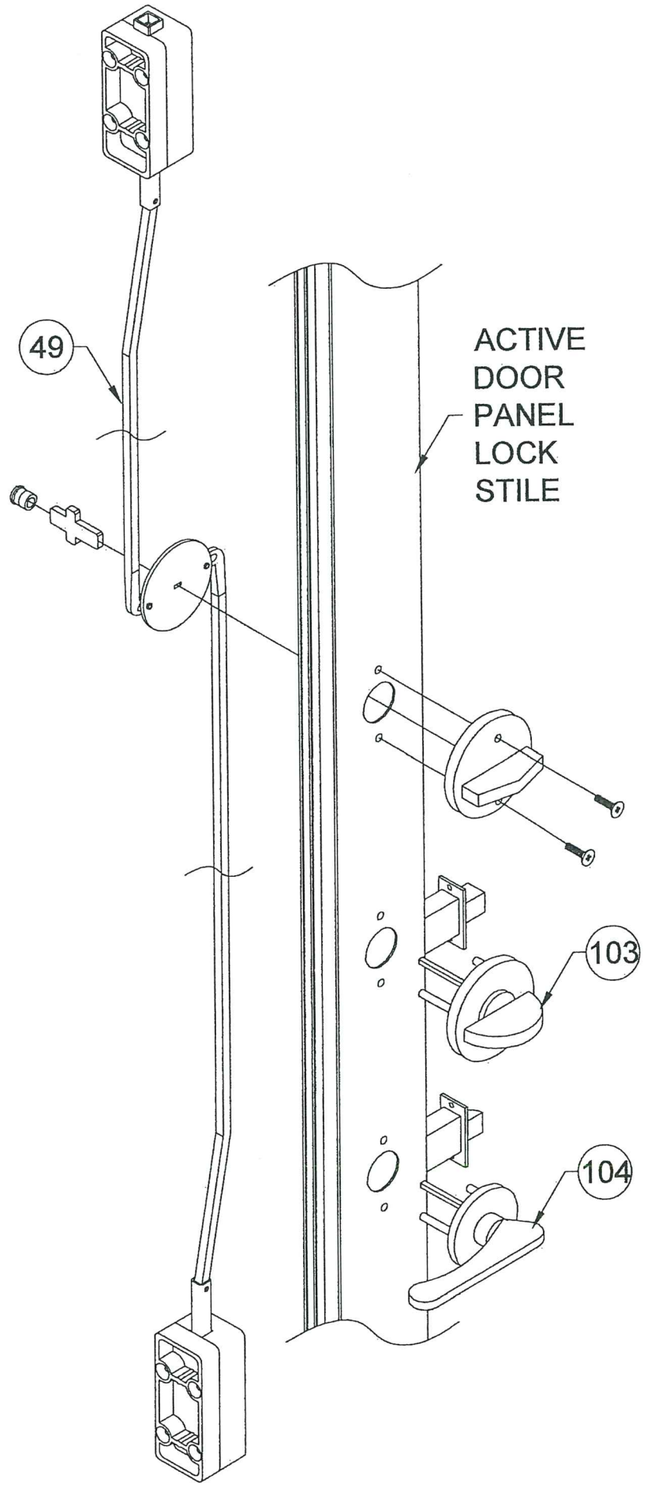






Part #	Description	Material
80	Kommerling 4SG TPS Spacer System	See this Sheet for Materials
81	Quanex Super Spacer nXT with Hot Melt Butyl	
82	Quanex Duraseal Spacer	
83	Cardinal XL Edge Spacer	

REFERENCE TEST REPORTS: FTL-8717, 8968 & 8970



PRODUCT REVIEWED
as complying with the Florida Building Code
Acceptance No. 20-0427-01
Expiration Date 10/18/22
By: Miami-Dade Product Control

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

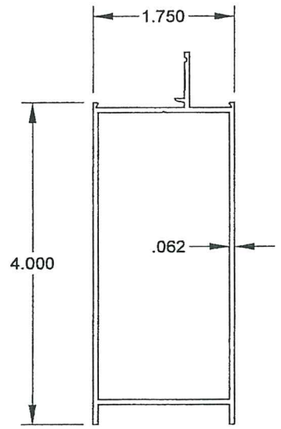
1070 TECHNOLOGY DRIVE
N. VENICE, FL 34275
(941)-480-1600

PGT® REGISTRATION #29296

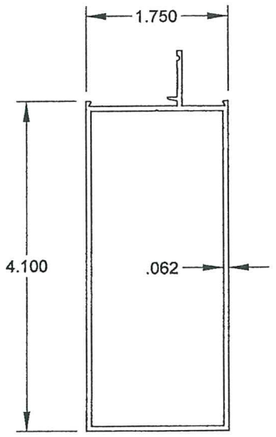
Series	Desc. / Title	Date	Rev.
FD-101 LM	ALUM. FRENCH DOOR & SIDE LITES, LM	04/04/12	H
Scale	BOM AND SPACER DETAILS	Drawn By	
NTS		JENS ROSOWSKI	
Sheet		DWG No.	
5 OF 15		11005-1	

