



DEPARTMENT OF REGULATORY AND ECONOMIC RESOURCES (RER)
BOARD AND CODE ADMINISTRATION DIVISION
NOTICE OF ACCEPTANCE (NOA)

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

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 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., 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 required, 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 #16-0629.17 and consists of this page 1 and evidence pages E-1 & E-2, as well as approval document mentioned above.

The submitted documentation was reviewed by **Ishaq I. Chanda, P.E.**



NOA No. 17-0504.01
Expiration Date: October 18, 2022
Approval Date: September 28, 2017
Page 1

8/9/2017

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/ ASTM E-1300-02, 04 & -09.

D. QUALITY ASSURANCE

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



Ishaq I. Chanda, P.E.
Product Control Examiner
NOA No. 17-0504.01
Expiration Date: October 18, 2022
Approval Date: September 28, 2017

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. New Evidence submitted

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/ ASTM E-1300-02, 04 & -09.

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

E. MATERIAL CERTIFICATIONS

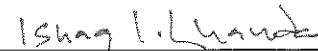
1. Notice of Acceptance No. **16-1117.01** issued to Kuraray America, Inc. (former E.I. DuPont DeNemours & Co., Inc.) for “**Trosifol: Ultra clear, clear & color PVB glass interlayer**” (former “Kuraray **Butacite PVB Interlayer**”), expiring on 07/08/19.
2. Notice of Acceptance No. **15-1201.11** issued 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(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.



Ishag I. Chanda, P.E.

Product Control Examiner

NOA No. 17-0504.01

Expiration Date: October 18, 2022

Approval Date: September 28, 2017

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

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

TABLE 1:

DESIGN PRESSURES FOR REINFORCED <u>DOORS</u> , ALL GLASS TYPES											
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 REINFORCED SIDE LITES											
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).

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 UNREINFORCED DOORS, ALL GLASS TYPES											
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 UNREINFORCED SIDE LITES											
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

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

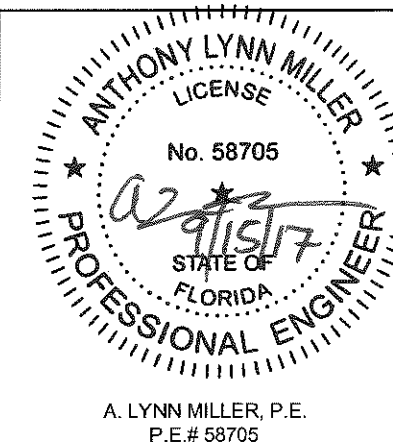
7) CONFIGURATIONS WHERE THE DOOR LOCKSTILE ABUTS A SIDELITE ARE NOT AVAILABLE WITH REINFORCEMENT.

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")

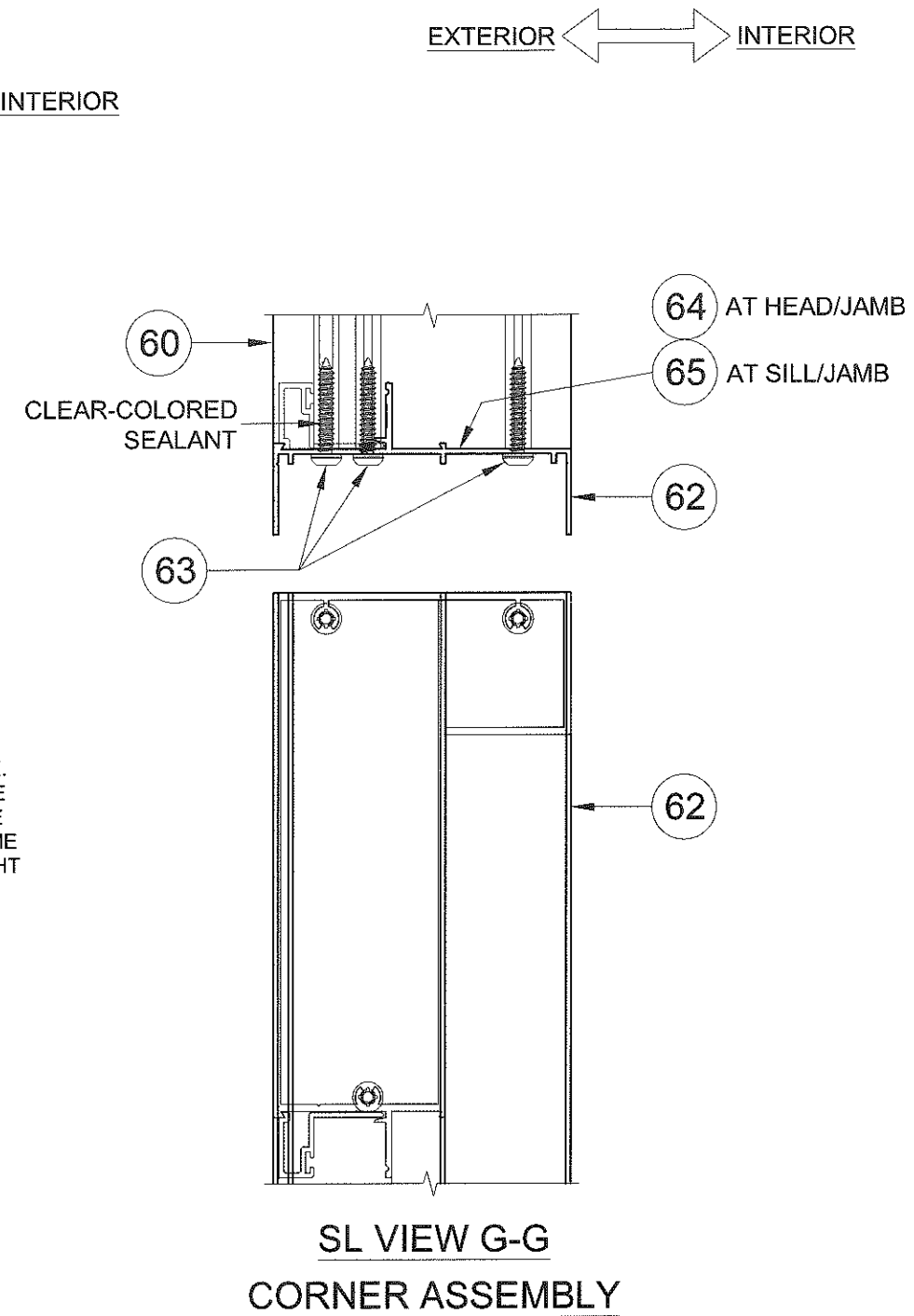
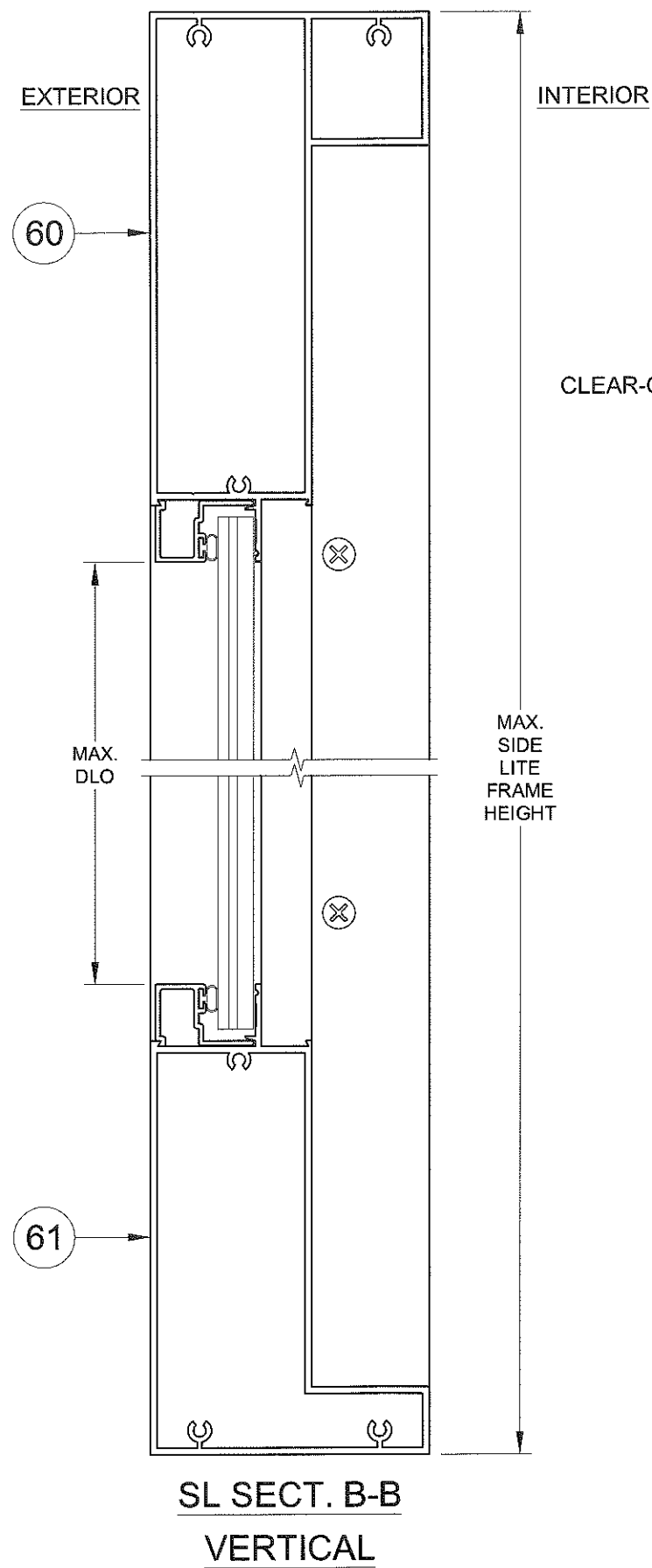
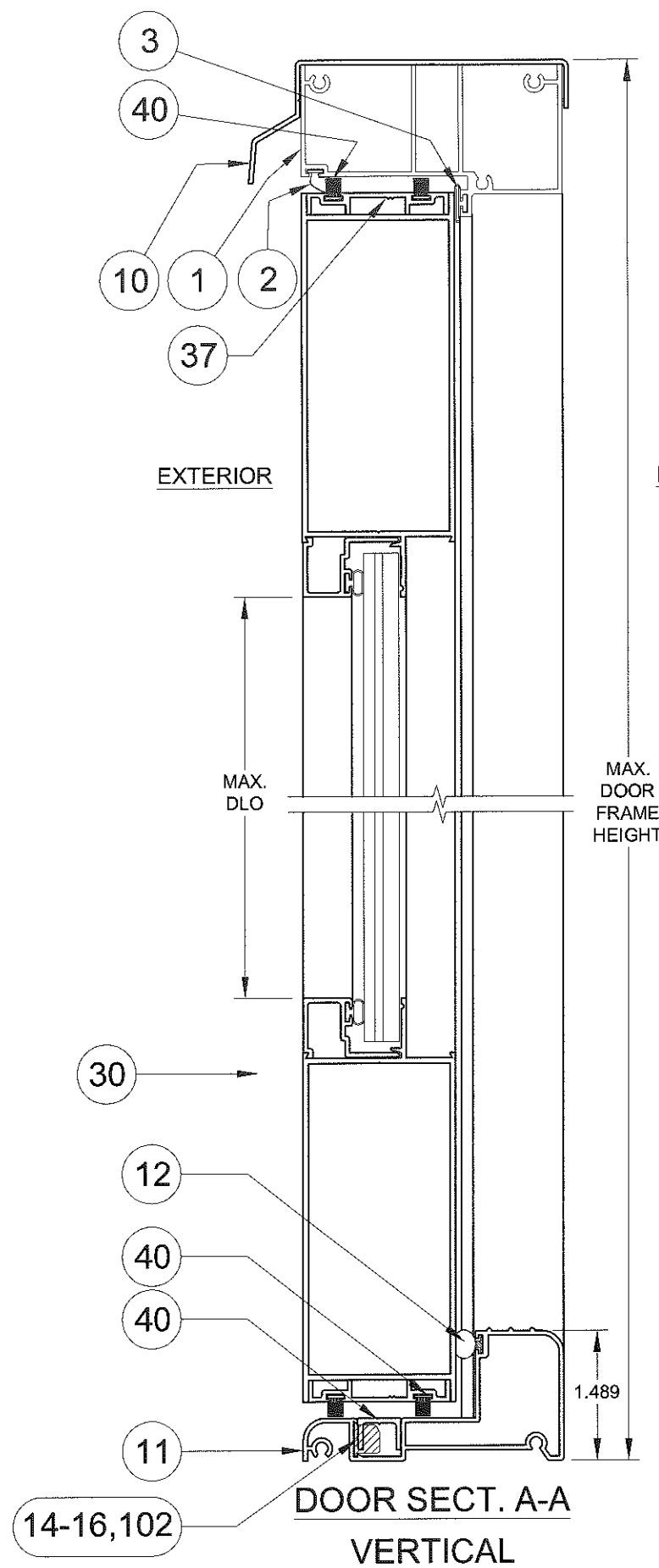
PRODUCT REVISED
as complying with the Florida
Building Code
Acceptance No. 17-056401
Expiration Date 9/28/22
Jens Rosowski
Miami Dade Product Control

