MIAMI-DADE COUNTY

DEPARTMENT OF REGULATORY AND ECONOMIC RESOURCES (RER)

BOARD AND CODE ADMINISTRATION DIVISION

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

NOTICE OF ACCEPTANCE (NOA)

PGT Industries, LLC
3400 Precision 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, has been designed to comply with the Florida Building Code, including the High Velocity Hurricane Zone.

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

APPROVAL DOCUMENT: Drawing No. **8000-11 Rev J**, titled "Alum. French Door & Side Lites, Impact", sheets 1 through 12 of 12, dated 12/23/04 and last revised on 12/18/24, prepared by manufacturer, signed and sealed by Anthony Lynn Miller, P. E., bearing the Miami-Dade County Product Control Section Renewal stamp with the Notice of Acceptance number and Expiration date by the Miami-Dade County Product Control Section.

MISSILE IMPACT RATING: Large and Small Missile Impact Resistant

Limitations:

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

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

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

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

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

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

This NOA **revises & renews NOA No. 23-0724.04** (PGT Industries, Inc.) and consists of this page 1 and evidence pages E-1, E-2, E-3, E-4 and E-5, as well as approval document mentioned above.

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

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

1. Evidence submitted under previous approvals

A. DRAWINGS

1. Manufacturer's die drawings and sections
2. Extrusion DWG # 8058 Rev A. ***(submitted under NOA#20-0427.03)***
3. Drawing No. **8000–11 Rev H**, titled "Alum. French Door & Side Lites, Impact", sheets 1 through 12 of 12, dated 12/23/04 and last revised on 04/20/20, prepared by manufacturer, signed and sealed by Anthony Lynn Miller, P. E.

B. TESTS

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

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

   along with marked–up drawings and installation diagram of an aluminum doors of OXXO configuration, prepared by Fenestration Testing Laboratory, Inc., Test Report No. **FTL–4921,** dated 07/17/06, signed and sealed by Edmundo J. Largaespada, P. E.
   (Submitted under previous NOA No. 05–0419.03)
2. Test reports on: 1) Air Infiltration Test, per FBC, TAS 202–94
   2) Uniform Static Air Pressure Test, Loading per FBC, TAS 202–94
   3) Water Resistance Test, per FBC, TAS 202–94
   4) Forced Entry Test, per FBC 2411.3.2.1, and TAS 202–94

   along with marked–up drawings and installation diagram of an aluminum doors of OXXO configuration, prepared by Fenestration Testing Laboratory, Inc., Test Reports No.'s **FTL–4528,** dated 02/14/05, **FTL–4315,** dated 09/13/04, both signed and sealed by Edmundo J. Largaespada, P. E. ***(Submitted under previous NOA No. 05–0419.03)***
3. Test reports on: 1) Large Missile Impact Test per FBC, TAS 201–94
   2) Cyclic Wind Pressure Loading per FBC, TAS 203–94

   along with marked–up drawings and installation diagram of an aluminum doors of XXXO configuration, prepared by Fenestration Testing Laboratory, Inc., Test Reports No.'s **FTL–4529,** dated 02/14/05, **FTL–4530,** dated 02/14/05, **FTL–4311,** dated 09/01/04, all signed and sealed by Edmundo J. Largaespada, P. E. ***(Submitted under previous NOA No. 05–0419.03)***
4. Test reports on: 1) Uniform Static Air Pressure Test, Loading per FBC, TAS 202–94
   2) Large Missile Impact Test per FBC, TAS 201–94
   3) Cyclic Wind Pressure Loading per FBC, TAS 203–94

   along with marked–up drawings and installation diagram of an aluminum outswing French door, prepared by Fenestration Testing Laboratory, Inc., Test Report No. **FTL–4312,** dated 09/13/04, signed and sealed by Edmundo J. Largaespada, P. E.

(Submitted under previous NOA No. 05–0419.03) Ishaq I. Chanda

Ishaq I. Chanda, P. E.
Product Control Unit Supervisor
NOA No. 24-1219.10
Expiration Date: February 24, 2030
Approval Date: January 16, 2025

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

B. TESTS (CONTUNUED)

5. Reference Test report on 1) Uniform Static Air Pressure Test, per FBC, TAS 202-94
   2) Large Missile Impact Test per FBC, TAS 201-94
   3) Cyclic Wind Pressure Loading per FBC, TAS 203-94
   Along with marked-up drawings and installation diagram of Aluminum Sliding Glass Doors (w/ PS, Super, Cardinal & Duraseal Spacers), prepared by Fenestration Testing Laboratory, Inc., Test Reports No(s) **FTL-8717, FTL-8970** and **FTL-8968**, dated 02/15/16, 06/07/16 and 06/20/16, all signed & sealed by Idalmis Ortega, P.E. ***(Submitted under previous NOA No. 16-06.29.16)***

6. Test reports on: 1) Air Infiltration Test, per FBC, TAS 202–94
   2) Uniform Static Air Pressure Test, Loading per FBC, TAS 202–94
   3) Water Resistance Test, per FBC, TAS 202–94
   4) Large Missile Impact Test per FBC, TAS 201–94
   5) Cyclic Wind Pressure Loading per FBC, TAS 203–94
   6) Forced Entry Test, per ASTM F588 and TAS 202-94
   along with marked-up drawings and installation diagram of all PGT Industries, Inc., representative units listed below and tested to qualify **Dowsil 791** and **Dowsil 983** silicones, per Proposal #**19-1155TP**, prepared by Fenestration Testing Laboratory, Inc., Test Reports No.: **PGT Industries, Inc. test specimens: FTL-7897,** PGT PW5520 PVC Fixed Window (unit 6 in proposal), dated 09/03/14, **FTL-20-2107.1,** PGT SGD780 Aluminum Sliding Glass Door (unit 7 in proposal) **FTL-20-2107.2,** PGT CA740 Alum. Outswing Casement Window (unit 8 in proposal) **FTL-20-2107.3,** PGT PW7620A Aluminum Fixed Window (unit 9 in proposal) and **FTL-20-2107.4**, PGT PW7620A Aluminum Fixed Window (unit 10 in proposal) all dated 07/13/20 and signed and sealed by Idalmis Ortega, P.E.
   (Submitted under previous NOA No. 20-0427.03)

C. CALCULATIONS

1. Anchor verification calculations and structural analysis, complying with **FBC 2010 and FBC 2014, 5th Edition**, prepared by manufacturer, dated 10/11/11, signed and sealed by A. Lynn Miller, P. E.
2. Anchor verification calculations and structural analysis, complying with **FBC 5th Edition (2014)** and **FBC 6th Edition (2017)**, prepared by manufacturer, dated 11/22/17, signed and sealed by A. Lynn Miller, P. E.
3. Anchor verification calculations and structural analysis, complying with **FBC 2020, 7th Edition**, prepared by manufacturer, dated 04/20/20, signed and sealed by A. Lynn Miller, P. E.
4. Glazing complies with ASTM E1300–04, -09, -12 and-16.

D. QUALITY ASSURANCE

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

Ishaq I. Chanda

Ishaq I. Chanda, P. E.
Product Control Unit Supervisor
NOA No. 24-1219.10
Expiration Date: February 24, 2030
Approval Date: January 16, 2025

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

E. MATERIAL CERTIFICATIONS

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

F. STATEMENTS

1. Statement letter of conformance to **FBC–2010** and complying with **FBC 5th Edition (2014)**, issued by manufacturer, dated 11/06/14, signed and sealed by A. Lynn Miller, P. E.
2. Statement letter of conformance with **FBC 5th Edition (2014)** and **FBC 6th Edition (2017)**, issued by manufacturer, dated 08/16/17, signed and sealed by A. Lynn Miller, P. E.
3. Statement letter of conformance to **FBC 2017 (6th Edition)** and **FBC 2020 (7th Edition)**, issued by manufacturer, dated 11/22/19, signed and sealed by Lynn Miller, P. E.
4. Statement letter of no financial interest, issued by manufacturer, dated 11/22/19, signed and sealed by A. Lynn Miller, P. E.
5. Department of State Certification of **PGT INDUSTRIES, INC.** as a for profit corporation, active and organized under the laws of the State of Florida, dated 01/27/15 and filed by Ken Detzner, Secretary of State.
6. Notification of Successor Engineer for manufacturer's NOA document per **Section 61G15–27.001** of the **Florida Administrative Code**, notifying original engineer that the successor engineer is assuming full professional and legal responsibility for all engineering documents pertaining to this NOA, dated 10/07/11, signed and sealed by A. Lynn Miller, P. E.

G. OTHERS

1. Proposal No.**08–1891** issued by Product Control, dated 01/26/09, signed by Ishaq Chanda, P. E.
2. Test proposal No. **16-0152** dated 03/09/16 approved by RER.
3. RER Test proposal # **19-1155**, dated 01/10/20 approved by Ishaq I. Chanda, P.E.