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

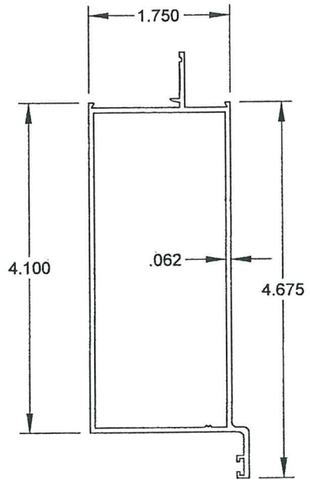
A. LYNN MILLER, P.E.
P.E.# 58705



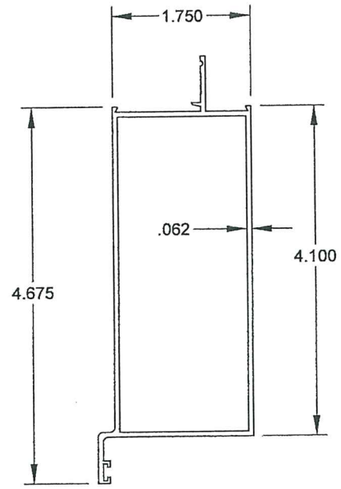
30 DOOR PANEL
TOP & BOTTOM RAIL
6063-T5



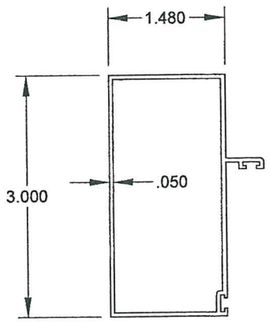
31 DOOR PANEL
SIDE RAIL
6063-T5



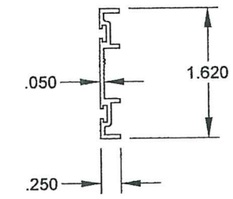
44 DOOR PANEL
INTERIOR ASTRAGAL
6063-T5



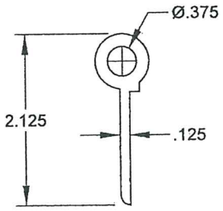
45 DOOR PANEL
EXTERIOR ASTRAGAL
6063-T5



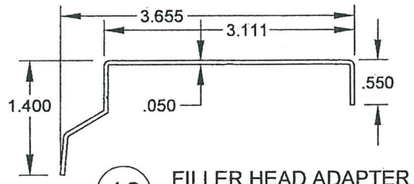
20 DOOR FRAME
JAMB
6063-T6



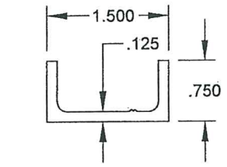
37 WEATHER
STRIP CHANNEL
6063-T5



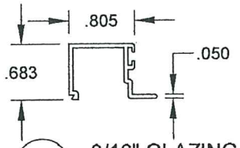
32 HINGE
6063-T5



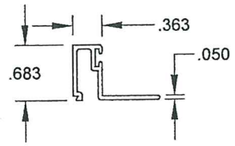
10 FILLER HEAD ADAPTER
6063-T6



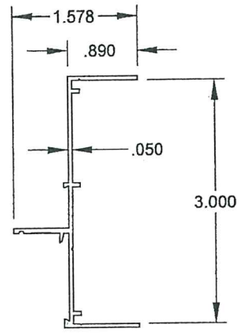
34 TRUSS CLAMP
6063-T5



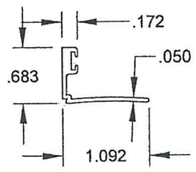
74 3/16" GLAZING BEAD
6063-T5



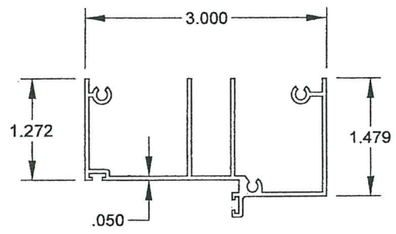
76 5/8" GLAZING BEAD
6063-T5



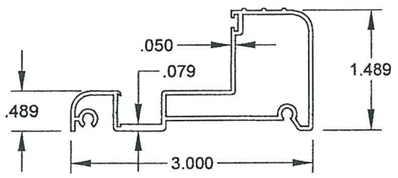
62 SL JAMB
6063-T6



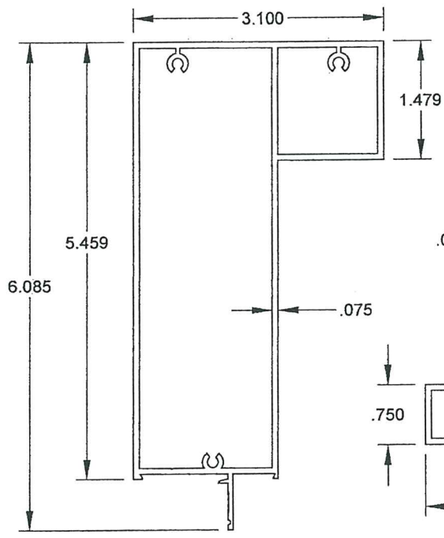
74 IG GLAZING BEAD
6063-T5



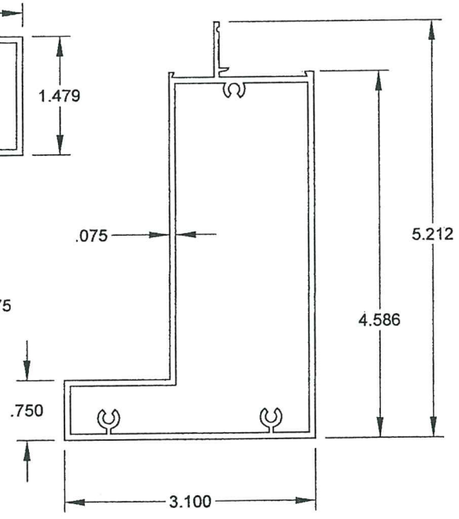
1 FRAME HEAD
6063-T6



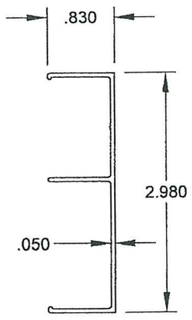
11 OUTSWING THRESHOLD
6063-T6



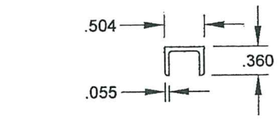
60 SL HEADER
6063-T6



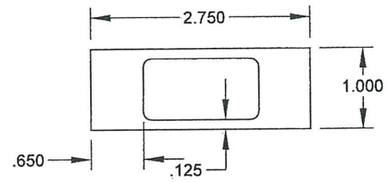
61 SL SILL
6063-T6



66 SL JAMB
ADAPTER
6063-T6



13 OUTSWING THRESHOLD
CHANNEL COVER
6063-T6



22 TUBE MULL
6063-T6

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

Revision
H) CORRECTED TUBE MULL TEMPER. - AK - 04/15/20

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

PGT® REGISTRATION #29296

Series	Desc.	Title
FD-101 LM	EXTRUSIONS	ALUM. FRENCH DOOR & SIDE LITES, LM

Scale	Sheet
NTS	6 OF 15

DWG No.	Drawn By	Date	Rev.
11005-1	JENS ROSOWSKI	04/04/12	H

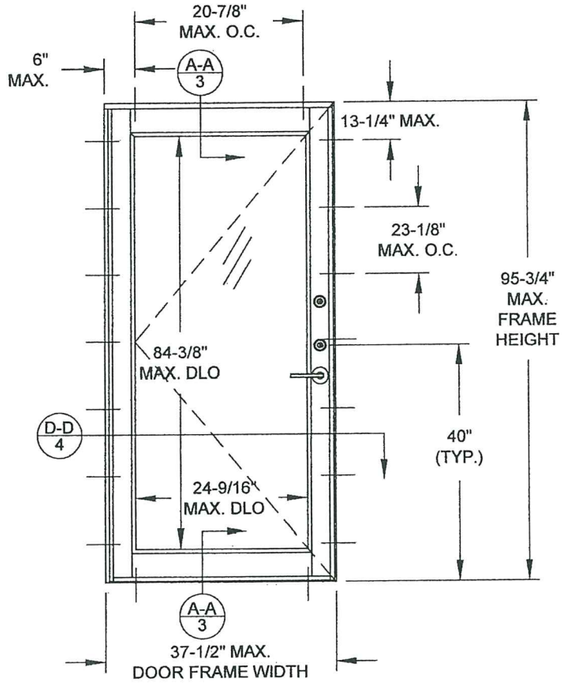
ANTHONY LYNN MILLER
LICENSE
No. 58705
4/20/20
STATE OF FLORIDA
PROFESSIONAL ENGINEER