G) NO CHANGES THIS SHEET. -
JR - 04/10/17

1070 TECHNOLOGY DRIVE N. VENICE, FL 34275 (941)-480-1600	COPYRIGHT © 2017 PGT INDUSTRIES, INC. ALL RIGHTS RESERVED	04/04/12	JENS ROSOWSKI	11005-1	G
	CERT. OF AUTH. #29296	ALUM. FRENCH DOOR & SIDE LITES, LM	DESIGN PRESSURES	2 OF 15	Sheet
FD-101 LM	NTS	Scale	Title	Desc.	Series



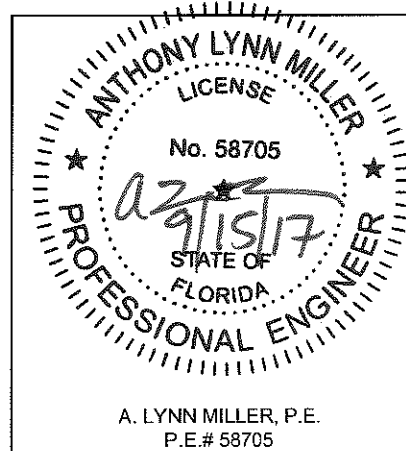
A. LYNN MILLER, P.E.
P.E.# 58705

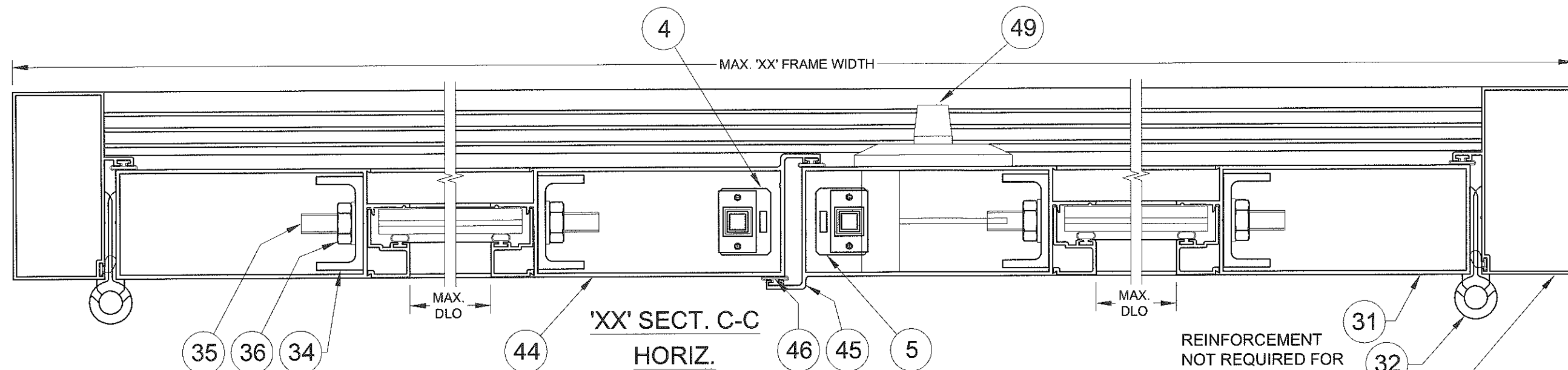


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A. Lynn Miller
Mfg. Co. Trade Product Control

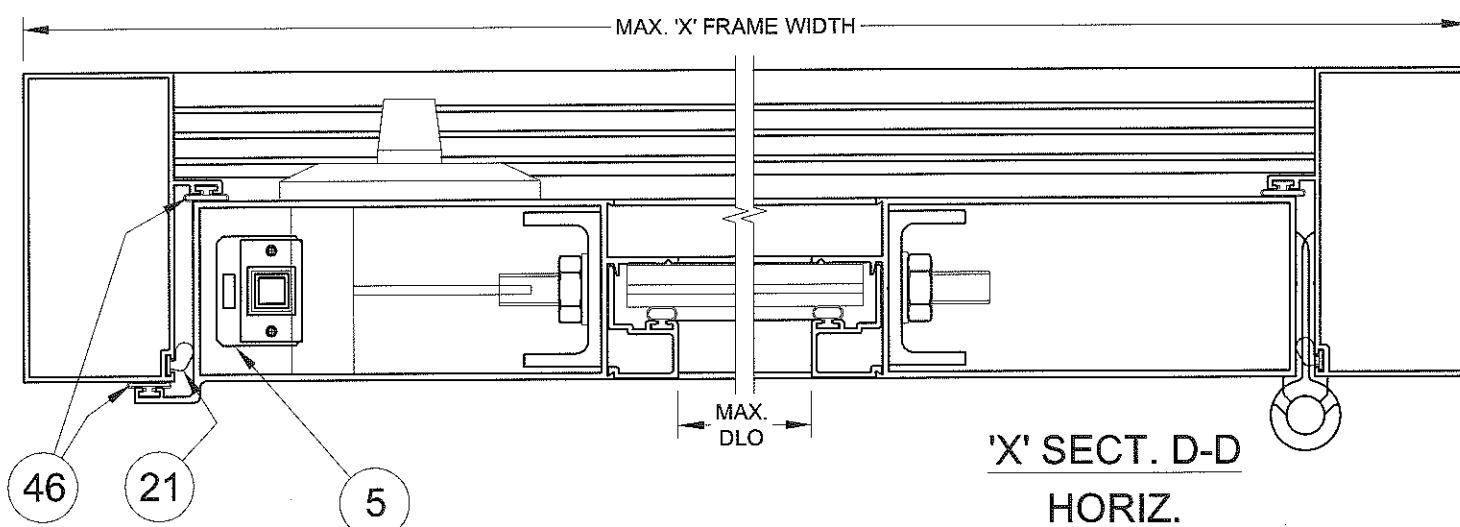
Revision
G) NO CHANGES THIS SHEET. -
JR - 04/10/17

1070 TECHNOLOGY DRIVE N. VENICE, FL 34275 (941)-480-1600 CERT. OF AUTH. #29296 	COPYRIGHT © 2017 PGT INDUSTRIES, INC. ALL RIGHTS RESERVED	ALUM. FRENCH DOOR & SIDE LITES, LM	JENS ROSOWSKI By	04/04/12 Date	Rev.
					G
					11005-1
					DWG No.
VERTICAL SECTIONS FD-101 LM	3 OF 15 Sheet	NTS Scale	11005-1 DWG No.	04/04/12 Date	Rev.
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					DWG No.





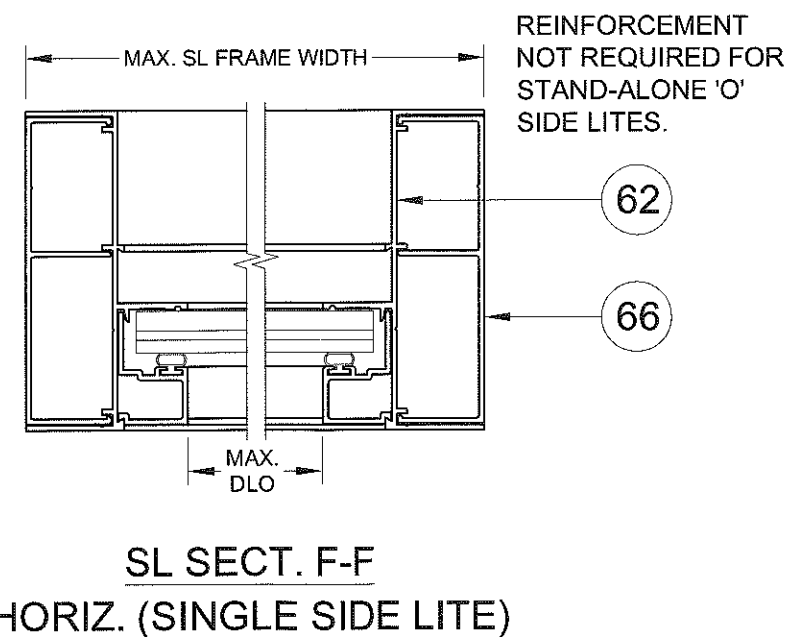
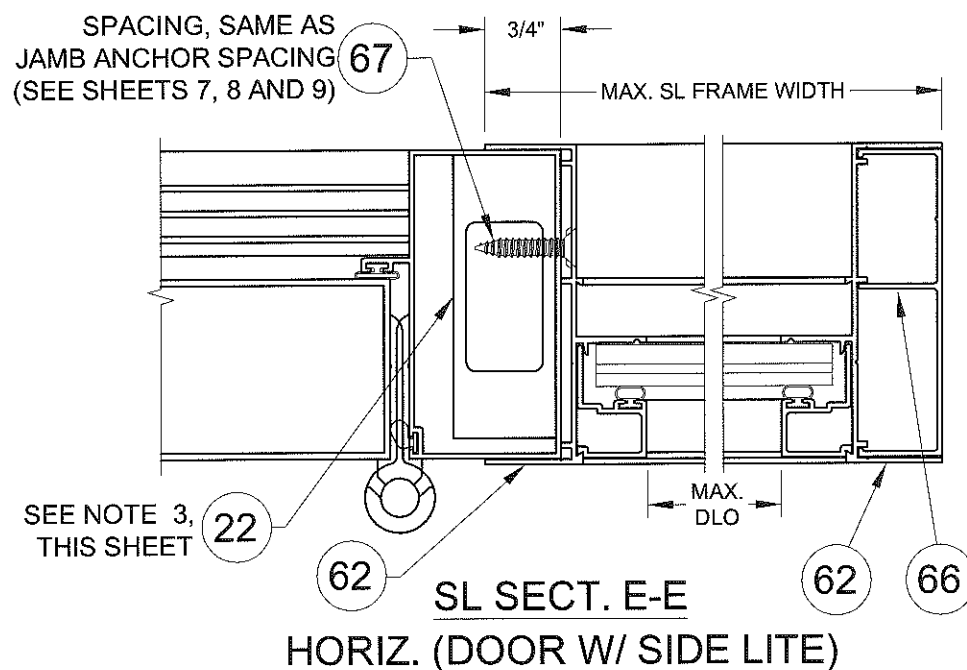
REINFORCEMENT
NOT REQUIRED FOR
STAND-ALONE 'XX'
DOORS.



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

INTERIOR
↑
↓
EXTERIOR

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



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

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"

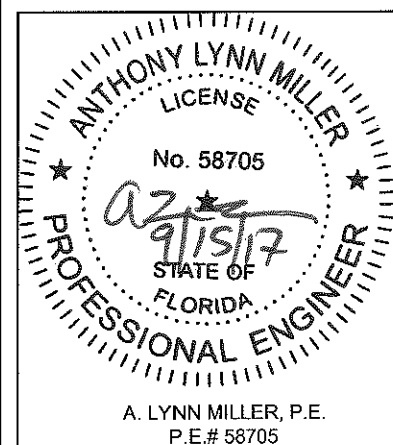
2) SIDE LITES OVERLAP 'X' AND 'XX' DOORS BY 3/4" WHEN ASSEMBLED TO MAKE 'XO', 'OX', 'OXO', 'XXO', 'OXX' AND 'OXXO' CONFIGURATIONS.

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. 17-0584.01
Expiration Date 9/28/22
A. Lynn Miller
Professional Engineer

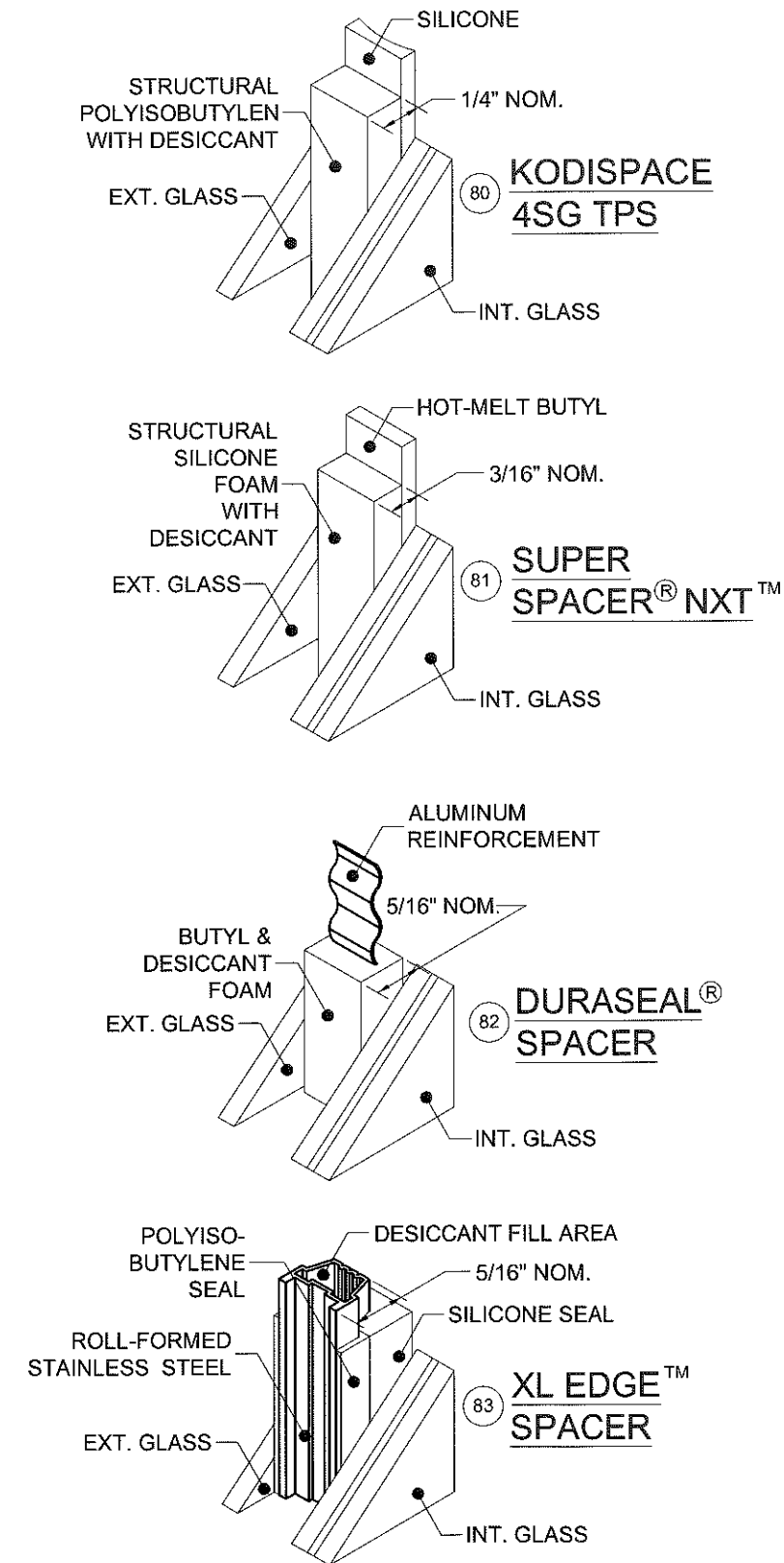
Revision
G) NO CHANGES THIS SHEET. -
JR - 04/10/17