Ishaq I. Chanda

Ishaq I. Chanda, P. E.
Product Control Unit Supervisor
NOA No. 24-1219.10
Expiration Date: February 24, 2030
Approval Date: January 16, 2025

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

2. Evidence submitted under previous approval

A. DRAWINGS

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

B. TESTS

1. None.

D. CALCULATIONS

1. None.

D. QUALITY ASSURANCE

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

E. MATERIAL CERTIFICATIONS

1. None.

F. STATEMENTS

1. Statement letter of conformance to **FBC 2020 (7th Edition)** and **FBC 2023 (8th Edition)**, issued by manufacturer, dated 07/20/2023, signed and sealed by Lynn Miller, P. E.
2. Statement letter of no financial interest, issued by manufacturer, dated 07/20/2023, signed and sealed by A. Lynn Miller, P. E.

G. OTHER

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

Ishaq I. Chanda

Ishaq I. Chanda, P. E.
Product Control Unit Supervisor
NOA No. 24-1219.10
Expiration Date: February 24, 2030
Approval Date: January 16, 2025

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

3. NEW EVIDENCE SUBMITTED

A. DRAWINGS

1. Drawing No. **8000-11 Rev J**, titled "Alum. French Door & Side Lites, Impact", sheets 1 through 12 of 12, dated 12/23/04 and last revised on 12/18/24, prepared by manufacturer, signed and sealed by Anthony Lynn Miller, P. E.

B. TESTS

1. None.

C. CALCULATIONS

1. None.

D. QUALITY ASSURANCE

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

E. MATERIAL CERTIFICATIONS

1. Notice of Acceptance No. **24-0725.02** issued to **Kuraray America, Inc.** for their "**Trosifol® Ultraclear, Clear and Color PVB Glass Interlayers**", expiring on 07/08/29.
2. Notice of Acceptance No. **24-0312.10** issued to Eastman Chemical Company (MA) for their "Saflex CP – Suflex and Saflex HP Composite Glass Interlayers with PET Core" expiring on 12/11/28.
3. Notice of Acceptance No. **23-0713.19** issued to **Eastman Chemical Company (MA)** for their "**Saflex HP Clear or Color Glass Interlayers**", expiring on 03/13/27.

F. STATEMENTS

1. Statement letter of conformance, complying with **FBC 8th Edition (2023)**, and statement letter of no financial interest, dated 12/18/24, signed and sealed by Anthony Lynn Miller, P.E.
2. Statement letter dated 12/18/24 issued by manufacturer requesting renewal with company name change to PGT industries, LLC, signed and sealed by Anthony Lynn Miller, P.E.
3. e-mail dated 12/23/24 sent by Lynn Miller (PGT Code Compliance Manager) , consists of PGT innovation form 8-k filed w/SEC, PGT innovation form 10-K filled w/SEC and Exhibit 21(Form 10-K); PGT innovation's list of subsidiaries.

G. OTHERS

1. Article of conversion of PGT Industries, Inc to PGT industries, LLC pdf provided on 12/24/24 by Ms. April Lee, Assistant General Counsel.
2. Florida Department of State, Division of Corporation listing # L24000142070 of PGT Industries, LLC as active status since 12/17/24.
3. Florida Department of State, Division of Corporation listing # F03387 of PGT Industries, Inc as Inactive status.
4. PGT Name change organization chart layout prepared by RER (for file use only).
5. This NOA **revises & renews NOA No. *23-0724.04*** (PGT Industries, Inc.), expiring on 02/24/30.

Ishaq I. Chanda

Ishaq I. Chanda, P. E.
Product Control Unit Supervisor
NOA No. 24-1219.10
Expiration Date: February 24, 2030
Approval Date: January 16, 2025

SERIES 750 OUTSWING, IMPACT RESISTANT FRENCH DOOR AND SIDE LITE

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

1. GLAZING OPTIONS:
   A. 7/16" LAMI CONSISTING OF (1) LITE OF 3/16" ANNEALED GLASS AND (1) LITE OF 3/16" HEAT STRENGTHENED GLASS WITH AN .090" PVB INTERLAYER.
   B. 7/16" LAMI CONSISTING OF (2) LITES OF 3/16" HEAT STRENGTHENED GLASS WITH AN .090" PVB INTERLAYER.
   C. 7/16" LAMI CONSISTING OF (1) LITE OF 3/16" ANNEALED GLASS AND (1) LITE OF 3/16" HEAT STRENGTHENED GLASS WITH AN .070" INTERLAYER.
   D. 7/16" LAMI CONSISTING OF (2) LITES OF 3/16" HEAT STRENGTHENED GLASS WITH AN .070" INTERLAYER.
   E. 7/8" LAMI I.G. CONSISTING OF (1) LITE OF 3/16" TEMPERED GLASS OUTSIDE, 1/4" AIR SPACE AND (1) 7/16" LAMI GLASS ASSEMBLY INSIDE (3/16" A, .090" PVB, 3/16" HS).
   F. 7/8" LAMI I.G. CONSISTING OF (1) LITE OF 3/16" TEMPERED GLASS OUTSIDE, 1/4" AIR SPACE AND (1) 7/16" LAMI GLASS ASSEMBLY INSIDE (3/16" HS, .090" PVB, 3/16" HS).
   G. 7/8" LAMI I.G. CONSISTING OF (1) LITE OF 3/16" TEMPERED GLASS OUTSIDE, 1/4" AIR SPACE AND (1) 7/16" LAMI GLASS ASSEMBLY INSIDE (3/16" A, .070" INTERLAYER, 3/16" HS).
   H. 7/8" LAMI I.G. CONSISTING OF (1) LITE OF 3/16" TEMPERED GLASS OUTSIDE, 1/4" AIR SPACE AND (1) 7/16" LAMI GLASS ASSEMBLY INSIDE (3/16" HS, .070" INTERLAYER, 3/16" HS).

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

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

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

5. MULLIONS ARE NOT REQUIRED.

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

7. REFERENCED: TEST REPORTS: FTL-4211, FTL-4213, FTL-4216, FTL-4227, FTL-4228, FTL-4229, FTL-4230, FTL-4321 AND FTL-5941
   ANSI/AWC NDS FOR WOOD CONSTRUCTION
   ADM ALUMINUM DESIGN MANUAL

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

TABLE A

Anchor Group	Anchor Type	Frame Member	Substrate	Min. Edge Distance	Min. Embedment or Metal Thickness
A	#12 SWS (steel, 18-8 S.S. or 410 S.S.)	All	Southern Pine (SG = 0.55)	5/16"	1 3/8"
		All	SBD-72 Aluminum	3/8"	1/8"
		All	Steel, A36	3/8"	0.060"
		All	Steel, Grd. A (SG = .3)	3/8"	0.040" (18 Ga.)
B	1/4" SleeveBolt UltraCore®	All	Concrete (min. 3 ksi)	2"	1 3/4"
		ABPS	Hollow Block (ASTM C90)	2"	1 1/4"
C	1/4" 410 S.S. Ezy-Drive® Cobra® Anch	All	Concrete (min. 3 ksi)	1 3/4"	1 3/4"
		ABPS	Hollow Block (ASTM C90)	1 3/4"	1 1/4"
		All	Southern Pine (SG = 0.55)	1"	1 3/8"

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

Material	Min. F_y	Min. F_u
Steel Screw	97 ksi	120 ksi
18-8 Screw	85 ksi	90 ksi
410 Screw	90 ksi	110 ksi
Ezy-Drive®	140 ksi	170 ksi
1/4" Sleeve UltraCore®	146 ksi	163 ksi
410 S.S. Ezy-Drive® / Cobra®	127.4 ksi	168.7 ksi
SBD-72 Aluminum	19 ksi	31 ksi
A36 Steel	36 ksi	58 ksi
Gr. 33 Steel Stud	33 ksi	45 ksi

SHEETS

GENERAL NOTES	1
CONFIGURATIONS	1
GLAZING OPTIONS	2
DESIGN PRESSURES	3
ELEVATIONS	4
VERT. SECTIONS	5
HORIZ. SECTIONS	6
PARTS LIST	7
NOTES/ADDN.	8-9
ANCHORAGE	10-12

CODES, STANDARDS USED

- 2023 FLORIDA BUILDING CODE (FBC), 8TH EDITION
- ASTM E1300-16
- ANSI/AWC NDS-2018 FOR WOOD CONSTRUCTION
- ALUMINUM DESIGN MANUAL, ADM-2020
- ASCE 7-22
- AISC 360-16

PRODUCT REVIEWED
as complying with the Florida Building Code
Miami-Dade No. 24-1218.18
Expiration Date 02-04-2030
By
Miami-Dade Product Control

