



ENTRY DOOR
#1

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

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

Labrador & Fundora Corp dba V & V Windows
2355 W 4th Avenue
Hialeah, FL 33010-1454

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 "300" Outswing Glazed Aluminum Door w/wo Sidelite or door w/wo Transom-LMI

APPROVAL DOCUMENT: Drawing No. W10-08 Rev G, titled "Series Aluminum Out-Swing Entrance Door (L.M.I.)", sheets 1 through 12 of 12, dated 02/24/10 and last revised on 03/29/17, prepared by Al-Farooq Corporation, signed and sealed by Javad Ahmad, 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

Limitations:

1. See Design Pressure (DP) ratings in sheets 2, 3, 4 & 5 for unit sizes Vs glass type. Lower Design Pressure from doors, sidelites or mullion shall control when doors are mullied (w/wo Reinforcements).
2. Door w/ transom is limited to max. 25-1/2" h Transom.
3. The maximum positive exterior DP shall be + 66.30 PSF, where water infiltration requirement is needed.
4. Glass lite wider than 36" shall be supported with approved setting blocks or clamps per FBC requirements.
5. The frame area of alternate size shall not exceed 96 ft², nor panel tested area and max. panel height.

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 15-0310.05 consists of this page 1 and evidence pages E-1 and E-2, as well as approval document mentioned above.

The submitted documentation was reviewed by Jorge M. Plasencia, P.E.

MIAMI-DADE COUNTY
APPROVED

P
12/15/17

NOA No. 17-1011.02
Expiration Date: September 01, 2020
Approval Date: December 21, 2017
Page 1

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

1. EVIDENCE SUBMITTED UNDER PREVIOUS NOA'S

A. DRAWINGS

1. Manufacturer's die drawings and sections (Submitted under files below).
2. Drawing No. **W10-08 Rev F**, titled "Series Aluminum Out-Swing Entrance Door (L.M.I.)", sheets 1 through 12 of 12, dated 02/24/10 and last revised on SEP 03, 2015, prepared by Al-Farooq Corporation, signed and sealed by Javad Ahmad, P.E.

B. TESTS (Submitted under files #12-0113.02/#10-0406.04)

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(+50.0 PSF, sill S-I only)
 - 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 an Aluminum outswing French doors w/wo sidelite and door w/Transom & sidelites, prepared by American Test Lab of South Florida, Inc., Test Report No. **ATLSF-0403.02-08**, dated 01/18/10, signed and sealed by William R. Mehner, P. E., Henry Hattem, P. E. and Edmundo J. Largaespada, P. E.

C. CALCULATIONS

1. Anchor verification calculations and structural analysis, complying with FBC-2014(5th Edition), prepared by Al Farooq Corporation, dated 02/18/15 and last revised on AUG 13, 2015, signed and sealed by Javad Ahmad, P.E.
2. Glazing complies w/ ASTM E-1300-02, 04 and -09

D. QUALITY ASSURANCE

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

E. MATERIAL CERTIFICATIONS

1. Notice of Acceptance No. **14-0916.10** issued to **Kuraray America, Inc.** (former E.I. Dupont) for their "**Butacite® PVB Glass Interlayer**", expiring on 12/11/16

F. STATEMENTS

1. Statement letter of conformance to FBC 2014(5th Edition) and letter of no financial interest, prepared by Al Farooq Corporation, dated 02/11/15, signed and sealed by Javad Ahmad, P.E.
2. Lab compliance and addendum letters, as part of the above referenced test reports.
3. Asset purchase agreement dated July 28, 2009, signed by Mr. David Labrador and Mr. Candido D. Vega. (Submitted under previous NOA No. **10-0406.04**)


Jorge M. Plasencia, P.E.
Product Control Unit Supervisor
NOA No 17-1011.02
Expiration Date: September 01, 2020
Approval Date: December 21, 2017

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

F. STATEMENTS (continued)

4. Florida Department of State, Div of Corporation, active listing of Labrador & Foundora Corporation, dated 05/07/19985.
5. Florida Department of State, active fictitious name listing of V& V Windows, dated 08/13/15.

G. OTHER

1. This NOA revises & renews # 12-0113.02, expired on 09/01/15.
2. Test proposals #07-3564 & test proposal dated 10/20/08 approved by BCCO.

2. NEW EVIDENCE SUBMITTED

A. DRAWINGS

1. Drawing No. **W10-08 Rev G**, titled "Series Aluminum Out-Swing Entrance Door (L.M.I.)", sheets 1 through 12 of 12, dated 02/24/10 and last revised on 03/29/17, prepared by Al-Farooq Corporation, signed and sealed by Javad Ahmad, P.E.

B. TESTS

1. None.

C. CALCULATIONS

1. Anchor verification calculations and structural analysis, complying with **FBC 5th Edition (2014)** and **FBC 6th Edition (2017)**, prepared by Al Farooq Corporation, dated 09/25/17, signed and sealed by Javad Ahmad, P.E.

D. QUALITY ASSURANCE

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.** for their "**Trosifol® Ultraclear, Clear and Color PVB Glass Interlayers**", expiring on 07/08/19.

F. STATEMENTS

1. Statement letter of conformance to **FBC 5th Edition (2014)** and **FBC 6th Edition (2017)** and letter of no financial interest, prepared by Al Farooq Corporation, dated 07/10/17, signed and sealed by Javad Ahmad, P.E.

G. OTHER

1. This NOA revises # 15-0310.05, expiring on 09/01/2020.



Jorge M. Plasencia, P.E.
Product Control Unit Supervisor
NOA No 17-1011.02
Expiration Date: September 01, 2020
Approval Date: December 21, 2017

AL-FAROQ CORPORATION
ENGINEERS & PRODUCT DEVELOPMENT
9360 SUNSET DRIVE, SUITE 220
MIAMI, FLORIDA 33173
(C.A.N. 3638)
FAX (305) 262-8978
TEL (305) 264-8100
COMP-AML W10-08V

ALUMINUM OUT-SWING ENTRANCE DOOR (L.M.I.)
Lobredor & Fundora Corp.
2355 West 4th Ave.
Hialeah, FL 33010
TEL (305) 888-4151
FAX (305) 888-1042

REV	DESCRIPTION	DATE
1	ISSUED	02-24-10
2	REVISION	02-24-10
3	REVISION	02-24-10
4	REVISION	02-24-10
5	REVISION	02-24-10
6	REVISION	02-24-10
7	REVISION	02-24-10
8	REVISION	02-24-10
9	REVISION	02-24-10
10	REVISION	02-24-10

drawing no. **W10-08**
sheet 1 of 12
date 02-24-10
scale 1/2"=1'-0"

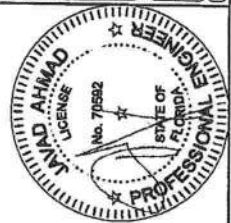
THESE DOORS ARE RATED FOR LARGE & SMALL MISSILE IMPACT.
SHUTTERS ARE NOT REQUIRED.

ALUMINUM OUTSWING ENTRANCE DOOR

SINGLE (X) AND DOUBLE (XX) LEAF DOORS W/O TRANSOM SEE SHEET 2.
SINGLE (O/X) AND DOUBLE (O/XX) LEAF DOORS WITH TRANSOMS SEE SHEET 3.
SINGLE (O) SIDELITE SEE SHEET 4.
SINGLE AND DOUBLE LEAF DOORS WITH SIDELITES SEE SHEET 5.
LOWER VALUES FROM DOOR CAPACITY CHART, SIDELITE CAPACITY CHART OR
SIDELITE MULLION CAPACITY CHART WILL APPLY TO ENTIRE SYSTEM.

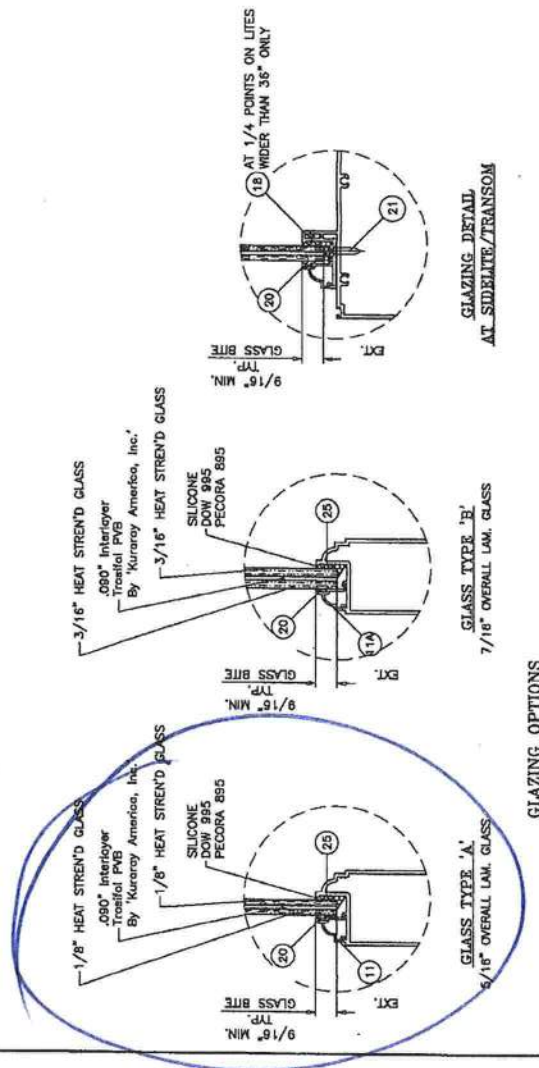
DOORS APPROVED FOR INSTALLATIONS WHERE WATER INFILTRATION
RESISTANCE IS REQUIRED.

THIS PRODUCT HAS BEEN DESIGNED AND TESTED TO COMPLY WITH THE
REQUIREMENTS OF THE 2014 (5TH EDITION)/2017 (6TH EDITION) FLORIDA
BUILDING CODE INCLUDING HIGH VELOCITY HURRICANE ZONE (HVHZ).
1BY OR 2BY WOOD BUCKS & BUCK FASTENERS BY OTHERS, MUST BE
DESIGNED AND INSTALLED ADEQUATELY TO TRANSFER APPLIED PRODUCT LOADS
TO THE BUILDING STRUCTURE.
ANCHORS SHALL BE CORROSION RESISTANT, SPACED AS SHOWN ON DETAILS
AND INSTALLED PER MANUFACTURER'S INSTRUCTIONS. SPECIFIED EMBEDMENT TO BASE
MATERIAL SHALL BE BEYOND WALL DRESSING OR STUCCO.
A LOAD DURATION INCREASE IS USED IN DESIGN OF ANCHORS INTO WOOD ONLY.
ALL SHIMS TO BE HIGH IMPACT, NON-METALLIC AND NON-COMPRESSIBLE.
MATERIALS INCLUDING BUT NOT LIMITED TO STEEL/METAL SCREWS, THAT
COME INTO CONTACT WITH OTHER DISSIMILAR MATERIALS SHALL MEET THE
REQUIREMENTS OF THE 2014/2017 FLORIDA BLDG. CODE & ADOPTED STANDARDS.
THIS PRODUCT APPROVAL IS GENERIC AND DOES NOT PROVIDE INFORMATION
FOR A SITE SPECIFIC PROJECT, I.E. LIFE SAFETY OF THIS PRODUCT, ADEQUACY
OF STRUCTURE RECEIVING THIS PRODUCT AND SEALING AROUND OPENING FOR
WATER INFILTRATION RESISTANCE ETC.
CONDITIONS NOT SHOWN IN THIS DRAWING ARE TO BE ANALYZED SEPARATELY,
AND TO BE REVIEWED BY BUILDING OFFICIAL.



02-19-2017

PRODUCT REVISED
in compliance with the Florida
Building Code 17-1011.02
NOA-No.
Expiration Date: 09/01/2020
By: *[Signature]*
Miami-Dade Product Control



NOTE:
GLASS CAPACITIES ON THIS SHEET ARE
BASED ON ASTM E1300-09 (3 SEC. GUSTS)
AND FLORIDA BUILDING COMMISSION
DECLARATORY STATEMENT DCA05-DEC-219

L-213 2017

PRODUCT REVISED
in compliance with the Florida
Building Code
NOA-No. 17-1011.02
Expiration Date 09/01/2020
By: *[Signature]*
Miami-Dade Product Control

DOUBLE DOORS WITHOUT TRANSOM (XX)

DOOR DIMS.			GLASS TYPE 'A'		GLASS TYPE 'B'	
FRAME WIDTH	LEAF WIDTH	FRAME HEIGHT	EXT. (+)	INT. (-)	EXT. (+)	INT. (-)
72"	34-3/4"	96"	70.0	80.0	70.0	80.0
76"	36-3/4"	96"	66.3	75.8	66.3	75.8

GLASS D.L.O. DIMS.
D.L.O. HEIGHT = FRAME HEIGHT - 12"
D.L.O. WIDTH (X DOORS) = FRAME WIDTH - 12.875"
D.L.O. WIDTH (XX DOORS) = (FRAME WIDTH - 22.50")/2

GLASS D.L.O. DIMS. (TRANSOM)
D.L.O. HEIGHT = TRANSOM HEIGHT - 4.625"
D.L.O. WIDTH = FRAME WIDTH - 4.6875"

PRODUCT REVISED
as complying with the Florida
Building Code
NDA-No. 17-1011.02
Expiration Date 09/01/2020
By Miami-Dade Product Control

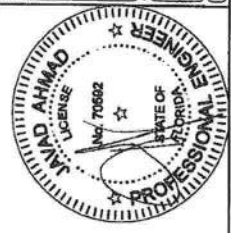
NOTE: GLASS CAPACITIES ON THIS SHEET ARE
BASED ON ASTM E1300-09 (3 SEC. GUSTS)
AND FLORIDA BUILDING COMMISSION
DECLARATORY STATEMENT DCA05-DEC-219

DOORS LOAD CAPACITY - PSP
DOUBLE DOORS WITH TRANSOM (O/XX)

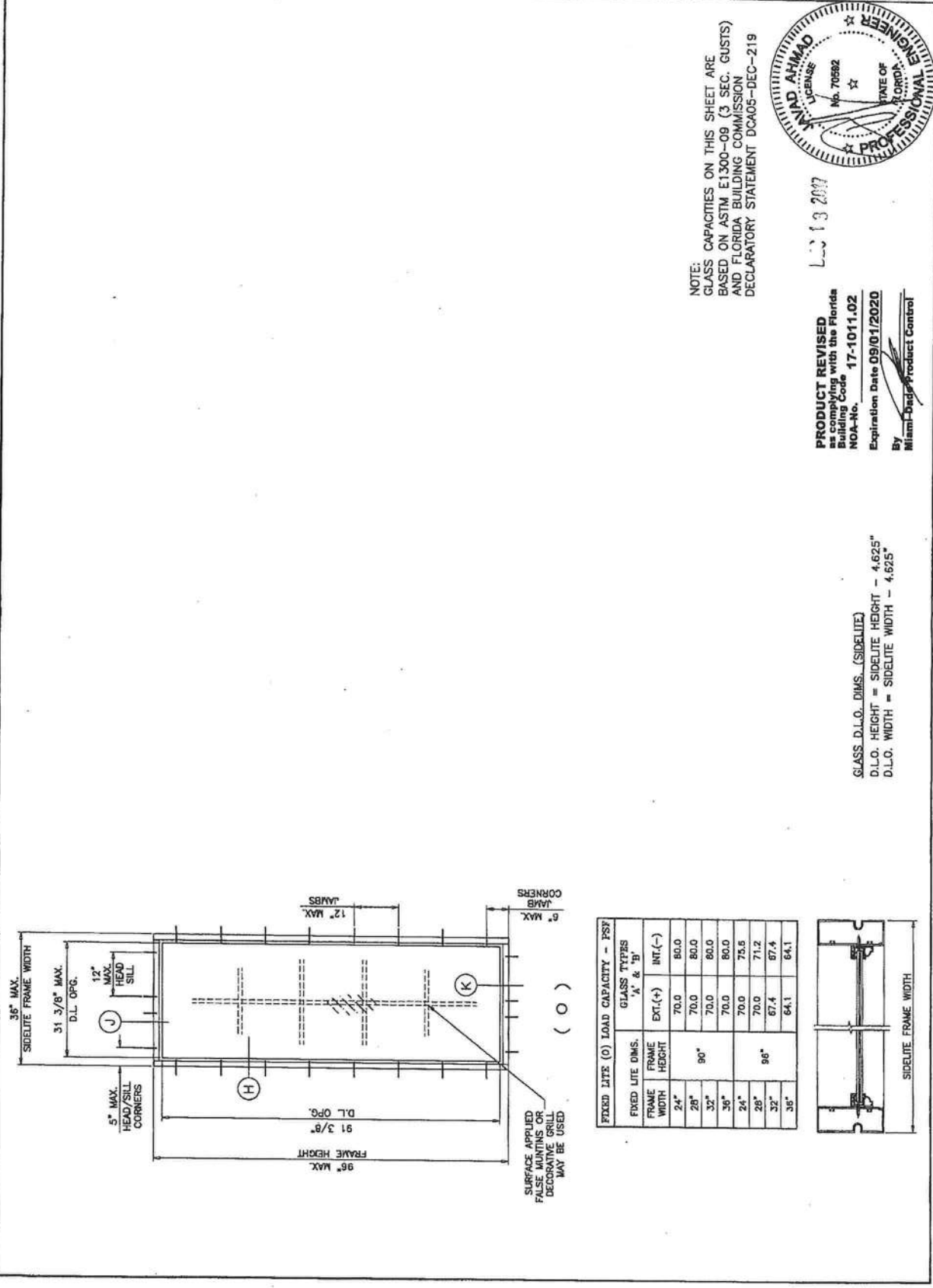
DOORS LOAD CAPACITY - PSP
SINGLE DOORS WITH TRANSOM (O/X)

DOOR DIMS.		GLASS TYPE 'A'		GLASS TYPE 'B'	
FRAME WIDTH	LEAF WIDTH	EXT.(+)	INT.(-)	EXT.(+)	INT.(-)
72"	34-3/4"	70.0	71.0	70.0	71.0
76"	38-3/4"	66.3	70.0	66.3	70.0

DOOR DIMS.		GLASS TYPE 'A'		GLASS TYPE 'B'	
FRAME WIDTH	LEAF WIDTH	EXT.(+)	INT.(-)	EXT.(+)	INT.(-)
37-5/8"	34-3/4"	70.0	80.0	70.0	80.0
39-5/8"	38-3/4"	66.3	75.8	66.3	75.8



LC 13 2017



ALUMINUM STIFFENER

(12)

DOOR OPNG. WIDTH

36-5/8" MAX. SINGLE (X) DOOR
73" MAX. DOUBLE (OO) DOOR

LEAF WIDTH

NOMINAL SIDELITE WIDTH

1 1/2"

(OXOX) TESTED

OX, XO, OXX OR XXO CONFIGURATIONS ALSO QUALIFY

MAX. UNIT TESTED FRAME AREA NOT TO EXCEED 96 SQ. FT. PER FBC 2014

NOTE: GLASS CAPACITIES ON THIS SHEET ARE BASED ON ASTM E1300-09 (3 SEC. GUSTS) AND FLORIDA BUILDING COMMISSION DECLARATORY STATEMENT DCA05-DEC-219

PRODUCT REVISED
as complying with the Florida
Building Code
NOA-No. 17-1011.02

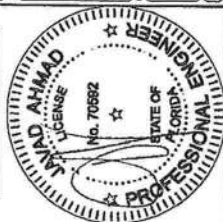
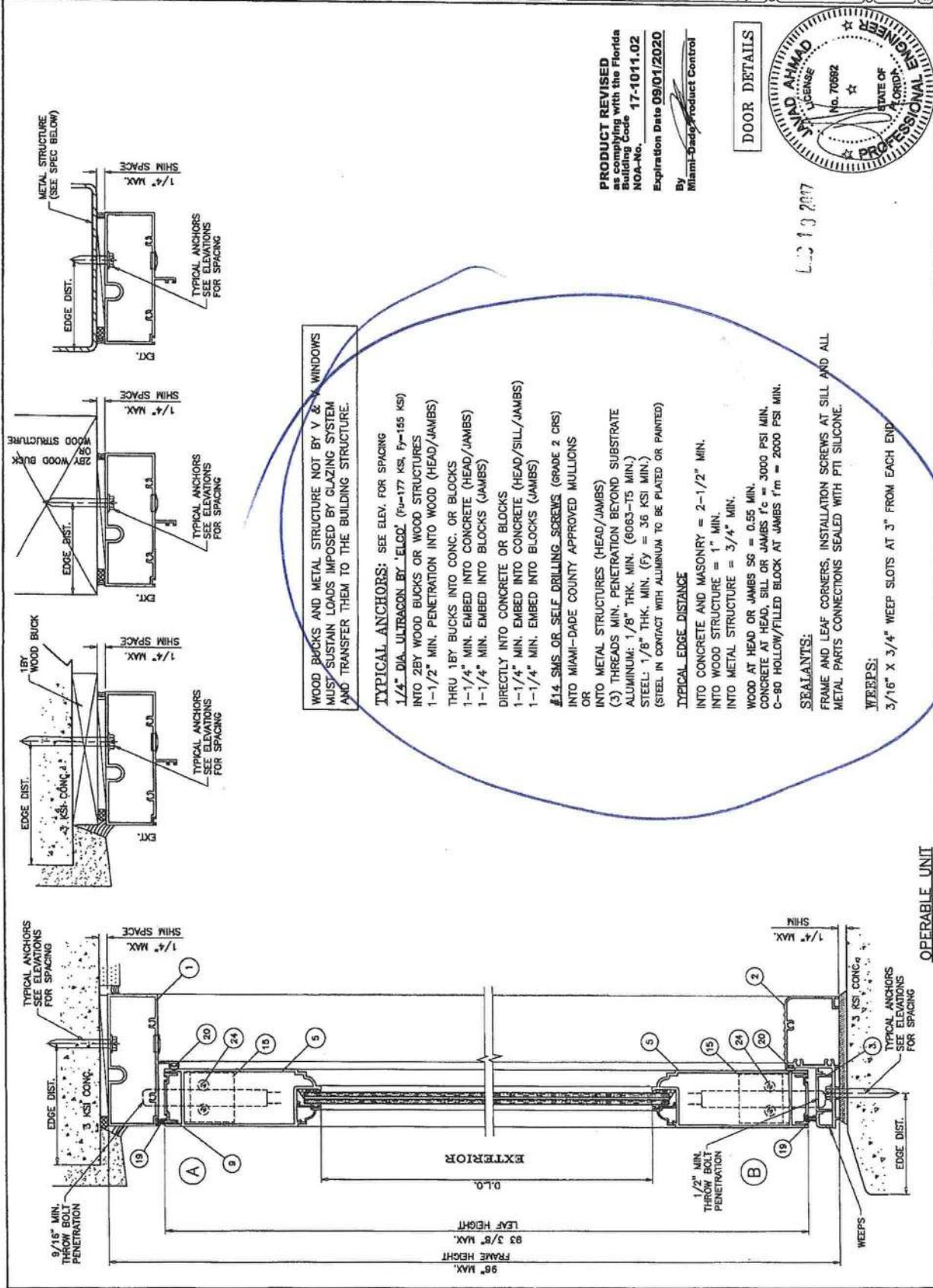
By [Signature]
Miami-Dade Product Control

date: 02-24-10	scale: 1/2"=1'-0"	dr. by: TARD	chk. by:
revisions:			
no	date	by	description
			NO CHANGE THIS SHEET
	02.12.15	D	UPDATED TO 2014 FBC
	07.31.16	F	REV. PER RER COMMENTS
	09.03.16	F	REV. PER RER COMMENTS
	02.23.17	G	UPDATED TO 2017 FBC