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PGT® CERT. OF AUTH. #29296	ALUM. FRENCH DOOR & SIDE LITES, LM	HORIZONTAL SECTIONS	FD-101 LM	4 OF 15	N
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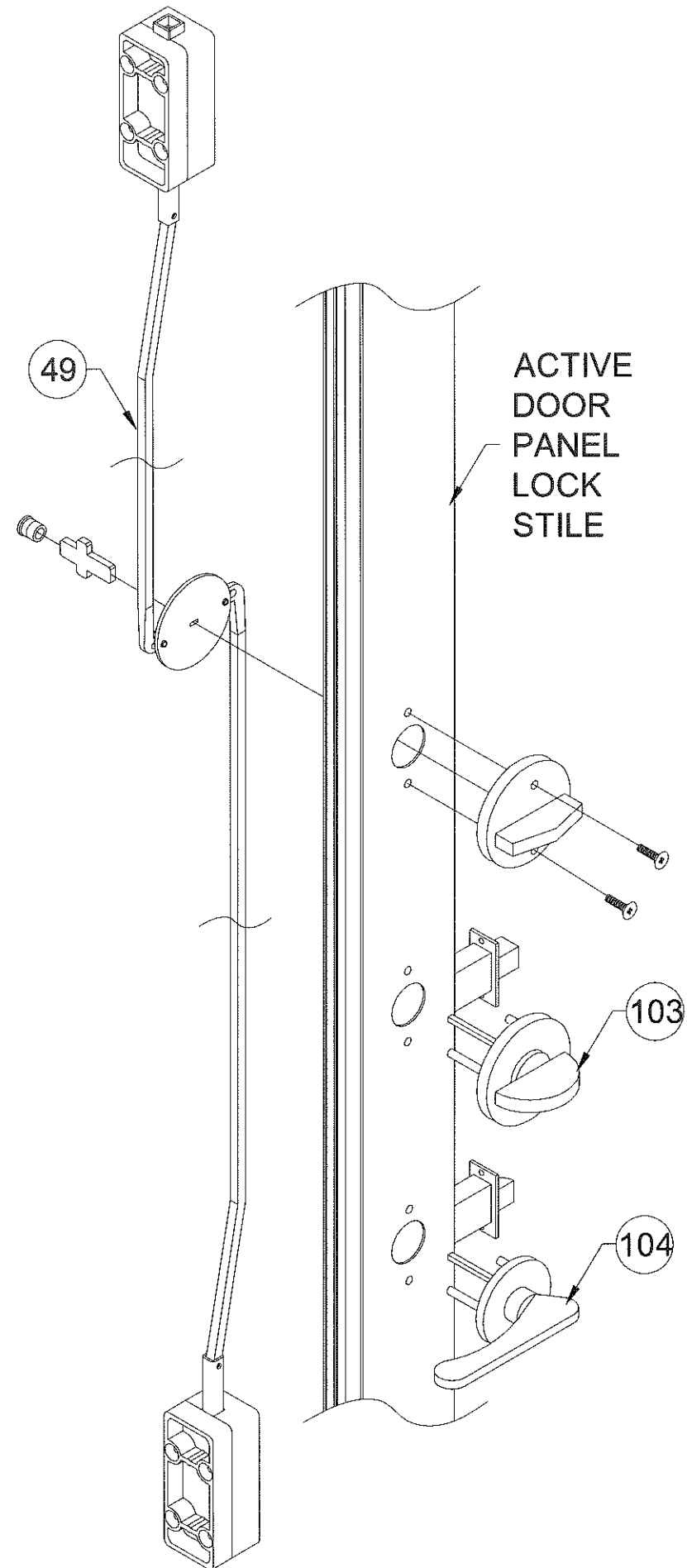


ITEM	DWG #	PGT#	DESCRIPTION
1	943B	60411	FRAME HEAD
2	1010	6Q300	WSTP., Q-LON .190 X .375 HIGH
3	7070	67070K	BULB WEATHERSTRIP .187 X .300 HIGH
4	955	7955X	FLUSHBOLT STRIKEPLATE
5	938	7938X	2 PT. LOCK STRIKEPLATE
6	956	7956A	FRAME HEAD STRIKEPLATE BACKING PLATE
7		7832X12FPXP	#8-32 X .500 PH. FL. MS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



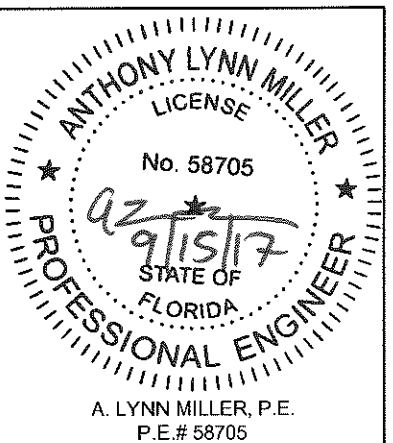
REFERENCE TEST REPORTS: FTL-8717, 8968 & 8970

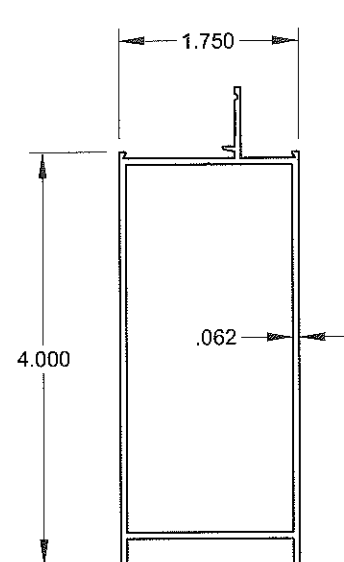


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Expiration Date 9/28/22
[Signature]
Lead Desk Product Control

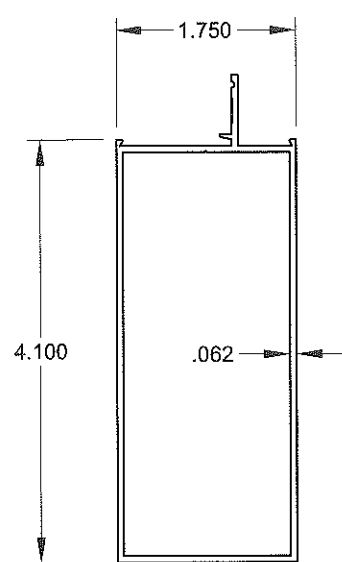
Revision
F) NO CHANGES THIS SHEET. - JR
- 04/10/17

1070 TECHNOLOGY DRIVE N. VENICE, FL 34275 (941)-480-1600	COPYRIGHT © 2017 PGT INDUSTRIES, INC. ALL RIGHTS RESERVED	Date 04/04/12	By JENS ROSOWSKI	DWG No. 11005-1	Sheet 5 OF 15	Scale FD-101 LM	Series BOM AND SPACER DETAILS	Title ALUM. FRENCH DOOR & SIDE LITES, LM	Cert. of Auth. #29296	PGI®	1070 TECHNOLOGY DRIVE N. VENICE, FL 34275 (941)-480-1600

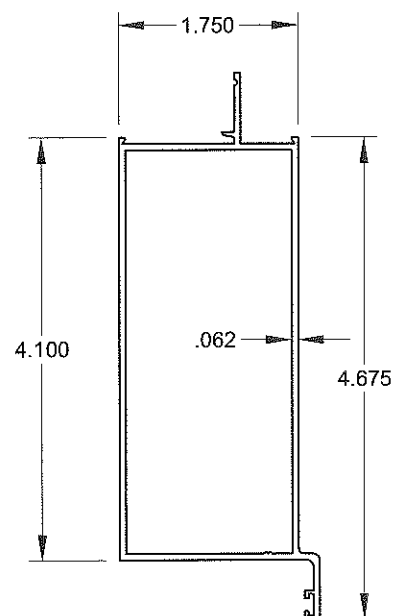




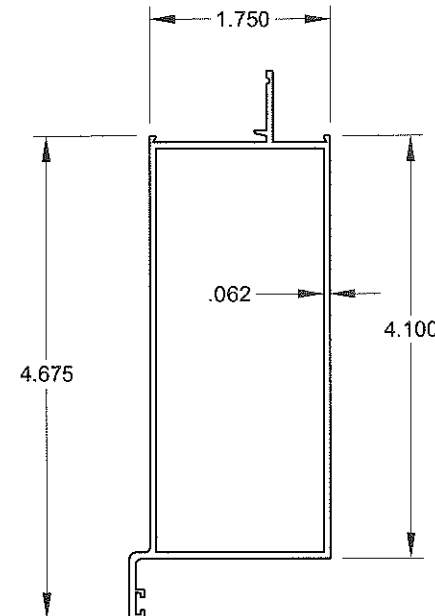
30 DOOR PANEL
TOP & BOTTOM RAIL
6063-T5



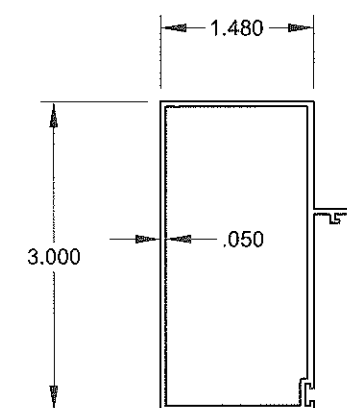
31 DOOR PANEL
SIDE RAIL
6063-T5



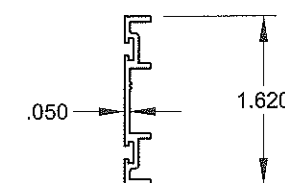
44 DOOR PANEL
INTERIOR ASTRAGAL
6063-T5



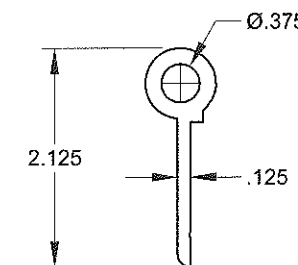
45 DOOR PANEL
EXTERIOR ASTRAGAL
6063-T5



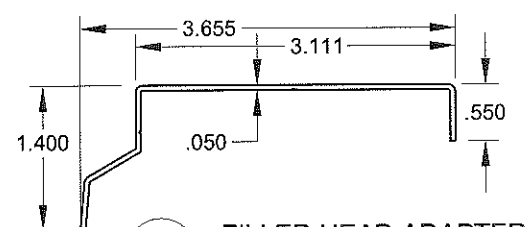
20 DOOR FRAME
JAMB
6063-T6



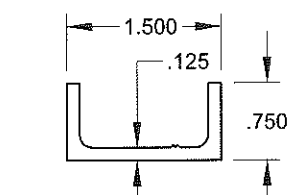
37 WEATHER
STRIP CHANNEL
6063-T5



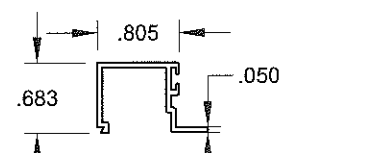
32 HINGE
6063-T5



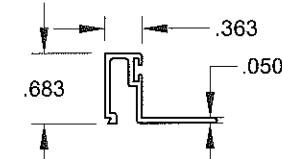
10 FILLER HEAD ADAPTER
6063-T6



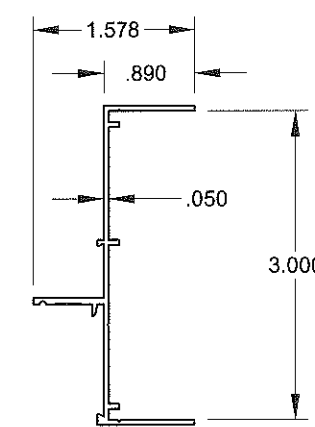
34 TRUSS CLAMP
6063-T5



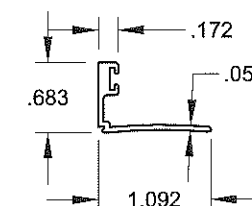
74 3/16" GLAZING BEAD
6063-T5



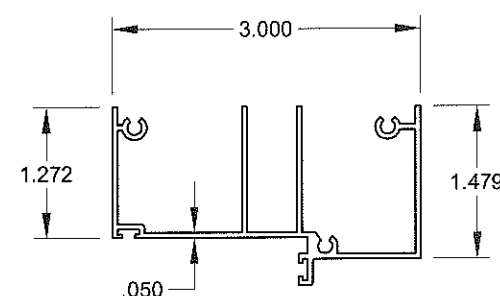
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6063-T5