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

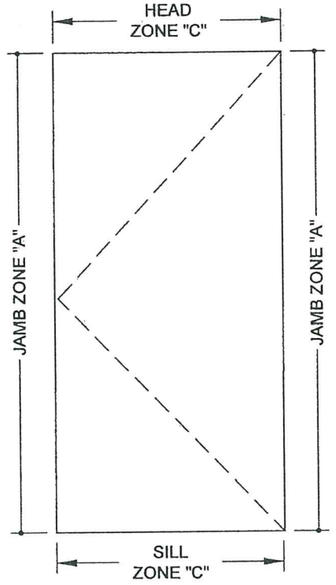
TABLE 5:

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

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 INSTALLATION DETAILS SEE SHEET 14.

PRODUCT REVIEWED
as complying with the Florida
Building Code
Acceptance No. 20-0427.01
Expiration Date 10/18/22
By [signature]
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

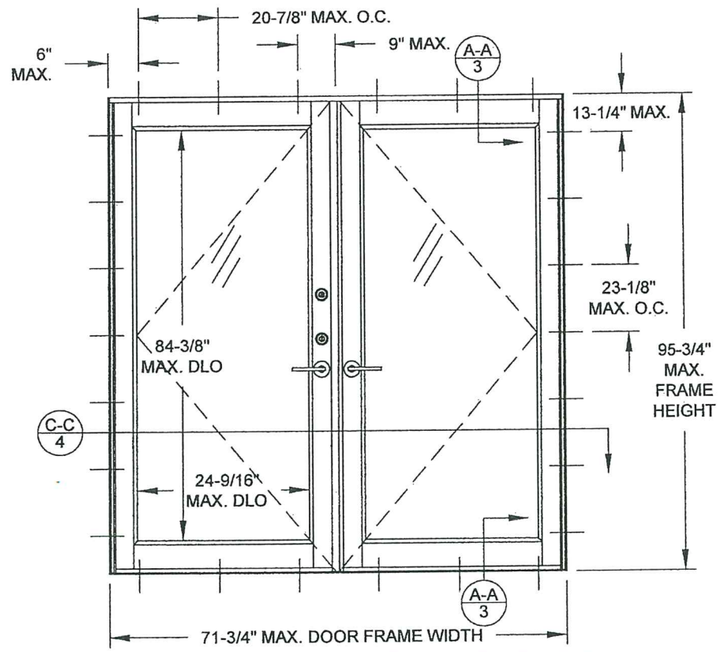
ANTHONY LYNN MILLER
LICENSE
No. 58705
STATE OF FLORIDA
PROFESSIONAL ENGINEER
4/20/20

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

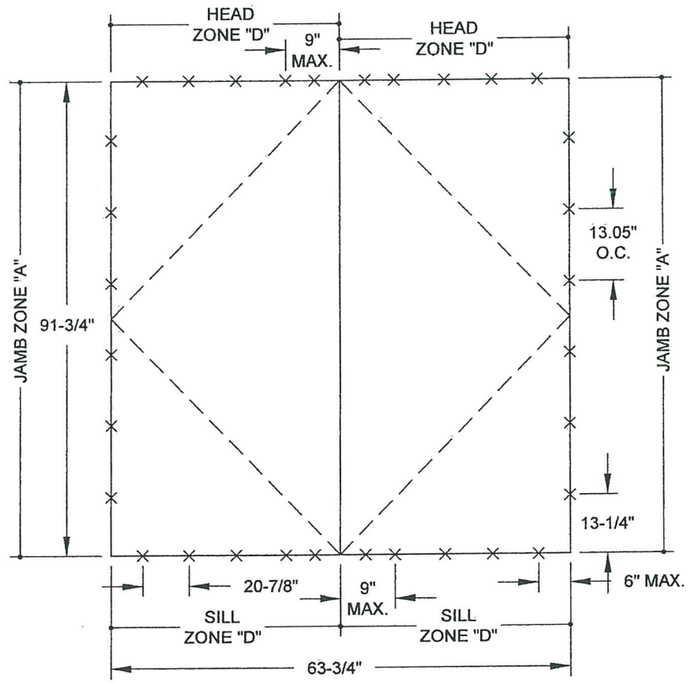
TABLE 6:

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 REVISED
as complying with the Florida Building Code
Acceptance No. 20-0427-01
Expiration Date 10/18/22
By: 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 XX DETAILS	NTS	8 OF 15	11005-1	JENS ROSOWSKI	04/04/12	H

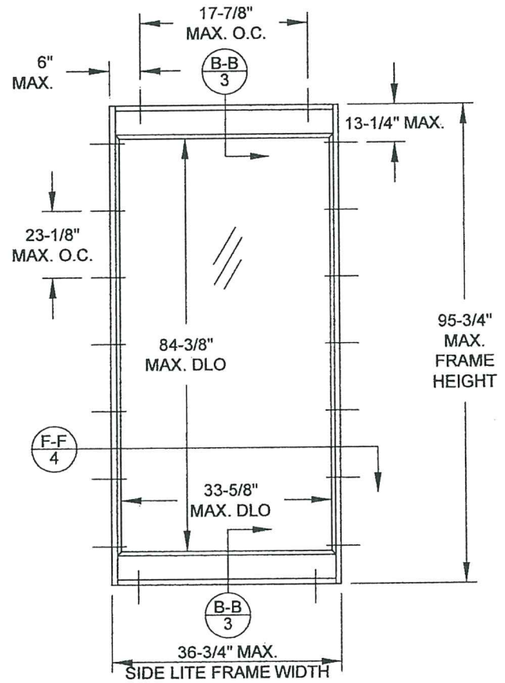
ANTHONY LYNN MILLER
LICENSE
No. 58705
STATE OF FLORIDA
PROFESSIONAL ENGINEER
4/20/20