LABRADOR & FUNDARO CORP.
2355 WEST 4TH AVE.
HIOLEIGH, FL 33010
TEL. (305) 888-4181
FAX (305) 888-1042

AL-FAROOQ CORPORATION
ENGINEERS & PRODUCT DEVELOPMENT
9300 SUNSET DRIVE, SUITE 220
MIAMI, FLORIDA 33173
(C.A.N. 3538)
TEL. (305) 264-8100
FAX. (305) 262-6978
CORP. AN \



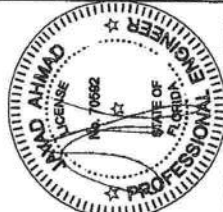


DOOR DETAILS

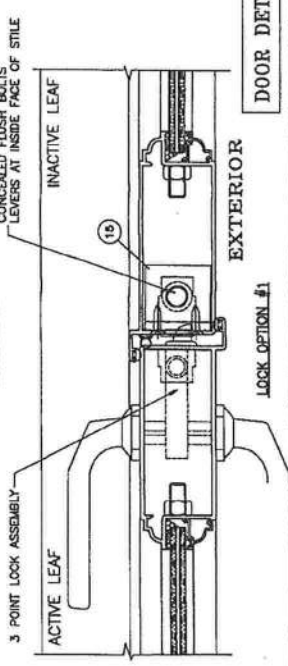
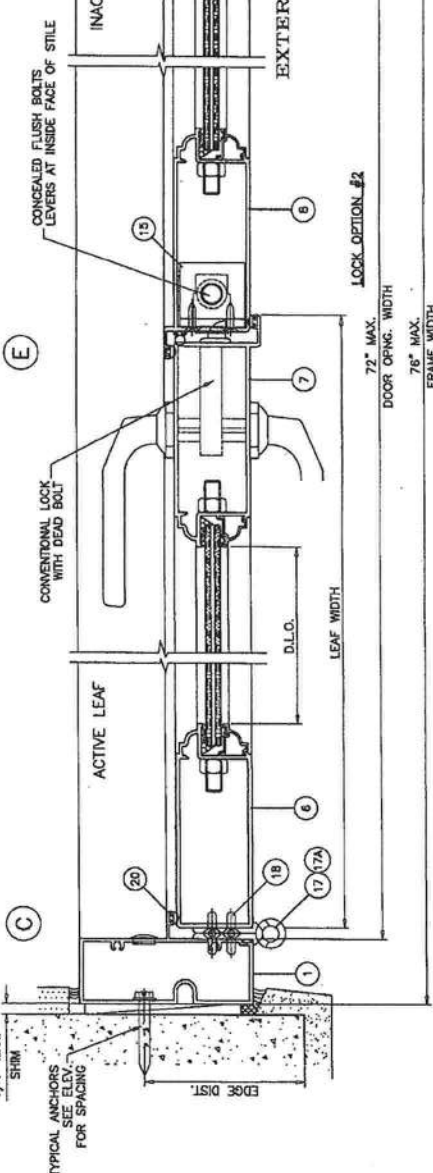
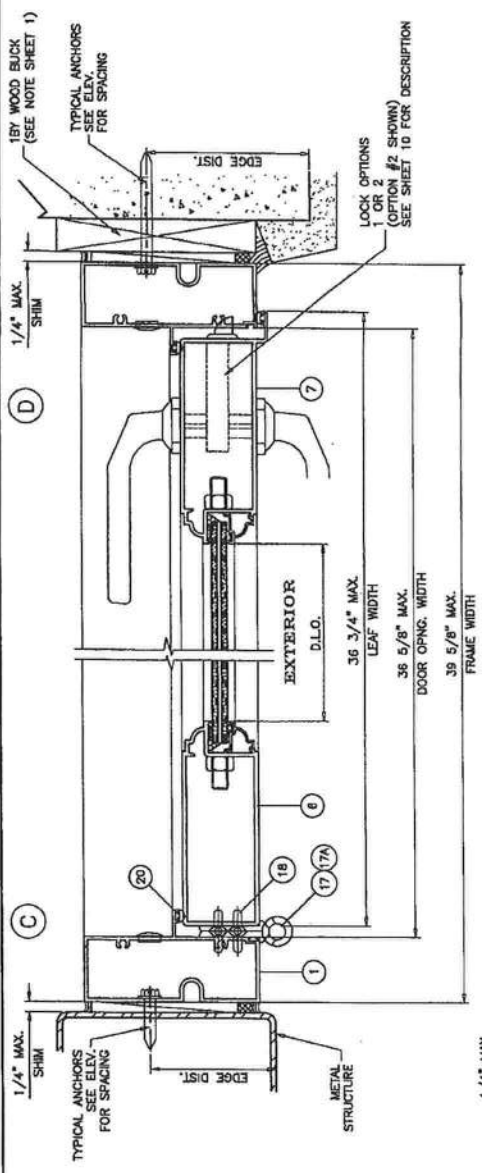
PRODUCT REVISED
as complying with the Florida
Building Code **17-1011.02**
NOA-No.
Expiration Date 09/01/2020
By
Miami-Dade Product Control

OPERABLE UNIT

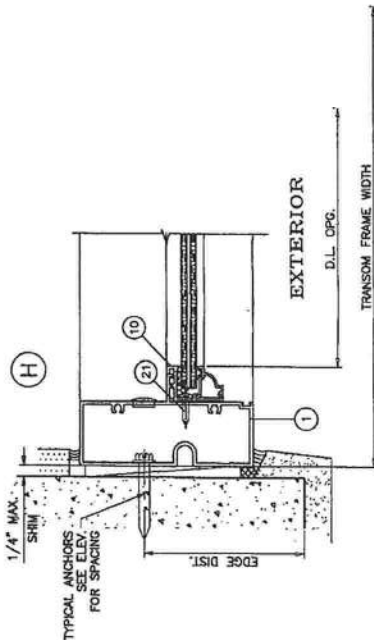
PRODUCT REVISED
as complying with the Florida
Building Code 17-1011.02
NOA-No.
Expiration Date 09/01/2020
By Miami-Dade Product Control



EXP 09 01 2020



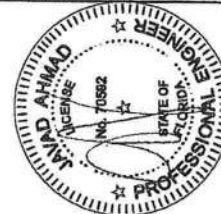
DOOR DETAILS



PRODUCT REVISED
as complying with the Florida
Building Code
NOA-No. **17-1011.02**
Expiration Date **09/01/2020**

Expiration Date 09/01/2020

by Mianfil-Dade Product Control



13263

DOOR WITH TRANSOM DETAILS

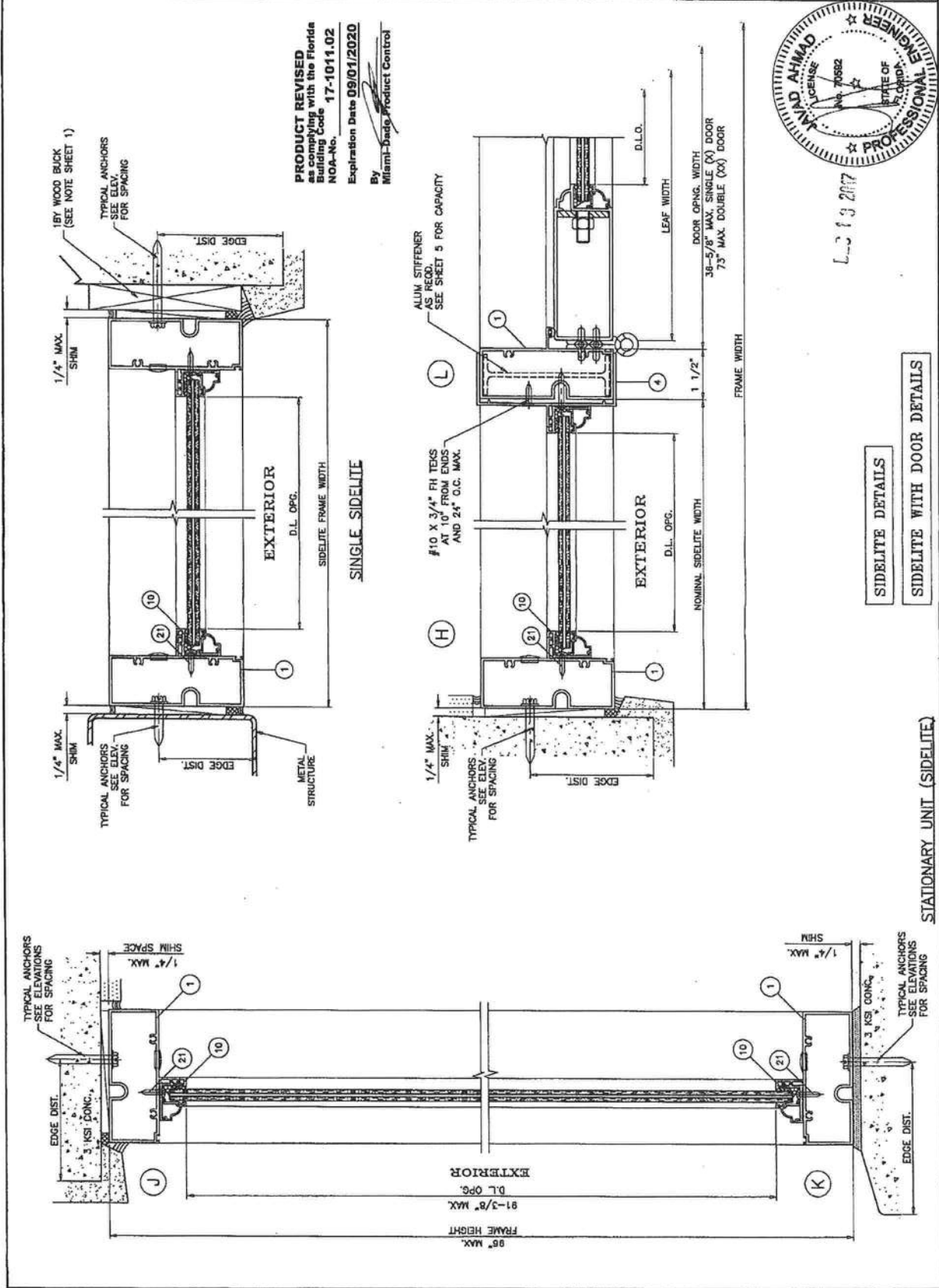
date: 02-24-10	socket 3/8" = 1"	dr. by: TARIQ	chk. by:
----------------	------------------	---------------	----------

revisions:	no	date	by	description
	C	11.22.11		NO CHANGE THIS SHEET
	C	02.12.15		UPDATED TO 2014 FBC
	E	07.31.15		REV. PER PER COMMENTS
	F	09.03.15		REV. PER PER COMMENTS
	C	03.28.17		UPDATED TO 2017 FBC

ALUMINUM OUT-SWING ENTRANCE DOOR (L.M.I.)
Labrador & Fundera Corp.
2355 West 4th Ave.
Hialeah, FL 33010
TEL (305) 888-4151 FAX (305) 888-1042

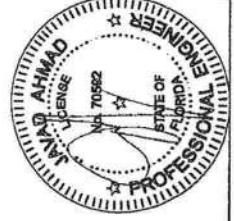
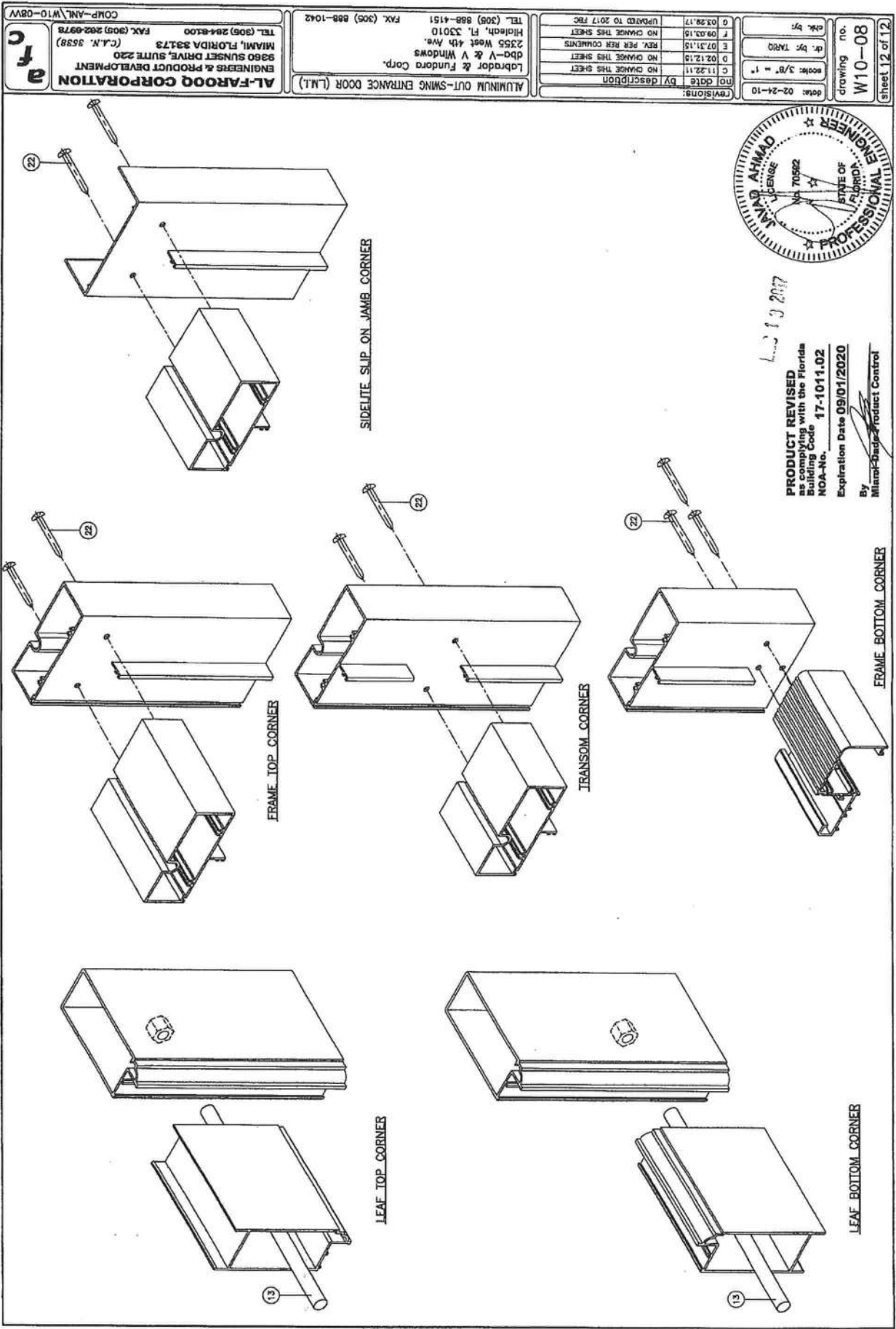
AL-FAROOQ CORPORATION
ENGINEERS & PRODUCT DEVELOPMENT
9660 SUNSET DRIVE, SUITE 220
MIAMI, FLORIDA 33173
TEL. (305) 264-8100 FAX. (305) 262-6978
COMP-ANL\

0-880-000000



PRODUCT REVISED
as complying with the Florida
Building Code 17-1011.02
NOA-No. _____
Expiration Date 09/01/2020
By  Miami-Dade Product Control





PRODUCT REVISED
 as complying with the Florida
 Building Code 17-1011.02
 NOA-No.
 Expiration Date 09/01/2020
 By *[Signature]*
 Miral-Data-Product Control

L2 13 2017
 02-24-10

date	02-24-10	
drawing no.	W10-08	
sheet	12 of 12	
scale	3/8" = 1"	
by	TAKE	
date	02-24-10	
description	ALUMINUM OUT-SWING ENTRANCE DOOR (L.M.I.)	
revisions:		
no	date	description
1	02/28/17	NO CHANGE THIS SHEET
2	09/03/19	REV. PER PER COMMENTS
3	07/31/19	NO CHANGE THIS SHEET
4	02/12/19	NO CHANGE THIS SHEET
5	11/22/17	NO CHANGE THIS SHEET
6	02/28/17	NO CHANGE THIS SHEET
7	09/03/19	NO CHANGE THIS SHEET
8	07/31/19	NO CHANGE THIS SHEET
9	02/12/19	NO CHANGE THIS SHEET
10	11/22/17	NO CHANGE THIS SHEET
11	02/28/17	NO CHANGE THIS SHEET
12	09/03/19	NO CHANGE THIS SHEET
13	07/31/19	NO CHANGE THIS SHEET
14	02/12/19	NO CHANGE THIS SHEET
15	11/22/17	NO CHANGE THIS SHEET
16	02/28/17	NO CHANGE THIS SHEET
17	09/03/19	NO CHANGE THIS SHEET
18	07/31/19	NO CHANGE THIS SHEET
19	02/12/19	NO CHANGE THIS SHEET
20	11/22/17	NO CHANGE THIS SHEET
21	02/28/17	NO CHANGE THIS SHEET
22	09/03/19	NO CHANGE THIS SHEET
23	07/31/19	NO CHANGE THIS SHEET
24	02/12/19	NO CHANGE THIS SHEET
25	11/22/17	NO CHANGE THIS SHEET
26	02/28/17	NO CHANGE THIS SHEET
27	09/03/19	NO CHANGE THIS SHEET
28	07/31/19	NO CHANGE THIS SHEET
29	02/12/19	NO CHANGE THIS SHEET
30	11/22/17	NO CHANGE THIS SHEET
31	02/28/17	NO CHANGE THIS SHEET
32	09/03/19	NO CHANGE THIS SHEET
33	07/31/19	NO CHANGE THIS SHEET
34	02/12/19	NO CHANGE THIS SHEET
35	11/22/17	NO CHANGE THIS SHEET
36	02/28/17	NO CHANGE THIS SHEET
37	09/03/19	NO CHANGE THIS SHEET
38	07/31/19	NO CHANGE THIS SHEET
39	02/12/19	NO CHANGE THIS SHEET
40	11/22/17	NO CHANGE THIS SHEET
41	02/28/17	NO CHANGE THIS SHEET
42	09/03/19	NO CHANGE THIS SHEET
43	07/31/19	NO CHANGE THIS SHEET
44	02/12/19	NO CHANGE THIS SHEET
45	11/22/17	NO CHANGE THIS SHEET
46	02/28/17	NO CHANGE THIS SHEET
47	09/03/19	NO CHANGE THIS SHEET
48	07/31/19	NO CHANGE THIS SHEET
49	02/12/19	NO CHANGE THIS SHEET
50	11/22/17	NO CHANGE THIS SHEET
51	02/28/17	NO CHANGE THIS SHEET
52	09/03/19	NO CHANGE THIS SHEET
53	07/31/19	NO CHANGE THIS SHEET
54	02/12/19	NO CHANGE THIS SHEET
55	11/22/17	NO CHANGE THIS SHEET
56	02/28/17	NO CHANGE THIS SHEET
57	09/03/19	NO CHANGE THIS SHEET
58	07/31/19	NO CHANGE THIS SHEET
59	02/12/19	NO CHANGE THIS SHEET
60	11/22/17	NO CHANGE THIS SHEET
61	02/28/17	NO CHANGE THIS SHEET
62	09/03/19	NO CHANGE THIS SHEET
63	07/31/19	NO CHANGE THIS SHEET
64	02/12/19	NO CHANGE THIS SHEET
65	11/22/17	NO CHANGE THIS SHEET
66	02/28/17	NO CHANGE THIS SHEET
67	09/03/19	NO CHANGE THIS SHEET
68	07/31/19	NO CHANGE THIS SHEET
69	02/12/19	NO CHANGE THIS SHEET
70	11/22/17	NO CHANGE THIS SHEET
71	02/28/17	NO CHANGE THIS SHEET
72	09/03/19	NO CHANGE THIS SHEET
73	07/31/19	NO CHANGE THIS SHEET
74	02/12/19	NO CHANGE THIS SHEET
75	11/22/17	NO CHANGE THIS SHEET
76	02/28/17	NO CHANGE THIS SHEET
77	09/03/19	NO CHANGE THIS SHEET
78	07/31/19	NO CHANGE THIS SHEET
79	02/12/19	NO CHANGE THIS SHEET
80	11/22/17	NO CHANGE THIS SHEET
81	02/28/17	NO CHANGE THIS SHEET
82	09/03/19	NO CHANGE THIS SHEET
83	07/31/19	NO CHANGE THIS SHEET
84	02/12/19	NO CHANGE THIS SHEET
85	11/22/17	NO CHANGE THIS SHEET
86	02/28/17	NO CHANGE THIS SHEET
87	09/03/19	NO CHANGE THIS SHEET
88	07/31/19	NO CHANGE THIS SHEET
89	02/12/19	NO CHANGE THIS SHEET
90	11/22/17	NO CHANGE THIS SHEET
91	02/28/17	NO CHANGE THIS SHEET
92	09/03/19	NO CHANGE THIS SHEET
93	07/31/19	NO CHANGE THIS SHEET
94	02/12/19	NO CHANGE THIS SHEET
95	11/22/17	NO CHANGE THIS SHEET
96	02/28/17	NO CHANGE THIS SHEET
97	09/03/19	NO CHANGE THIS SHEET
98	07/31/19	NO CHANGE THIS SHEET
99	02/12/19	NO CHANGE THIS SHEET
100	11/22/17	NO CHANGE THIS SHEET

Labrador & Fundera Corp.
 2355 West 4th Ave.
 Hialeah, FL 33010
 TEL (305) 888-4151
 FAX (305) 888-1042

ALUMINUM OUT-SWING ENTRANCE DOOR (L.M.I.)