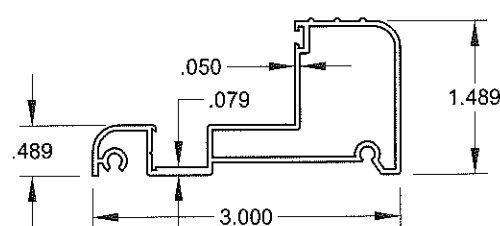
62 SL JAMB
6063-T6



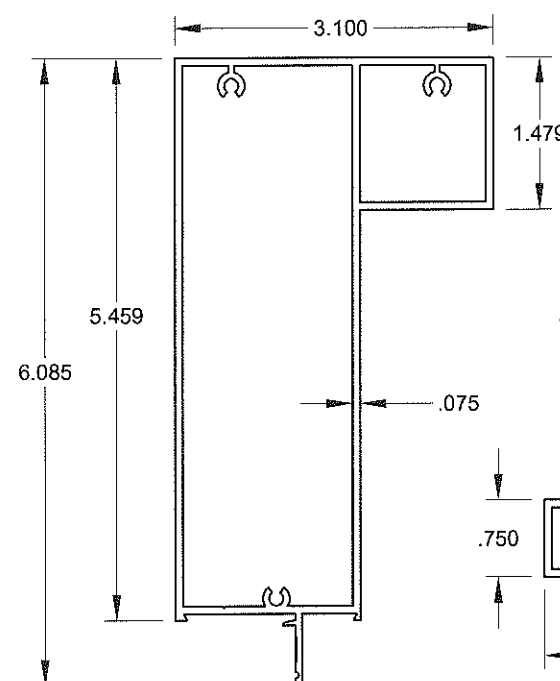
74 IG GLAZING BEAD
6063-T5



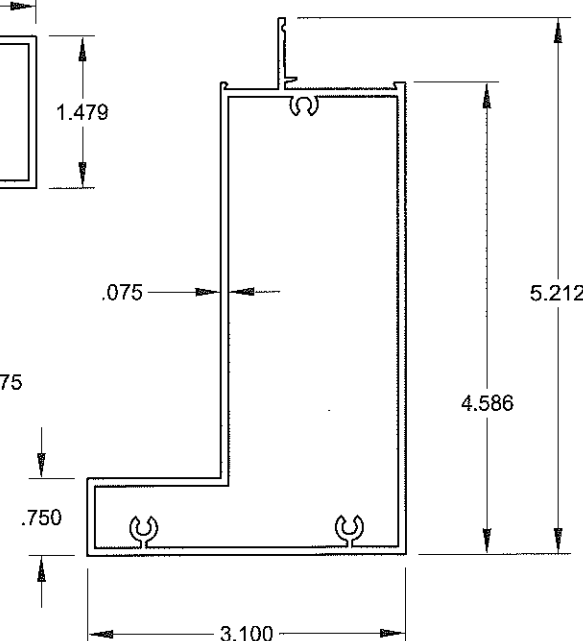
1 FRAME HEAD
6063-T6



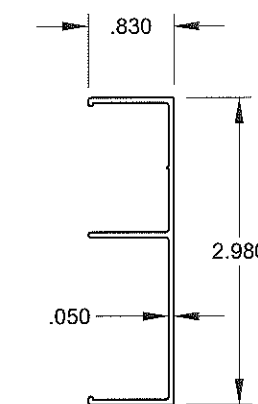
11 OUTSWING THRESHOLD
6063-T6



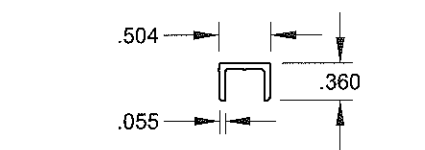
60 SL HEADER
6063-T6



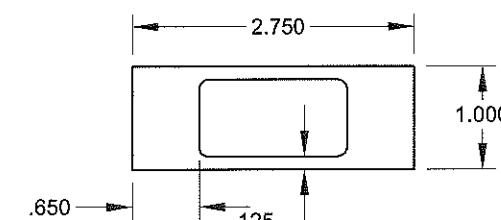
61 SL SILL
6063-T6



66 SL JAMB
ADAPTER
6063-T6



13 OUTSWING THRESHOLD
CHANNEL COVER
6063-T6



22 TUBE MULL
6063-T5

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Acceptance No. 17-0504-01
Expiration Date 9/29/22
A. Lynn Miller
Member Product Control

F) NO CHANGES THIS SHEET. - JR
- 04/10/17

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PGT® CERT. OF AUTH. #29296	ALUM. FRENCH DOOR & SIDE LITES, LM	JENS ROSOWSKI	11005-1	6 OF 15	G
EXTRUSIONS	FD-101 LM	NTS	6 OF 15	6 OF 15	G

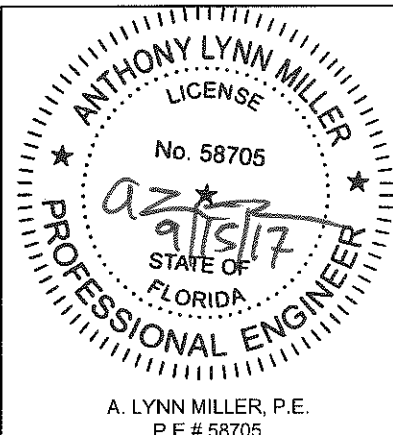
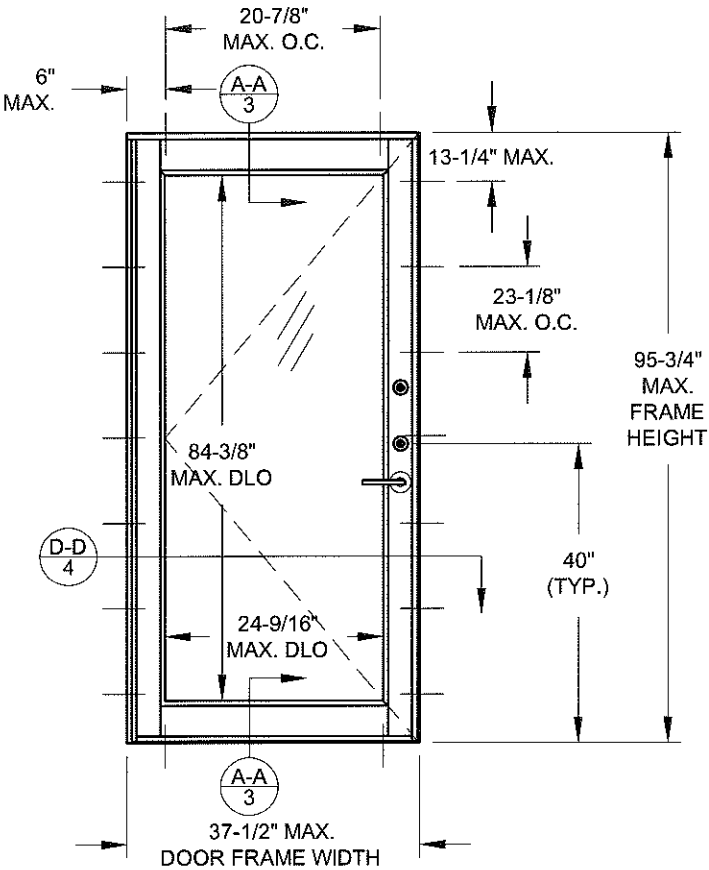
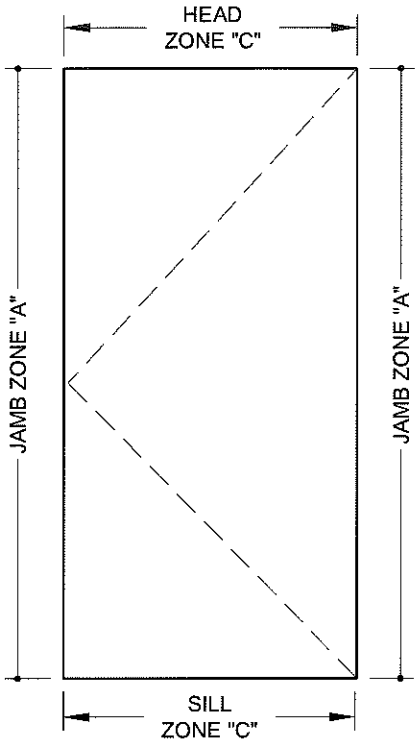


TABLE 5:

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



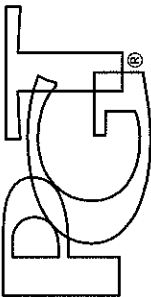
LOAD ZONES FOR
SINGLE DOOR, X

- 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

PRODUCT REVISED
as complying with the Florida
Building Code
Acceptance No. 17-0504.01
Expiration Date SEP 28, 2020
A. Lynn Miller
Product Control

Revision
F) NEW SHEET COMBINING SIZE
ELEVATIONS, ZONE ELEVATIONS
AND ANCHOR TABLES. - JR -
04/10/17

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CERT. OF AUTH. #29296			COPYRIGHT © 2017 PGT INDUSTRIES, INC. ALL RIGHTS RESERVED		
ALUM. FRENCH DOOR & SIDE LITES, LM		Date		04/04/12	
X DETAILS		Drawn By		JENS ROSOWSKI	
FD-101 LM		Scale		DWC No.	
Series		Desc.		7 OF 15	
NTS		Sheet		11005-1	
Rev.		G			

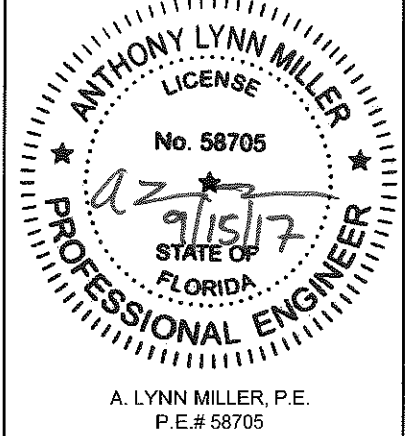
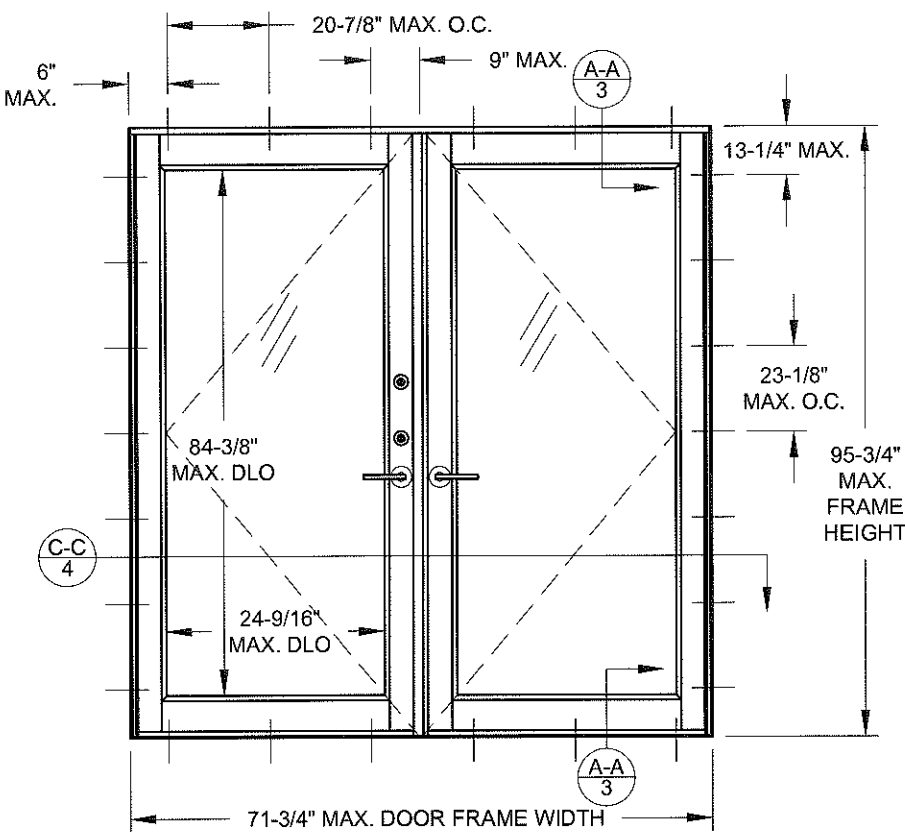
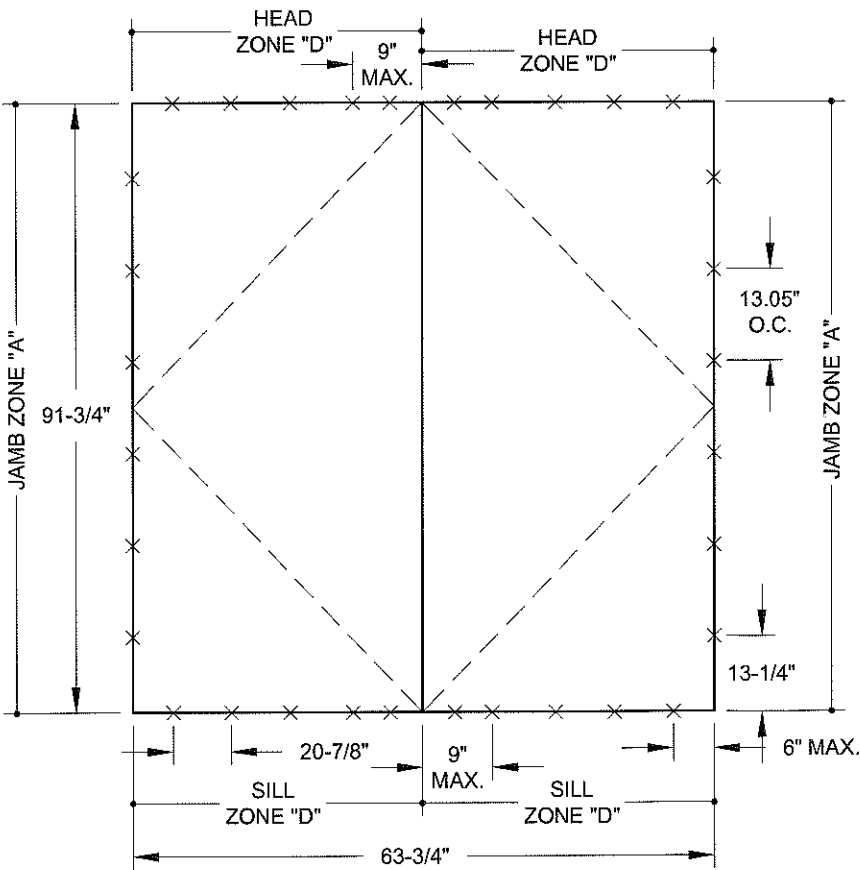