REVISED C.O. ADDRESS
JR - 12/18/24

REVISIONS	DATE
	11-1-2024

ALUM. FRENCH DOOR & SIDE LITE

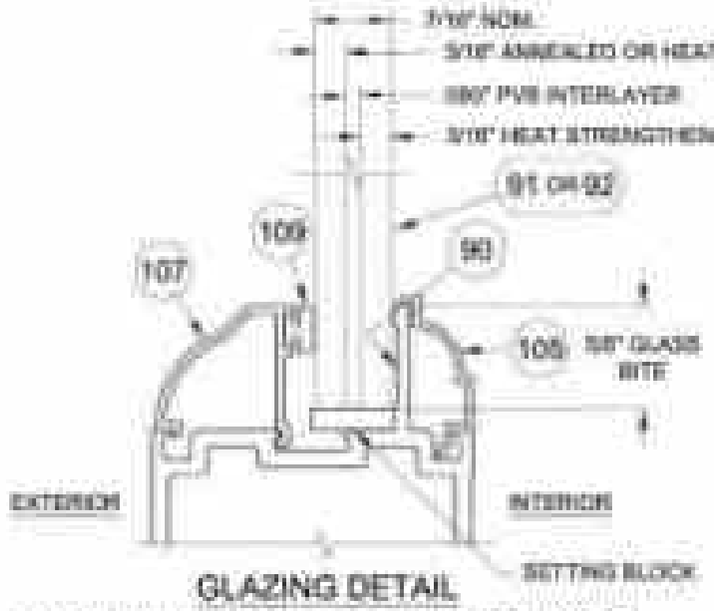
GENERAL NOTES

SHEET 1 OF 12

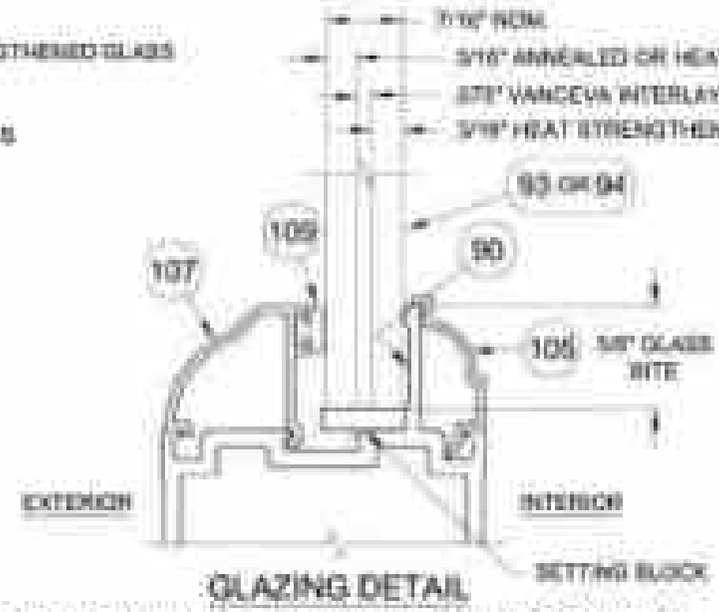
FORM

IPCT

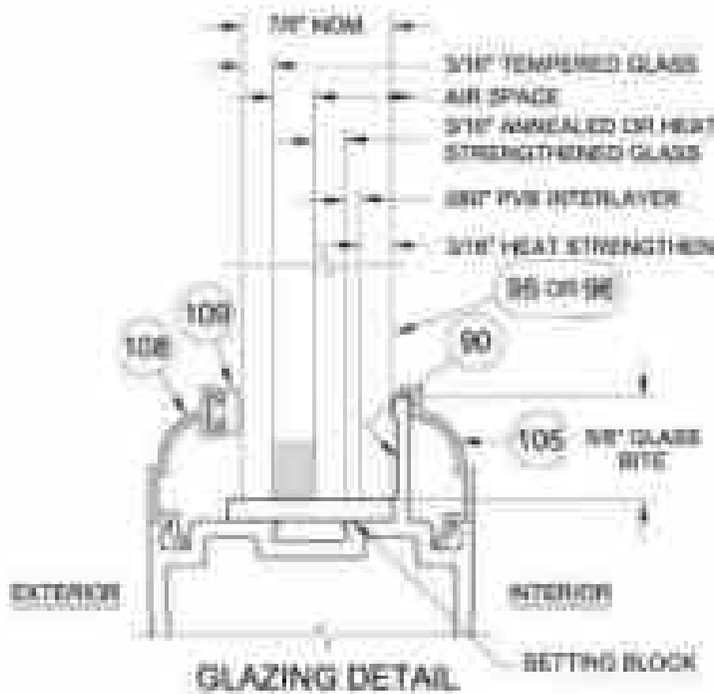




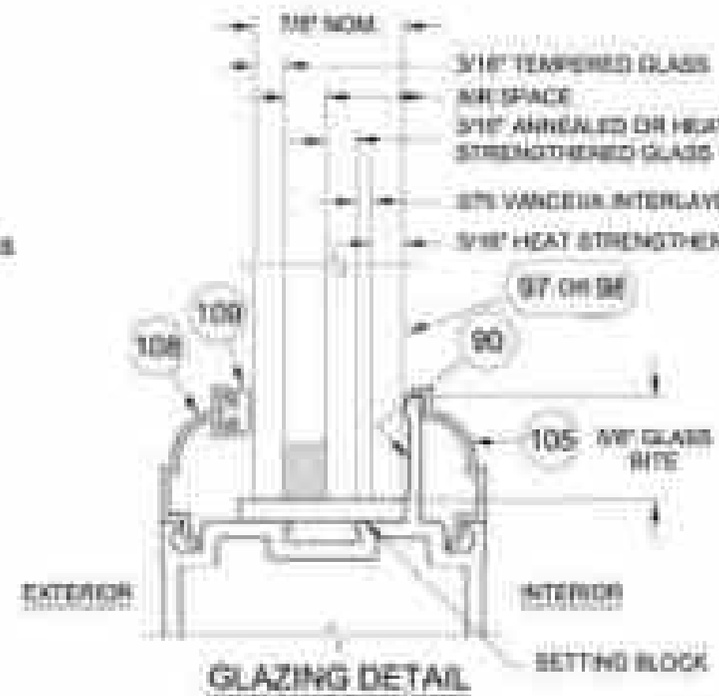
GLAZING DETAIL
7/16" LAMI GLASS W/ PVB INTERLAYER



GLAZING DETAIL
7/16" LAMI GLASS W/ VANCEVA INTERLAYER



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



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

"PVB" = .060"-TROSIFOL® PVB BY KURARAY AMERICA, INC. OR .060" SAFLEX/EEPSAFE MAXIMUM PVB BY EASTMAN CHEMICAL CO.; VANCEVA BY EASTMAN CHEMICAL CO.

PRODUCT RENEWED
in compliance with the Florida Building Code
NOA #: 24.1219.10
Expiration Date: 02/24/2029
By: Miami-Dade Product Control

REVISED CO. ADDRESS
JR - 12/18/24

IPGT
ALUM. FRENCH DOOR & SIDE LITE (LAMI)
GLAZING DETAILS
FD/SD
3 OF 12
(ENS ROSCHWALD)
12/23/2024
8500-11

Table 1. Maximum Design Pressures (psf)

Configuration		Width (in)	Allowed Glass Types	Height (in)									
				79 3/4" (6[ft])		83 3/4" (7[ft])		87 3/4"		91 3/4"		95 3/4" (8[ft])	
French Door	X	37" (3[ft])	A,E	+70.0	-80.0	+70.0	-80.0	+70.0	-80.0	+70.0	-80.0	+70.0	-80.0
			C,G	+100.0	-100.0	+100.0	-100.0	+100.0	-100.0	+100.0	-100.0	+100.0	-100.0
	XX	71 3/4" (6[ft])	A,E	+70.0	-80.0	+70.0	-80.0	+70.0	-80.0	+70.0	-80.0	+70.0	-80.0
			C,G	+100.0	-100.0	+100.0	-100.0	+100.0	-100.0	+100.0	-100.0	+100.0	-100.0
Sidelite	Full Jamb	36 11/16"	A,E	+70.0	-80.0	+70.0	-80.0	+70.0	-80.0	+70.0	-80.0	+70.0	-80.0
			C,G	+100.0	-100.0	+100.0	-100.0	+100.0	-100.0	+100.0	-100.0	+100.0	-100.0
	Narrow Jamb	30 11/16"	C,G	+100.0	-100.0	+100.0	-100.0	+100.0	-100.0	+100.0	-100.0	+100.0	-100.0
		30 11/16"	C,G	+100.0	-100.0	+100.0	-100.0	+100.0	-100.0	+100.0	-100.0	+97.4	-97.4
		36 11/16"	A, B, E, F	+70.0	-80.0	+70.0	-80.0	+70.0	-80.0	+70.0	-80.0	+70.0	-80.0
			C,G	+100.0	-100.0	+96.8	-96.8	+95.3	-95.3	+91.4	-91.4	+87.8	-87.8
			D,H	+100.0	-100.0	+100.0	-100.0	+100.0	-100.0	+100.0	-100.0	+100.0	-100.0