ENGINEERS & PRODUCT DEVELOPMENT
 9860 SUNSET DRIVE, SUITE 220
 MIAMI, FLORIDA 33173
 TEL (305) 284-8100
 FAX (305) 282-8978
 C.A.N. 3538
 COMP-AM, W10-08V

* Kitchen window
* Bedroom window



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

NOTICE OF ACCEPTANCE (NOA)

MIAMI-DADE COUNTY, FLORIDA
PRODUCT CONTROL SECTION

11805 SW 26 Street, Room 208
T (786) 315-2590 F (786) 315-2599

www.miamidade.gov/economy

Labrador & Fundora Corp.
dba V & V Windows
2355 W 4th Ave
Hialeah, FL 33010-1454

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 "300" Aluminum Fixed Window - L.M.I.

APPROVAL DOCUMENT: Drawing No. W13-11, titled "Series 300 Aluminum Fixed Window (L.M.I.)", sheets 1 through 3 of 3, dated 04/11/13, with revision "D" dated 09/26/17, prepared by Al-Farooq Corporation, signed and sealed by Javad Ahmad, 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

LABELING: Each unit shall bear a permanent label with the manufacturer's name or logo, city, state, 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 and renews NOA No. 15-0209.08 and consists of this page 1 and evidence pages E-1 and E-2, as well as approval document mentioned above.

The submitted documentation was reviewed by Manuel Perez, P.E.

MIAMI-DADE COUNTY
APPROVED

12/05/17

NOA No. 17-1011.05
Expiration Date: August 22, 2023
Approval Date: December 14, 2017
Page 1

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

1. EVIDENCE SUBMITTED UNDER PREVIOUS NOA's

A. DRAWINGS

1. Manufacturer's die drawings and sections.
(Submitted under NOA No. 13-0529.24)
2. Drawing No. **W13-11**, titled "**Series 300 Aluminum Fixed Window (L.M.I.)**", sheets 1 through 3 of 3, dated 04/11/13, with revision "**C**" dated 07/28/15, prepared by Al-Farooq Corporation, signed and sealed by Javad Ahmad, 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
along with marked-up drawings and installation diagram of an aluminum fixed window, prepared by Hurricane Engineering & Testing, Inc., Test Report No. **HETI-11-3337**, dated 04/29/13, signed and sealed by Rafael E. Droz-Seda, P.E.
(Submitted under NOA No. 13-0529.24)
2. 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 fixed window, prepared by Hurricane Engineering & Testing, Inc., Test Report No. **HETI-11-3338**, dated 04/29/13, signed and sealed by Rafael E. Droz-Seda, P.E.
(Submitted under NOA No. 13-0529.24)

C. CALCULATIONS

1. Anchor verification calculations and structural analysis, complying with **FBC 5th Edition (2014)**, dated 01/21/15 and 07/31/15, prepared by Al-Farooq Corporation, signed and sealed by Javad Ahmad, P.E.
2. Glazing complies with **ASTM E1300-09**

D. QUALITY ASSURANCE

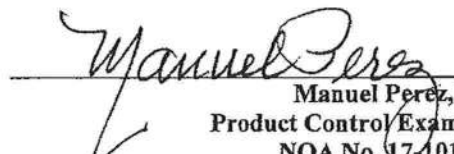
1. Miami-Dade Department of Regulatory and Economic Resources (RER).

E. MATERIAL CERTIFICATIONS

1. Notice of Acceptance No. **14-0916.11** issued to **Kuraray America, Inc.** for their "**SentryGlas® (Clear and White) Glass Interlayers**" dated 06/25/15, expiring on 07/04/18.

F. STATEMENTS

1. Statement letter of conformance to, of complying with **FBC 5th Edition (2014)** and of no financial interest, dated 01/21/15, issued by Al-Farooq Corporation, signed and sealed by Javad Ahmad, P.E.


Manuel Perez, P.E.
Product Control Examiner
NOA No. 17-1011.05
Expiration Date: August 22, 2023
Approval Date: December 14, 2017

Labrador & Fundora Corp. dba V & V Windows

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

F. STATEMENTS (CONTINUED)

2. Laboratory compliance letters for Test Reports No. **HETI-11-3337** and **HETI-11-3338**, issued by Hurricane Engineering & Testing, Inc., both dated 04/29/13, signed and sealed by Rafael E. Droz-Seda, P.E.
(Submitted under NOA No. 13-0529.24)
3. Proposal No. **10-1188** issued by Product Control, dated 11/24/10, signed by Ishaq Chanda, P.E. *(Submitted under s NOA No. 13-0529.24)*

G. OTHERS

1. Notice of Acceptance No. **13-0529.24**, issued to Labrador & Fundora Corp. dba V & V Windows, for their Series "300" Aluminum Fixed Window – L.M.I., approved on 08/22/13 and expiring on 08/22/18.

2. NEW EVIDENCE SUBMITTED

A. DRAWINGS

1. Drawing No. **W13-11**, titled "**Series 300 Aluminum Fixed Window (L.M.I.)**", sheets 1 through 3 of 3, dated 04/11/13, with revision "**D**" dated 09/26/17, prepared by Al-Farooq Corporation, signed and sealed by Javad Ahmad, 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

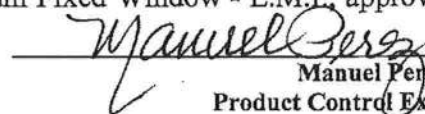
1. Notice of Acceptance No. **14-0916.11** issued to **Kuraray America, Inc.** for their "**SentryGlas® (Clear and White) Glass Interlayers**" dated 06/25/15, expiring on 07/04/18.

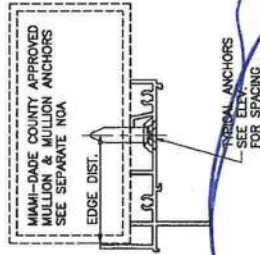
F. STATEMENTS

1. Statement letter of conformance, complying with **FBC 5th Edition (2014)**, with **FBC 6th Edition (2017)**, and of no financial interest, dated September 15, 2017, prepared by Al-Farooq Corporation, signed and sealed by Javad Ahmad, P.E.

G. OTHERS

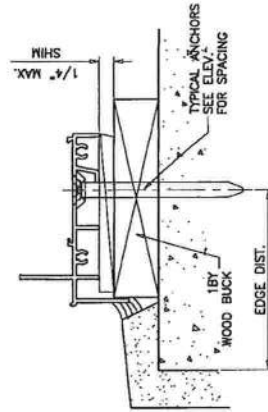
1. Notice of Acceptance No. **15-0209.08**, issued to Labrador & Fundora Corp. dba V & V Windows, for their Series "300" Aluminum Fixed Window - L.M.I., approved on 08/13/15 and expiring on 08/22/18.


Manuel Perez, P.E.
Product Control Examiner
NOA No. 17-1011.05
Expiration Date: August 22, 2023
Approval Date: December 14, 2017



AVAD AHMA

SICAFLEX-15 LM ON THE EXTERIOR PERIMETER ONLY.



date: 04-11-13	scale: 1/2" = 1'	dr. by: K.Y.	chk. by:
----------------	------------------	--------------	----------

PRODUCT REVISED
as complying with the Florida
Building Code
Acceptance No. 17-1011.05
Expiration Date Dec. 31, 2023
By *Manuel Perez*
Miami Design Product Control

AVAD AHMA

U.S. GOVERNMENT PRINTING OFFICE: 1967 O 345-000

PLAYING WITH TIME & KINETICS

REG CODE 17 10/1 26

PRO
STATE OF

License No 17-1011-03
Expiration Date Apr. 24, 2023

Manuel E. Cruz

These Products Contain
Professional Emulsions

AL-FAROOQ CORPORATION
ENGINEERS & PRODUCT DEVELOPMENT
9360 SUNSET DRIVE, SUITE 220
(C.A.N. 3558)
MIAMI, FLORIDA 33173
TEL (305) 264-8100 FAX (305) 262-9878
COMP-ANL-W13-11W

SERIES 300 ALUMINUM FIXED WINDOW (L.M.I.)
Labrador & Funder Corp.
2355 West 4th Ave.
Hialeah, FL 33010
TEL (305) 888-4151 FAX (305) 888-1042

Revisions:
no. date by description
A 08.08.13 REV. PER PER COMMENTS
B 01.22.15 REV. PER PER COMMENTS
C 07.28.15 REV. PER PER COMMENTS
D 09.26.17 REV. PER PER COMMENTS
E 09.26.17 REV. PER PER COMMENTS

date by:
dr. by: K.Y.
scale: 1/2" = 1"
date: 04-11-13

drawing no.
W13-11
sheet 3 of 3

Professional Engineer
STATE OF FLORIDA
JAYAD AHMAD
LICENSE NO. 70592
EXPIRATION DATE 12/31/2023
By: *M. Ahmad*
Miami Dade Product Control

ITEM	PART #	QUANTITY	DESCRIPTION	MATERIAL	MANF./SUPPLIER/REMARKS
1	WW-011	1	FRAME HEAD/SILL/JAMB	6063-T6	-
2	WW-010	1	GLAZING BEAD	6063-T6	-
3	E203	AS REQD.	GLAZING BEAD BULB	NEOPRENE	ULTRAFAB, DUAL DUROMETER, T-SLOT-50, BULB-73
4	#8 X 1 1/4"	AS REQD.	FRAME ASSEMBLY SCREWS	-	PH SMS
5	-	2/ LITE	SETTING BLOCKS AT 1/4 POINTS	EPDM	ULTRAFAB, DUROMETER, 80±5 SHORE A
6	-	AS REQD.	GLASS SPACER (1/4" X 1/8")	SILICONE	FRANK LOWE, DUROMETER 80±5 SHORE A

1/4" MAX. SHIM

1/4" MAX. SHIM

TYPICAL ANCHORS SEE ELEV. FOR SPACING

EDGE DIST.

1BY WOOD BUCKS

EXTERIOR

D.L. OPG.

WINDOW WIDTH

METAL STRUCTURE

2.877

2.374

1.812

.937

.062

.436

2.827

1.531

.050

.875

.183

1 FRAME HEAD/SILL/JAMB

2 GLAZING BEAD

FRAME CORNER

WINDOW WIDTH

WINDOW WIDTH

WINDOW WIDTH

WINDOW WIDTH

WINDOW WIDTH

WINDOW WIDTH

COMP-ANL-W13-11W

SERIES 300 ALUMINUM FIXED WINDOW (L.M.I.)

Revisions:

date by:
dr. by: K.Y.
scale: 1/2" = 1"
date: 04-11-13

drawing no.
W13-11
sheet 3 of 3

Professional Engineer
STATE OF FLORIDA
JAYAD AHMAD
LICENSE NO. 70592
EXPIRATION DATE 12/31/2023
By: *M. Ahmad*
Miami Dade Product Control

BEDROOM EGRESS
LIVING ROOM CASEMENTS



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

NOTICE OF ACCEPTANCE (NOA)

Labrador & Fundora Corporation dba V & V Windows
2355 W 4th Ave
Hialeah, FL 33010-1454

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

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 "400" Outswing Aluminum Casement Window - L.M.I.

APPROVAL DOCUMENT: Drawing No. W14-28, titled "Series-400 Alum P.O. Casement Wdw. (L.M.I.)", sheets 1 through 6 of 6, dated 08/20/14, with Revision A dated 07/14/17, prepared by Al-Farooq Corporation, signed and sealed by Javad Ahmad, P.E., bearing the Miami-Dade County Product Control Section 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

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 NOA# 14-0909.17 and consists of this page 1 and evidence pages E-1, E-2, E-3 and E-4, as well as approval document mentioned above.

The submitted documentation was reviewed by Jorge M. Plasencia, P.E.

MIAMI-DADE COUNTY
APPROVED

P 11/08/17

NOA No. 17-0808.01
Expiration Date: December 24, 2019
Approval Date: November 16, 2017
Page 1

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

1. EVIDENCE SUBMITTED UNDER PREVIOUS APPROVAL # 14-0909.17

A. DRAWINGS

1. Manufacturer's die drawings and sections.
2. Drawing No. **W14-28**, titled "Series-400 Alum P.O. Casement Wdw. (L.M.I.)", sheets 1 through 6 of 6, dated 08/20/14, prepared by Al-Farooq Corporation, signed and sealed by Javad Ahmad, 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
along with marked-up drawings and installation diagram of mulled aluminum fixed and fixed casement windows, prepared by Hurricane Test Laboratory, Inc., Test Report No. **HETI-14-5009**, dated 04/23/14, signed and sealed by Rafael E. Droz-Seda, P.E.
2. 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 mulled aluminum fixed and fixed casement windows, prepared by Hurricane Test Laboratory, Inc., Test Report No. **HETI-14-5010**, dated 04/23/14, signed and sealed by Rafael E. Droz-Seda, P.E.
3. 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 mulled aluminum operable casement windows, prepared by Hurricane Test Laboratory, Inc., Test Report No. **HETI-14-5011**, dated 04/23/14, signed and sealed by Rafael E. Droz-Seda, P.E.
4. 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 mulled aluminum operable casement windows, prepared by Hurricane Test Laboratory, Inc., Test Report No. Report No. **HETI-14-5012**, dated 04/23/14, signed and sealed by Rafael E. Droz-Seda, P.E.



Jorge M. Plasencia, P.E.
Product Control Unit Supervisor
NOA No. 17-0808.01
Expiration Date: December 24, 2019
Approval Date: November 16, 2017

Labrador & Fundora Corporation dba V & V Windows

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

B. TESTS (CONTINUED)

5. 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 mulled aluminum operable casement and fixed casement windows, prepared by Hurricane Test Laboratory, Inc., Test Report No. **HETI-14-5013**, dated 04/23/14, signed and sealed by Rafael E. Droz-Seda, P.E.
6. 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 mulled aluminum operable casement and fixed casement windows, prepared by Hurricane Test Laboratory, Inc., Test Report No. **HETI-14-5014**, dated 04/23/14, signed and sealed by Rafael E. Droz-Seda, P.E.
7. 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 fixed window, prepared by Hurricane Test Laboratory, Inc., Test Report No. **HETI-14-5015**, dated 04/23/14, signed and sealed by Rafael E. Droz-Seda, P.E.
8. 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 operable casement window, prepared by Hurricane Test Laboratory, Inc., Test Report No. **HETI-14-5016**, dated 04/23/14, signed and sealed by Rafael E. Droz-Seda, P.E.
9. 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 mulled aluminum operable casement and fixed windows, prepared by Hurricane Test Laboratory, Inc., Test Report No. **HETI-14-5017**, dated 04/23/14, signed and sealed by Rafael E. Droz-Seda, P.E.
10. 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 mulled aluminum operable casement and fixed windows, prepared by Hurricane Test Laboratory, Inc., Test Report No. **HETI-14-5018**, dated 06/11/14, signed and sealed by Rafael E. Droz-Seda, P.E.



Jorge M. Plasencia, P.E.
Product Control Unit Supervisor
NOA No. 17-0808.01
Expiration Date: December 24, 2019
Approval Date: November 16, 2017

Labrador & Fundora Corporation dba V & V Windows

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

B. TESTS (CONTINUED)

11. 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 operable casement window, prepared by Hurricane Test Laboratory, Inc., Test Report No. **HETI-14-5019**, dated 04/23/14, signed and sealed by Rafael E. Droz- Seda, P.E.
12. 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 mulled aluminum operable casement and fixed windows, prepared by Hurricane Test Laboratory, Inc., Test Report No. **HETI-14-5052**, dated 10/21/14, signed and sealed by Rafael E. Droz- Seda, P.E.

C. CALCULATIONS

1. Anchor verification calculations and structural analysis, complying with **FBC-5th Edition (2014)**, dated 08/09/14, prepared by Al-Farooq Corporation, signed and sealed by Javad Ahmad, P.E.
2. **Glazing complies with ASTM E1300-09**

D. QUALITY ASSURANCE

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

E. MATERIAL CERTIFICATIONS

1. Notice of Acceptance No. **14-0423.17** issued to **Eastman Chemical Company (MA)** for their "**Saflex Clear and Color Glass Interlayers**" dated 06/19/14, expiring on 05/21/16.
2. Notice of Acceptance No. **11-0624.02** issued to **E.I. DuPont DeNemours & Co., Inc.** for their "**DuPont SentryGlas® Interlayer**" dated 08/25/11, expiring on 01/14/17.

F. STATEMENTS

1. Statement letter of conformance, complying with **FBC-5th Edition (2014)**, and of no financial interest, dated August 13, 2014, issued by Al-Farooq Corporation, signed and sealed by Javad Ahmad, P.E.
2. Proposal issued by the Product Control Section, dated August 27, 2013, signed by Jaime D. Gascon, P.E., Product Control Supervisor.

G. OTHERS

1. None.


Jorge M. Plasencia, P.E.
Product Control Unit Supervisor
NOA No. 17-0808.01
Expiration Date: December 24, 2019
Approval Date: November 16, 2017

Labrador & Fundora Corporation dba V & V Windows

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

2. NEW EVIDENCE SUBMITTED

A. DRAWINGS

1. Drawing No. **W14-28**, titled "Series-400 Alum P.O. Casement Wdw. (L.M.I.)", sheets 1 through 6 of 6, dated 08/20/14, with Revision A dated 07/14/17, prepared by Al-Farooq Corporation, signed and sealed by Javad Ahmad, P.E.

B. TESTS

1. None.

C. CALCULATIONS

1. Anchor verification calculations and structural analysis, complying with **FBC-5th Edition (2014)** and **FBC-6th Edition (2017)** dated 07/10/17, prepared by Al-Farooq Corporation, signed and sealed by Javad Ahmad, P.E.
2. **Glazing complies with ASTM E1300-09**

D. QUALITY ASSURANCE

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

E. MATERIAL CERTIFICATIONS

1. Notice of Acceptance No. **17-0712.05** issued to **Eastman Chemical Company (MA)** for their "**Saflex Clear and Color Glass Interlayers**" dated 09/07/17, expiring on 05/21/21.
2. Notice of Acceptance No. **14-0916.11** issued to **Kuraray America, Inc.** for their "**SentryGlas® (Clear and White) Glass Interlayers**" dated 06/25/15, expiring on 07/04/18.

F. STATEMENTS

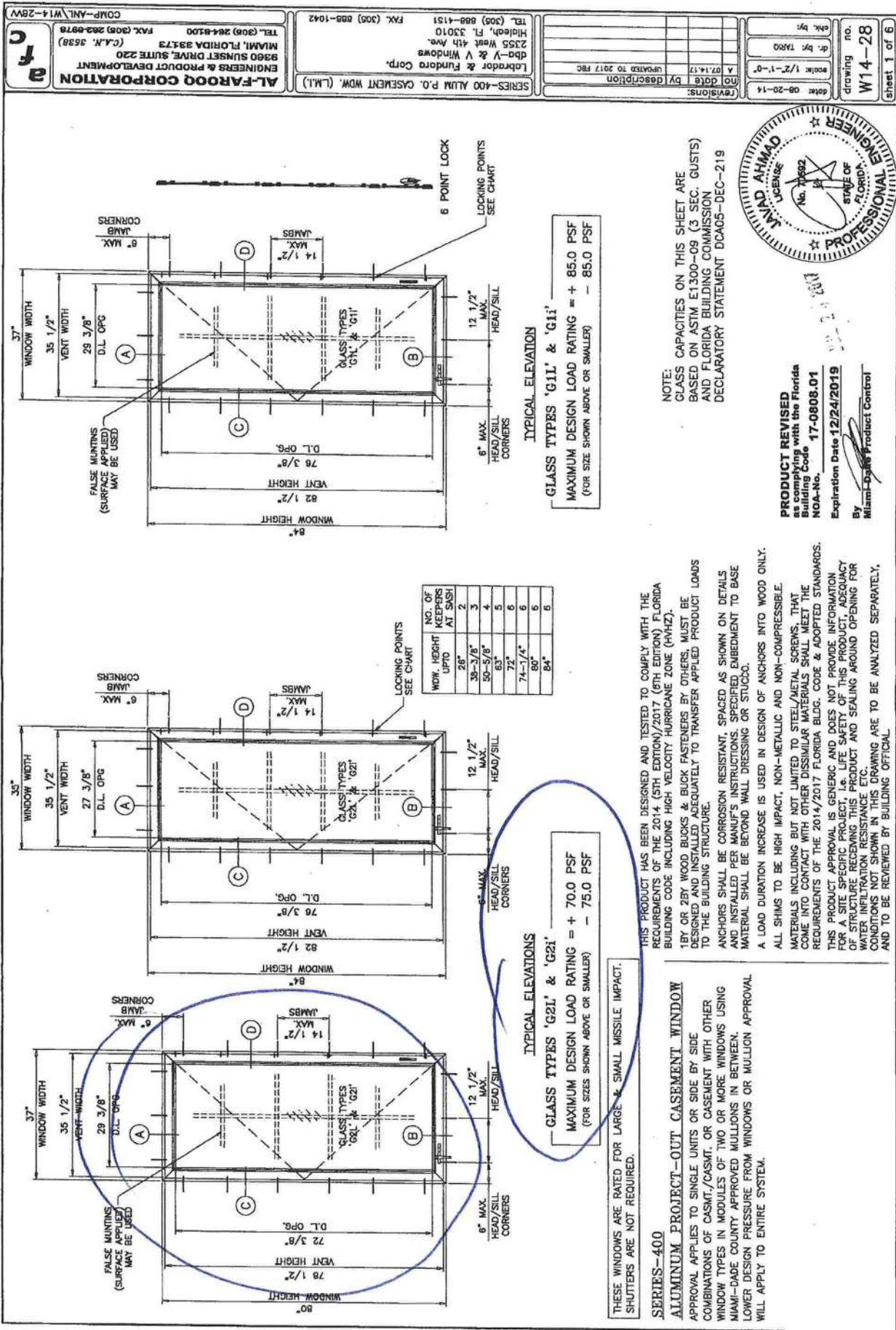
1. Statement letter of conformance to **FBC-5th Edition (2014)** and **FBC-6th Edition (2017)** and of no financial interest, dated 07/10/17, issued by Al-Farooq Corporation, signed and sealed by Javad Ahmad, P.E.