TABLE 6:

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.

× = DENOTES ANCHOR LOCATION.

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Expiration Date 9/28/22
Jens Rosowski
Product Control

F) NEW SHEET COMBINING SIZE
ELEVATIONS, ZONE ELEVATIONS
AND ANCHOR TABLES. - JR -
04/10/17

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ALUM. FRENCH DOOR & SIDE LITES, LM	CERT. OF AUTH. #29296	XX DETAILS	FD-101 LM	8 OF 15	NTS

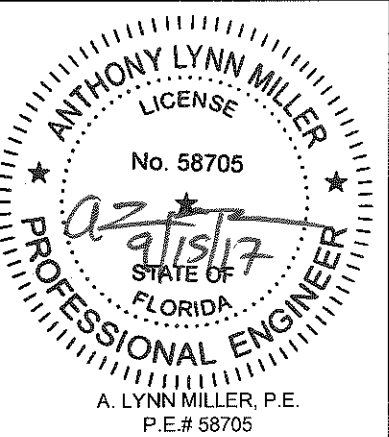
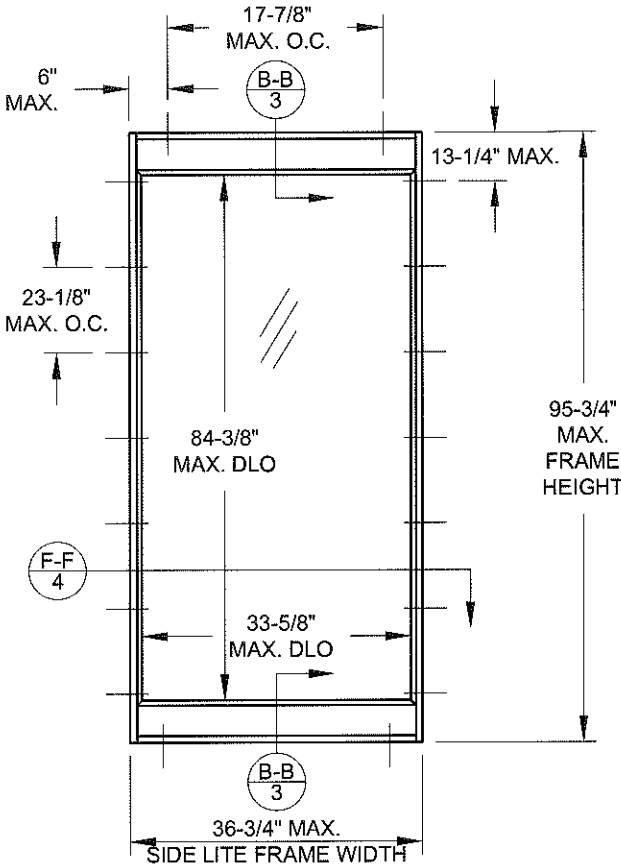


TABLE 7:

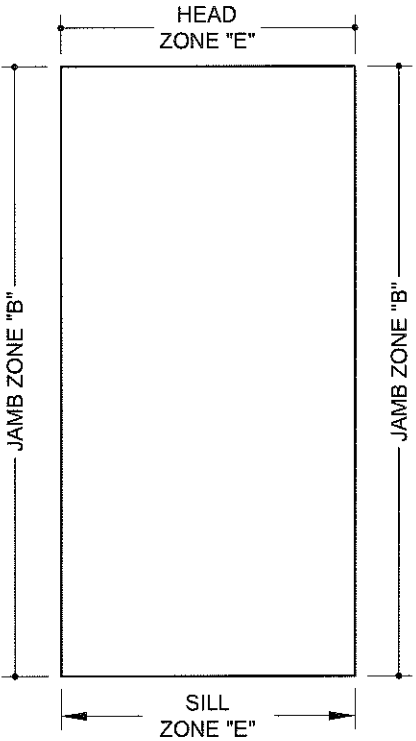
O SIDE LITE, ALL GLASS TYPES					
ANCHOR TYPE & SUBSTRATE		2, 3, WOOD 3 ALUM		1,2, CONC	
		LOAD ZONES			
		O - JAMB "B"	O - HEAD/SILL "E"	O - JAMB "B"	O - HEAD/SILL "E"
MAX SIDE LITE FRAME WIDTH	MAX FRAME HEIGHT				
10.75	79.75	4	1	4	1
	83.75	4	1	4	1
	87.75	4	1	4	1
	91.75	4	1	4	1
	95.75	4	1	4	1
12.75	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

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.



TYP. ELEVATION OF
SINGLE SIDELITE, O



LOAD ZONES FOR
SINGLE SIDELITE, O

Design Pressure

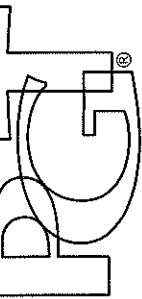
See Sheet 2, Table 2

PRODUCT REVISED
as complying with the Florida
Building Code
Acceptance No. 17-0504-01
Expiration Date 9/28/22
[Signature]
Manufacturer Product Control

Revision
F) NEW SHEET COMBINING SIZE
ELEVATIONS, ZONE ELEVATIONS
AND ANCHOR TABLES. - JR -
04/10/17

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

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ALUM. FRENCH DOOR & SIDE LITES, LM

O DETAILS

FD-101 LM

Date 04/04/12

By JENS ROSOWSKI

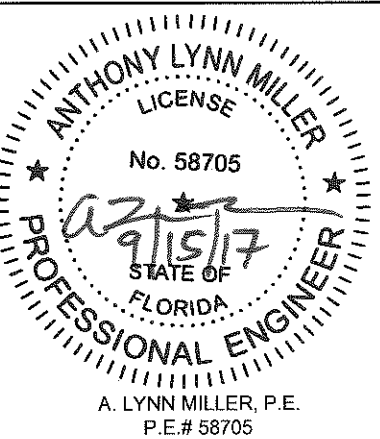
Rev. 11005-1

DWG No.

9 OF 15

Sheet NTS

Scale



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

Technical drawing of a double door and side lite assembly. The drawing includes the following dimensions and labels:

- Top Dimensions:**
 - 20-7/8" MAX. O.C. (Overhead Clearance)
 - 9" MAX. (Top of door frame)
 - 6" MAX. (Top of side lite frame)
- Left Side Dimensions:**
 - 6" MAX. (Side of door frame)
 - 23-1/8" MAX. O.C. (Overhead Clearance)
 - 13-1/4" MAX. (Bottom of door frame)
- Right Side Dimensions:**
 - 13-1/4" MAX. (Top of side lite frame)
 - 95-3/4" MAX. FRAME HEIGHT (Total height)
 - 36-3/4" MAX. SIDE LITE FRAME WIDTH (Side lite frame width)
- Bottom Dimensions:**
 - 37-1/2" MAX. DOOR FRAME WIDTH (Door frame width)
 - 73-1/2" MAX. DOOR + SIDE LITE FRAME WIDTH (Total width)
- Internal Dimensions and Labels:**
 - 84-3/8" MAX. DLO (Door Leaf Opening)
 - 24-9/16" MAX. DLO (Door Leaf Opening)
 - 33-5/8" MAX. DLO (Side Lite Opening)
- Section Markers:**
 - A-A 3 (Vertical section lines)
 - B-B 3 (Vertical section lines)
 - E-E 4 (Horizontal section line)
- Text:**
 - SEE TABLES 1-4, SHEET 2 FOR REINFORCEMENT REQUIREMENTS.

Diagram illustrating the dimensions and zones of a window frame:

- JAMB ZONE "A"**: Vertical dimension on the left side.
- JAMB ZONE "B"**: Vertical dimension on the right side.
- HEAD ZONE "D"**: Horizontal dimension at the top left, labeled **9" MAX.**
- HEAD ZONE "E"**: Horizontal dimension at the top right, labeled **6" MAX.**
- SILL ZONE "D"**: Horizontal dimension at the bottom left, labeled **20-7/8"** and **9" MAX.**
- SILL ZONE "E"**: Horizontal dimension at the bottom right, labeled **6" MAX.** and **24-3/4"**.
- 6" MAX.**: Dimension for the gap between the sill zones.
- 6" MAX.**: Dimension for the gap between the head zones.
- 6" MAX.**: Dimension for the gap between the jamb zones.
- 20-7/8"**: Dimension for the gap between the sill zones.
- 24-3/4"**: Dimension for the gap between the sill zones.
- 9" MAX.**: Dimension for the gap between the sill zones.

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

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.

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.

Revision F) NEW SHEET COMBINING SIZE
ELEVATIONS, ZONE ELEVATIONS
AND ANCHOR TABLES. - JR -
04/10/17

1070 TECHNOLOGY DRIVE
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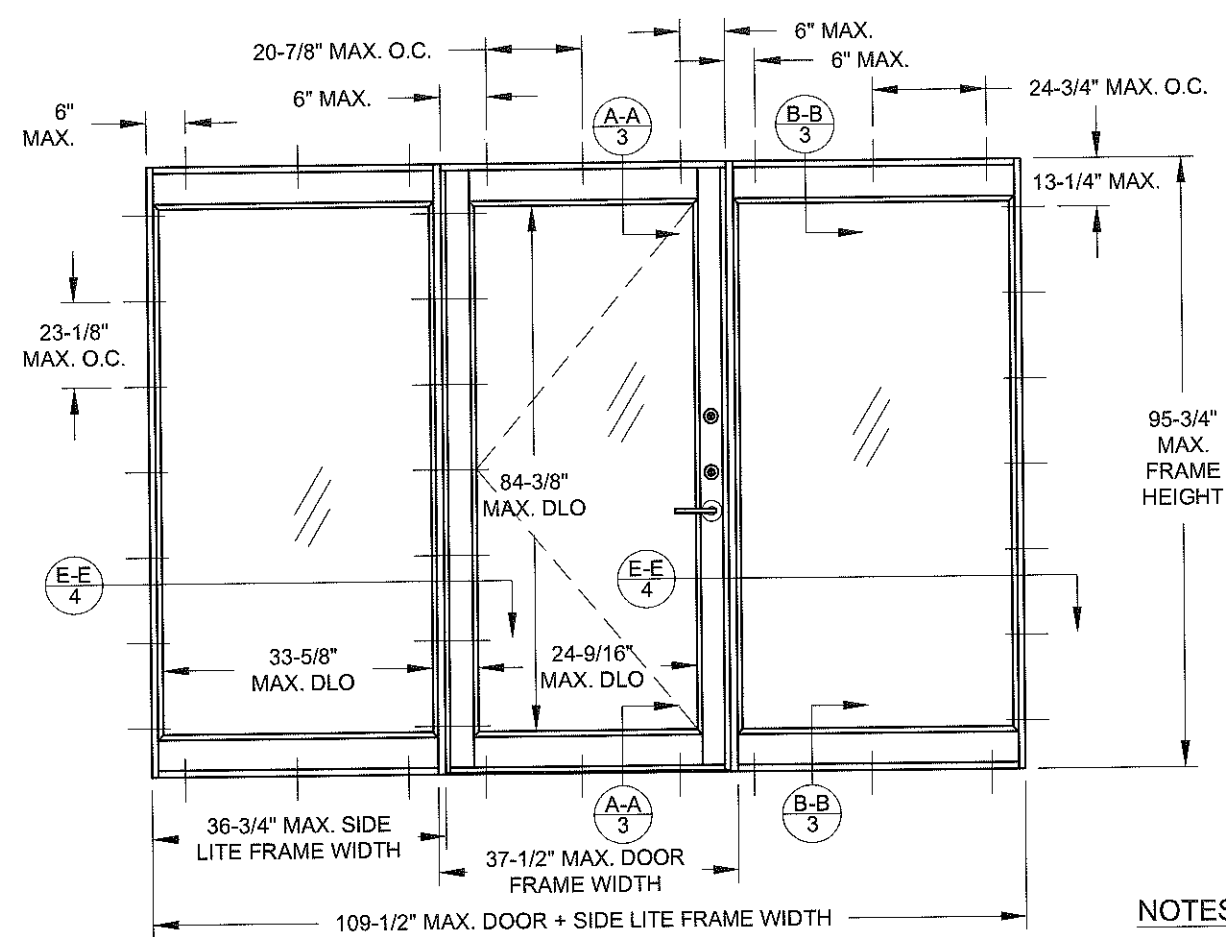
ALUM. FRENCH DOOR & SIDE LITES, LM	Date		04/04/12
XO & OX DETAILS	Drawn By		JENS ROSOWSKI
FD-101 LM	Scale	Sheet	Rev.
Series	10 OF 15	DWG No.	11005-1
Desc.		NTS	G
Title			