Table 1a. Glass Type and Test Report Number

A - 7/16" LAMI (3/16"A, 090 PVB, 3/16"HS)	FTL-4311, 4312, 4313
B - 7/16" LAMI (3/16"HS, 090 PVB, 3/16"HS)	UPGRADE FTL-4311, 4312, 4313
C - 7/16" LAMI (3/16"A, 075 VANCEVA, 3/16"HS)	FTL-4627, 4628, 4629, 4630
D - 7/16" LAMI (3/16"HS, 075 VANCEVA, 3/16"HS)	UPGRADE FTL-4627, 4628, 4629, 4630
E - 7/8" LAMI I.G. (3/16"T, 1/4" AIR SPACE, 3/16"A, 090 PVB, 3/16"HS)	FTL-4311, 4312, 4313
F - 7/8" LAMI I.G. (3/16"T, 1/4" AIR SPACE, 3/16"HS, 090 PVB, 3/16"HS)	UPGRADE FTL-4311, 4312, 4313
G - 7/8" LAMI I.G. (3/16"T, 1/4" AIR SPACE, 3/16"A, 075 VANCEVA, 3/16"HS)	FTL-4627, 4628, 4629, 4630
H - 7/8" LAMI I.G. (3/16"T, 1/4" AIR SPACE, 3/16"HS, 075 VANCEVA, 3/16"HS)	UPGRADE FTL-4627, 4628, 4629, 4630



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

PRODUCT REVIEWED
as complying with the Florida Building Code
NOA No. 24-1218.19
Expiration Date 02.04.2030
By
Miami-Dade Product Control

REVISED CO ADDRESS
JR - 12/19/24

1	11.1.2024	INITIAL RELEASE

ALUM. FRENCH DOOR & SIDELITE

DESIGN PRESSURE

PGT

3 OF 12

R0150

ARCHITECTURAL REVIEW

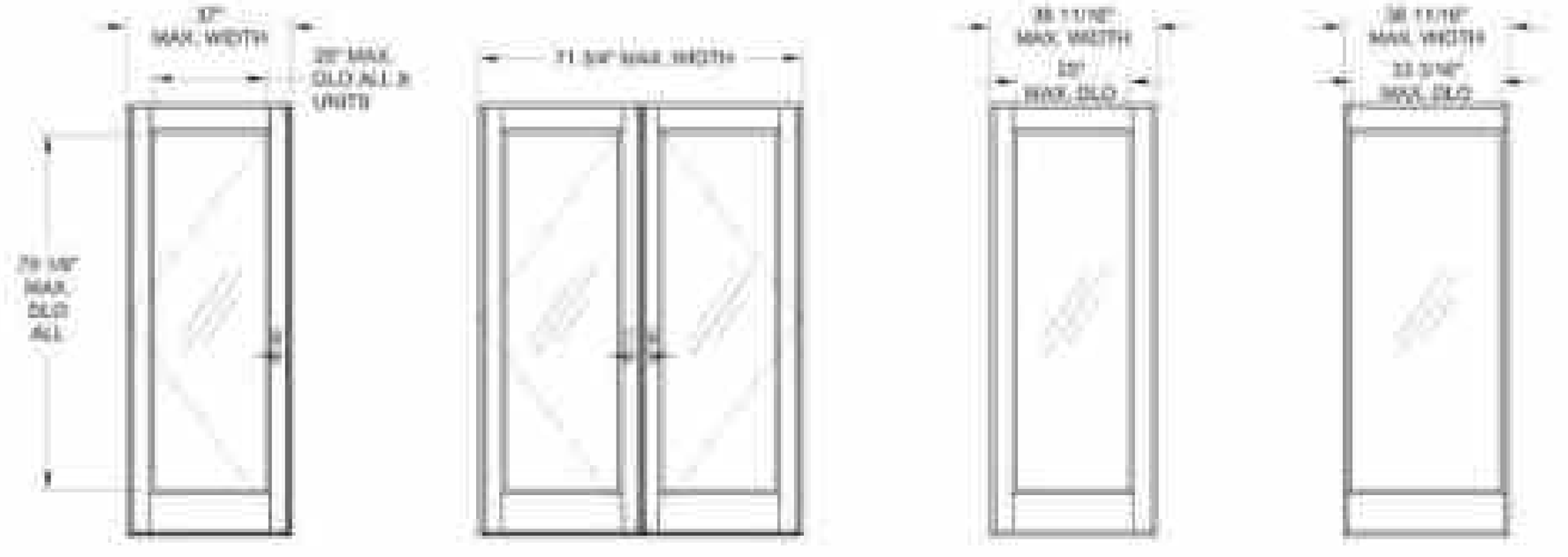
PROFESSIONAL ENGINEER



OX OR XO

OXO

OXXO (SHOWING EACH VERSION SIDELITE)



X

XX

O (FULL JAMB)

O (NARROW JAMB)

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

PRODUCT RENEWED
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NOA No. 24-1218.18
Expiration Date 02.04.2030
By
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1	11.13.09	
	REVISIONS	
	DESCRIPTION	
	DATE	