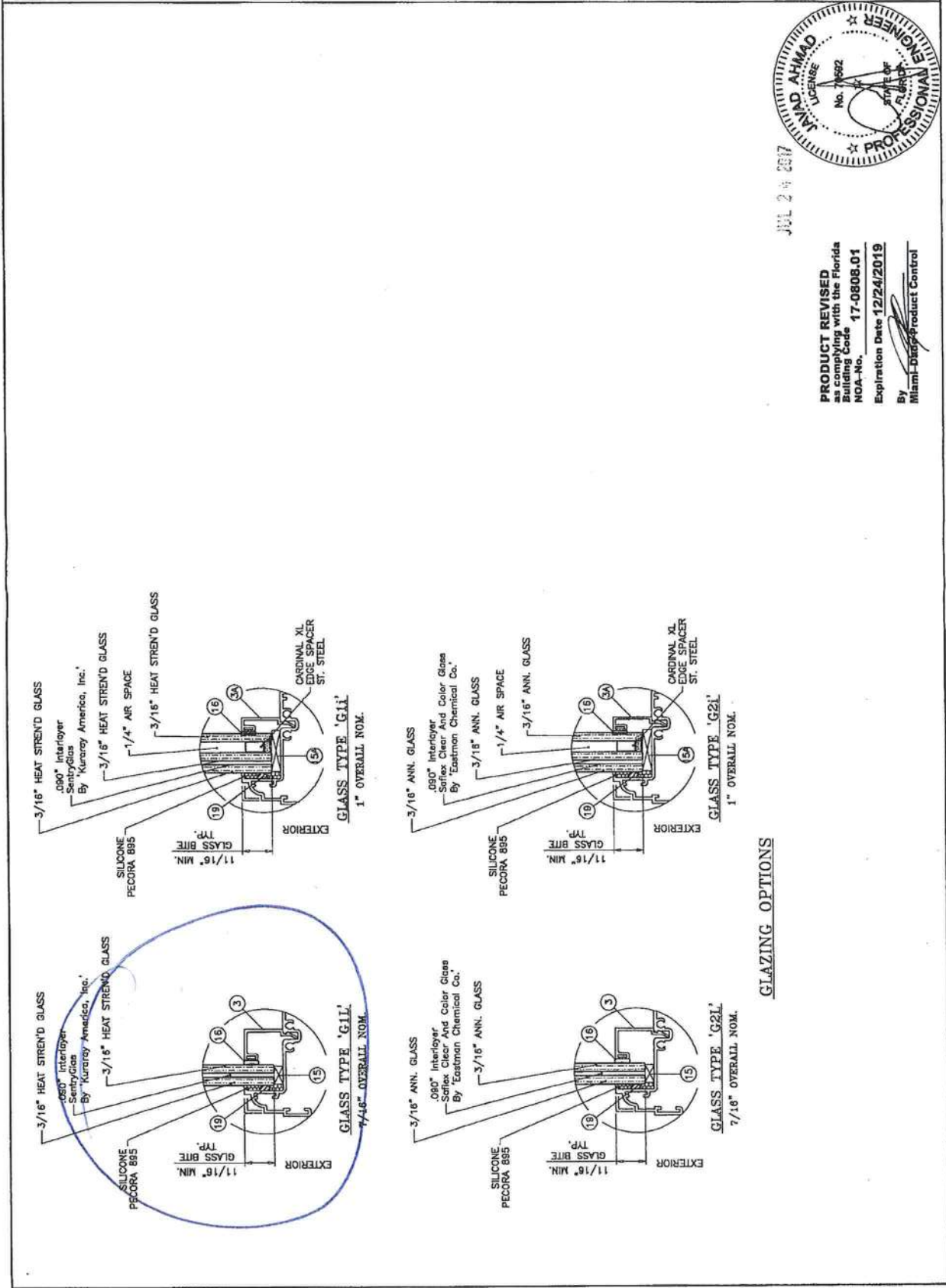
G. OTHERS

1. This NOA revises NOA #14-0909.17, expiring on 12/24/19.



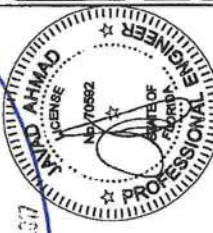
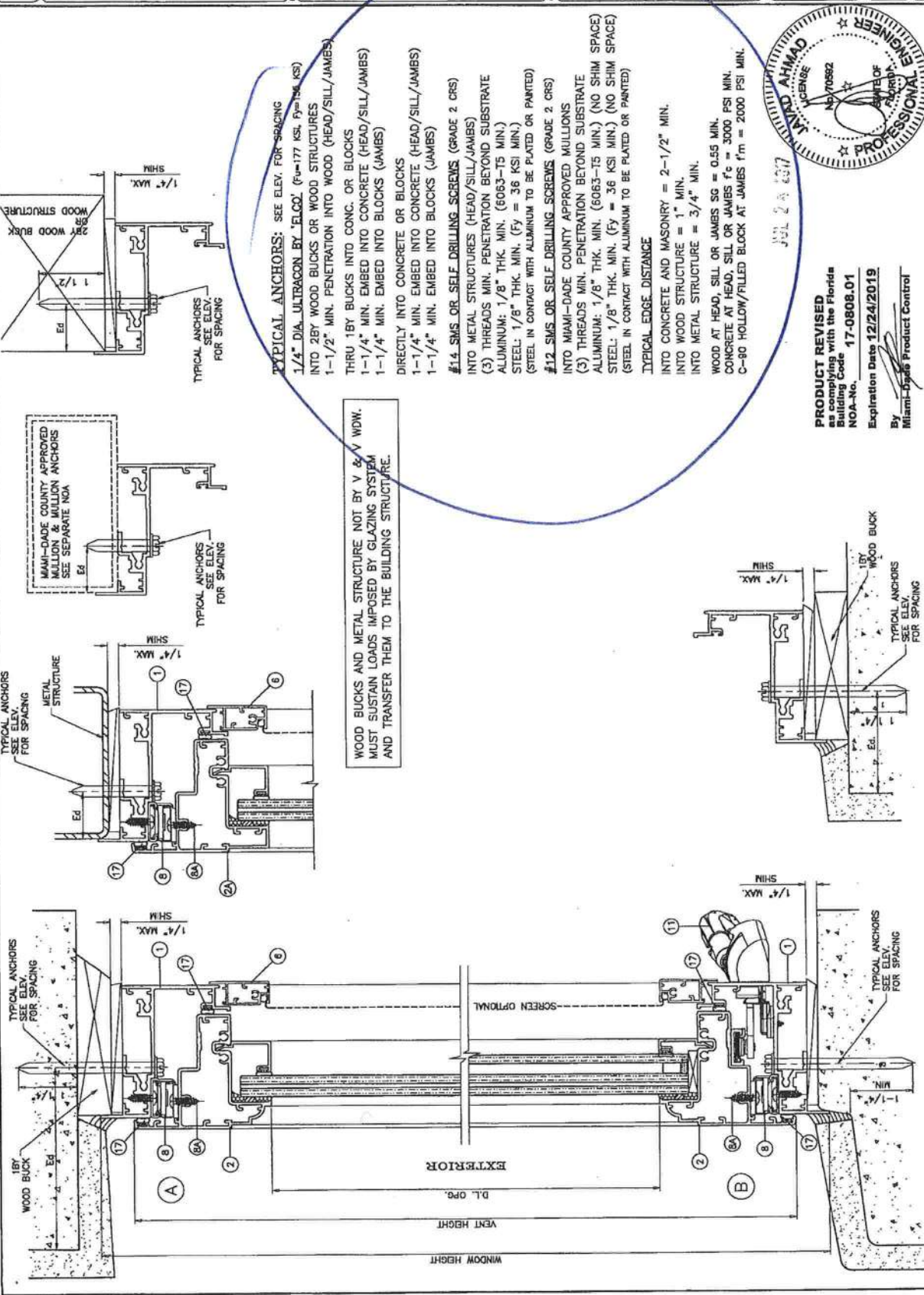
Jorge M. Plasencia, P.E.
Product Control Unit Supervisor
NOA No. 17-0808.01
Expiration Date: December 24, 2019
Approval Date: November 16, 2017





JUL 24 2017

PRODUCT REVISED
as complying with the Florida
Building Code
NOA-No. 17-0808.01
Expiration Date 12/24/2019
By Miami Design Product Control



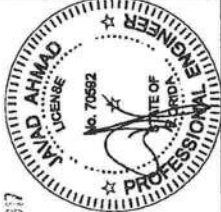
PRODUCT REVISED
as complying with the Florida
Building Code
NOA-No. **17-0808.01**
Expiration Date **12/24/2019**
By *[Signature]*
Miami-Dade Product Control

AL-FAROOG CORPORATION
ENGINEERS & PRODUCT DEVELOPMENT
9360 SUNSET DRIVE, SUITE 220
MIAMI, FLORIDA 33173
(C.A.N. 3538)
TEL (305) 264-4100 FAX (305) 262-6978
COMP-ANY\W14-28V

SERIES-400 ALUM P.O. CASEMENT WDW. (L.M.I.)
Labrador & Fundora Corp.
2355 West 4th Ave.
Hialeah, FL 33010
TEL (305) 888-4151 FAX (305) 888-1042

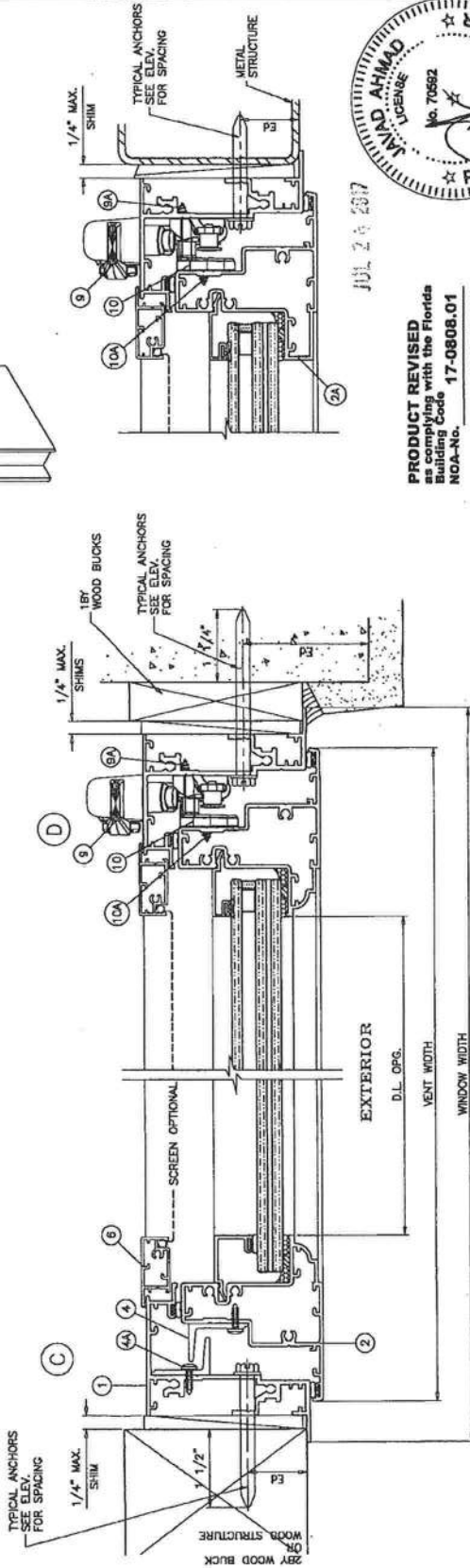
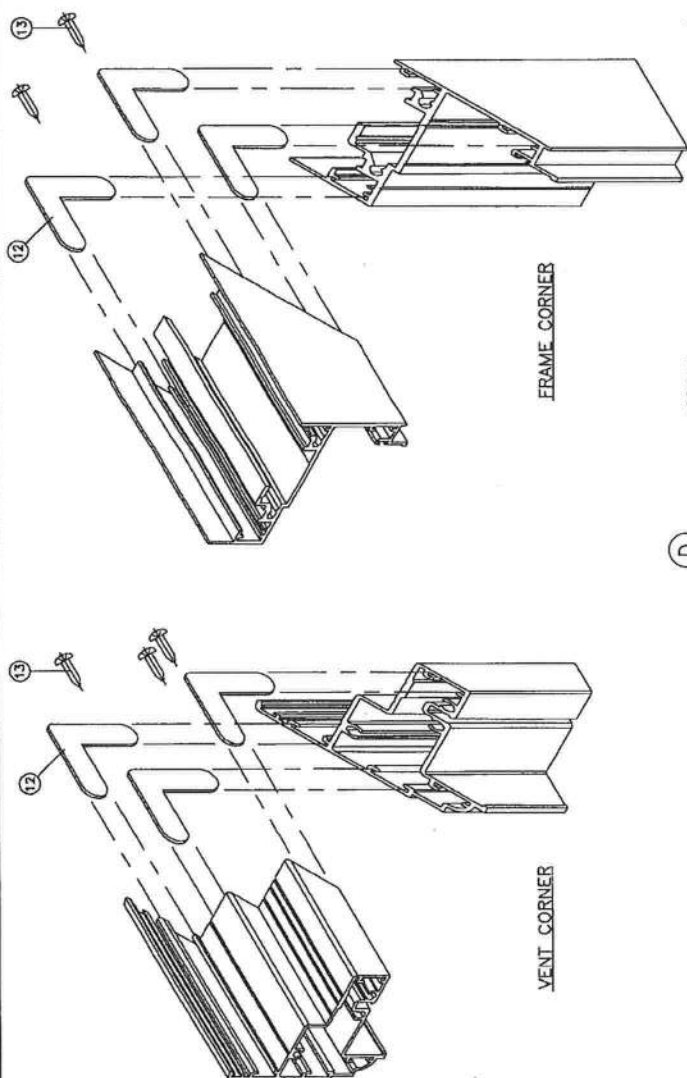
revisions:
no. date by description
A 07/14/17 updated to 2017 FBC

drawing no. W14-28
sheet 4 of 6
date: 08-20-14
scale: 1/2" = 1"
des. by: TADU
chk. by:



JUL 24 2017

PRODUCT REVISED
as complying with the Florida
Building Code 17-0808.01
MCA-No.
Expiration Date 12/24/2019
By Miami-Dade Product Control



ITEM	PART #	QUANTITY	DESCRIPTION	MATERIAL	MANUFACTURER/REMARKS
1	VA01	4/ WDW.	FRAME HEAD/SILL/JAMB	6063-T6	-
2	VA02	4/ WDW.	VENT	6063-T6	-
2A	VA11	4/ WDW.	A.L.T. VENT	6063-T6	-
3	VA05	4/ WDW.	GLAZING BEAD (LAM. GLASS)	6063-T6	-
3A	VA06	4/ WDW.	GLAZING BEAD (INSUL. LAM. GLASS)	6063-T6	-
4	VA07	AS REQD.	VENT AND FRAME SNUBBERS	6063-T6	LENGTH = FRAME HEIGHT - 18"
4A	#8 X 1/2"	AS REQD.	SNUBBER MOUNTING SCREWS	ST. STEEL	PHI SMS, AT 1-1/4" FROM ENDS & 10-1/2" O.C.
6	VA09	AS REQD.	SCREEN	6063-T6	OPTIONAL
8	-	2	4 BAR HINGE AT TOP & BOTTOM	ST. STEEL	SULLIVAN & ASSOC.
8A	#10 X 1/2"	2/ HINGE	HINGE INSTALLATION SCREWS	ST. STEEL	PHI SMS
9	-	1	FACE MOUNT MULTI POINT LOCK	ST. STEEL	INTERLOCK
9A	#8 X 1/2"	2/ LOCK	LOCK INSTALLATION SCREWS	ST. STEEL	THREAD FORMING SCREWS
10	-	1	LOCK KEEPER FACING LOCK	-	INTERLOCK
10A	#8 X 1/2"	2/ KEEPER	KEEPER INSTALLATION SCREWS	ST. STEEL	THREAD FORMING SCREWS
11	-	1	VENT OPERATOR	-	INTERLOCK
11A	#10 X 1/2"	8/ OPERATOR	OPERATOR INSTALLATION SCREWS	ST. STEEL	PHI SMS
11B	#10 X 1/2"	3/ TRACK	OPERATOR TRACK INSTALLATION SCREWS	ST. STEEL	PHI SMS
12	PJ540-SS	AS REQD.	CORNER KEY	ST. STEEL	SULLIVAN & ASSOC.
13	#10 X 1-1/4"	AS REQD.	FRAME AND VENT ASSEMBLY SCREWS	CRS	PHI SMS
15	-	AS REQD.	SETTING BLOCK	EPDM	ULTRAPAB, DUROMETER 8045 SHORE A
15A	-	AS REQD.	SETTING BLOCK	EPDM	ULTRAPAB, DUROMETER 8045 SHORE A
16	-	AS REQD.	GLAZING GASKET	VMTL	CENTRAL PLASTICS, DUROMETER 6545 SHORE A
17	9146	AS REQD.	FRAME & VENT W/STRIPPING	VMTL	CENTRAL PLASTICS, DUROMETER 6545 SHORE A
19	-	AS REQD.	GLASS SPACER	SILICONE	FRANK LOWE, DUROMETER 6545 SHORE A
20	-	AS REQD.	TUBE MULLION	6063-T6	-

SEALANT:

ALL JOINTS AND FRAME CONNECTIONS SEALED WITH
'PECORA 1215' SEAM SEALER.
PARAMETER CAULKING 'DYMONIC FC POLYURETHANE' ON EXTERIOR ONLY.

LOCKS:

MULTIPOINT LOCK SYSTEM #CLO2 BY 'INTERLOCK'
AT FRAME JAMB
LOCK OPERATOR #CLO2-0600 AT 10" FROM SILL
FASTENED TO JAMBS WITH (2) #10 X 1/2" PPH SELF TAPPING SCREWS
LOCK BAR SECURED TO JAMB WITH LOCK GUIDES #CLO2-2035-DOE
SPACED AT 6" O.C. MAX.
EACH GUIDE FASTENED WITH (2) #8 X 1/2" PPH SELF TAPPING SCREWS

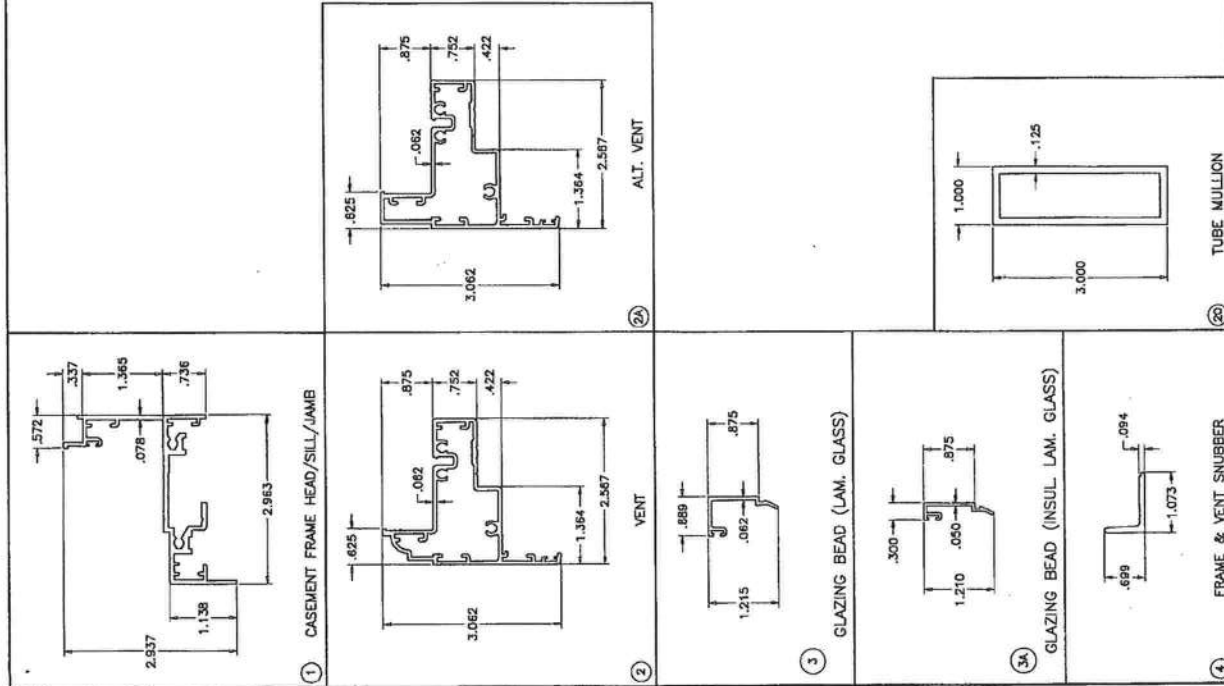
PLASTIC KEEPERS #CLO2-2046-030 AT VENT
EACH FASTENED WITH (4) #8 X 1/2" PPH SELF TAPPING SCREWS
SEE CHART ON SHEET 1 FOR QUANTITIES

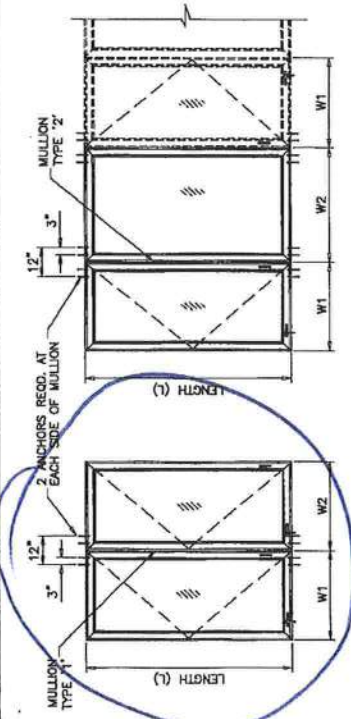
HINGES:

4 BAR ST/ST HINGES #304CJ200-18AE BY 'SULLIVAN & ASSOC.'
LOCATED AT TOP AND BOTTOM CORNERS
FASTENED WITH (2) #10 X 1/2" PPH SELF TAPPING SCREWS