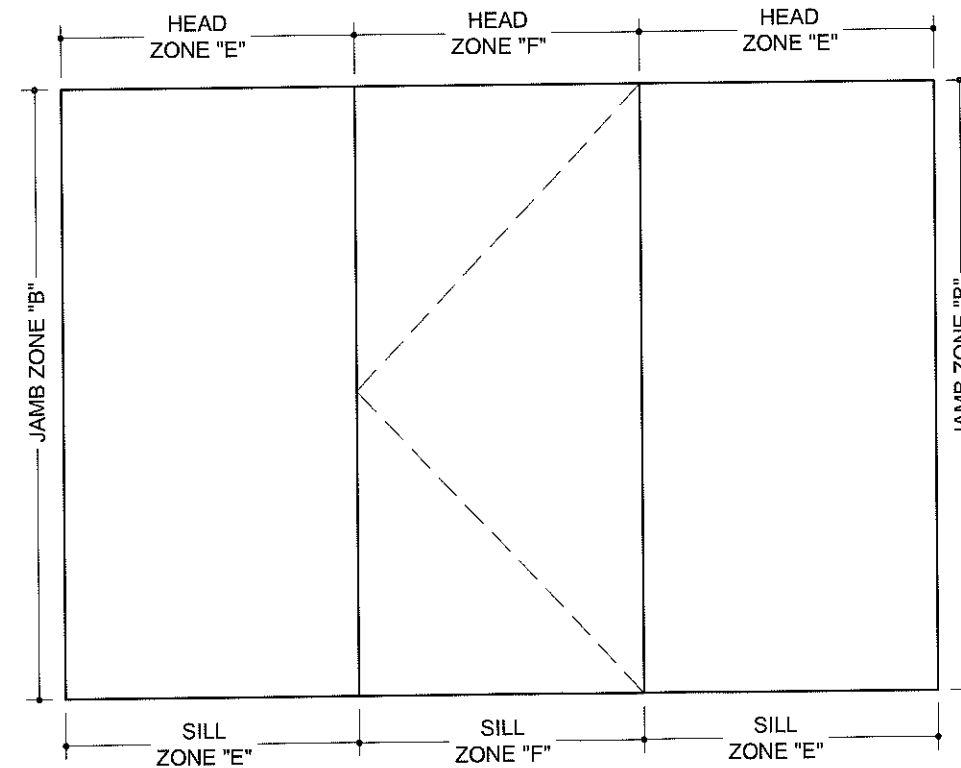
TABLE 9:

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 83.75 87.75 91.75 95.75	4	2	7	4	2	3
						4	2	7	4	2	3
						4	2	7	4	2	3
						4	2	7	4	2	3
						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.

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Building Code
Acceptance No. 17-0504-01
Expiration Date 9/28/22
By: [Signature]
Mr. [Name] Product Control

F) NEW SHEET COMBINING SIZE
ELEVATIONS, ZONE ELEVATIONS
AND ANCHOR TABLES. - JR -
04/10/17

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ALUM. FRENCH DOOR & SIDE LITES, LM	CERT. OF AUTH. #29296	04/04/12	JENS ROSOWSKI	11 OF 15	G
OXO DETAILS	FD-101 LM	NTS	Scale	11 OF 15	G

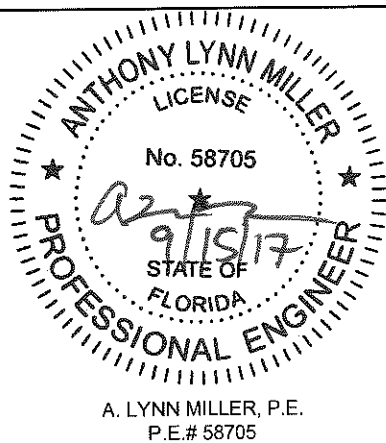
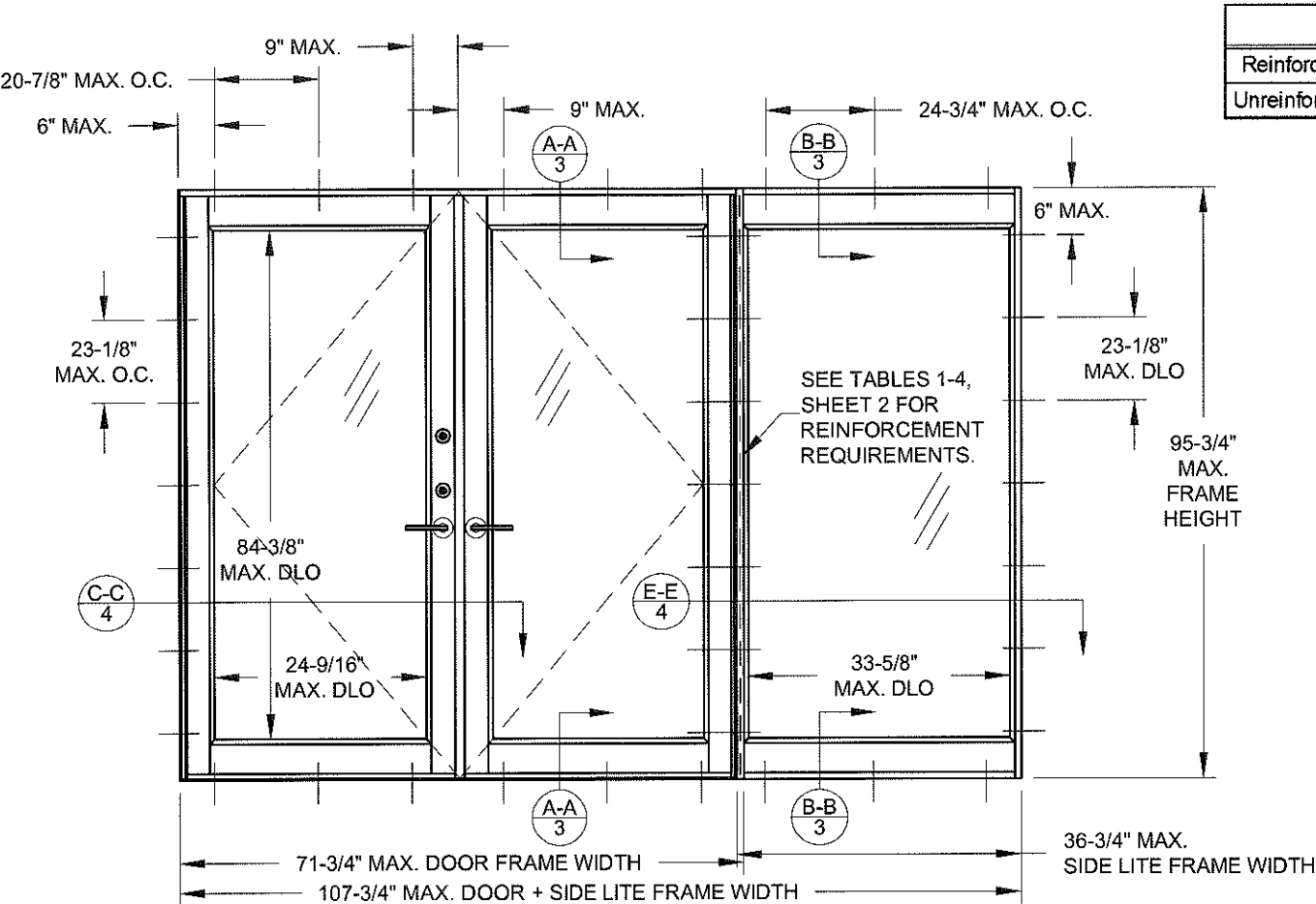


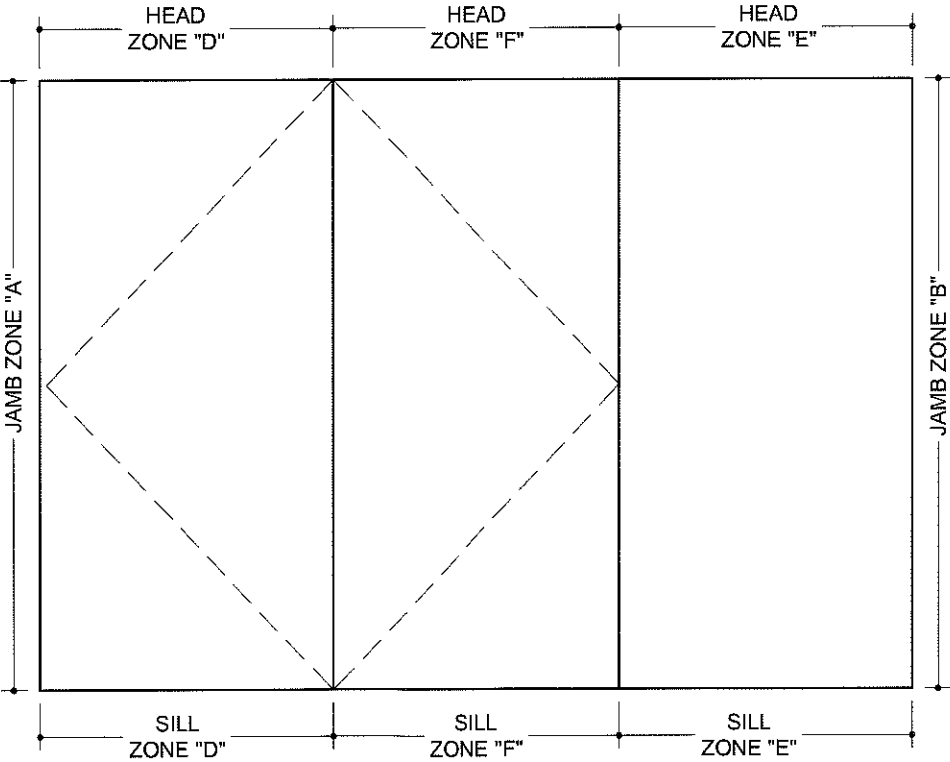
TABLE 10:

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			

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.

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Building Code
Acceptance No. 17-0584.01
Expiration Date 9/28/22
Michael D. Product Control

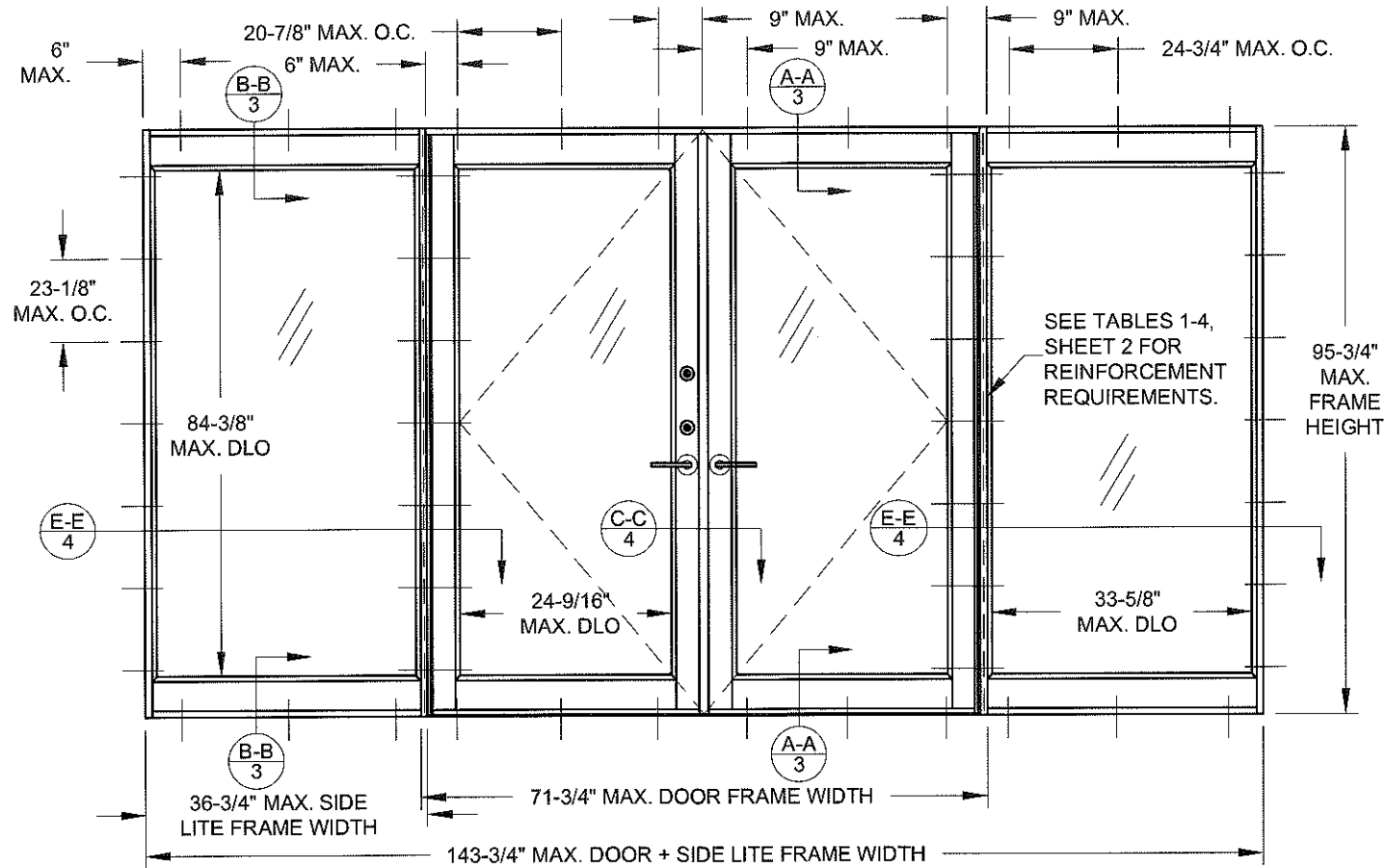
F) NEW SHEET COMBINING SIZE
ELEVATIONS, ZONE ELEVATIONS
AND ANCHOR TABLES. - JR -
04/10/17