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

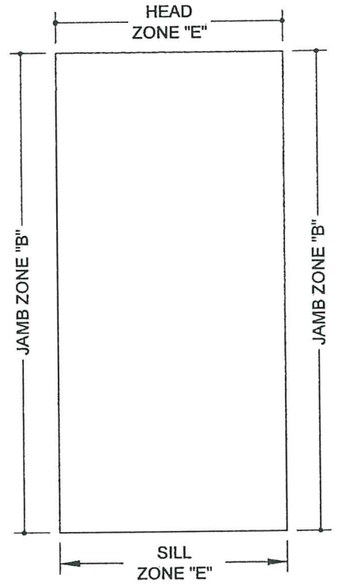
TABLE 7:

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

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

PRODUCT REVIEWED
as complying with the Florida Building Code
Acceptance No. 20-0427.01
Expiration Date 10/18/22
By: Anthony L. Miller
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	Title	Sheet	Scale	DWG No.	Drawn By	Date	Rev.
FD-101 LM	O DETAILS	9 OF 15	NTS	11005-1	JENS ROSOWSKI	04/04/12	H

ALUM. FRENCH DOOR & SIDE LITES, LM

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

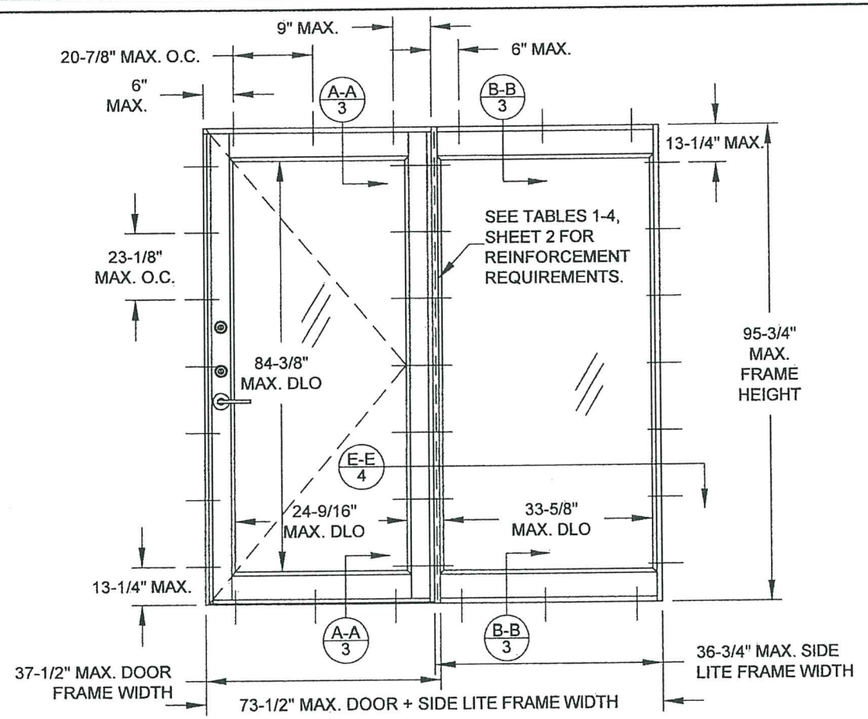
A. LYNN MILLER, P.E.
P.E.# 58705

TABLE 8:

XO & OX, ALL GLASS TYPES

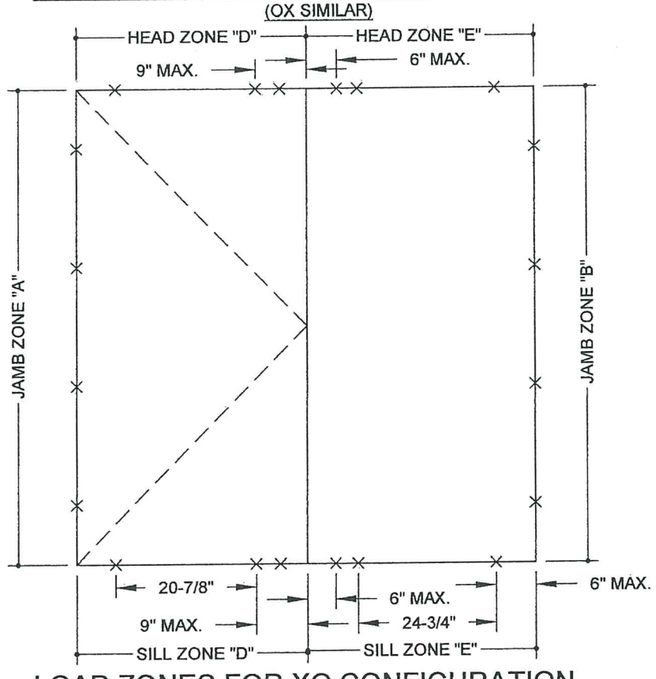
ANCHOR TYPE & SUBSTRATE			2, 3, WOOD 3 ALUM				1,2, CONC			
			LOAD ZONES							
MAX. SIDE LITE FRAME WIDTH	MAX 'X' DOOR FRAME WIDTH	MAX. FRAME HEIGHT	O - JAMB "B"	O - HEAD/SILL "E"	X - HEAD/SILL "D"	X - JAMB "A"	O - JAMB "B"	O - HEAD/SILL "E"	X - HEAD/SILL "D"	X - JAMB "A"
10.75	25.50	79.75	4	2	3	5	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 REVIEWED as complying with the Florida Building Code
Acceptance No. 20-0427.01
Expiration Date 10/18/27
By [signature]
Miami-Dade Product Control

Revision	
H	H) NO CHANGES THIS SHEET. - 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, LM XO & OX DETAILS	10 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