OPERATOR:

SINGLE ARM ROTO OPERATOR #C011-152-02 BY 'SULLIVAN & ASSOC.'
LOCATED AT SILL END
FASTENED WITH (6) #10 X 1/2" PPH SELF TAPPING SCREWS
OPERATOR TRACK #C011-0705 AT BOTTOM RAIL
FASTENED WITH (3) #10 X 1/2" PPH SELF TAPPING SCREWS



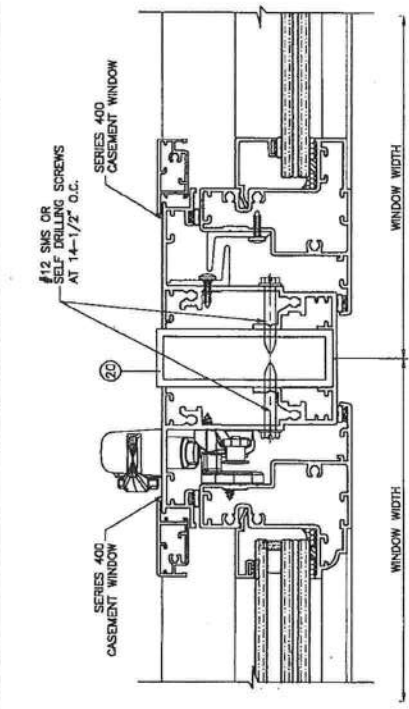


TYPICAL ELEVATIONS
SIDE BY SIDE WINDOWS
SIDE BY SIDE APPLIES TO TWO OR MORE WINDOWS

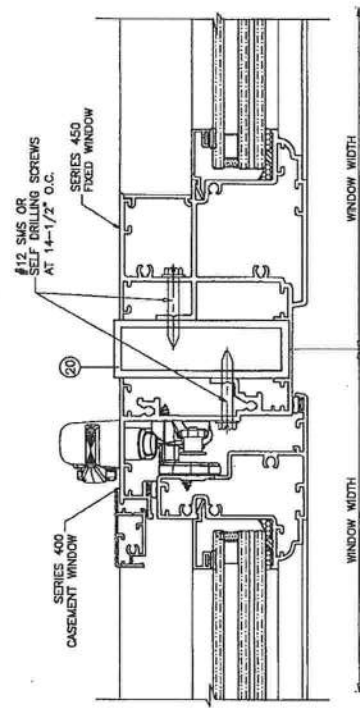
$$\text{WIDTH (W)} = \frac{W1 + W2}{2}$$

MULLION LOAD CAPACITY - PSP			MULLION TYPE		
WINDOW DIMS.			MULLION TYPE		
WIDTH (W)	LENGTH (L)	INT. (-)	EXT. (+)	INT. (-)	
18-1/2"	31-3/4"	85.0	85.0	85.0	85.0
19-1/8"	37"	85.0	85.0	85.0	85.0
19-1/8"	45-1/16"	85.0	85.0	85.0	85.0
20-1/2"	48-1/2"	85.0	85.0	85.0	85.0
37"	36"	85.0	85.0	85.0	85.0
18"	39"	85.0	85.0	85.0	85.0
24"	42"	85.0	85.0	85.0	85.0
30"	45"	85.0	85.0	85.0	85.0
36"	48"	85.0	85.0	85.0	85.0

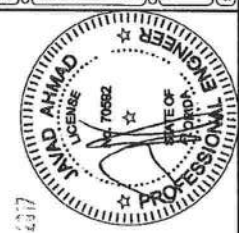
- NOTES:
- USE CHART ON THIS SHEET FOR SIDE BY SIDE CONNECTION CAPACITY OF WINDOW MULLION.
 - FOR CASEMENT WINDOW CAPACITY SEE SHEET 1.
 - FOR FIXED WINDOWS CAPACITY SEE SEPARATE NOA.
 - LOWER VALUES FROM STEPS 1, 2 OR 3 WILL APPLY TO ENTIRE SYSTEM.



MULLION TYPE '1'
TOTAL PROPERTIES
I_x = 2.7522 IN⁴
S_x = 1.5718 IN³



MULLION TYPE '2'
TOTAL PROPERTIES
I_x = 3.4700 IN⁴
S_x = 1.9209 IN³



PRODUCT REVISED
in compliance with the Florida
Building Code 17-0808.01
NOA-No.
Expiration Date 12/24/2019
By
Miami-Pette Product Control



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 "SGD-770" Aluminum Sliding Glass Doors w/ 90° & 135° corners -L.M.I

APPROVAL DOCUMENT: Drawing No. PGT0130 Rev C, titled "Series 770 Alum. SGD - LM Impact", sheets 1 through 22 of 22, dated 10/10/14 and last revised on 11/22/19, prepared by manufacturer, signed and sealed by Anthony Lynn Miller, P.E., bearing the Miami-Dade County Product Control Renewal stamp with the Notice of Acceptance number and expiration date by the Miami-Dade County Product Control Section.

MISSILE IMPACT RATING: Large and Small Missile Impact Resistant

Limitations:

1. Max eight (8) panels configuration unit is allowed, having max nominal panel size not to exceed tested height & width per tables 1 thru 3. See sheets 6, 7 and 8 for Design Pressures (DP), glass types, Sill type for Positive DP limits, applicable Standard or Heavy Duty parts and anchorage requirements. See Typ. Installation in sheet 10 for straight configured units, sheet 11 for corner units and sheet 14 for pocketed units. Pockets & Egress requirements to be reviewed by Building official.

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", 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 **renews** NOA # 17-0420.12 and consists of this page 1 and evidence pages E-1, E-2 & E-3, as well as approval document mentioned above.

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

MIAMI-DADE COUNTY
APPROVED

NOA No. 19-1126.03
Expiration Date: February 17, 2025
Approval Date: January 09, 2020
Page 1

8
12/19/19

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

1. Evidence submitted under previous approvals under file #15-1013.15

A. DRAWINGS

1. Manufacturer's die drawings and sections (submitted under files See below)
2. Drawing No. **PGT0130**, titled "Series 770 Alum. SGD – LM Impact", sheets 1 through 22 of 22, dated 10/10/14, with revision A dated 10/08/15, prepared by manufacturer, signed and sealed by 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) 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, and TAS 202-94

along with marked-up drawings and installation diagram of an aluminum sliding glass door, prepared by Fenestration Testing Laboratory, Inc., Test Report No. **FTL-7554**, dated 11/01/13, signed and sealed by Marlin D. Brinson, P.E. (***Submitted under NOA No. 14-0123.10***)

2. Test reports on: 1) Uniform Static Air Pressure Test, Loading 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, and TAS 202-94

along with marked-up drawings and installation diagram of an aluminum sliding glass door, prepared by Fenestration Testing Laboratory, Inc., Test Reports No.:

FTL-5980-R, FTL-6001-R and FTL-6015-R, which have been revised and reissued on 12/29/09, all signed and sealed by Julio Gonzales, P.E. (***Submitted under NOA No. 09-0826.10***)

Along with marked-up drawings and installation diagram of an aluminum sliding glass door, prepared by Fenestration Testing Laboratory, Inc., Test Reports No.: **FTL-5980, FTL-5993, FTL-6036, FTL-6001, FTL-6014, FTL-6015, FTL-6017, FTL-6023, FTL-6024, FTL-6025, FTL-6028, FTL-6031, FTL-6033 and FTL-6036**, all dated 08/10/09 and signed and sealed by Julio Gonzales, P.E. (***Submitted under NOA No. 09-0826.10***)

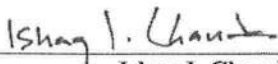
3. Additional, Reference Fixed window test report **FTL-7897** (cardinal spacer) per TAS 201, 202 & 203-94, issued by Fenestration Testing lab (Test report submitted under file #15-0430.08)

C. CALCULATIONS

1. Anchor verification calculations and structural analysis, complying with **FBC-5th Edition (2014)**, dated 01/30/15, prepared by manufacturer, signed and sealed by Anthony Lynn Miller, P.E.
2. Glazing complies with **ASTM E1300-04**

D. QUALITY ASSURANCE

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


Ishaq I. Chanda, P.E.
Product Control Unit Supervisor
NOA No. 19-1126.03
Expiration Date: February 17, 2025
Approval Date: January 09, 2020

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

E. MATERIAL CERTIFICATIONS

1. Notice of Acceptance No. **14-0916.10** issued to **Kuraray America, Inc.** for their "**Butacite® PVB Glass Interlayer**" dated 04/25/15, expiring on 12/11/16.
2. Notice of Acceptance No. **14-0916.11** issued to **Kuraray America, Inc.** for their "**SentryGlas® (Clear and White) Glass Interlayers**" dated 06/25/15, expiring on 07/04/18.

F. STATEMENTS

1. Statement letter of conformance, complying with **FBC-5th Edition (2014)**, dated October 8, 2015, issued by manufacturer, signed and sealed by Anthony Lynn Miller, P.E.

G. OTHERS

1. Notice of Acceptance No. **14-0128.11**, issued to PGT Industries, Inc. for their Series "**SGD-770**" Aluminum Sliding Glass Doors w/90° & 135° corners - L.M.I. expiring on 02/17/20.

2. Evidence submitted under previous approvals under file #16-2609.06

A. DRAWINGS

1. Drawing No. **PGT0130**, titled "Series 770 Alum. SGD – LM Impact", sheets 1 through 22 of 22, dated 10/10/14, with revision B dated 05/05/16, prepared by manufacturer, signed and sealed by Anthony Lynn Miller, P.E.

B. TESTS

1. 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.

C. CALCULATIONS (Submitted under previous NOA)

1. None.

D. QUALITY ASSURANCE

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

E. MATERIAL CERTIFICATIONS

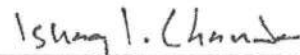
1. None.

F. STATEMENTS

1. Statement letter of conformance, complying with **FBC-5th Edition (2014)**, dated October 8, 2015, issued by manufacturer, signed and sealed by Anthony Lynn Miller, P.E.
2. Test proposal No. **16-0152** dated 03/09/16 approved by RER.

G. OTHERS

1. Notice of Acceptance No. **15-1013.15**, issued to PGT Industries, Inc. for their Series "**SGD-770**" Aluminum Sliding Glass Doors w/90° & 135° corners - L.M.I., expiring on 02/17/20.



Ishaq I. Chanda, P.E.

Product Control Unit Supervisor

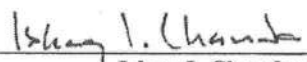
NOA No. 19-1126.03

Expiration Date: February 17, 2025

Approval Date: January 09, 2020

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

- 3. Evidence submitted under previous approvals under file #17-0420.12**
- A. DRAWINGS**
1. Drawing No. **PGT0130**, titled "Series 770 Alum. SGD – LM Impact", sheets 1 through 22 of 22, dated 10/10/14, with revision C dated 04/05/17, prepared by manufacturer, signed and sealed by Anthony Lynn Miller, P.E.
- B. TESTS**
1. None.
- C. CALCULATIONS**
1. Anchor verification calculations and structural analysis, complying with **FBC-6th Edition (2017)**, dated 04/18/17 and revised on 08/10/17, prepared by manufacturer, signed and sealed by Anthony Lynn Miller, P.E.
2. Glazing complies with ASTM E1300-09
- D. QUALITY ASSURANCE**
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.** for their "**Trosifol® Ultraclear, Clear and Color PVB Glass Interlayers**" dated 01/19/17, expiring on 07/08/19.
- F. STATEMENTS**
1. Statement letter of conformance with **FBC-6th Edition (2017)**, dated 08/10/17, issued by manufacturer, signed and sealed by Anthony Lynn Miller, P.E.
- G. OTHERS**
1. Notice of Acceptance No. **16-0629.06**, issued to PGT Industries, Inc. for their Series "SGD-770" Aluminum Sliding Glass Doors w/90° & 135° corners - L.M.I., expiring on 02/17/20.
- 4. New Evidence submitted**
- A. DRAWINGS**
1. Drawing No. **PGT0128 Rev C**, titled "Series 670 Alum SGD-Non-Impact", sheets 1 through 22 of 22, prepared by manufacturer, dated 02-02-14 and last revised on 11/22/19, signed and sealed by Lynn Miller, P.E.
- C. CALCULATIONS (submitted under file #17-0420.12)**
1. None
- D. QUALITY ASSURANCE**
1. Miami Dade Department of Regulatory and Economic Resources (RER).
- E. MATERIAL CERTIFICATIONS**
1. Notice of Acceptance No. **19-0305.02** issued to **Kuraray America, Inc.** for their "**Trosifol® Ultraclear, Clear and Color PVB Glass Interlayers**", expiring on 07/08/24.
2. Notice of Acceptance No. **17-0808.02** issued to **Kuraray America, Inc.** for their "**SentryGlas® (Clear and White) Glass Interlayers**", expiring on 07/04/23.
- F. STATEMENTS**
1. Statement letter of conformance to FBC 2017 (6th Edition) and letter of no financial interest, prepared by PGT, dated 11/22/19, signed and sealed by Lynn Miller, P.E.
- G. OTHER**
1. This NOA renews NOA # 17-0420.12, expiring April 07, 2025.


Ishaq I. Chanda, P.E.
Product Control Unit Supervisor
NOA No. 19-1126.03
Expiration Date: February 17, 2025
Approval Date: January 09, 2020

SERIES 770, IMPACT RESISTANT SLIDING GLASS DOOR INCLUDING POCKETS & 90°/135° CORNERS

GENERAL NOTES

- GLAZING TYPE OPTIONS: SEE TABLE B, THIS SHEET & GLAZING DETAILS ON SHEETS 4 & 5.
- DESIGN PRESSURES:
 - NEGATIVE DESIGN LOADS BASED ON TESTED PRESSURE AND GLASS TABLES ASTM E1300.
 - POSITIVE DESIGN LOADS BASED ON WATER TEST PRESSURE AND GLASS TABLES ASTM E1300.
 - ANCHORAGE: THE 33-1/3% STRESS INCREASE HAS NOT BEEN USED IN THE DESIGN OF THIS PRODUCT. MATERIALS, INCLUDING BUT NOT LIMITED TO STEEL SCREWS, THAT COME INTO CONTACT WITH OTHER DISSIMILAR MATERIALS SHALL MEET THE REQUIREMENTS OF THE CURRENT FLORIDA BUILDING CODE. FOR ANCHORAGE DETAILS SEE SHEETS 6-14.
 - SHUTTERS ARE NOT REQUIRED PER FBC REQUIREMENTS, AS APPLICABLE.
 - INSTALLATION SCREWS, FRAME SPLICES, FRAME AND PANEL CORNERS TO BE SEALED WITH NARROW JOINT SEALANT.
 - REFERENCES: ELCO ULTRACON, CREFLEX AND AGGREGATOR NOW'S, ANSI/AFPA NDS FOR WOOD CONSTRUCTION AND AOM, ALUMINUM DESIGN MANUAL.
 - THIS PRODUCT HAS BEEN DESIGNED & TESTED TO COMPLY WITH THE REQUIREMENTS OF THE CURRENT FLORIDA BUILDING CODE, INCLUDING THE HIGH VELOCITY HURRICANE ZONE (HVHZ).
 - DOOR SIZES MUST BE VERIFIED FOR COMPLIANCE WITH EGRESS REQUIREMENT'S PER CURRENT FLORIDA BUILDING CODE, AS APPLICABLE.
 - TEST REPORTS: FTL-5980, FTL-5993, FTL-6001, FTL-6014, FTL-6017, FTL-6022, FTL-6023, FTL-6024, FTL-6025, FTL-6028, FTL-6031, FTL-6033, FTL-6036 AND FTL-7554

TABLE B. SEE DETAILS ON SHEETS 4 & 5

Glass	Description (Listed from Exterior to Interior)
G3	1/16" Laminated (2) Lites of 3/16" HS Glass with .000" PVB Interlayer
G4	3/16" Laminated (2) Lites of 1/4" HS Glass with .000" PVB Interlayer
G5	3/16" Laminated (2) Lites of 1/4" HS Glass with .000" SG Interlayer
G6	1" Laminated IG, 3/16" T Exterior Cap + 3/8" Air Space + 7/16" Laminated (2) Lites of 3/16" HS Glass with .000" PVB Interlayer
G7	1" Laminated IG, 3/16" T Exterior Cap + 3/8" Air Space + 7/16" Laminated (2) Lites of 3/16" HS Glass with .000" SG Interlayer
G8	1" Laminated IG, 3/16" T Exterior Cap + 3/8" Air Space + 7/16" Laminated (2) Lites of 3/16" HS Glass with .000" PVB Interlayer
G9	1" Laminated IG, 3/16" T Exterior Cap + 3/8" Air Space + 7/16" Laminated (2) Lites of 3/16" HS Glass with .000" SG Interlayer

*ANN = ANNEALED

*HS = HEAT STRENGTHENED

*PVB = 0.000" TROISFIL® PVB BY KURARAY AMERICA, INC.

*SG = 0.000" SENTRYGLAS® BY KURARAY AMERICA, INC.

DESIGN PRESSURE RATING	IMPACT RATING
SEE TABLES 1, 2 & 3 ON SHEETS 6, 7 & 8	RATED FOR LARGE & SMALL MISSILE IMPACT RESISTANCE

CODES / STANDARDS USED:

- 2017 FLORIDA BUILDING CODE (FBC), 6TH EDITION
- 2014 FLORIDA BUILDING CODE (FBC), 5TH EDITION
- ASTM E1300-09
- ANSI/AFPA NDS-2015 FOR WOOD CONSTRUCTION
- ALUMINUM DESIGN MANUAL, AIA-2015
- ANSI S100-12
- ANSI S360-10

Updated to FBC 2017, REVISED TABLES 1, 2, 3 & 4

10/10/14

TABLE A:

Anchor Group	Anchor Type	Frame Member	Substrate	Min. Edge Distance	Min. O.C. Distance	Min. Embedment or Metal Thickness
A	#12 18-8 SMS, (F _y = 60 ksi, F _u = 95 ksi)	All	Southern Pine (SG = 0.55)	9/16"	7/8"	1-3/8"
	#12 410 SS SMS, (F _y = 90 ksi, F _u = 110 ksi)			3/8"	9/16"	0.050"
	#12 410 SS SMS, (F _y = 90 ksi, F _u = 110 ksi)			3/8"	9/16"	0.050"
	#12 410 SS SMS, (F _y = 90 ksi, F _u = 110 ksi)			3/8"	9/16"	0.045" (18 GA)
B	1/4" Elco Aggro-Gate® (F _y = 57 ksi, F _u = 96 ksi)	All	Gr. 33 Steel Stud	1-1/2"	3"	1-3/8"
	1/4" Elco Aggro-Gate® (F _y = 57 ksi, F _u = 96 ksi)			2"	3"	1-1/4"
	1/4" Elco Aggro-Gate® (F _y = 57 ksi, F _u = 96 ksi)			2"	3"	1-3/8"
	1/4" Elco Aggro-Gate® (F _y = 57 ksi, F _u = 96 ksi)			2"	3"	1-3/8"
C	#12 Steel SMS (Gr. 5) (min. of 3 threads beyond metal substrate)	All	6063-T5 Aluminum	9/16"	7/8"	0.050"
	#12 Steel SMS (Gr. 5) (min. of 3 threads beyond metal substrate)			3/8"	9/16"	0.050"
	#12 Steel SMS (Gr. 5) (min. of 3 threads beyond metal substrate)			3/8"	9/16"	0.050"
	#12 Steel SMS (Gr. 5) (min. of 3 threads beyond metal substrate)			3/8"	9/16"	0.045" (18 GA)
D	1/4" Elco UltraCore® (F _y = 155 ksi, F _u = 177 ksi)	All	Concrete (min. 2,850 psi)	1"	4"	1-3/8"
	1/4" Elco UltraCore® (F _y = 155 ksi, F _u = 177 ksi)			2-1/2"	4"	1-3/8"
	1/4" Elco UltraCore® (F _y = 155 ksi, F _u = 177 ksi)			2-1/2"	4"	1-3/4"
	1/4" Elco UltraCore® (F _y = 155 ksi, F _u = 177 ksi)			2-1/2"	4"	1-3/4"
E	1/4" 410 SS Elco CoreFlex® (F _y = 127.4 ksi, F _u = 189.7 ksi)	All	Concrete (min. 3,350 psi)	1"	6"	1-3/4"
	1/4" 410 SS Elco CoreFlex® (F _y = 127.4 ksi, F _u = 189.7 ksi)			2-1/2"	6"	1-3/4"
	1/4" 410 SS Elco CoreFlex® (F _y = 127.4 ksi, F _u = 189.7 ksi)			2-1/2"	6"	1-3/4"
	1/4" 410 SS Elco CoreFlex® (F _y = 127.4 ksi, F _u = 189.7 ksi)			2-1/2"	6"	1-3/4"

- WHERE SUBSTRATE CONDITIONS REQUIRE ANCHORAGE FROM MORE THAN ONE OF THE ANCHOR GROUPS ABOVE, CHOOSE THE ANCHOR GROUP OF THE LOWEST LETTER FOR ALL TABLES IN THIS APPROVAL.
- ALL ANCHOR HEAD TYPES ARE APPLICABLE.
- FOR STEEL STUDS, MIN. F_u = 45 KSI, MIN. F_y = 33 KSI.
- FILLED BLOCK VALUES MAY ALSO BE USED IN HOLLOW BLOCK APPLICATIONS.
- ANCHORS MUST BE OF SUFFICIENT LENGTH SO THAT A MINIMUM OF 3 THREADS EXTEND BEYOND METAL SUBSTRATE.

ANCHOR NOTES

- FOR CONCRETE/CMU SUBSTRATE APPLICATIONS IN MIAMI-DADE COUNTY, USE ONLY MIAMI-DADE COUNTY APPROVED ANCHORS. SEE TABLE A ON THIS SHEET FOR EMBEDMENT, EDGE DISTANCE AND SUBSTRATE REQUIREMENTS.
- FOR OTHER SUBSTRATE APPLICATIONS SEE TABLE A, THIS SHEET.

- WOOD BUCKS DEPICTED AS 1X ARE LESS THAN 1-1/2" THICK. PROPERLY SECURED 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. 1X AND 2X BUCKS (WHEN USED) SHALL BE DESIGNED TO PROPERLY TRANSFER LOADS TO THE STRUCTURE. BUCK DESIGN AND INSTALLATION IS THE RESPONSIBILITY OF THE ENGINEER OR ARCHITECT OF RECORD & TO BE REVIEWED BY THE BUILDING OFFICIAL.