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PGT CERT. OF AUTH. #29296	ALUM. FRENCH DOOR & SIDE LITES, LM	XXO & OXX DETAILS	FD-101 LM	12 OF 15	Sheet
ANTHONY LYNN MILLER LICENSE No. 58705 9/15/17 STATE OF FLORIDA PROFESSIONAL ENGINEER	A. LYNN MILLER, P.E. P.E.# 58705				

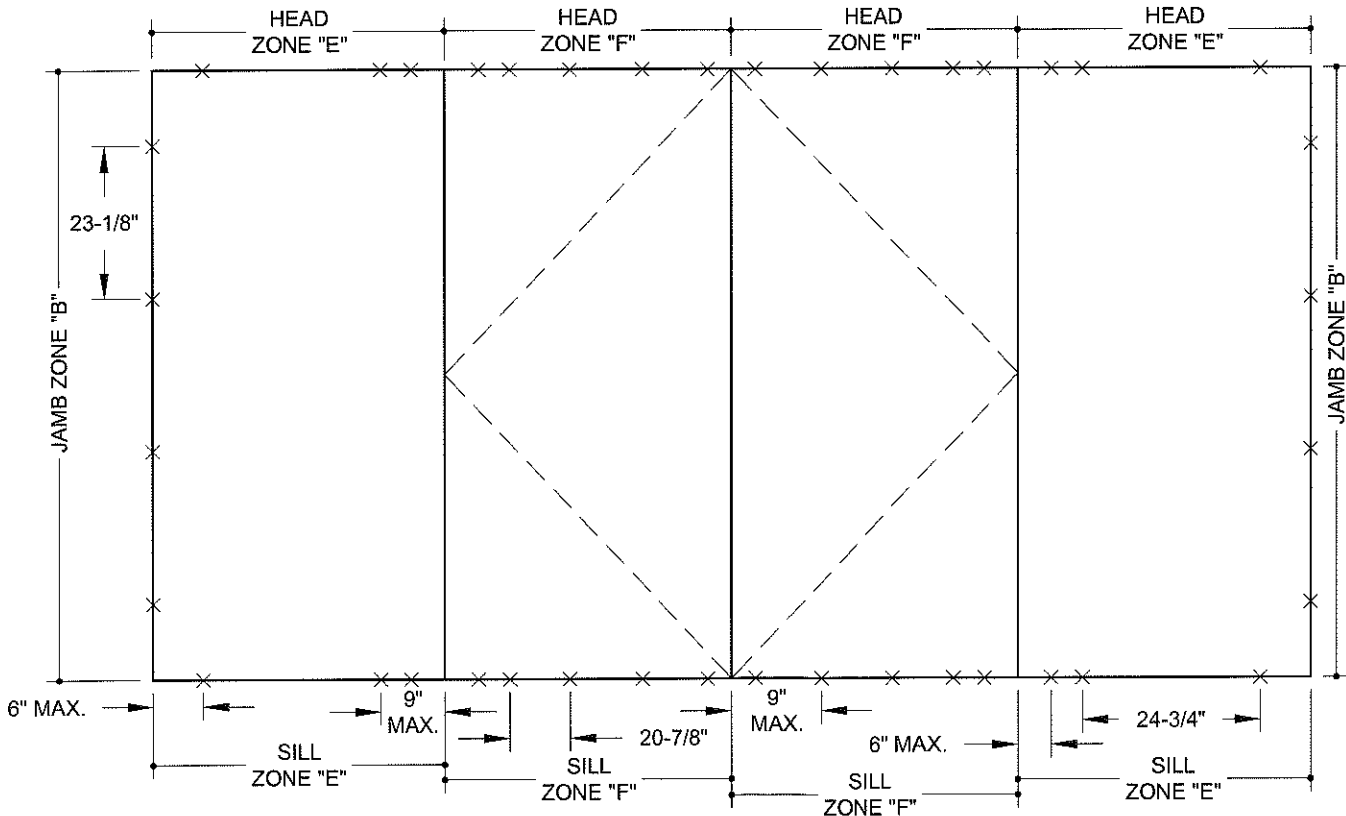
TABLE 11:

OXO, 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 OXO CONFIGURATION



LOAD ZONES FOR OXO 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:
OXO 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.

PRODUCT REVISED
as complying with the Florida
Building Code
Acceptance No. 17-0504-01
Expiration Date 9/28/22
A. Lynn Miller, P.E.
Professional Engineer

F) NEW SHEET COMBINING SIZE
ELEVATIONS, ZONE ELEVATIONS
AND ANCHOR TABLES. - JR -
04/10/17

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ALUM. FRENCH DOOR & SIDE LITES, LM

OXO DETAILS

FD-101 LM

04/04/12

Date

JENS ROSOWSKI

By

11005-1

Rev.

13 OF 15

Sheet

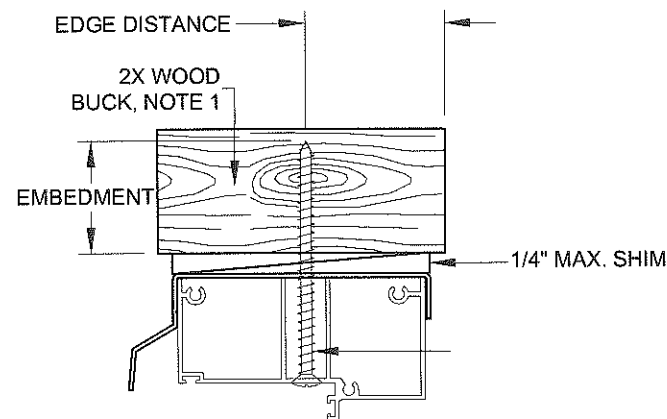
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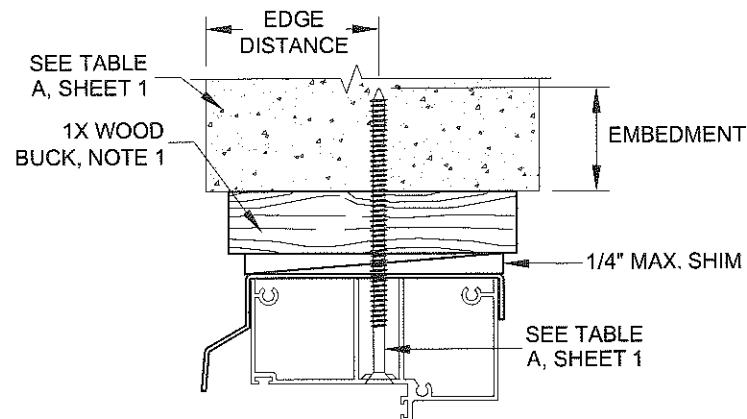
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Series

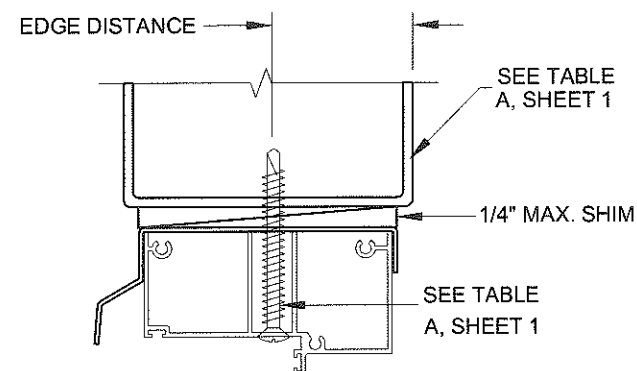
ANTHONY LYNN MILLER
LICENSE
No. 58705
02/15/17
STATE OF
FLORIDA
PROFESSIONAL ENGINEER
A. LYNN MILLER, P.E.
P.E.# 58705



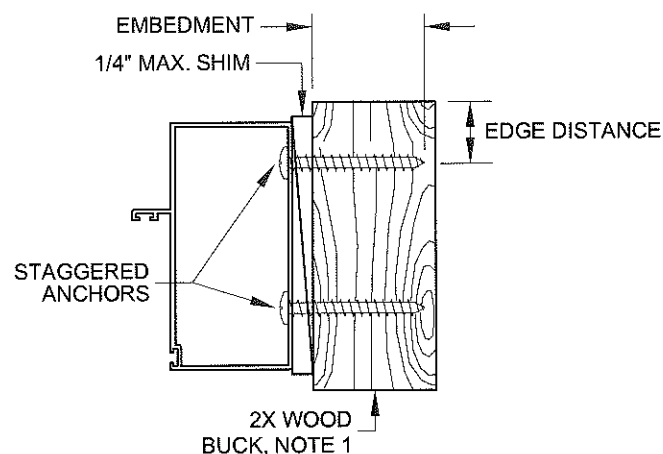
DOOR HEAD (WOOD)



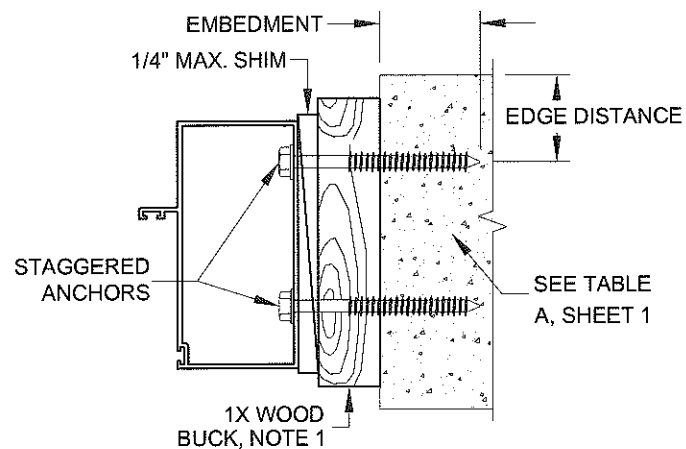
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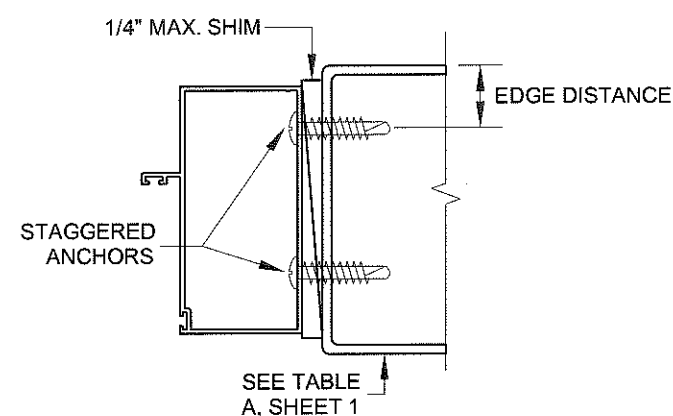
DOOR HEAD (ALUMINUM)