ALUM FRENCH DOOR & SIDELITES W/ TEMP GLASS

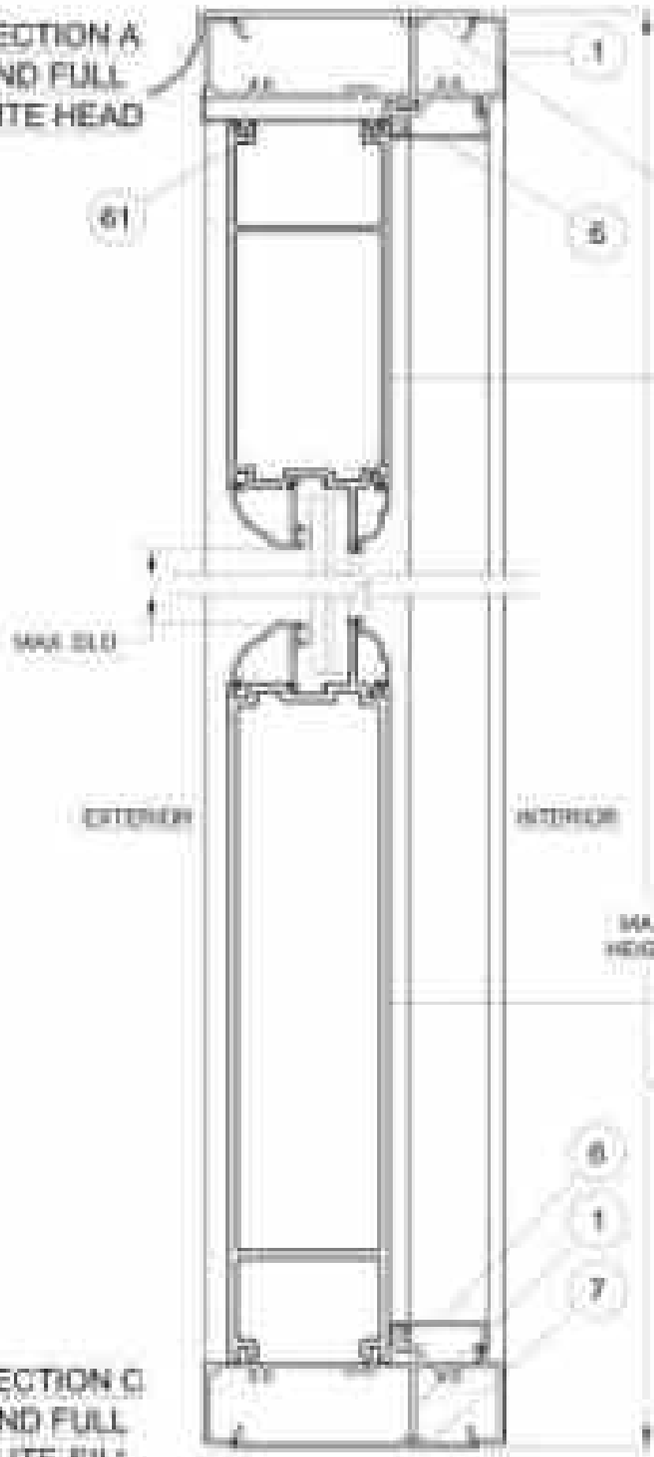
ELEVATIONS

PGT

WESTLAKE, FL

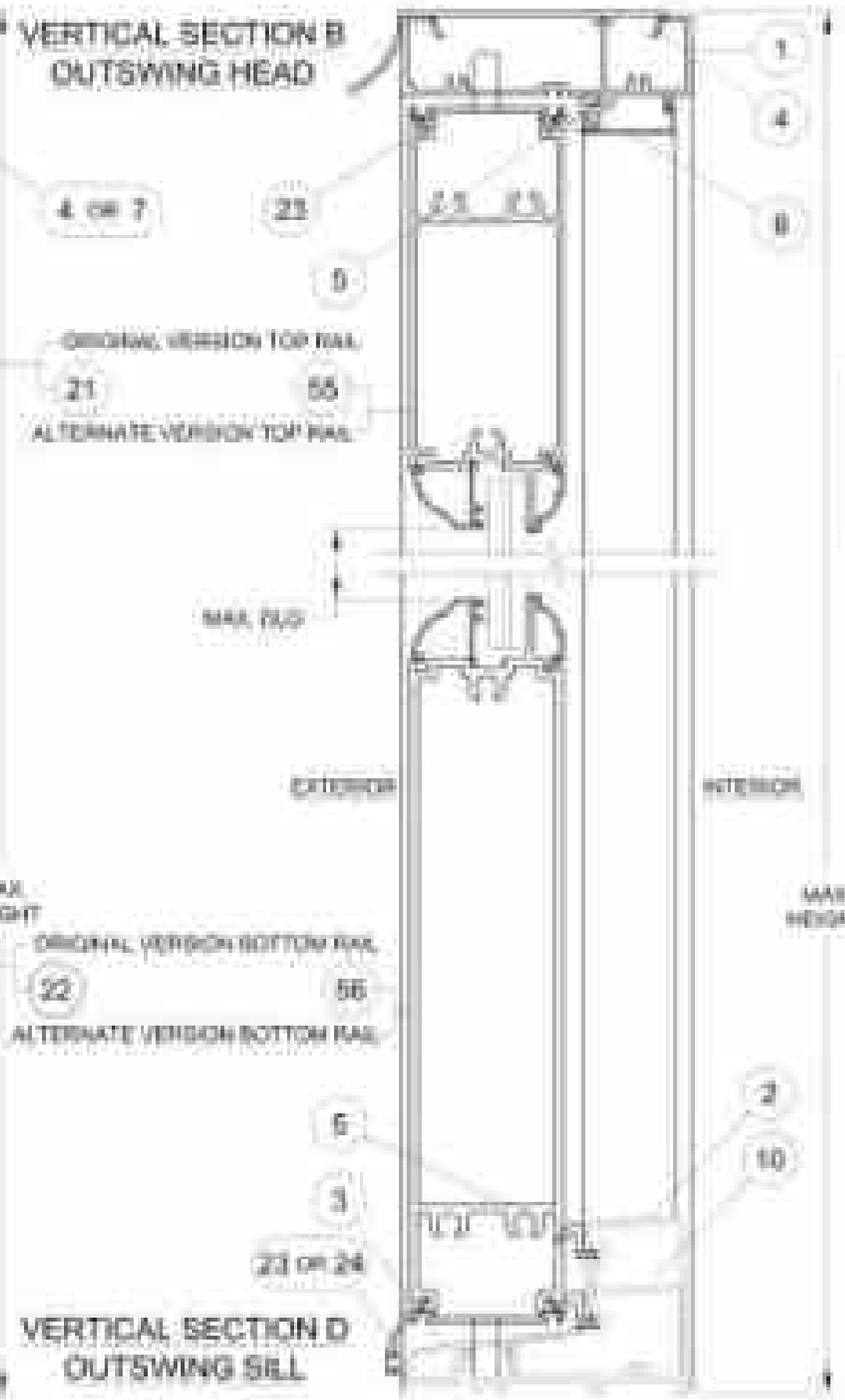


VERTICAL SECTION A
NARROW AND FULL
JAMB SIDE LITE HEAD

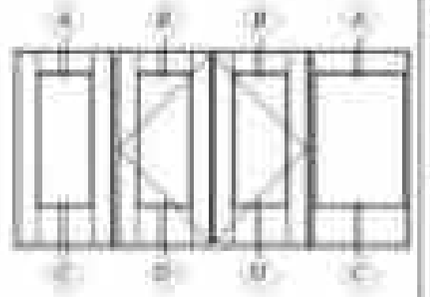


VERTICAL SECTION C
NARROW AND FULL
JAMB SIDE LITE SILL

VERTICAL SECTION B
OUTSWING HEAD



VERTICAL SECTION D
OUTSWING SILL



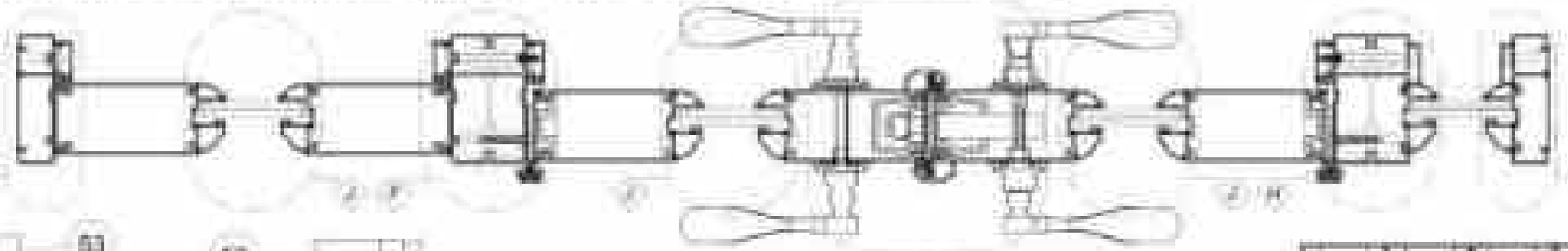
PRODUCT RENEWED
as complying with the Florida Building Code
NOA No. 24-1218.18
Expiration Date 02.04.2030
By
Miami-Dade Product Control

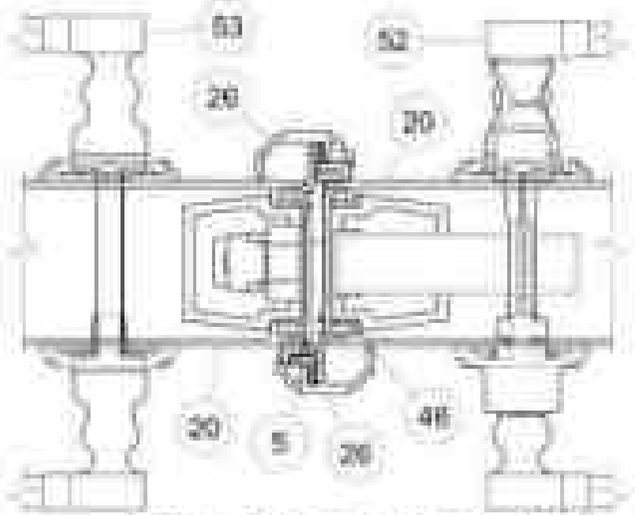
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JR - 12/19/24

11.08.23			
REVISIONS PER			
ALUM. FRENCH DOOR & SIDE LITES			
VERTICAL SECTION			
PGT			

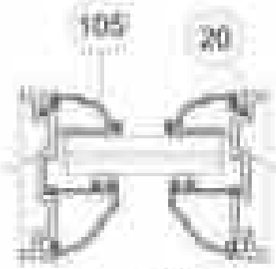


OXXO HORIZONTAL SECTION SHOWING (1) OF EACH SIDE LITE TYPE

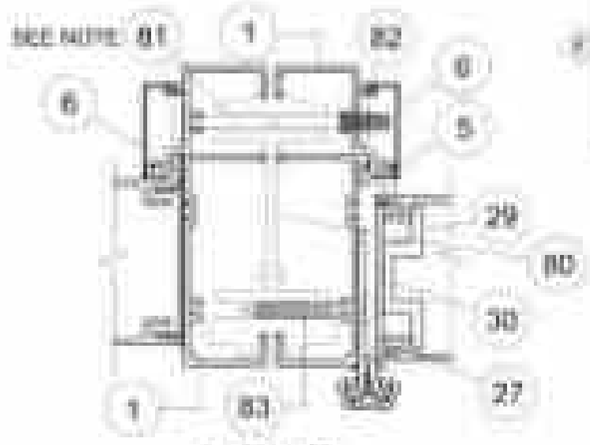




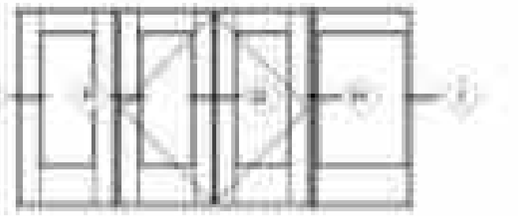
DETAIL G STILES AT ASTRAGAL



DETAIL J
SLAB AT
GLASS BED

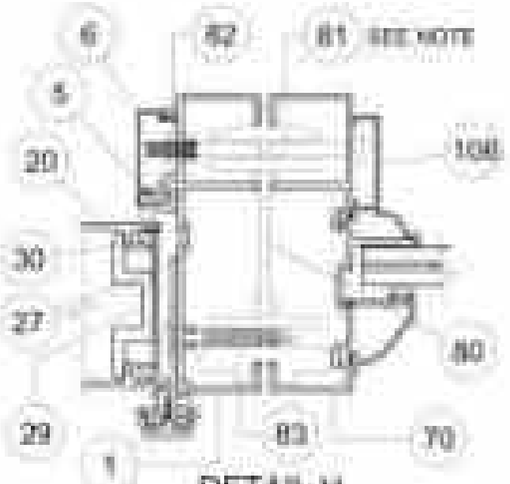


DETAIL F
FULL JAMB SIDE LITE
(AT HINGE JAMB)