- METAL SUBSTRATE TO MEET MIN. STRENGTH AND THICKNESS REQUIREMENTS PER CURRENT FLORIDA BUILDING CODE AND TO BE REVIEWED BY THE AUTHORITY HAVING JURISDICTION.

- IF SILL IS TIGHT TO SUBSTRATE, GROUT OR OTHER MATERIAL IS NOT REQUIRED. IF USED, NON-SHRINK, NON-METALLIC GROUT, MAX. 1/4" THICK & 3400 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.

PRODUCT REVIEWED as complying with the Florida Building Code Acceptance No. 19-1126-03 Expiration Date: 03/17/2025
By: [Signature]
Miami Dade Product Control



GENERAL NOTES AND MAP

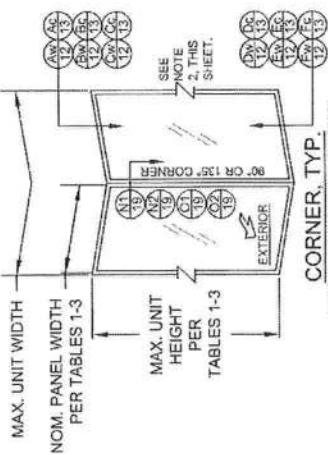
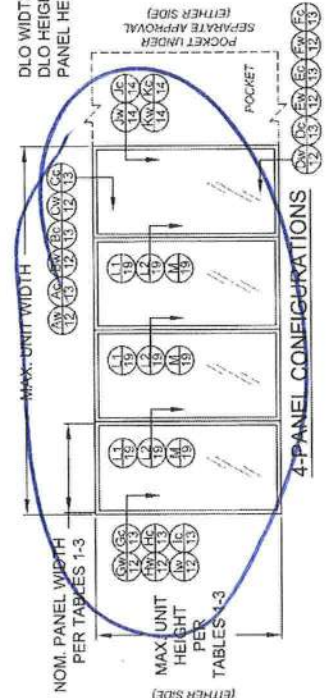
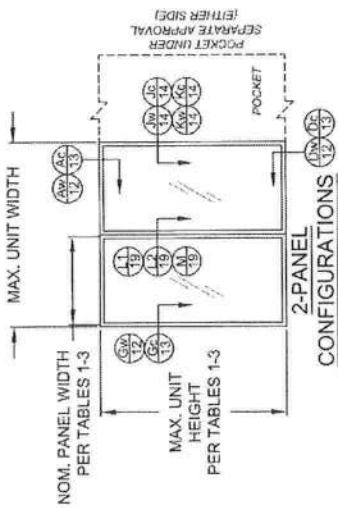
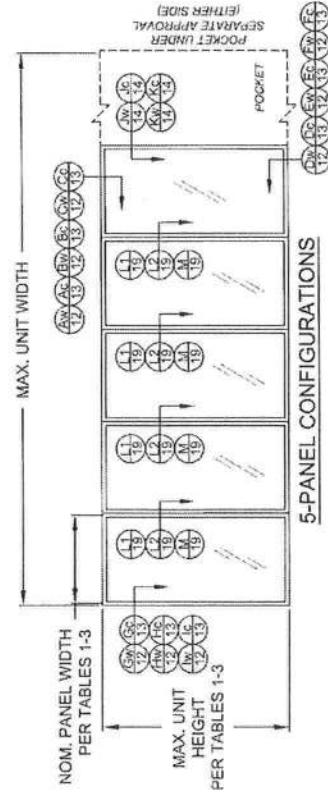
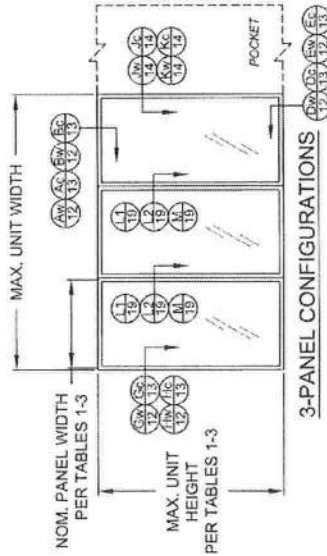
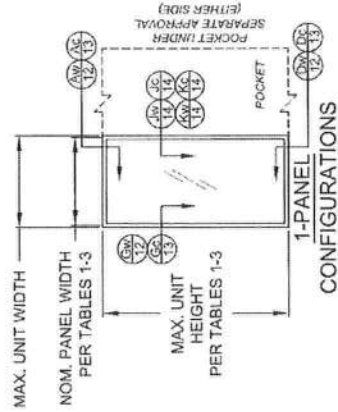
SERIES 770 ALUM. SGD - LM IMPACT

1 of 22 PG70130



1070 TECHNOLOGY DRIVE
N. VENICE, FL 34275
(813) 480-1600
CERT. OF AUTH. #26296

EXAMPLE CONFIGURATIONS



CONFIGURATIONS SHOWN ARE ALSO AVAILABLE AS
POCKET CONFIGURATIONS AT EITHER OR BOTH JAMB
LOCATIONS USING DETAIL "Jw", "Jc", "Kw" OR "Kc" INSTALLATION.
EXAMPLE: 4-PANEL XXXX IN POCKET (p) CONFIGURATION CAN BE
PXXXXp, pXXXX OR XXXXp. XXXX IN POCKET CONFIGURATION
CAN BE OXXXp.

2) 90° & 135° CORNER CONFIGURATIONS CAN BE A COMBINATION
OF ANY 2 STRAIGHT CONFIGURATIONS.

3) FOR NOM. PANEL WIDTH, SEE TABLES 1-3.

"X" = OPERABLE PANEL.

"O" = INOPERABLE PANEL.

"p" = POCKET

DETAIL LETTER

"w" = WOOD OR METAL INSTALLATION

"c" = CONCRETE INSTALLATION

SHEET NUMBER

DLO WIDTH = NOM. PANEL WIDTH - 7"
DLO HEIGHT = DOOR UNIT HEIGHT - 10.125"
PANEL HEIGHT = DOOR UNIT HEIGHT - 1.866"

PRODUCT RENEWED
as complying with the Florida
Acceptance Code
Acceptance No. 19-1126-03
Expiration Date 2/17/2025
By 1562 1.16.25
Miami Dade Product Control



EXAMPLE CONFIGURATIONS

SERIES 770 ALUM. SGD - LM IMPACT

1070 TECHNOLOGY DRIVE
N. VENICE, FL 34778
(941) 460-1600

CERT. OF AUTH. #29296



1070 TECHNOLOGY DRIVE
N. VENICE, FL 34778
(941) 460-1600

CERT. OF AUTH. #29296

NO CHANGES THIS SHEET.

10/10/14

10/10/14

10/10/14

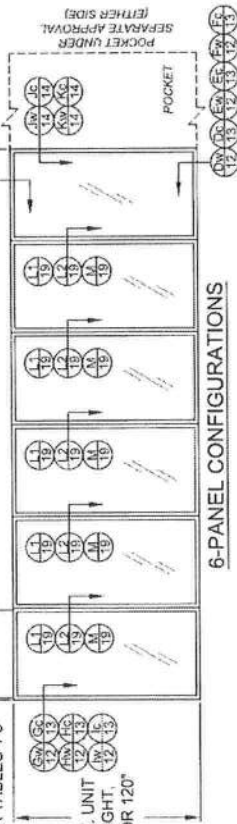
10/10/14

EXAMPLE CONFIGURATIONS

MAX. TESTED UNIT WIDTH =
355-716" @ 96" HEIGHT
300-114" @ 120" HEIGHT

NOM. PANEL WIDTH
PER TABLES 1-3

MAX. UNIT
HEIGHT,
96" OR 120"

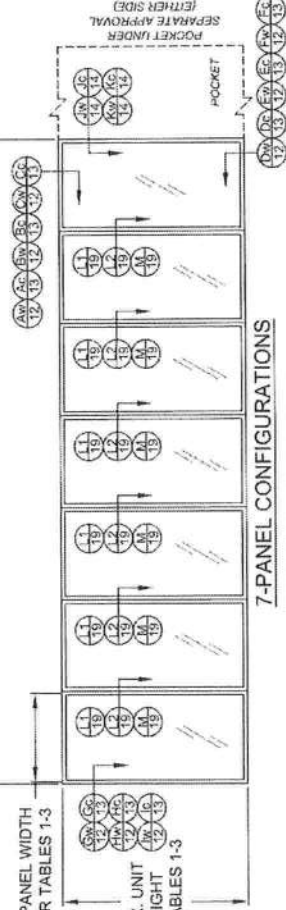


6-PANEL CONFIGURATIONS

MAX. UNIT WIDTH

NOM. PANEL WIDTH
PER TABLES 1-3

MAX. UNIT
HEIGHT
PER TABLES 1-3

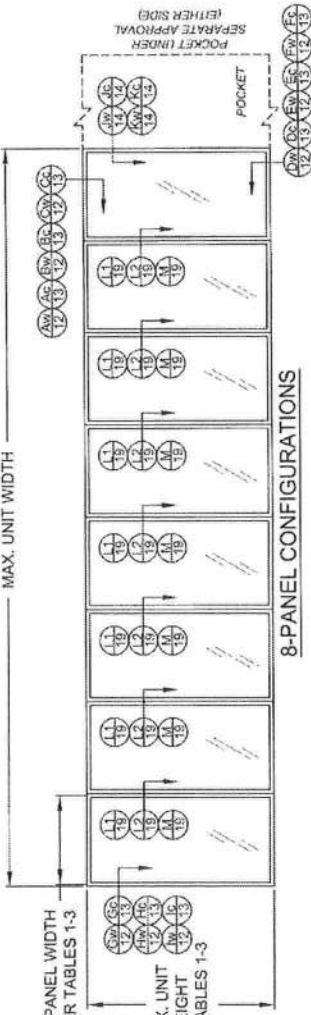


7-PANEL CONFIGURATIONS

MAX. UNIT WIDTH

NOM. PANEL WIDTH
PER TABLES 1-3

MAX. UNIT
HEIGHT
PER TABLES 1-3



8-PANEL CONFIGURATIONS

CONFIGURATIONS NOTES:

1) ALL CONFIGURATIONS SHOWN ARE ALSO AVAILABLE AS POCKET CONFIGURATIONS AT EITHER OR BOTH JAMB LOCATIONS USING DETAIL "Jw", "Jc", "Kw" OR "Kc" INSTALLATION. EXAMPLE: 4-PANEL XXXX IN POCKET (p) CONFIGURATION CAN BE pXXXXp, pXXXX OR XXXXp. XXXX IN POCKET CONFIGURATION CAN BE OXXXX.

2) 90° & 135° CORNER CONFIGURATIONS CAN BE A COMBINATION OF ANY 2 STRAIGHT CONFIGURATIONS.

3) FOR NOM. PANEL WIDTH, SEE TABLES 1-3.

"X" = OPERABLE PANEL,

"O" = INOPERABLE PANEL,

"p" = POCKET

DETAIL LETTER

"W" = WOOD OR METAL INSTALLATION

"C" = CONCRETE INSTALLATION

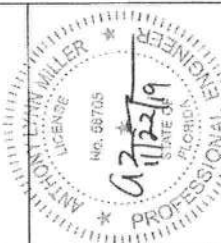
SHEET NUMBER

DLO WIDTH = NOM. PANEL WIDTH - 7"

DLO HEIGHT = DOOR UNIT HEIGHT - 10.125"

PANEL HEIGHT = DOOR UNIT HEIGHT - 1.866"

PRODUCT RENEWED
as complying with the Florida
Building Code
Acceptance No. 19-1126-03
Expiration Date 12-17-2015
By: [Signature]
Reform Trade Product Council



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

EXAMPLE CONFIGURATIONS

SERIES 770 ALUM. SGD - LM IMPACT

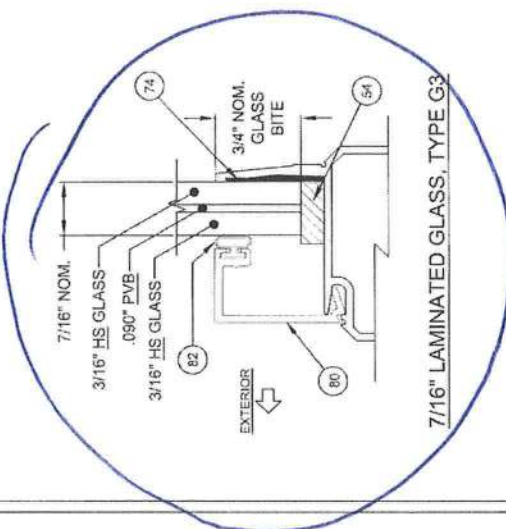
1070 TECHNOLOGY DRIVE
N. VENICE, FL 34275
(941) 460-1600
CERT. OF AUTH. #02096

NO CHANGES THIS SHEET.

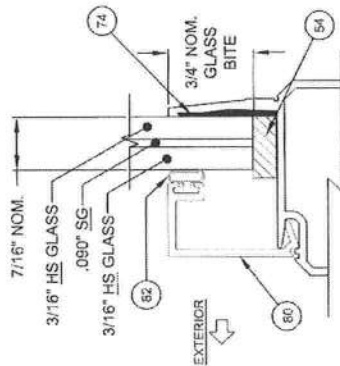
Drawn By: JR Date: 10/10/14
Checked By: C
Reviewed By: JR

NTS 3 of 22 PG70130 C

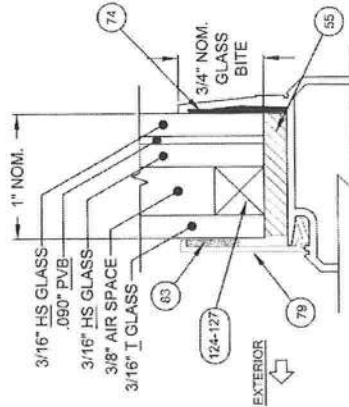
GLAZING DETAILS (G3, G3A, G4, G4A, G5 & G5A)



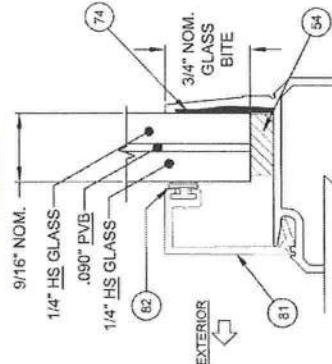
7/16" LAMINATED GLASS, TYPE G3



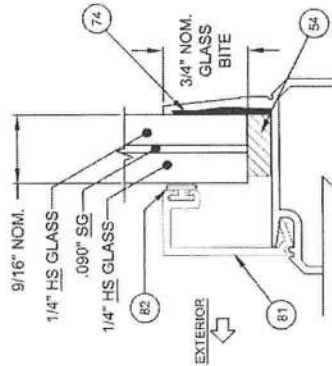
7/16" LAMINATED GLASS, TYPE G4



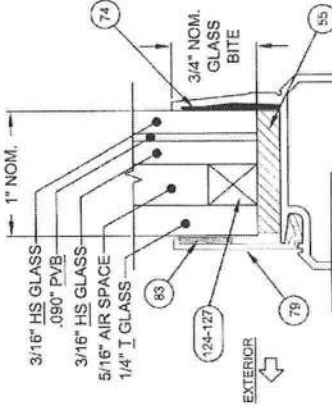
1" LAMINATED I.G. GLASS, TYPE G5



9/16" LAMINATED GLASS, TYPE G3A



9/16" LAMINATED GLASS, TYPE G4A



1" LAMINATED I.G. GLASS, TYPE G5A

GLAZING NOTES:
 "ANN" = ANNEALED
 "HS" = HEAT STRENGTHENED
 "T" = TEMPERED
 "PVB" = .090" TROSIFOL PVB BY KURARAY AMERICA, INC.
 "SG" = .090" SENTRYGLAS BY KURARAY AMERICA, INC.

Revised By	JD	Date	04/05/17	Revised By	C	Date	10/10/14
Drawn By	JD	Date		Checked By		Date	

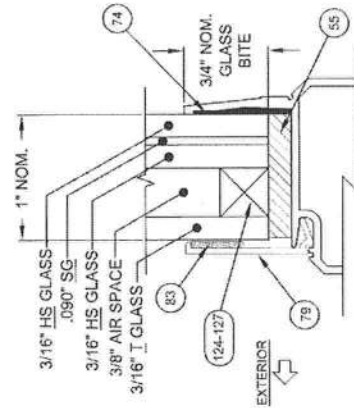
1070 TECHNOLOGY DRIVE N. VENICE, FL 34275 (941) 460-1000 CERT. OF AUTH. #20296	PGT	Series 770 ALUM. SGD - LM IMPACT	Scale	NTS	4	22	PGT0130	Rev	C
---	------------	----------------------------------	-------	-----	---	----	---------	-----	---

SEE SHEET 15 FOR SPACER DETAILS.

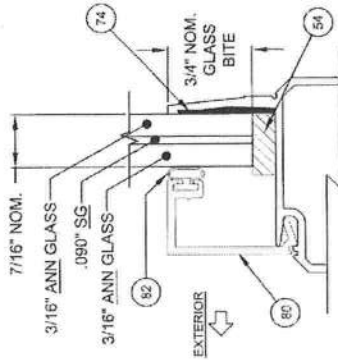
PRODUCT RENEWED
 as complying with the Florida
 Building Code
 Acceptance No. 19-11263
 Expiration Date: 2/1/2023
 By: [Signature]
 Licensed Professional Engineer



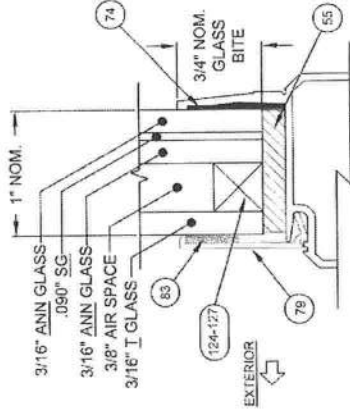
GLAZING DETAILS (G6, G6A, G7, G7A, G8 & G8A)



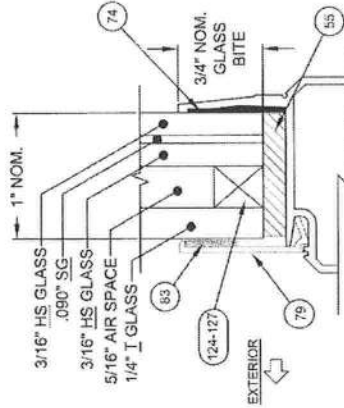
1" LAMINATED I.G. GLASS, TYPE G6



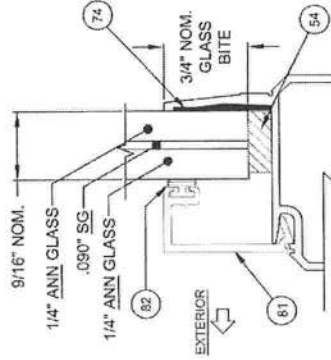
7/16" LAMINATED GLASS, TYPE G7



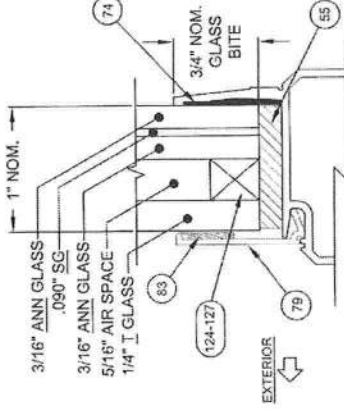
1" LAMINATED I.G. GLASS, TYPE G8



1" LAMINATED I.G. GLASS, TYPE G6A



9/16" LAMINATED GLASS, TYPE G7A



1" LAMINATED I.G. GLASS, TYPE G8A

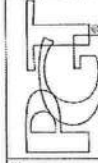
GLAZING NOTES:

- "ANN" = ANNEALED
- "HS" = HEAT STRENGTHENED
- "T" = TEMPERED
- "PVB" = .090" TROSIFOL PVB BY KURARAY AMERICA, INC.
- "SG" = .090" SENTRYGLAS BY KURARAY AMERICA, INC.

Revised By	Date	Revised By	Date	Checked By	Date
JR	04/05/17	C		JR	10/10/14

NO CHANGES THIS SHEET.

1070 TECHNOLOGY DRIVE
N. VENICE, FL 34275
(841) 480-1600
CERT. OF AUTH. #93286



GLAZING DETAILS

SERIES 770 ALUM. SGD - LM IMPACT

Specification	Size	Qty	Notes	Rev
SGD-770	NTS	5	# 22	C

SEE SHEET 15 FOR SPACER DETAILS.

PRODUCT REVIEWED
in compliance with the Florida
Building Code
Acceptance No. 19-1126-03
Expiration Date: 2/17/2017
By: [Signature]
Miami Dade Product Control

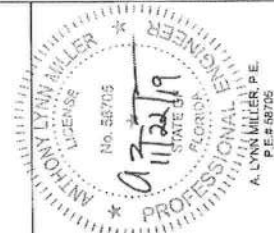


TABLE 1:

Design Pressure (DP) and Anchor Quantities Required, (for all approved configurations on Sheets 2 & 3) For corner astragal anchorage on 30° or 135° corner units, see sheet 11		Maximum DP for all sizes: +60 / -60 psf (May be limited by Table 1A)	
		Door Unit Height	
Table applies to Glass Types 3, 3A, 5, 5A, 7, 7A, 8 & 8A and the Sill/Astragal Types shown below.	Nominal Panel Width (in)	80"	84"
		69-7/8" DLO Anchor Group	73-7/8" DLO Anchor Group
24"	Head/Sill Jamb	A	B
		C4+1	C4+1
23"	Head/Sill Jamb	A	B
		C4+1	C4+1
29"	Head/Sill Jamb	A	B
		C4+1	C4+1
35"	Head/Sill Jamb	A	B
		C4+1	C4+1
42"	Head/Sill Jamb	A	B
		C4+1	C4+1
48"	Head/Sill Jamb	A	B
		C4+1	C4+1

FOR EXAMPLE ON USING TABLE, SEE SHEET 8.