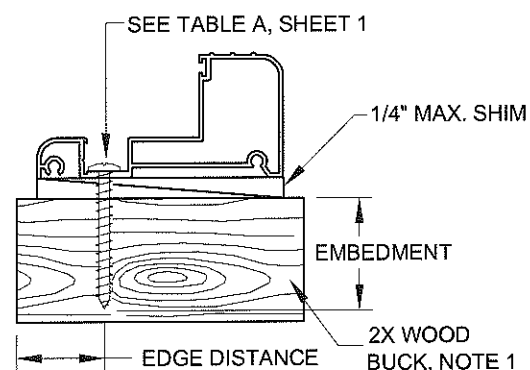
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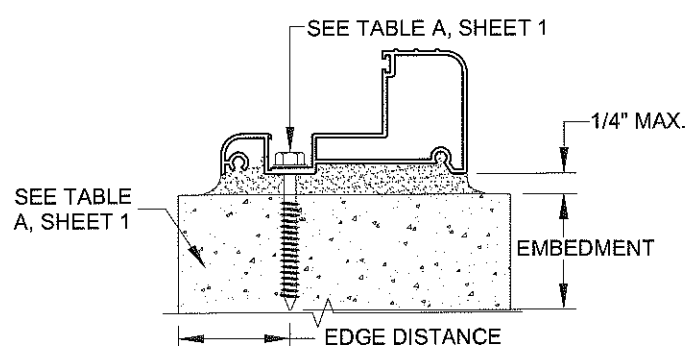
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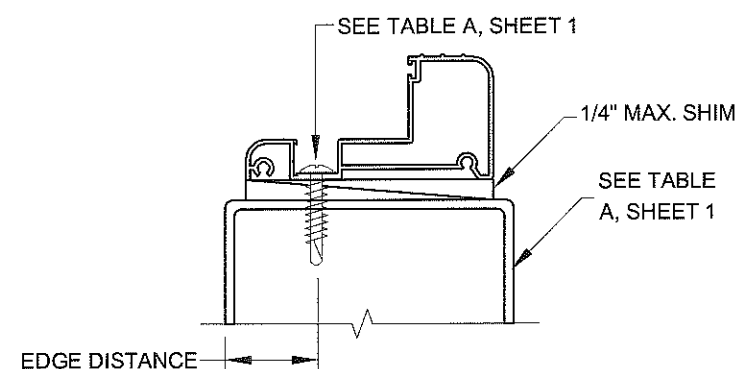
DOOR JAMB (ALUMINUM)



DOOR SILL (WOOD)



DOOR SILL (CONC)



DOOR SILL (ALUMINUM)

1. WOOD BUCKS DEPICTED AS 1x ARE LESS THAN 1 1/2" THICK. 1x WOOD BUCKS ARE OPTIONAL IF UNIT IS INSTALLED DIRECTLY TO SOLID CONCRETE OR CMU. WOOD BUCKS DEPICTED AS 2x ARE 1 1/2" THICK OR GREATER. INSTALLATION TO THE SUBSTRATE OF WOOD BUCKS TO BE ENGINEERED BY OTHERS OR AS APPROVED BY THE AUTHORITY HAVING JURISDICTION (AHJ).

2. IF SILL IS TIGHT TO SUBSTRATE, GROUT OR OTHER MATERIAL IS NOT REQUIRED. IF USED, NON-SHRINK, NON-METALLIC GROUT (3350 PSI MIN.), (DONE BY OTHERS) MUST FULLY SUPPORT THE ENTIRE LENGTH OF THE SILL THAT IS NOT TIGHT TO THE SUBSTRATE, AND TRANSFER SHEAR LOAD TO SUBSTRATE. IF SUBSTRATE IS WOOD, 30# FELT PAPER OR MASTIC IS REQUIRED BETWEEN THE GROUT AND WOOD SUBSTRATE, OR AS APPROVED BY THE AUTHORITY HAVING JURISDICTION.

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



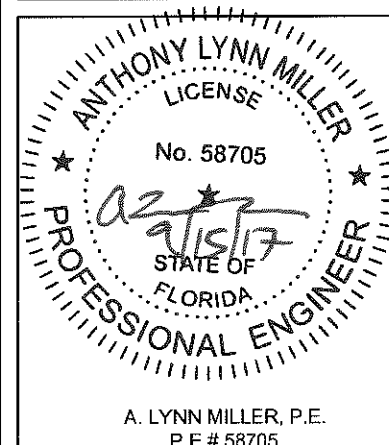
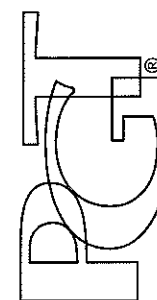
PRODUCT REVISED
as complying with the Florida
Building Code
Acceptance No. 17-0504.01
Expiration Date 9/28/22
A. Lynn Miller
Manufacturer Product Control

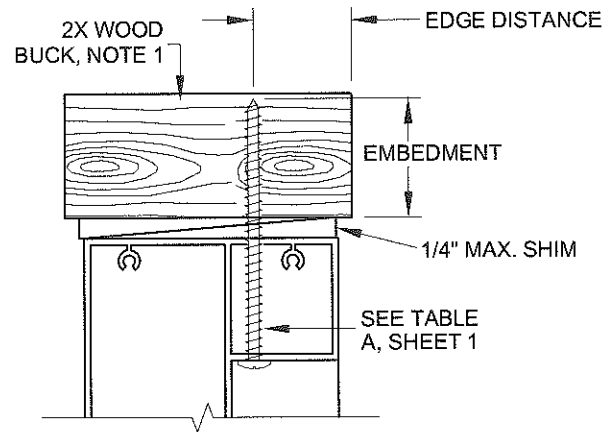
Revision F) CLARIFIED DETAILS, ADDED ALUMINUM. - JR - 04/10/17

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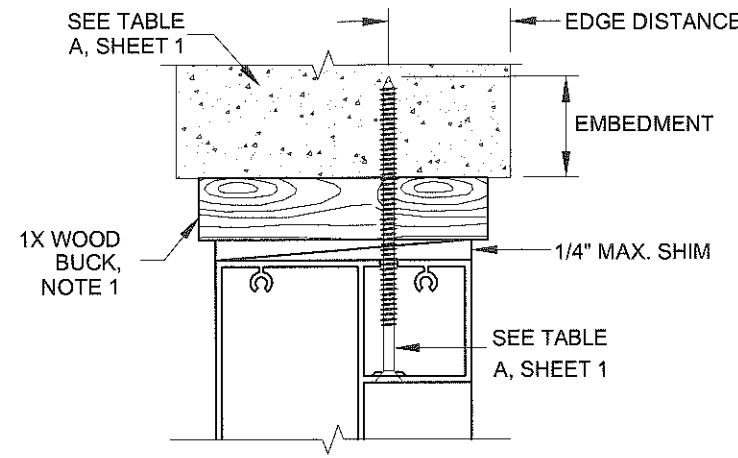
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Rev.	11005-1	G
Date	04/04/12	
By	JENS ROSOWSKI	
No.	11005-1	
DWG	14 OF 15	
Sheet	NTS	
Scale	FD-101 LM	
Series	DOOR INSTALL DETAILS	
Title	ALUM. FRENCH DOOR & SIDE LITES, LM	

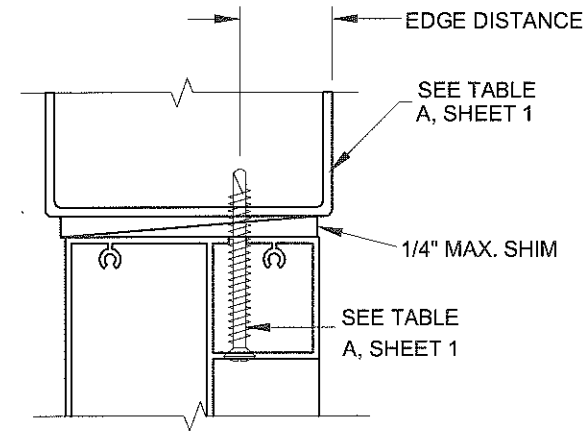




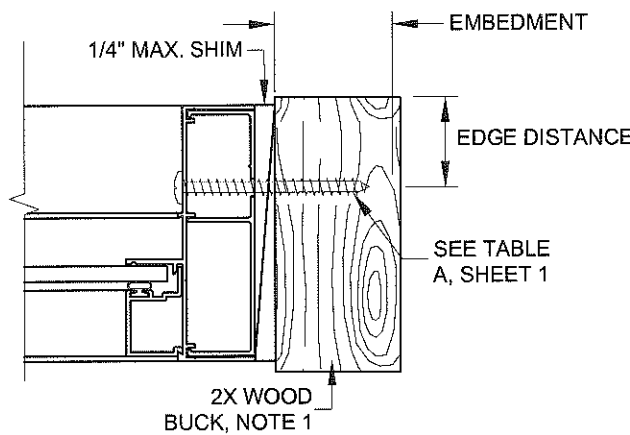
SIDE LITE HEAD (WOOD)



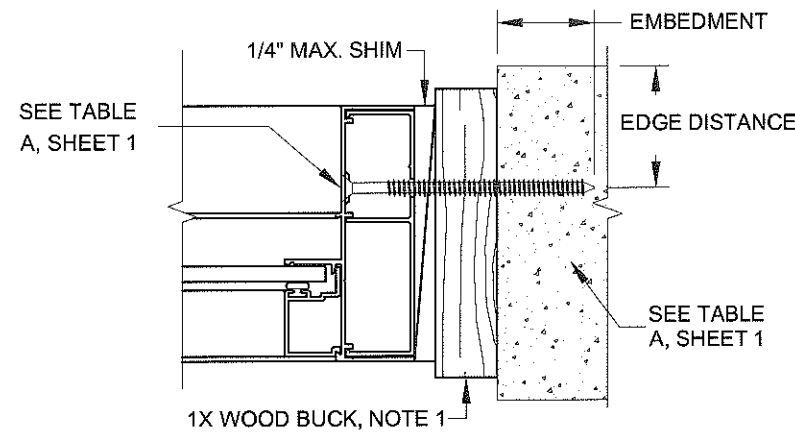
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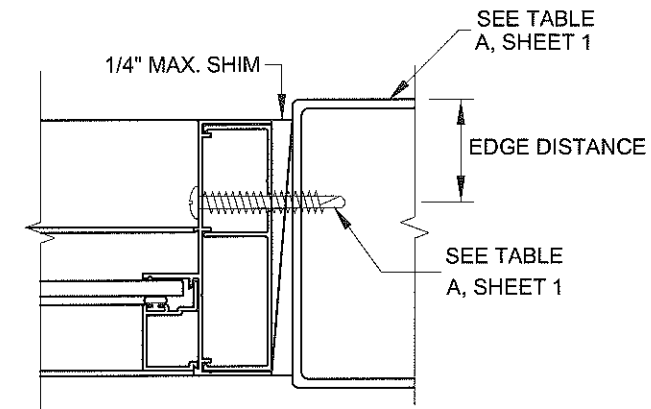
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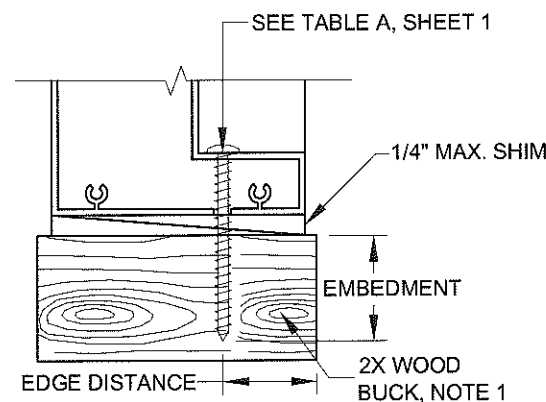
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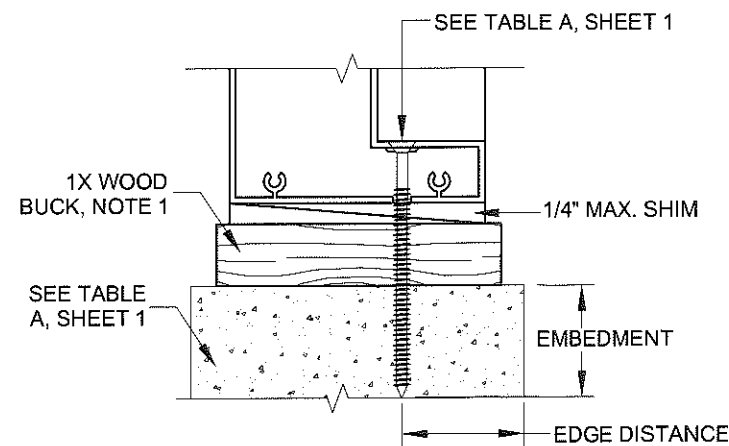
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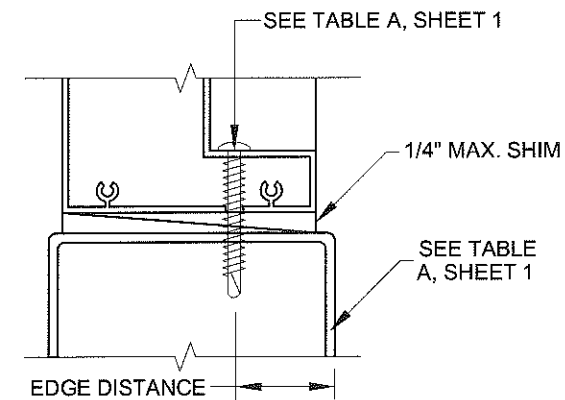
SIDE LITE JAMB (ALUMINUM)



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SIDE LITE SILL (CONC)



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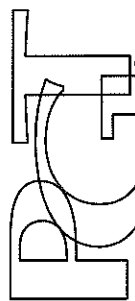
PRODUCT REVIEWED
as complying with the Florida
Building Code
Acceptance No. 17-0504.01
Expiration Date SEP 28, 2022
By: Isham J. Chandra
Member Product Control

Revision F) CLARIFIED DETAILS, ADDED ALUMINUM. - JR - 04/10/17

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ALUM. FRENCH DOOR & SIDE LITES, LM
SIDE LITE INSTALL DETAILS
FD-101 LM