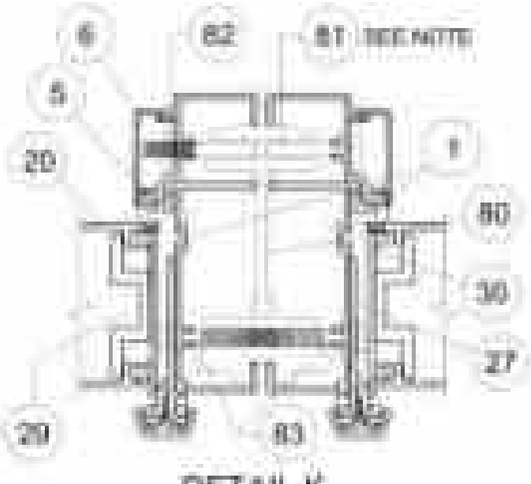


NOTE: ASSEMBLY HARDWARE QTY (2) 1ST FROM TOP & BOTTOM AND ONE AT MIDPNT





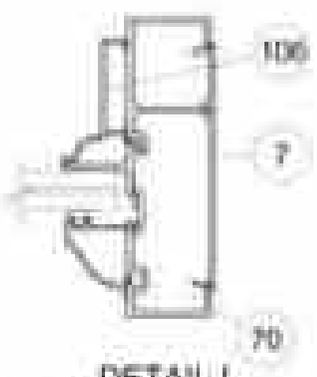
DETAIL H
NARROW JAMB SIDE LITE
(AT HINGE JAMB)



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



DETAIL E
JAMB, FULL JAMB
SIDE LITE



DETAIL I
JAMB, NARROW
JAMB SIDE LITE

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as complying with the Florida Building Code
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Expiration Date 02/24/2030
By
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JR - 12/19/24

	11/1/23	

IMPACT ENGR

ALUM. FRENCH DOOR & SIDE LITE

HORIZONTAL SECTIONS

PGT

4/16" = 1'-0"

FD50

WESLEY LYNN MILLER
LICENSE
No. 84709
STATE OF
FLORIDA
PROFESSIONAL ENGINEER

ITEM	DWG #	DESCRIPTION	PART #
[illegible]	[illegible]	[illegible]	[illegible]

FD750 FULL JAMB SIDE LITE

ITEM	DWG #	DESCRIPTION	PART #
[illegible]	[illegible]	[illegible]	[illegible]

FD750 NARROW JAMB SIDE LITE

ITEM	DWG #	DESCRIPTION	PART #
[illegible]	[illegible]	[illegible]	[illegible]

ASSEMBLY KIT

ITEM	DWG #	DESCRIPTION	PART #
[illegible]	[illegible]	[illegible]	[illegible]

GLASS, BEADS & SIGHTLINE

ITEM	DWG #	DESCRIPTION	PART #
[illegible]	[illegible]	[illegible]	[illegible]

PRODUCT RENEWED
as complying with the Florida Building Code
NOA-No. 24-1219.10
Expiration Date 02/24/2030
By
Miami-Dade Product Control

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JR - 12/18/24

PGT

ALUM. FRENCH DOOR & SIDE LITES (LM)

PARTS LIST

FD750

7 OF 12

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



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



2 #8003C 6063-T6
OUT-SWING SILL



3 #8004C 6063-T5
OS SILL COVER



4 #8008 6063-T5
DRIP CAP



6 #8007 6063-T6
SCREW COVER



7 #8009 6063-T6
INSTALL PLATE



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



20 #6012 6063-T6
STILE



23 #8017 6063-T5
TOP SWEEP



22 #8013 6063-T6
BOTTOM RAIL



21 #8014 6063-T5
TOP RAIL



24 #8016 6063-T5
BOTTOM SWEEP



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



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



26 #8015 6063-T6
ASTRAGAL

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as complying with the Florida Building Code
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Miami-Dade Product Control

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PGT
ALUM. FRENCH DOOR & SIDELITE
EXTRUSION PROFILES
8000
11/19/99
1
4 OF 13
8000





27 #8021B 6063-T6
GEAR HINGE, JAMB



28 #8020A 6063-T6
GEAR HINGE, COVER



29 #8018 6063-T5
HINGE, BACK-UP



30 #8019A 6063-T6
GEAR HINGE, DOOR



61 #8028 6063-T5
SL HEAD TRIM



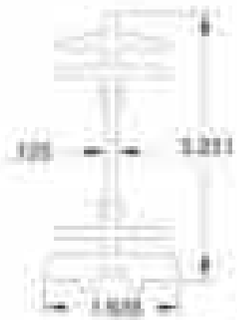
84 #8056 6063-T4
SUBSILL, OPTIONAL



70 #8010 6063-T6
NARROW SL JAMB



37 #8039 6063-T6
TRUSS CLAMP



60 #8033B 6105-T5
FD ASS'Y BEAM



105 #8022 6063-T5
BACKBEAD



106 #8026A 6063-T5
SL BACKBEAD



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



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



62 #8029 6063-T5
SL JAMB TRIM



KODISPACE 45G TPS



SUPER SPACER® NXT™



DURASEAL® SPACER



XL EDGE™ SPACER

Part #	Description	Material
101	Kommerling 4SG TPS Spacer System	See this Sheet for Materials
101	Quanex Super Spacer NXT with Hot Melt Butyl	
102	Quanex Duraseal Spacer	
103	Cardinal IG Edge Spacer	

Approximate Total Insulating Thickness: 5/8" Glass & Metal

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as complying with the Florida Building Code
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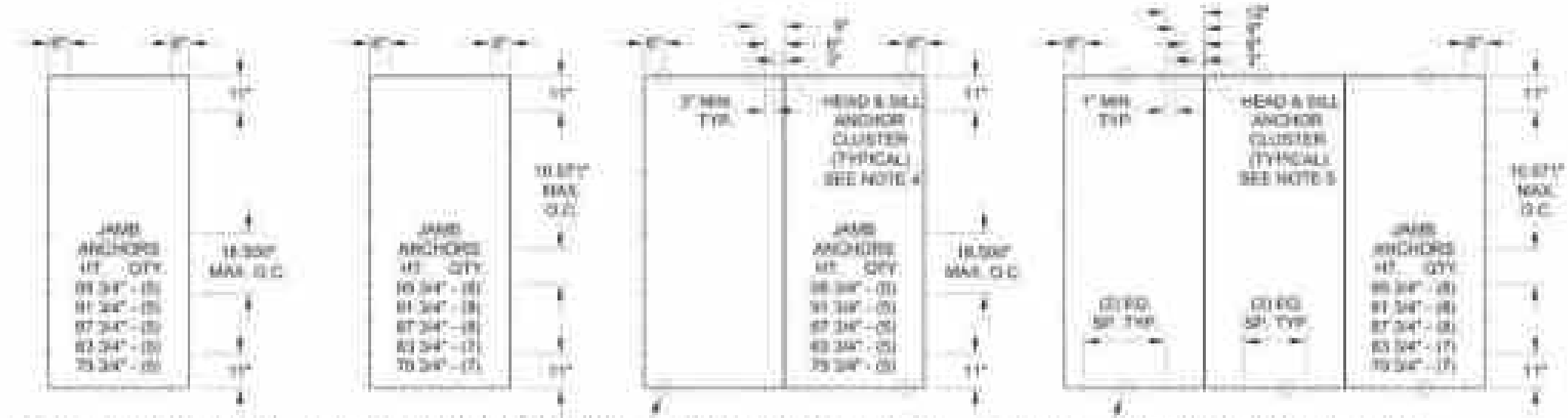
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11.19.09		
9.9.11		
4.9.14		
6.7.20		

ALUM. FRENCH DOOR & SIDELITE FRAME
EXTRUSION PROFILES

IGT





DETAIL A (CONCRETE)
(SINGLE PANEL)
ANCHOR TYPES:
B OR C

DETAIL B (WOOD/ALUM.)
(SINGLE PANEL)
ANCHOR TYPES:
C OR A

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

SEE NOTE 4 REGARDING APPLICABILITY OF CIRCLED ANCHOR LOCATIONS

SEE NOTE 5 REGARDING APPLICABILITY OF CIRCLED ANCHOR LOCATIONS

DETAIL D (WOOD/ALUM.)
(2 OR MORE PANELS)
ANCHOR TYPES:
C OR A

ANCHORAGE SPACING REQUIREMENTS

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

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

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

   HEAD AND SILL ..... 3" MAX. FROM FRAME CORNERS.
   JAMBS ..... 11" MAX. FROM FRAME CORNERS. 18.500" MAX. O.C. CONCRETE SUBSTRATE (DETAIL A) AND 16.875" MAX. O.C. WOOD SUBSTRATE (DETAIL B).