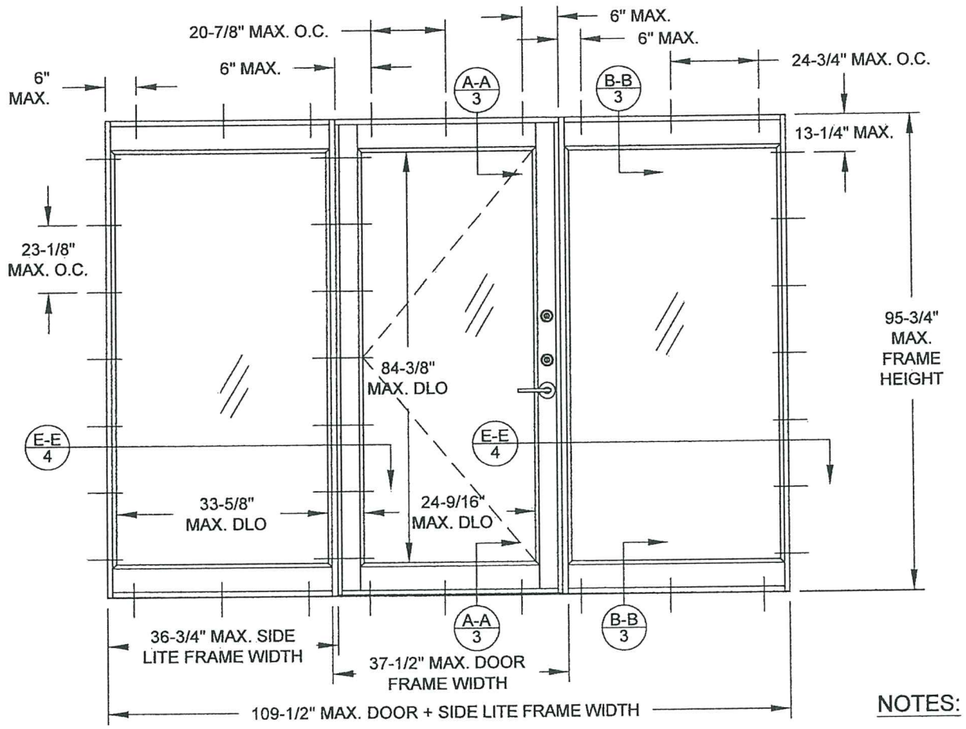
A. LYNN MILLER, P.E.
P.E.# 58705

TABLE 9:

OXO, ALL GLASS TYPES

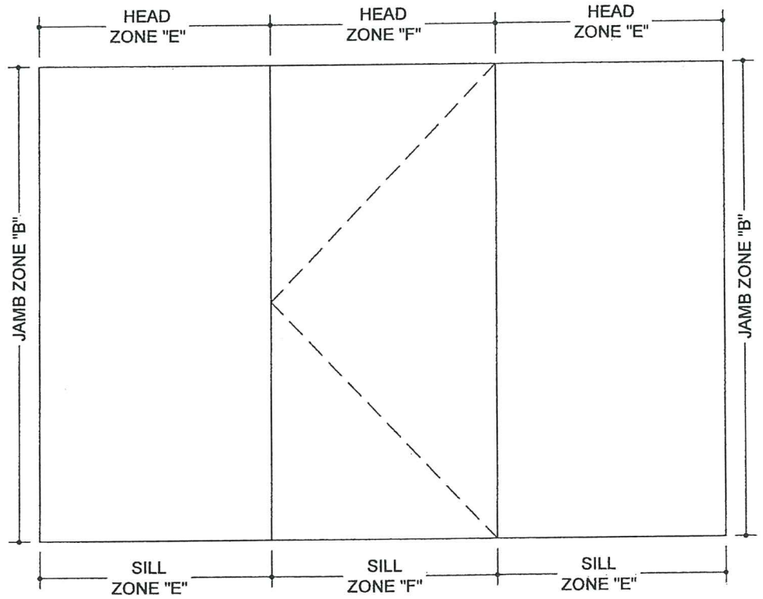
ANCHOR TYPE & SUBSTRATE			2, 3, WOOD 3 ALUM			1,2, CONC		
			LOAD ZONES					
MAX SIDE LITE FRAME WIDTH	MAX 'X' DOOR FRAME WIDTH	MAX FRAME HEIGHT	O - JAMB "B"	O - HEAD/SILL "E"	X - HEAD/SILL "F"	O - JAMB "B"	O - HEAD/SILL "E"	X - HEAD/SILL "F"
10.75	25.50	79.75	4	2	7	4	2	3
		83.75	4	2	7	4	2	3
		87.75	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 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

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

Desc.	Drawn By	DWG No.
OXO DETAILS	JENS ROSOWSKI	11005-1

Scale	Sheet
NTS	11 OF 15

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

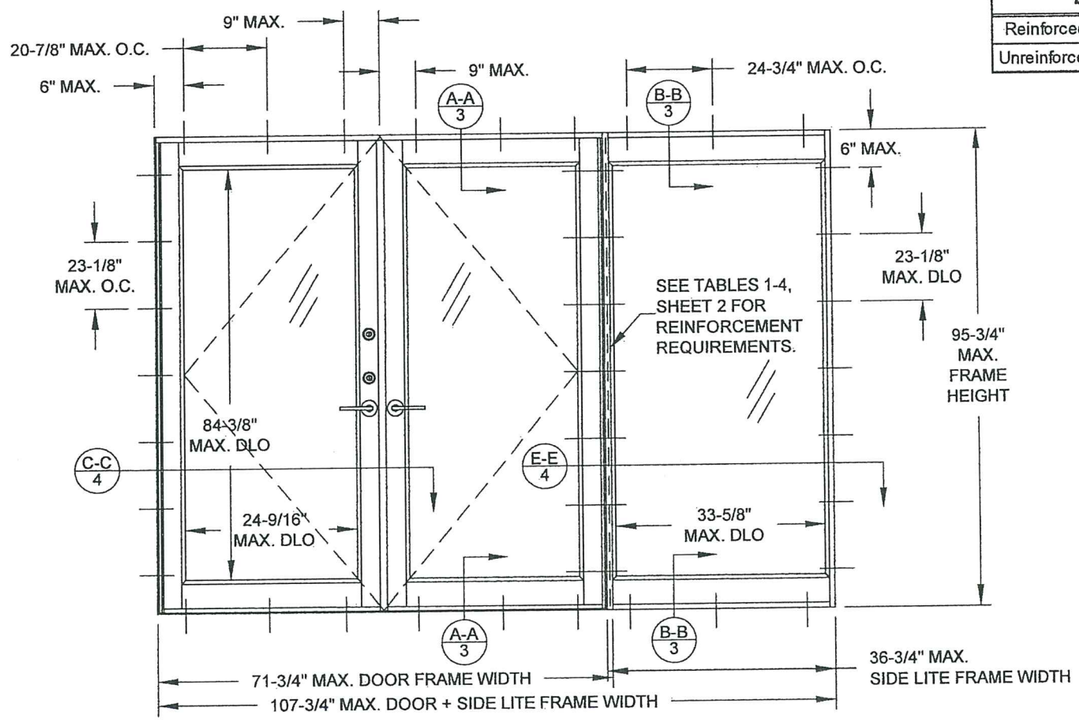
A. LYNN MILLER, P.E.
P.E.# 58705

TABLE 10:

XXO & OXX, ALL GLASS TYPES

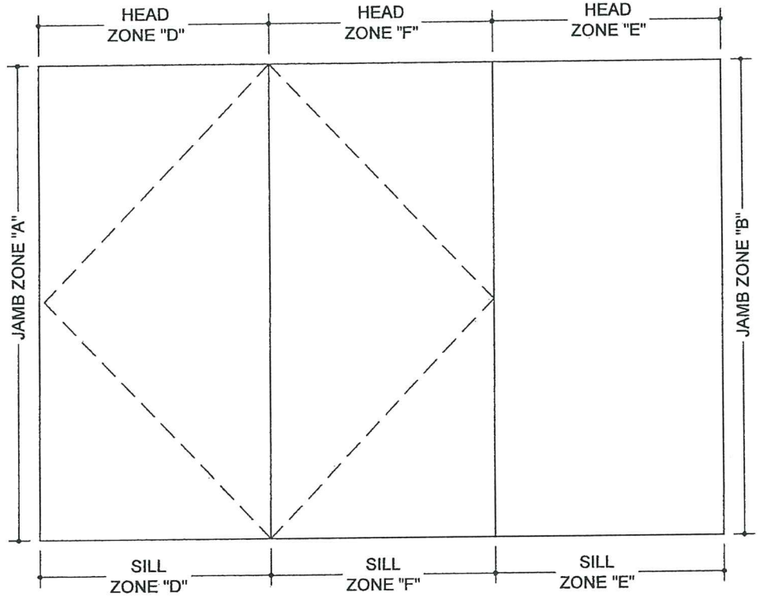
ANCHOR TYPE & SUBSTRATE			2, 3, WOOD 3 ALUM					1,2, CONC				
			LOAD ZONES									
MAX. SIDE LITE FRAME WIDTH	MAX. 'XX' DOOR FRAME WIDTH	MAX. FRAME HEIGHT	O - JAMB "B"	O - HEAD/SILL "E"	XX - JAMB "A"	XX - HEAD/SILL "D"	XX - HEAD/SILL "F"	O - JAMB "B"	O - HEAD/SILL "E"	XX - JAMB "A"	XX - HEAD/SILL "D"	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 REVIEWED as complying with the Florida Building Code Acceptance No. 20-0427.01 Expiration Date 10/18/22 By: 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	Title	Desc.	Scale	Sheet	DWG No.	Drawn By	Date	Rev.
FD-101 LM	ALUM. FRENCH DOOR & SIDE LITES, LM	XXO & OXX DETAILS	NTS	12 OF 15	11005-1	JENS ROSOWSKI	04/04/12	H

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

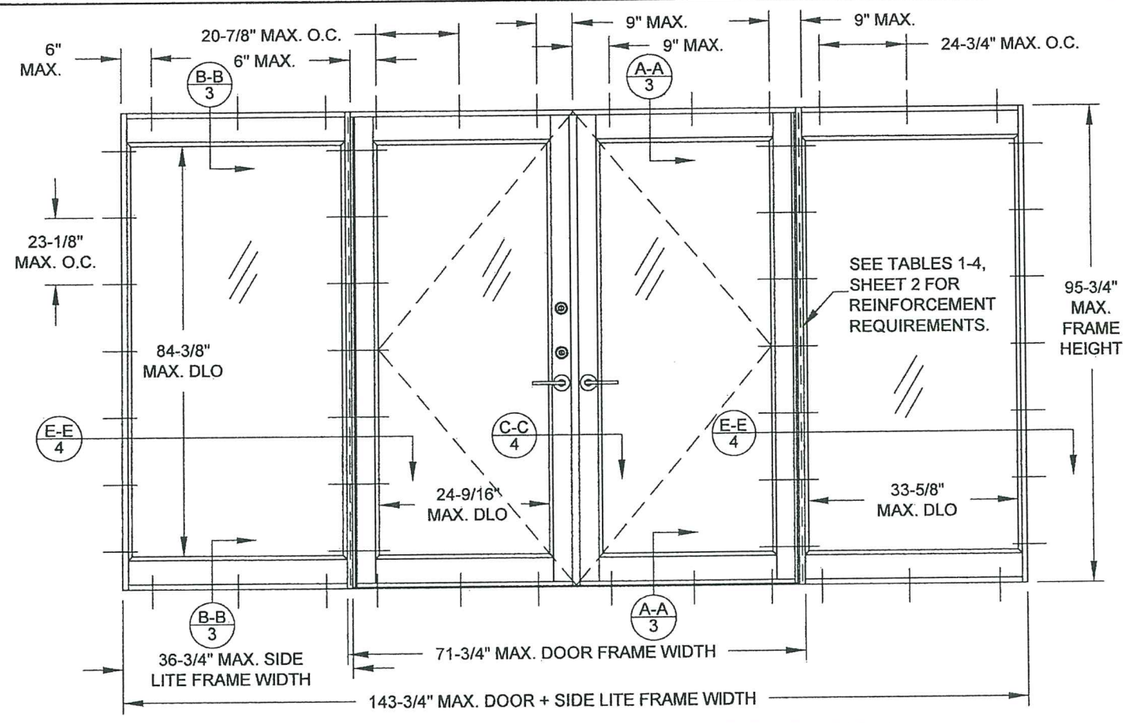
A. LYNN MILLER, P.E.
P.E.# 58705

TABLE 11:

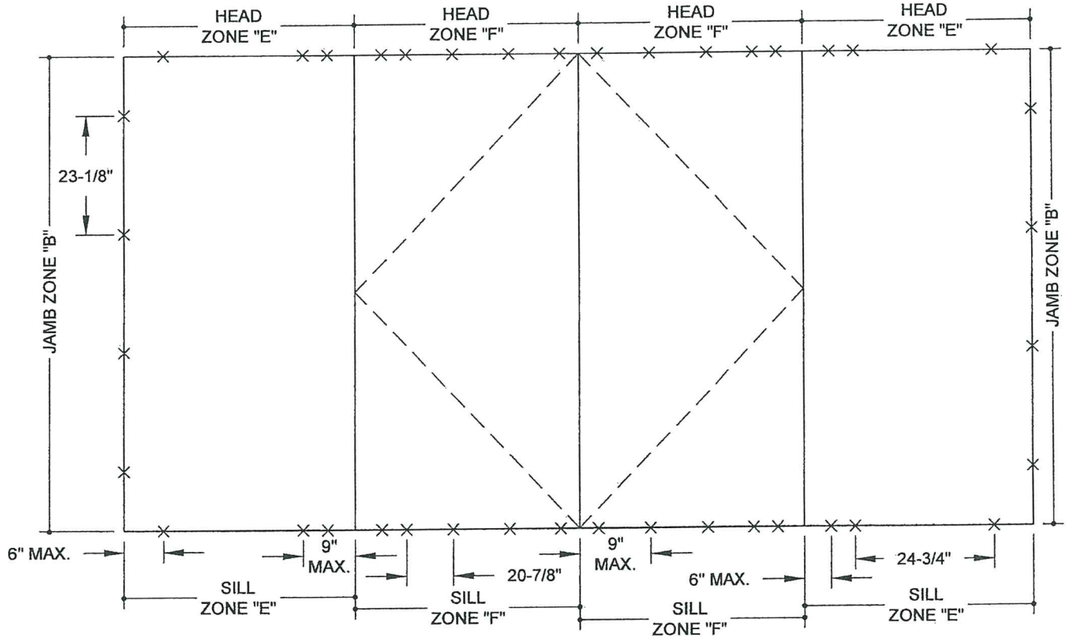
OXXO, ALL GLASS TYPES

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

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

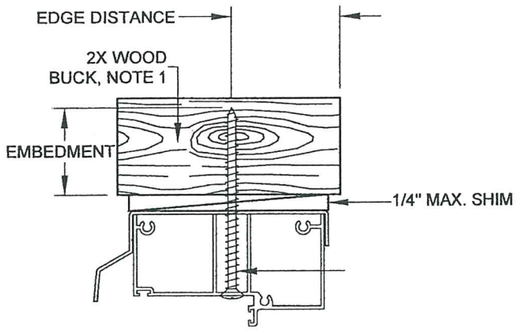
1070 TECHNOLOGY DRIVE
N. VENICE, FL 34275
(941)-480-1600

REGISTRATION #29296

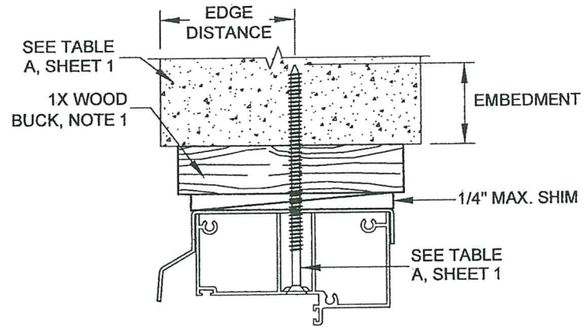
Series	Title	Scale	Sheet	DWG No.	Drawn By	Date	Rev.
FD-101 LM	ALUM. FRENCH DOOR & SIDE LITES, LM	NTS	13 OF 15	11005-1	JENS ROSOWSKI	04/04/12	H
	OXXO DETAILS						

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

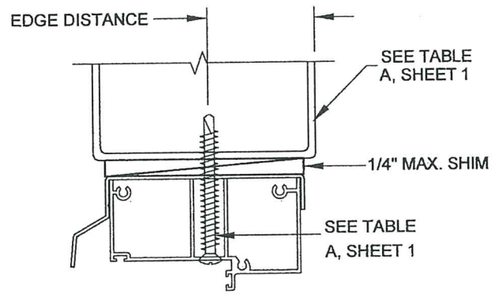
A. LYNN MILLER, P.E.
P.E.# 58705



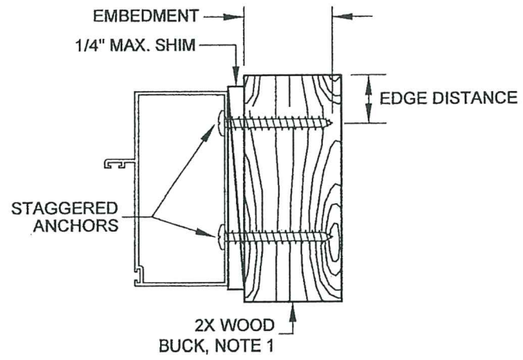
DOOR HEAD (WOOD)



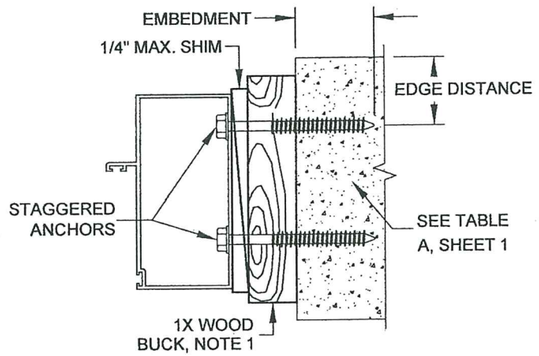
DOOR HEAD (CONC)



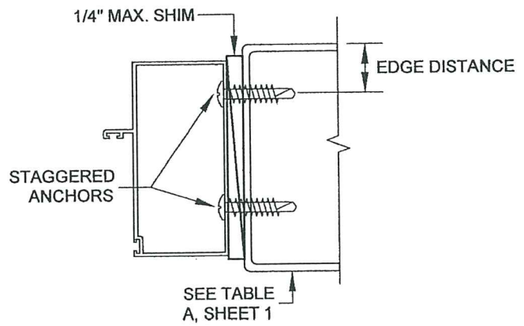
DOOR HEAD (ALUMINUM)



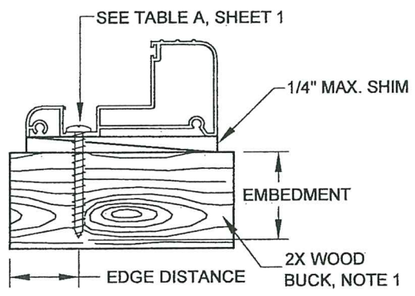
DOOR JAMB (WOOD)



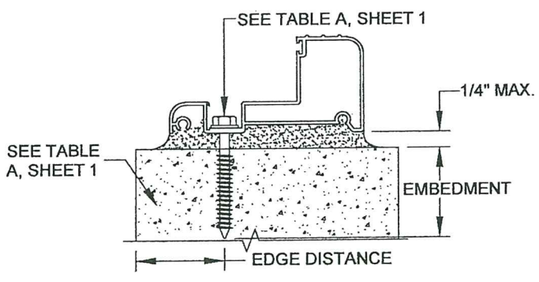
DOOR JAMB (CONC)



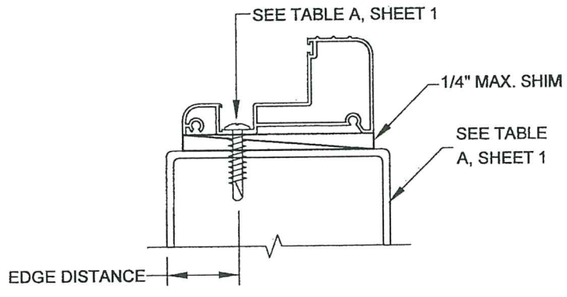
DOOR JAMB (ALUMINUM)



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..