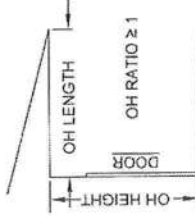
NOTES:

- POSITIVE PRESSURES IN TABLE 1 ARE BASED ON THE USE OF THE 3-1/4" SILL.
- WHEN USING THE 2-1/2" SILL, POSITIVE WATER DP IS 46.67 PSF MAX. WHEN USING THE 3-1/4" SILL, POSITIVE WATER DP IS 60.0 PSF MAX. WHEN USING THE 4" SILL, POSITIVE WATER DP IS 60.0 PSF MAX (NEGATIVE PRESSURES UNCHANGED). SEE TABLE 1A.
- 3-1/4", 3-1/4" AND 2-1/2" SILL HEIGHTS ARE TESTED FOR WATER INFILTRATION WHEREAS THE 1-1/2" SILL IS NOT AND MUST ONLY BE USED WHERE WATER RESISTANCE IS NOT REQUIRED. MAX. POSITIVE DESIGN PRESSURES SHOWN IN TABLE 1 MAY BE USED WHEN THE DOOR IS PROTECTED BY AN OVERHANG COMPLYING WITH THE CURRENT FLORIDA BUILDING CODE (SEE ADJACENT DIAGRAM); THIS CONDITION IS NOT RATED FOR WATER INFILTRATION.
- SEE SHEETS 10-14 FOR ANCHORAGE SPACING, EDGE DISTANCE AND EMBEDMENT INFORMATION.
- DOOR SIZE TO COMPLY WITH CURRENT FBC EGRESS REQUIREMENTS WHEN REQUIRED.
- JAMB ANCHORS ARE SPECIFIED AS THE TOTAL QUANTITY, DIVIDE BY 2 FOR PAIRS TO BE INSTALLED.

TABLE 1A:

Sill Height to Max. (+) DP (Water Infiltration Rating)	(+) Design Pressure, psf
Sill Riser Height (Flat or Box, see Sheet 17)	see note 3
Flush - 1-1/2"	+ 46.67
Low - 2-1/2"	+ 60.0
Medium - 3-1/4"	+ 60.0
High - 4"	+ 60.0

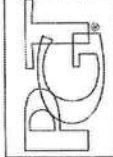
SEE NOTES 1-3

OH RATIO = OH LENGTH
OH HEIGHTDLO WIDTH =
NOM. PANEL WIDTH - 7"DLO HEIGHT =
DOOR UNIT HEIGHT - 10.125"PANEL HEIGHT =
DOOR UNIT HEIGHT - 1.866"

PRODUCT RENEWED
in compliance with the Florida
Building Code
Acceptance No. 14-1126-03
Expiration Date 7/17/2025
By: [Signature]
Miami Dade Product Control

Interlock	P-hook	Lockstyle @ Jamb	Straight Astragal Assembly	Lockstyle @ Straight Astragal	90° Astragal Assembly	Lockstyle @ 90° Astragal	135° Astragal Assembly	Lockstyle @ 135° Astragal
Standard Stiles	Standard Stile	Standard Stile	Standard Astragal	Standard Stile	Heavy-duty Stile	Heavy-duty Stile	Heavy-duty Stile	Heavy-duty Stile
					Outside Corner	Inside Corner	Outside Corner	Inside Corner
Part #60 (x2)	Part #60	Part #60	Part #60 (Stile) Part #67 (Astragal)	Part #60	Part #61 (Stile) Part #118 (Corner Receiver)	Part #119 (Out.) Part #120 (In.)	Part #61 (Stile) Parts #31 & #32 (Corn. & Fxd Mount)	Part #61

Revised By	Date	Revised By	Date	Revised By	Date	Revised By	Date	Revised By	Date
JR	04/05/17	JR	04/05/17	JR	04/05/17	JR	04/05/17	JR	04/05/17
JR	10/10/14	JR	10/10/14	JR	10/10/14	JR	10/10/14	JR	10/10/14



1070 TECHNOLOGY DRIVE
N. VENICE, FL 34775
(841) 480-1600
CERT. OF AUTH. #26296

DP AND ANCHORAGE
SERIES 770 ALUM. SGD - LM IMPACT

SGD-770

NTS 6" 22"

PGT0130

C

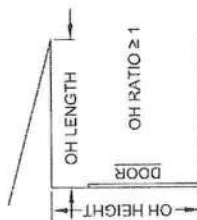


A. LYNN MILLER, P.E.
P.E. # 58705

TABLE 3A:

Sill Height to Max. (+) DP (Water Infiltration Rating)	(+) Design Pressure, psf
Sill Riser Height (Flat or Box, see Sheet 17)	see note 3
Flush - 1-1/2"	+ 46.67
Low - 2-1/2"	+ 60.0
Medium - 3-1/4"	+ 90.0
High - 4"	+ 90.0

SEE NOTES 1-3



$$\text{OH RATIO} = \frac{\text{OH LENGTH}}{\text{OH HEIGHT}}$$

PRODUCT RENEWED
as complying with the Florida
Building Code
Acceptance No. 17-1126-03
Expiration Date 12/17/2025
By: [Signature]
Notary Public/Notary General

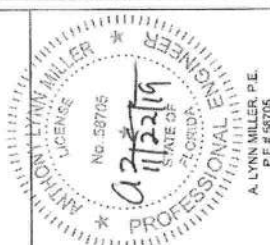


TABLE 3: Design Pressure (DP) and Anchor Quantities Required, (for all approved configurations on Sheets 2 & 3)

Maximum DP shown below (May be limited by Table 3A)		Door Unit Height											
		80"			84"			90"			96"		
Design Pressure	Head/Sill Jamb	65-7/8" DLO			73-7/8" DLO			75-7/8" DLO			85-7/8" DLO		
		A	B	C	A	B	C	A	B	C	A	B	C
17" DLO	Design Pressure	C4+1 C4+1 C4+1			C4+1 C4+1 C4+1			C4+1 C4+1 C4+1			C4+1 C4+1 C4+1		
	Head/Sill	8	8	8	8	8	8	8	8	8	8	8	8
23" DLO	Design Pressure	C4+1 C4+1 C4+1			C4+1 C4+1 C4+1			C4+1 C4+1 C4+1			C4+1 C4+1 C4+1		
	Head/Sill	8	8	8	8	8	8	8	8	8	8	8	8
29" DLO	Design Pressure	C4+1 C4+1 C4+1			C4+1 C4+1 C4+1			C4+1 C4+1 C4+1			C4+1 C4+1 C4+1		
	Head/Sill	8	8	8	8	8	8	8	8	8	8	8	8
35" DLO	Design Pressure	C4+1 C4+1 C4+1			C4+1 C4+1 C4+1			C4+1 C4+1 C4+1			C4+1 C4+1 C4+1		
	Head/Sill	8	8	8	8	8	8	8	8	8	8	8	8
41" DLO	Design Pressure	C4+1 C4+1 C4+1			C4+1 C4+1 C4+1			C4+1 C4+1 C4+1			C4+1 C4+1 C4+1		
	Head/Sill	8	8	8	8	8	8	8	8	8	8	8	8

NOTE A: +90.0 psf FOR GLASS TYPES 4, 6A, 6, 6A, 7A, 8 & 8A; +87.1 FOR GLASS TYPE 7

EXAMPLE ON SHEET 9

NOTE: 1) POSITIVE PRESSURES IN TABLE 3 ARE BASED ON THE USE OF THE 4" SILL.
2) WHEN USING THE 2-1/2" SILL, POSITIVE WATER DP IS 46.67 PSF MAX. WHEN USING THE 3-1/4" SILL, POSITIVE WATER DP IS 60.0 PSF MAX. WHEN USING THE 4" SILL, POSITIVE WATER DP IS 90.0 PSF MAX (NEGATIVE PRESSURES UNCHANGED). SEE TABLE 3A.
3) 4", 3-1/4" AND 2-1/2" SILL HEIGHTS ARE TESTED FOR WATER INFILTRATION WHEREAS THE 1-1/2" SILL IS NOT AND MUST ONLY BE USED WHERE WATER RESISTANCE IS NOT REQUIRED. MAX. POSITIVE DESIGN PRESSURES SHOWN IN TABLE 3 MAY BE USED WHERE THE DOOR IS PROTECTED BY AN OVERHANG COMPLYING WITH THE CURRENT FLORIDA BUILDING CODE (SEE ADJACENT DIAGRAM); THIS CONDITION IS NOT RATED FOR WATER INFILTRATION.
4) SEE SHEETS 10-14 FOR ANCHORAGE SPACING, EDGE DISTANCE AND EMBEDMENT INFORMATION.
5) DOOR SIZE TO COMPLY WITH CURRENT FBC EGRESS REQUIREMENTS WHEN REQUIRED.
6) JAMB ANCHORS ARE SPECIFIED AS THE TOTAL QUANTITY, DIVIDE BY 2 FOR PAIRS TO BE INSTALLED.

THE FOLLOWING STILE & ASTRAGAL TYPES SHALL BE USED FOR TABLE 3. SEE SHEETS 21 & 22 FOR PART DIMENSIONS AND SHEETS 18 & 19 FOR ASSEMBLY DETAILS.

Interlock	P-hook	Lockstile @ Jamb	Straight Astragal Assembly	Lockstile @ Straight Astragal Assembly	90° Astragal Assembly	Lockstile @ 90° Astragal Assembly	135° Astragal Assembly	Lockstile @ 135° Astragal Assembly
Heavy-duty Stiles	Heavy-duty Stile	Heavy-duty Stile	Heavy-duty Stile	Heavy-duty Stile	Heavy-duty Stile	Heavy-duty Stile	Heavy-duty Stile	Heavy-duty Stile
Part #61 (x2)	Part #61	Part #61 (Stile) Part #68 (Astragal)	Part #61	Part #61 (Stile) Part #118 (Corner Receiver)	Part #61 (Stile) Part #118 (Corner Receiver)	Part #61 (Stile) Part #120 (In.)	Part #61 (Stile) Part #31 & #32 (Corn. & End Mount)	Part #61

DP AND ANCHORAGE

1070 TECHNOLOGY DRIVE
N. VENICE, FL 34275
(941) 480-1600
CERT. OF AUTH. #26256

RENEWED TABLE 3, ADDED EXAMPLE

DATE: 10/10/14

REVISION C

DATE: 10/10/14

REVISION C

DATE: 10/10/14

REVISION C

DATE: 10/10/14

REVISION C

DATE: 10/10/14

REVISION C

DATE: 10/10/14

REVISION C

DATE: 10/10/14

REVISION C

DATE: 10/10/14

REVISION C

DATE: 10/10/14

REVISION C

DATE: 10/10/14

REVISION C

DATE: 10/10/14

REVISION C

DATE: 10/10/14

REVISION C

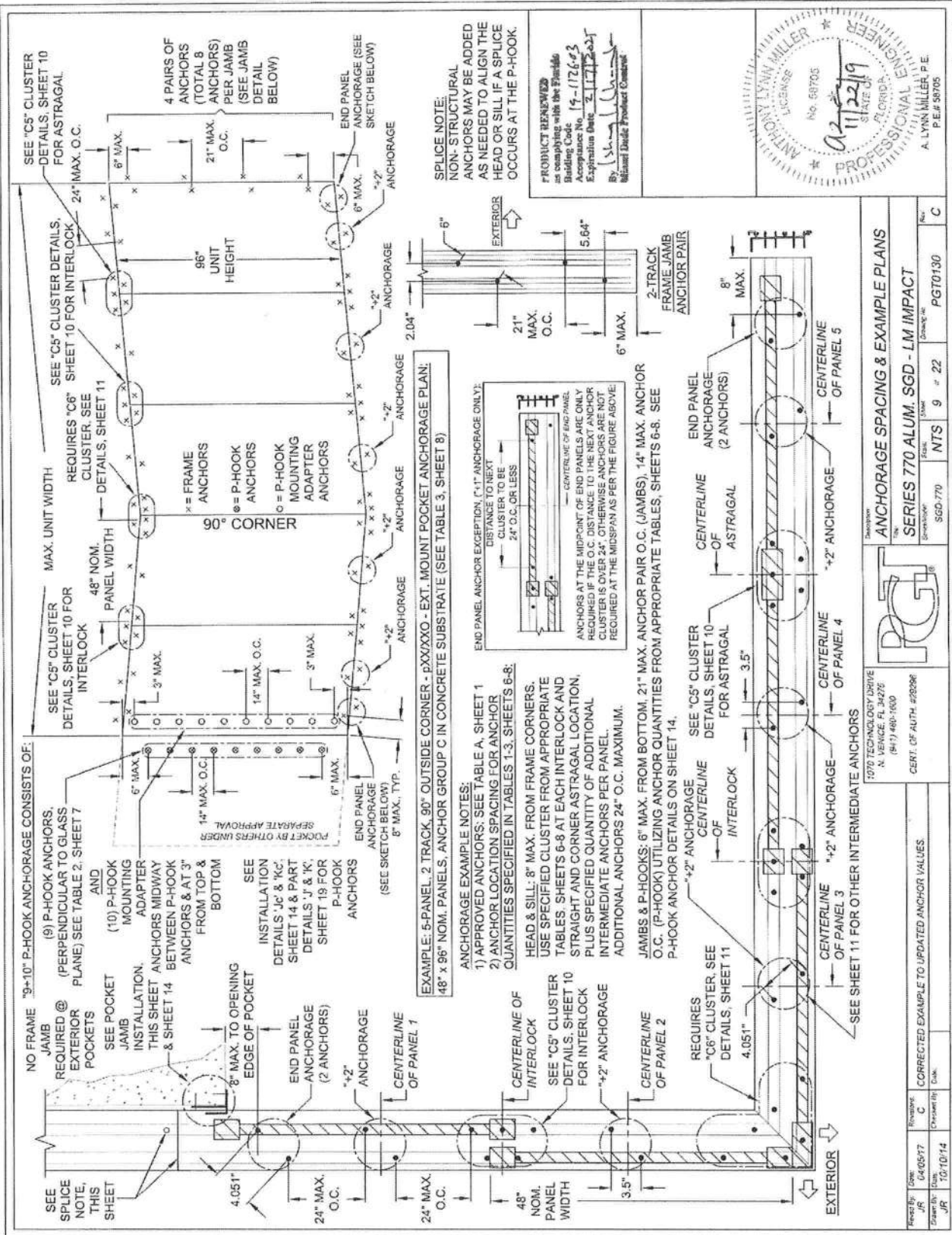
DATE: 10/10/14

REVISION C

DATE: 10/10/14

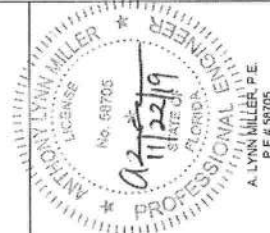
REVISION C

DATE: 10/10/14

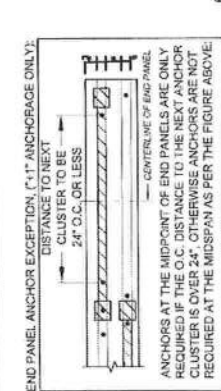


SPICE NOTE:
NON-STRUCTURAL
ANCHORS MAY BE ADDED
AS NEEDED TO ALIGN THE
HEAD OR SILL IF A SPICE
OCCURS AT THE P-HOOK.

PRODUCT REVIEWED
as complying with the Florida
Building Code
Acceptance No. 19-176-03
Expiration Date 11/17/2017
By: [Signature]
Refined Detail Product Contract

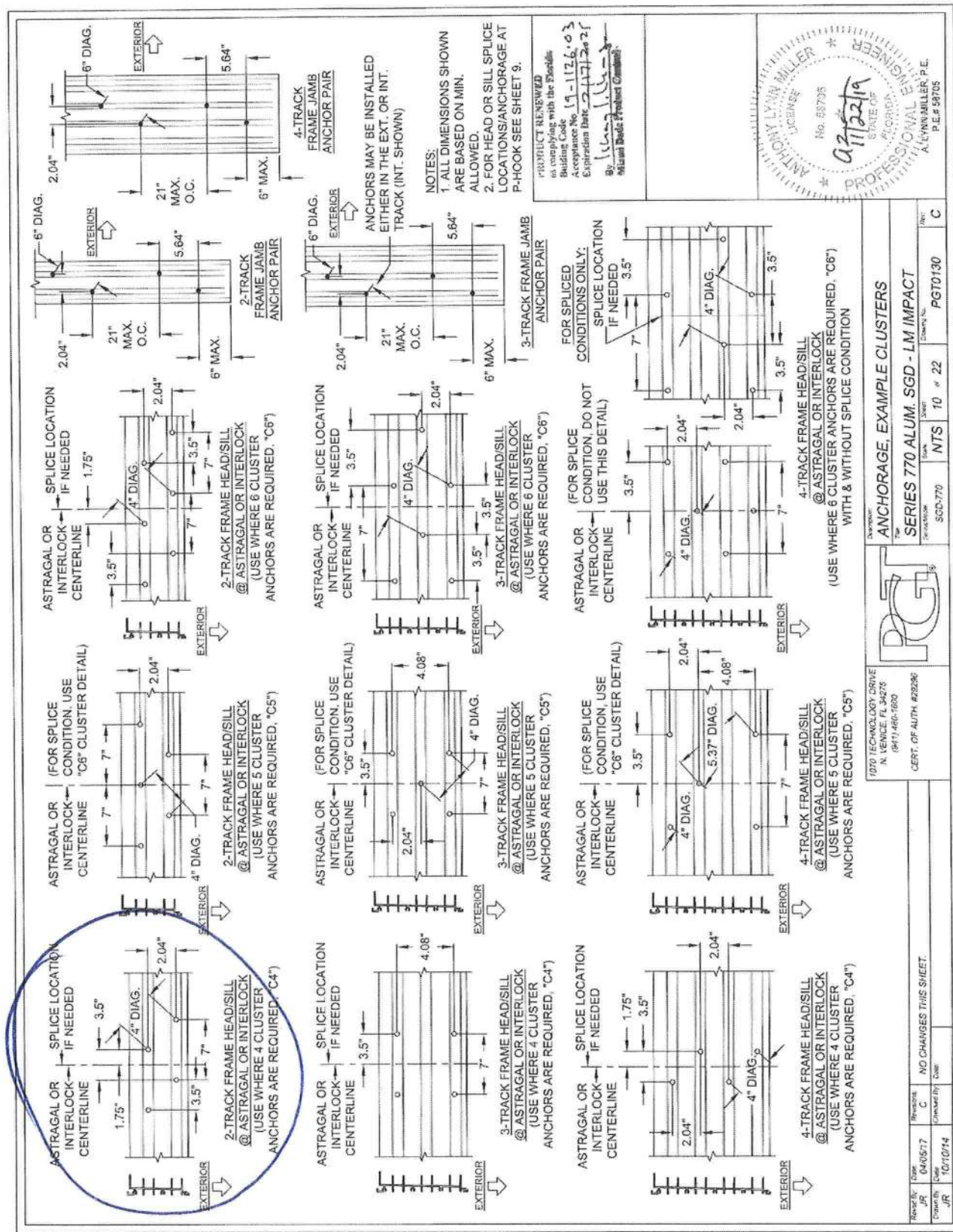


EXAMPLE: 5-PANEL, 2 TRACK, 90° OUTSIDE CORNER - EXT. MOUNT POCKET ANCHORAGE PLAN (SEE TABLE 3, SHEET 8)

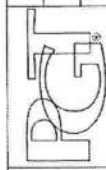


ANCHORAGE EXAMPLE NOTES:
1) APPROVED ANCHORS: SEE TABLE A, SHEET 1
2) ANCHOR LOCATION SPACING FOR ANCHOR
QUANTITIES SPECIFIED IN TABLES 1-3, SHEETS 6-8:
HEAD & SILL: 8" MAX. FROM FRAME CORNERS.
USE SPECIFIED CLUSTER FROM APPROPRIATE
TABLES, SHEETS 6-8 AT EACH INTERLOCK AND
STRAIGHT AND CORNER ASTRAGAL LOCATION.
PLUS SPECIFIED QUANTITY OF ADDITIONAL
INTERMEDIATE ANCHORS PER PANEL.
ADDITIONAL ANCHORS 24" O.C. MAXIMUM.
JAMBS & P-HOOKS: 6" MAX. FROM BOTTOM, 21" MAX. ANCHOR PAIR O.C. (JAMBS), 14" MAX. ANCHOR
O.C. (P-HOOK) UTILIZING ANCHOR QUANTITIES FROM APPROPRIATE TABLES, SHEETS 6-8. SEE
P-HOOK ANCHOR DETAILS ON SHEET 14.