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

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

5. TWO OR MORE PANEL CONFIGURATIONS: (DETAIL D: WOOD/ALUM. SUBSTRATE)
   HEAD AND SILL: 1" MAX. FROM FRAME CORNERS AND AT 3", 6", 9" AND 12" MAX. ON EACH SIDE OF ASSEMBLY BEAM AND/OR ASTRAGAL LOCATIONS (CLUSTER OF 8). CIRCLED ANCHOR OUTSIDE CLUSTER REQUIRED IF PANEL WIDTH IS OVER 27 3/4".

   JAMBS: 11" MAX. FROM FRAME CORNERS AND 16.875" MAX. O.C.

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By
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JR - 12/19/24

1	11.19.09	
	REVISIONS	
	DESCRIPTION	

ALUM. FRENCH DOOR & SIDE LITE
ANCHORAGE SPACING
FOR SU

SHEET 2 OF 2

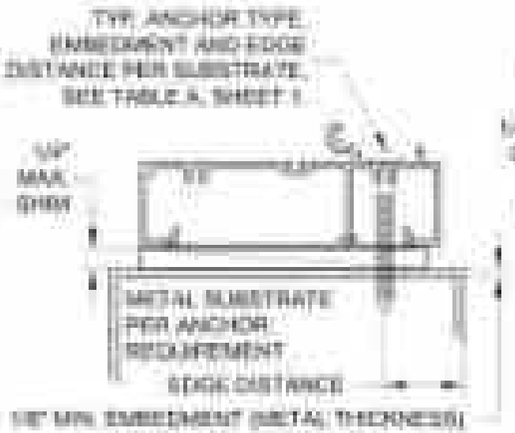
IGT

ARCHITECTURAL ENGINEERING

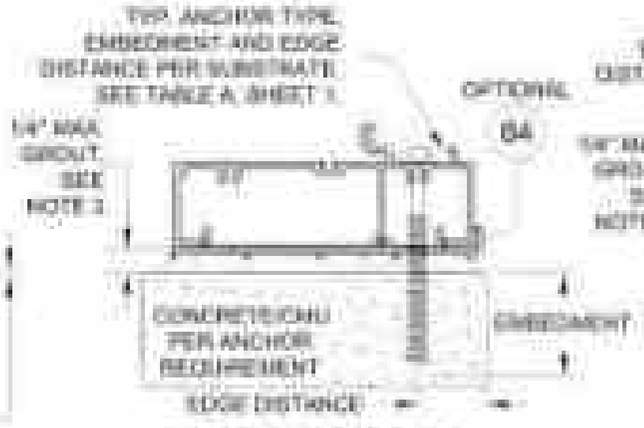
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PROJECT NO. 11-1218

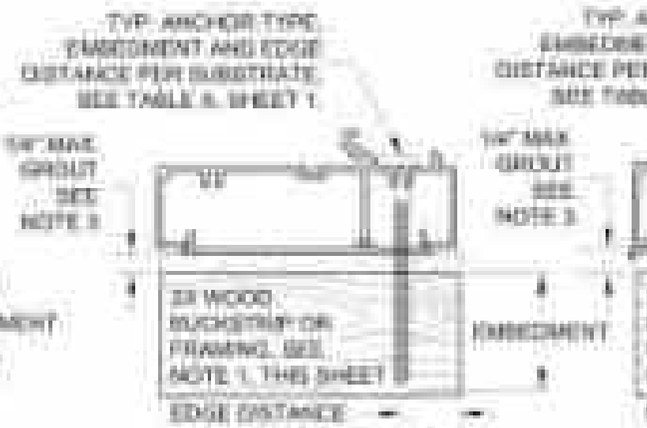
ARCHITECTURAL ENGINEERING
No. 59709
STATE OF FLORIDA
PROFESSIONAL ENGINEER



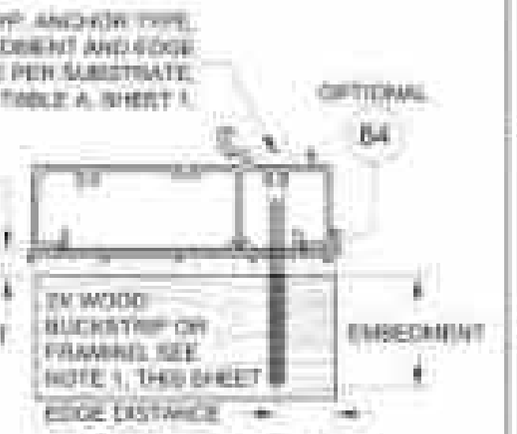
TYPICAL SIDE LITE SILL (DIRECT TO METAL)



TYPICAL SIDE LITE SILL (DIRECT TO CONCRETE)



TYPICAL SIDE LITE SILL (DIRECT TO WOOD)

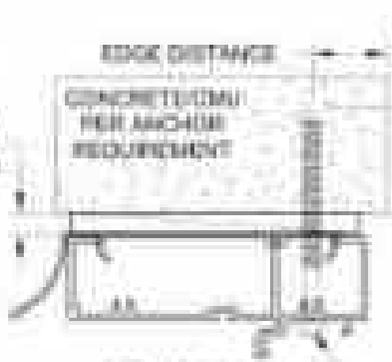


TYPICAL SIDE LITE SILL (DIRECT TO WOOD)

EXTERIOR INTERIOR
(ALL HEAD & SILL SECTIONS)



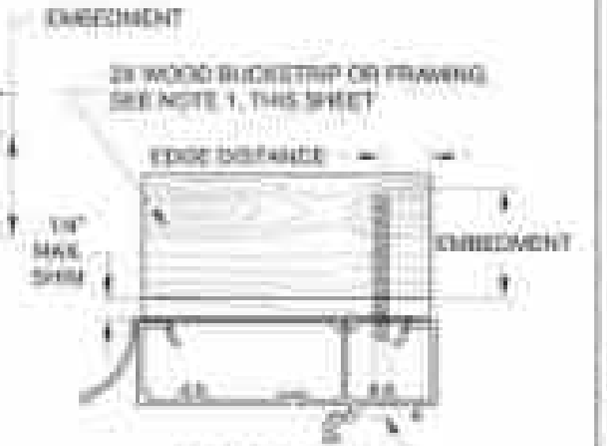
TYPICAL DOOR & SIDE LITE HEAD (DIRECT TO METAL)



TYPICAL DOOR & SIDE LITE HEAD (DIRECT TO CONCRETE)



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



TYPICAL DOOR & SIDE LITE HEAD (DIRECT TO WOOD)

NOTES:

1. WOOD BUCKS DEPICTED AS 1x ARE LESS THAN 1-1/2" THICK. 1x WOOD BUCKS ARE OPTIONAL IF UNIT IS INSTALLED DIRECTLY TO SOLID CONCRETE. WOOD BUCKS DEPICTED AS 2x ARE 1-1/2" THICK OR GREATER. INSTALLATION TO THE SUBSTRATE OF WOOD BUCKS TO BE ENGINEERED BY OTHERS OR AS APPROVED BY THE AUTHORITY HAVING JURISDICTION (AHJ).
2. FOR ATTACHMENT TO ALUM. THE MATL SHALL BE A MIN. STRENGTH OF 6063-T5 AND A MIN. OF 1/8" THICK. THE ALUM. STRUCTURAL MEMBER SHALL BE OF A SIZE TO PROVIDE FULL SUPPORT TO THE DOOR FRAME SIMILAR TO THAT SHOWN IN THE DETAILS ON THIS SHEET FOR 2x WOOD BUCKS. THE ANCHOR SHALL BE #-#12 SMS WITH FULL ENGAGEMENT INTO THE ALUM. IF THESE CRITERIA ARE MET, THE PRESSURES SHOWN ON SHEET 2 AND ANCHORAGE SPACING FOR WOOD SHOWN ON SHEET 10 MAY BE USED.
3. IF SILL IS TIGHT TO SUBSTRATE, GROUT OR OTHER MATERIAL IS NOT REQUIRED. IF USED, NON-SHRINK, NON-METALLIC GROUT, 3000 PSI MIN., (NOT BY OTHERS) MUST FULLY SUPPORT THE ENTIRE LENGTH OF THE SILL THAT IS NOT TIGHT TO THE SUBSTRATE, AND TRANSFER SIMILAR LOAD TO SUBSTRATE.