EXTERIOR INTERIOR
(ALL HEAD & SILL SECTIONS)

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

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

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

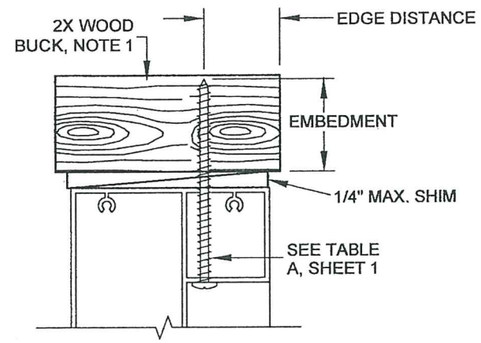
REGISTRATION #29296

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

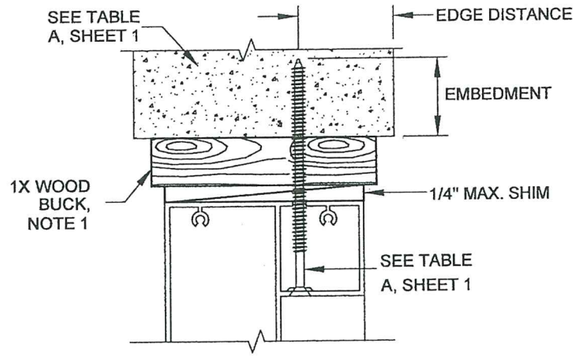
Scale	Sheet
NTS	14 OF 15

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

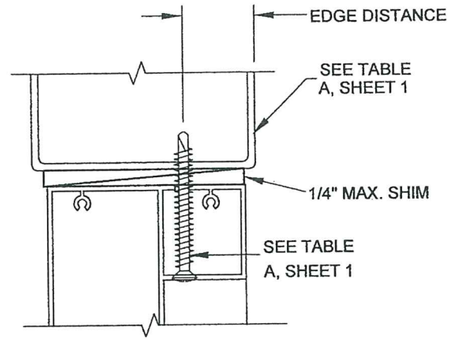
A. LYNN MILLER, P.E.
P.E.# 58705



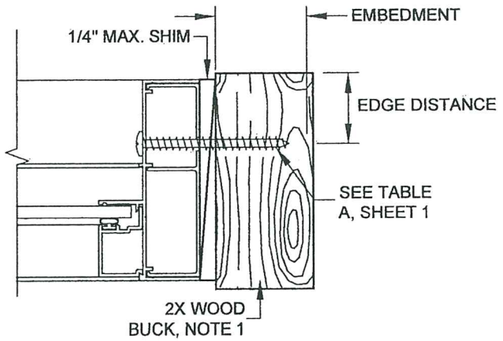
SIDE LITE HEAD (WOOD)



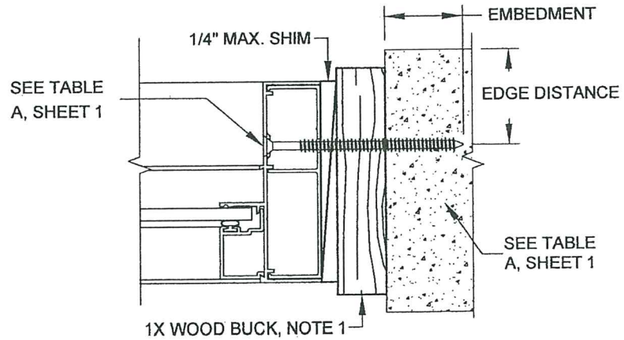
SIDE LITE HEAD (CONC)



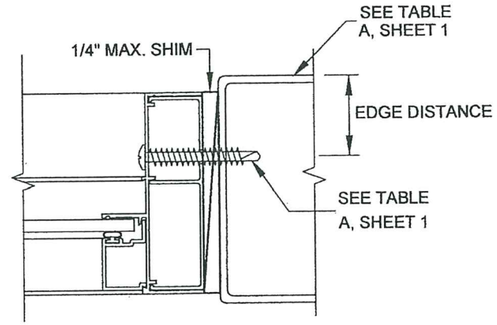
SIDE LITE HEAD (ALUMINUM)



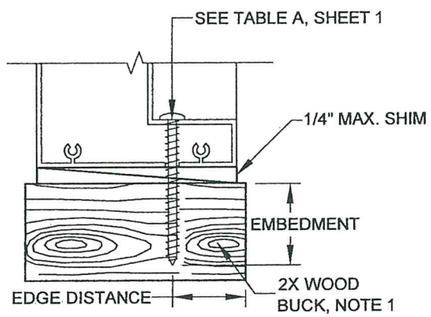
SIDE LITE JAMB (WOOD)



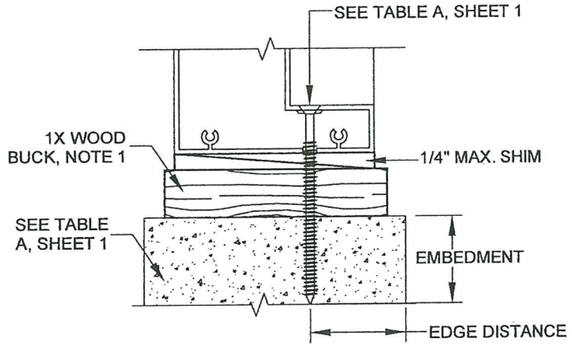
SIDE LITE JAMB (CONC)



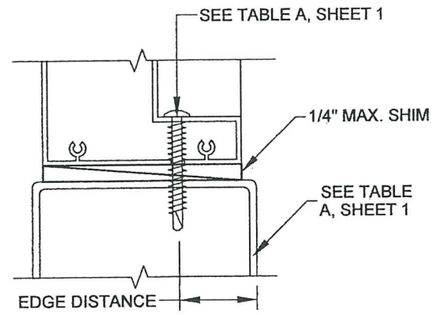
SIDE LITE JAMB (ALUMINUM)



SIDE LITE SILL (WOOD)



SIDE LITE SILL (CONC)



SIDE LITE 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 REVIEWED
as complying with the Florida Building Code
Acceptance No 20-0427.01
Expiration Date OCT 10, 2022
By
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	SIDE LITE INSTALL DETAILS	JENS ROSOWSKI	11005-1

Sheet
15 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