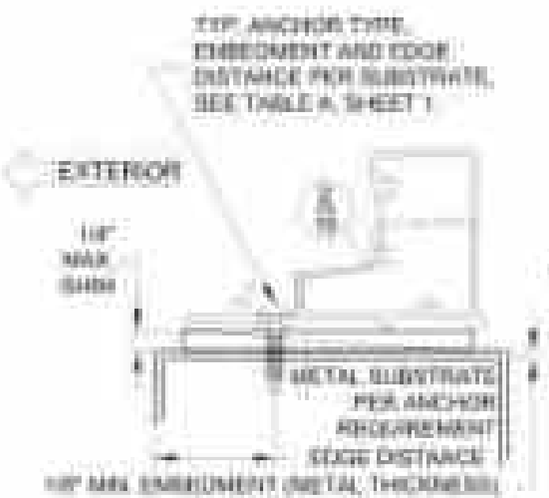
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as complying with the Florida Building Code
NOA No. 24-1218.10
Expiration Date 02/24/2030
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Miami-Dade Product Control

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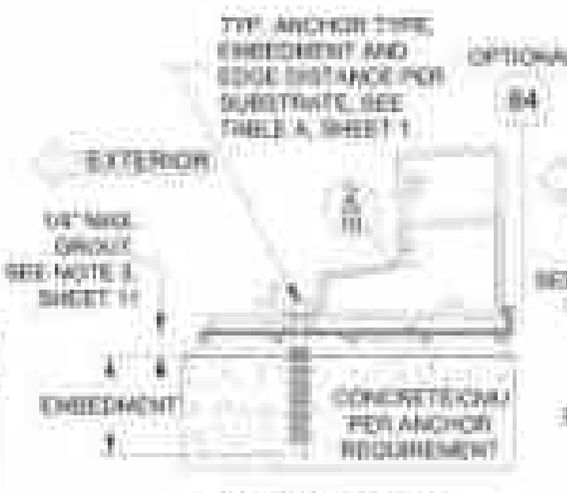
1	11/19/24	REVISED C/O ADDRESS
		ALUM. FRENCH DOOR & SIDE LITES IN
		ANCHORAGE DETAILS
		11 OF 12
		R0150

IGT
INTERNATIONAL GLASS TECHNOLOGY, INC.
P.O. BOX 1000
HIALEAH, FL 33011
TEL: (305) 888-8888
FAX: (305) 888-8888

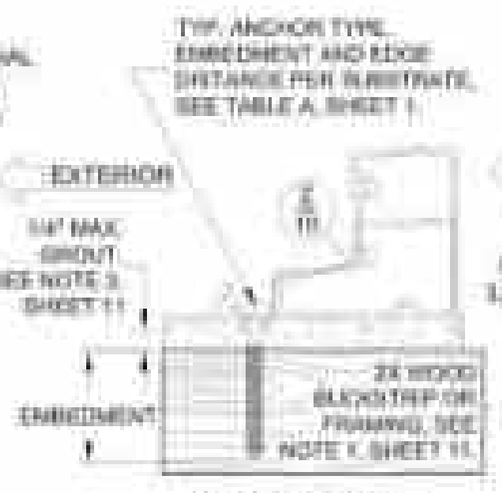
ANTONIO LUIS MILLER
No. 84758
STATE OF FLORIDA
PROFESSIONAL ENGINEER
ALM MILLER, Inc
P.E. # 84758



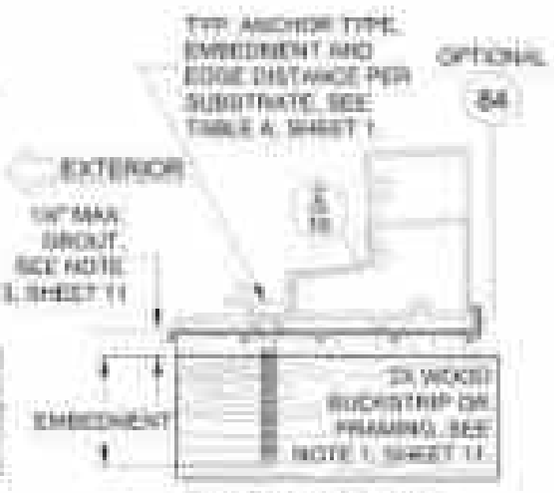
TYPICAL DOOR SILL (DIRECT TO METAL)



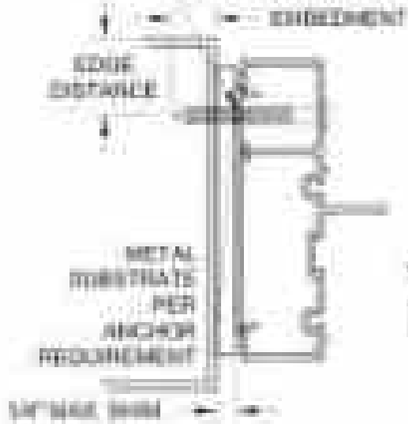
TYPICAL DOOR SILL (DIRECT TO CONCRETE)



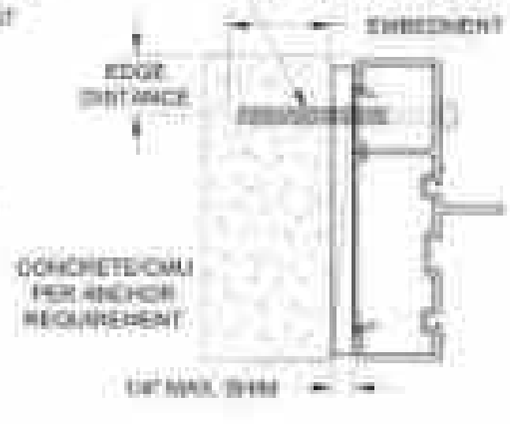
TYPICAL DOOR SILL (DIRECT TO WOOD)



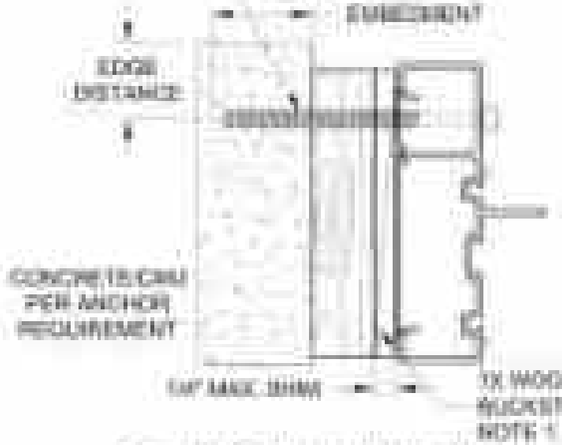
OPTIONAL DOOR SILL (DIRECT TO WOOD)



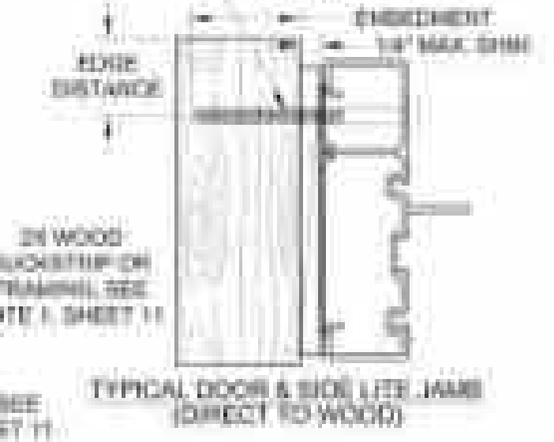
TYPICAL DOOR & SIDE LITE JAMB (DIRECT TO METAL)



TYPICAL DOOR & SIDE LITE JAMB (DIRECT TO CONCRETE)



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



TYPICAL DOOR & SIDE LITE JAMB (DIRECT TO WOOD)

PRODUCT RENEWED
as complying with the Florida Building Code
NOA No. 24-1218.19
Expiration Date 02.04.2030
By
Miami-Dade Product Control

REVISED C/O ADDRESS
JR - 12/19/24

1	11/13/09	REVISED ENGR. SHEET
2	10/21/10	REVISED
3	12/21/12	REVISED
4	07/30/13	REVISED

ALUM. FRENCH DOOR & SIDE LITE HURRICANE IMPACT
ANCHORAGE DETAILS
FD150

PGT
1070 TECHNOLOGY DRIVE
NORTH VENICE, FL 34275
941.486.8555

LYNN MILLER
No. 39709
STATE OF FLORIDA
PROFESSIONAL ENGINEER