ANCHORAGE SPACING & EXAMPLE PLANS			
SERIES 770 ALUM. SGD - LM IMPACT			
1070 TECHNOLOGY DRIVE N. VENICE, FL 34275 (813) 485-1600	PGI	SGD-770	PGT0130
CERT. OF AUTH. #20286	NTS	9	22
REVISIONS	DATE	BY	CHKD
1	10/10/14	JR	C



ANCHORAGE, EXAMPLE CLUSTERS
 The **SERIES 770 ALUM. SGD - LM IMPACT**



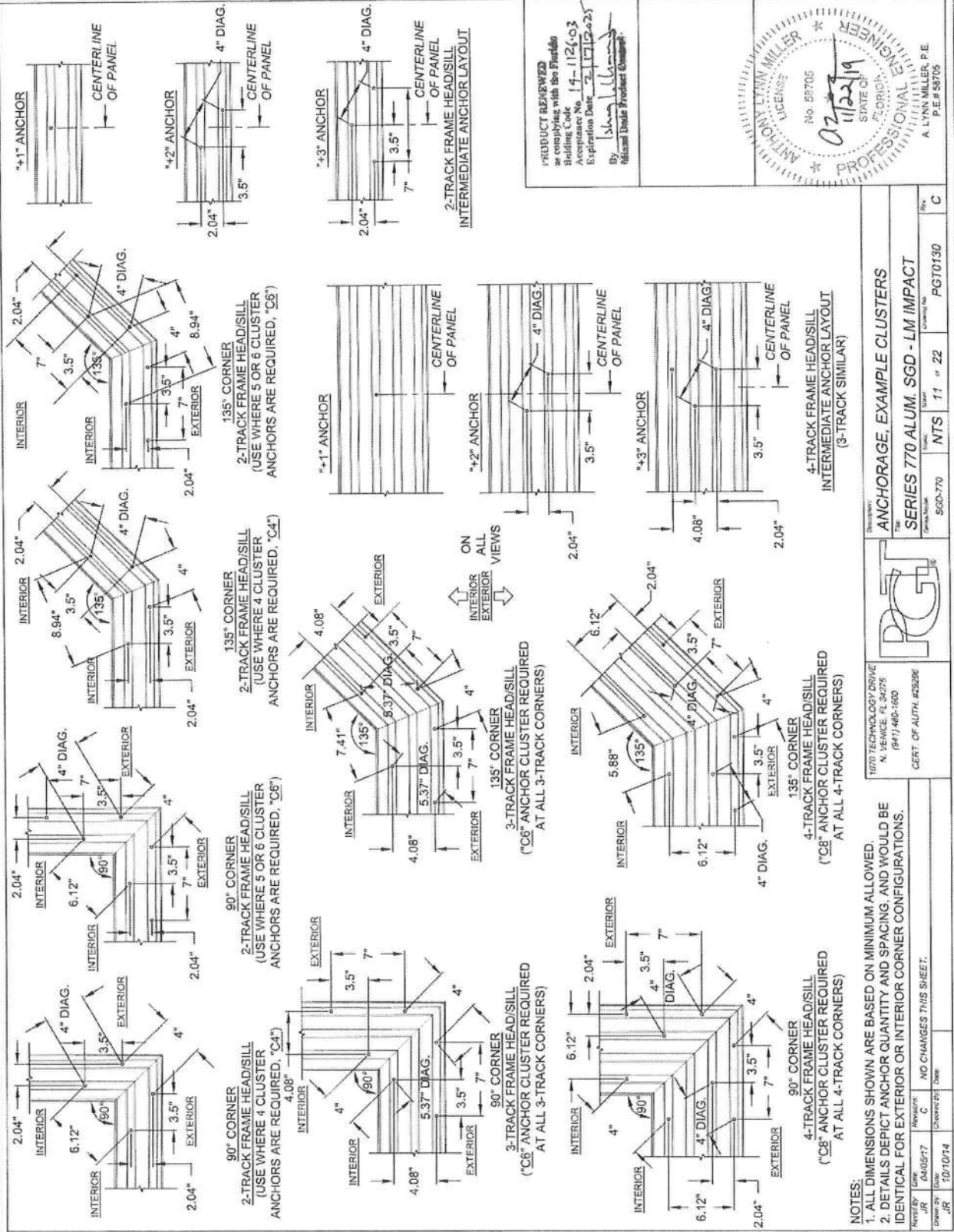
1070 TECHNOLOGY DRIVE
 N. VENICE, FL 34275
 (941) 460-1600

CERT. OF AUTH. #23282

Revised By:	Date:	Revised By:	Date:	Revised By:	Date:
JR	04/8/17	C			
Drawn By:	Date:	Drawn By:	Date:	Drawn By:	Date:
JR	10/10/14				

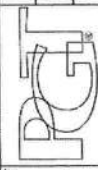
Scale:	NTS	Scale:	10' = 22'	Scale:	PGT0130
Sheet No.:	SGD-770	Sheet No.:		Sheet No.:	

Project No.:	C
--------------	---



NOTES:
1. ALL DIMENSIONS SHOWN ARE BASED ON MINIMUM ALLOWED.
2. DETAILS DEPICT ANCHOR QUANTITY AND SPACING, AND WOULD BE IDENTICAL FOR EXTERIOR OR INTERIOR CORNER CONFIGURATIONS.

ANCHORAGE, EXAMPLE CLUSTERS
SERIES 770 ALUM. SGD - LM IMPACT

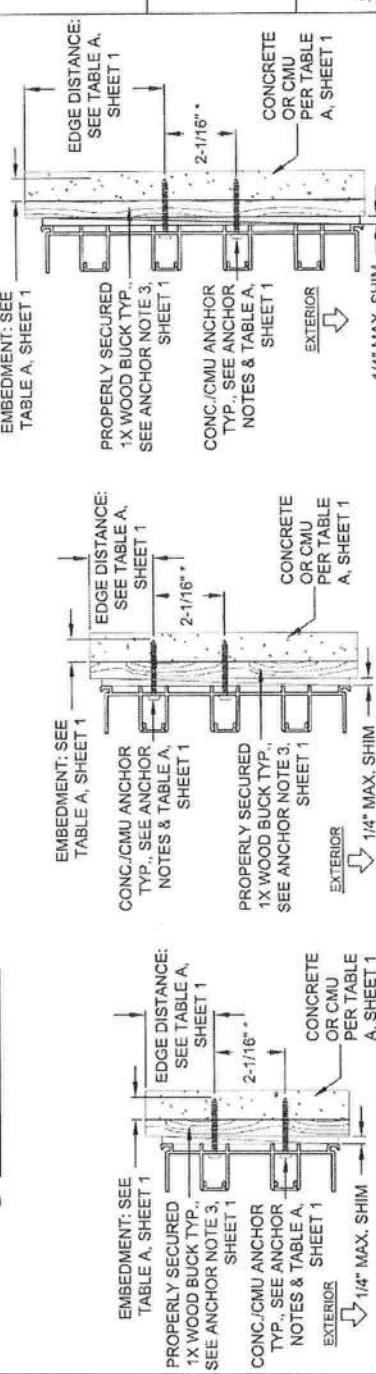
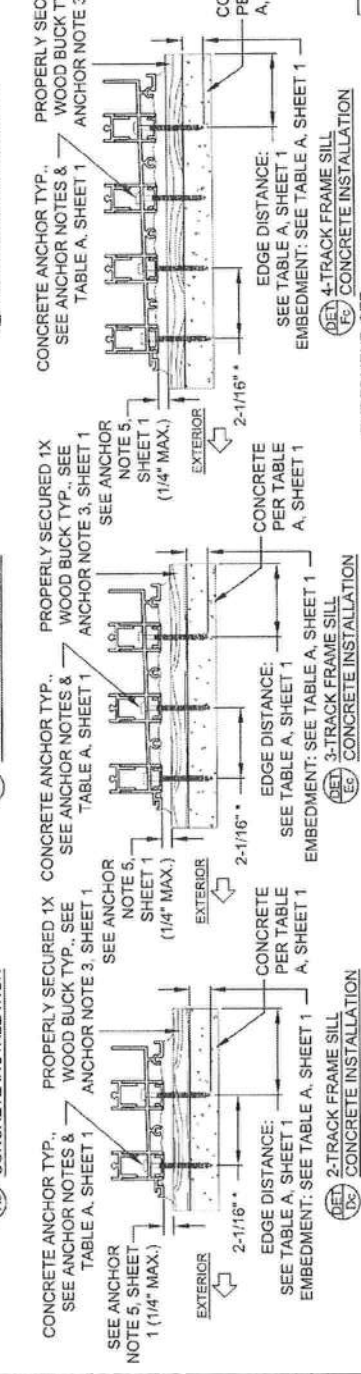
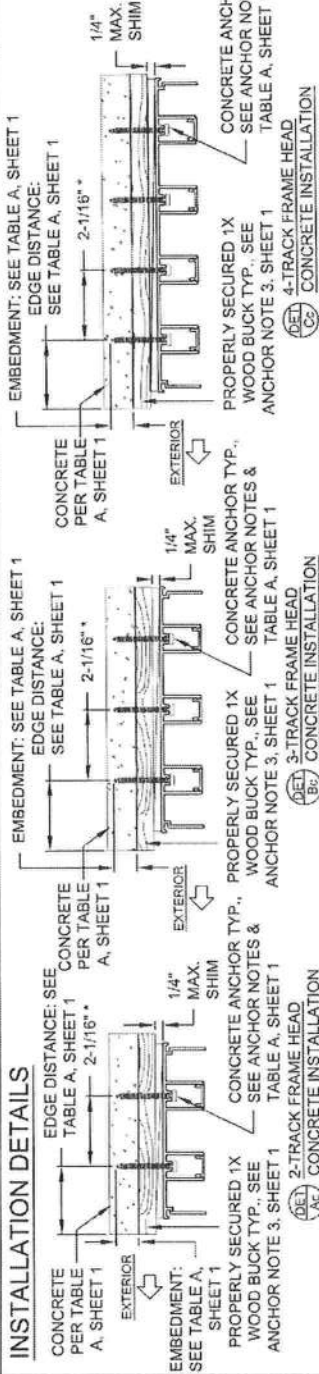


1070 TECHNOLOGY DRIVE
N. VENICE, FL 34275
(941) 460-1600
CERT. OF AUTH. #2626

Revised By	Drawn By	Checked By	Date	Scale	Sheet	Project	Revision
JR	JA	C	10/10/14		11 of 22	PGT0130	C

INSTALLATION DETAILS

NOTES:
1. ALL DIMENSIONS SHOWN ARE BASED ON MIN. ALLOWED.
* DIAGONAL O.C. IS MIN 4" (HEAD & SILL) OR 6" (JAMB) SEE DETAILS, SHEETS 10 & 11.



2-TRACK FRAME JAMB
CONCRETE/CMU INSTALLATION

3-TRACK FRAME JAMB
CONCRETE/CMU INSTALLATION

4-TRACK FRAME JAMB
CONCRETE/CMU INSTALLATION

ANCHORAGE DETAILS

SERIES 770 ALUM. SGD - LM IMPACT

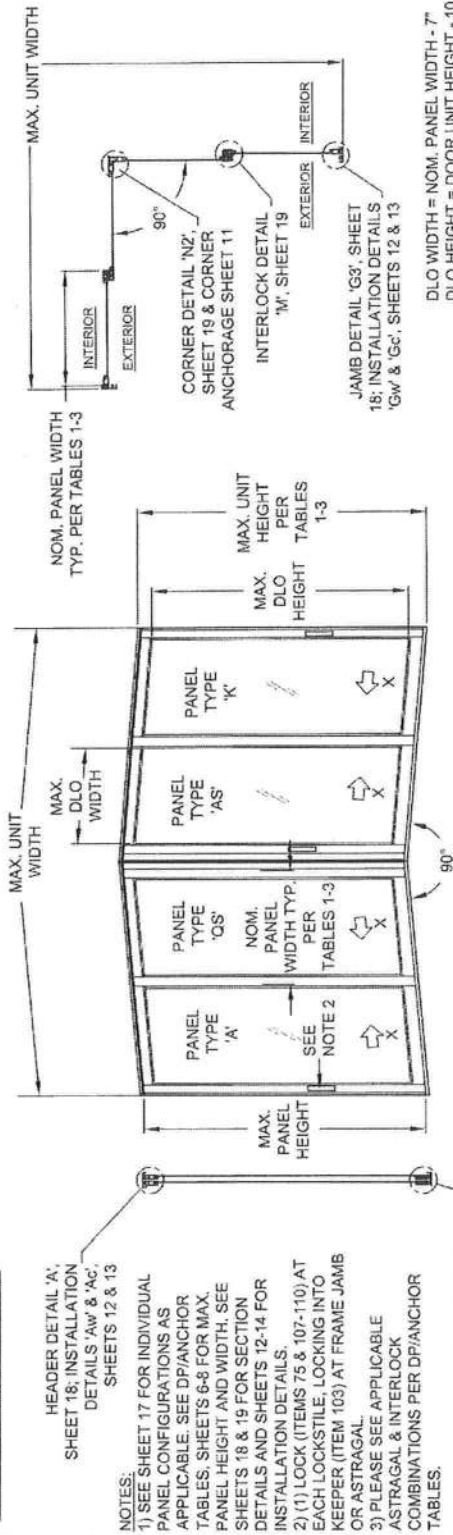
SGD-770 NTS 13 of 22 PG0130

1070 TECHNOLOGY DRIVE
N. VENICE, FL 34275
(941) 450-1600
CERT. OF AUTH. 423268

PRODUCT RENEWED
in compliance with the Florida
Building Code
Acceptance No. 19-1121-03
Expiration Date 2/17/2015
By: [Signature]
[Signature] State-Product Channel

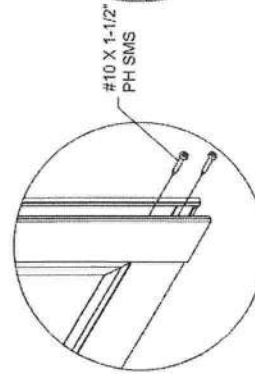
ANTHONY LYNN MILLER
No. 58705
11/22/19
FLORIDA
PROFESSIONAL ENGINEER
A. LYNN MILLER P.E.
P.E.# 58705

CONFIG. EXAMPLES

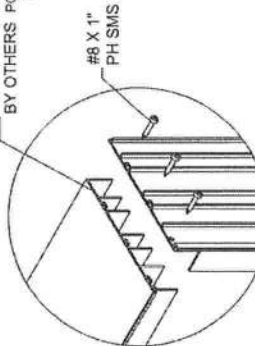


EXAMPLE: 90° INSIDE CORNER, 4 PANELS - XX/XX

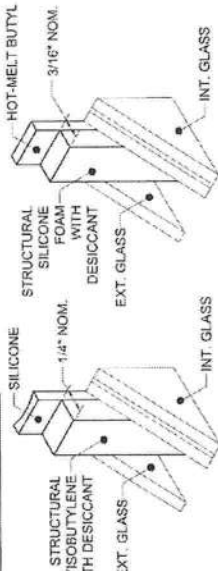
DLO WIDTH = NOM. PANEL WIDTH - 7"
DLO HEIGHT = DOOR UNIT HEIGHT - 10.125"
PANEL HEIGHT = DOOR UNIT HEIGHT - 1.866"



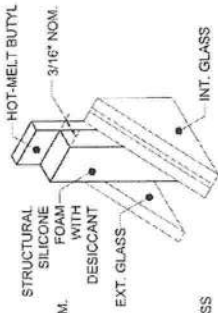
PANEL CORNER
DETAIL



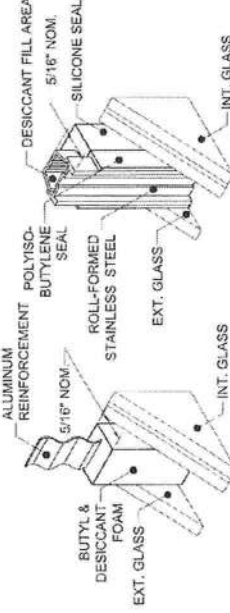
FRAME CORNER
DETAIL



KODISPACER 4SG TPS



SUPER SPACER NXT



DURASEAL SPACER

XL EDGE SPACER

Part #	Description	Material
124	Konmerling 4SG TPS Spacer System	
125	Quanex Super Spacer nXT with Hot Melt Butyl	See this Sheet for Materials
126	Quanex Duraseal Spacer	
127	Cardinal XL Edge Spacer	

REFERENCE TEST REPORTS: FTL-8717, 8868 & 8970

PRODUCT RENEWED
as complying with the Florida
Building Code
Acceptance No. 19-1726-03
Expiration Date 2/17/2025
By: [Signature]
National Build Product Council

ATKINSON MILLER
LICENSE
No. 58705
02/17/2019
STATE OF FLORIDA
PROFESSIONAL ENGINEER
A. LYNN MILLER, P.E.
P.E.# 58705

1070 TECHNOLOGY DRIVE
N. VENICE, FL 34275
(941) 485-1000
CERT. OF AUTH. #69396

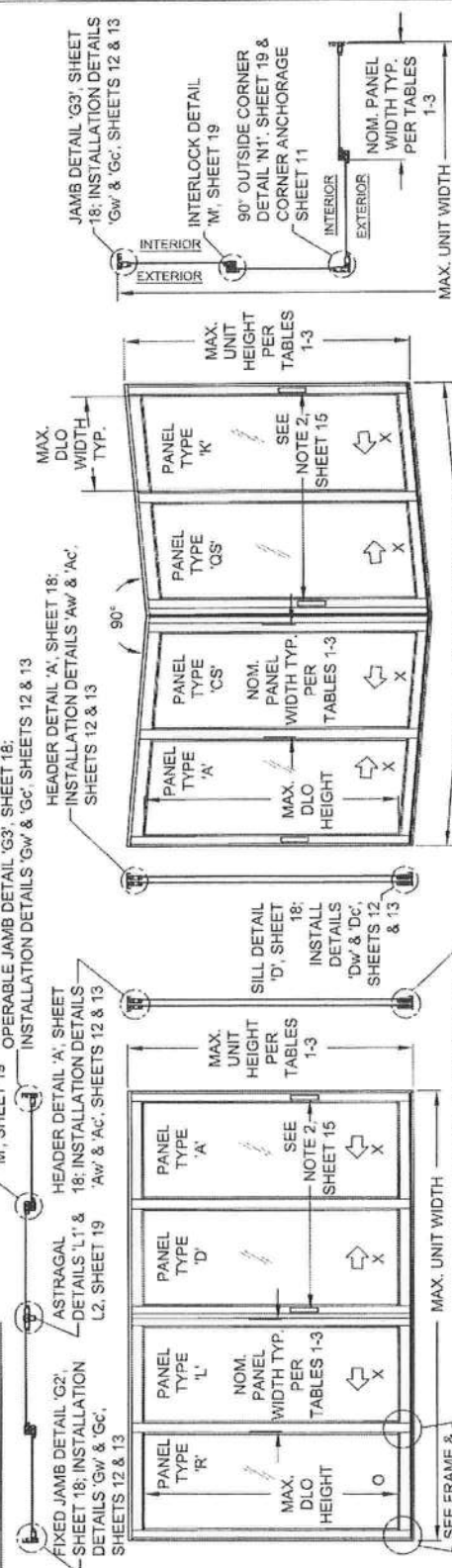
PGI

ANCHORAGE DETAILS / EXAMPLE ELEVATION
The SERIES 770 ALUM. SGD - LM IMPACT
Sheet No. SGD-770 Sheet 15 of 22
Scale: NTS
Date: PG70130
Rev: C

Revised By: JR	Date: 04/05/17	Approved By: C	NO CHANGES THIS SHEET.
Drawn By: JR	Date: 10/10/14	Checked By:	

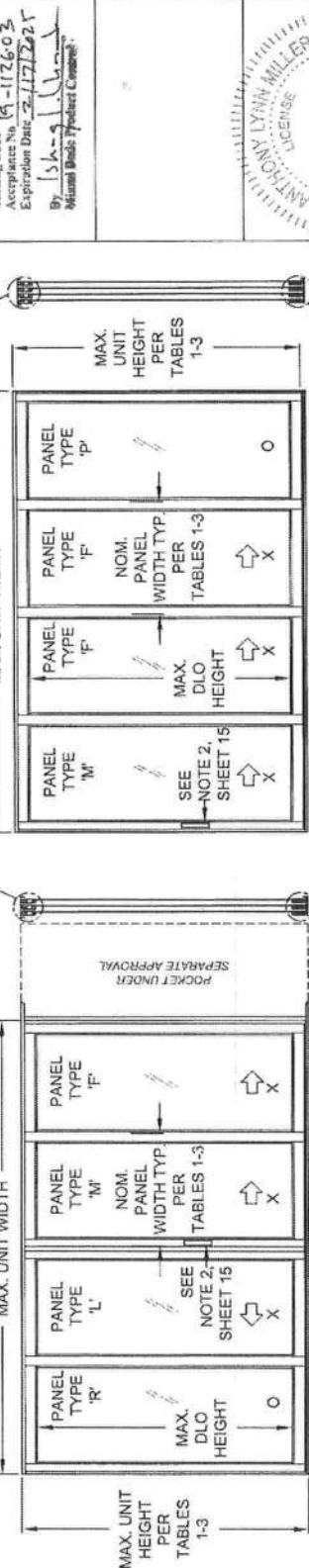
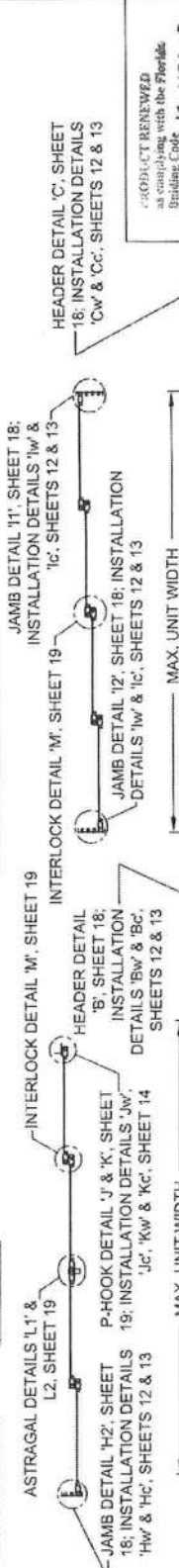
CONFIG. EXAMPLES

FOR ALL DETAILS ON THIS SHEET, SEE NOTES ON SHEET 15



EXAMPLE: 90° OUTSIDE CORNER - XX/XX (2-TRACK)

EXAMPLE: OXXX (2-TRACK)



EXAMPLE: OXXXp (3-TRACK, RIGHT POCKET)

EXAMPLE: XXXO (4-TRACK, BY-PASS)

EXAMPLE: XXXO (4-TRACK, BY-PASS)

1070 TECHNOLOGY DRIVE
N. VENICE, FL 33575
(941) 460-1600
CERT. OF AUTH. #20208

PGI

EXAMPLE ELEVATIONS

SERIES 770 ALUM. SGD - LM IMPACT

Scale: 1/8" = 1'-0"

Sheet: 16 of 22

NTS: SGD-770

PGT0130

Revised By: JH Date: 04/05/17

Drawn By: JR Date: 10/10/14

NO CHANGES THIS SHEET.

PRODUCT RENEWED
as complying with the Florida
Building Code
Acceptance No. 14-112603
Expiration Date 3/17/2025
By: [Signature]
Official Seal of the State of Florida



PANEL TYPES		SINGLE INTERLOCK OUT	SINGLE INTERLOCK IN	FIXED STILE	LOCKSTILE W/ HANDLE	ASTRAGAL BOX OUT	ASTRAGAL BOX IN	ASTRAGAL BOX OUT W/ HANDLE	ASTRAGAL BOX IN W/ HANDLE	INT CORNER 90° LOCKER W/ HANDLE	EXT CORNER 90° LOCKER W/ HANDLE	INT CORNER 30° RECEIVER W/ HANDLE	EXT CORNER 30° RECEIVER W/ HANDLE	INT CORNER 45° RECEIVER W/ HANDLE	EXT CORNER 45° RECEIVER W/ HANDLE
		F	E	PP	K	L				TR	TQ	TC	TA	TV	TW
		B	P	P	A	C				IC	SQ	SC	SA	SV	SW
		RR	R			S	S						FD	FV	FW
		D	M			J	J								

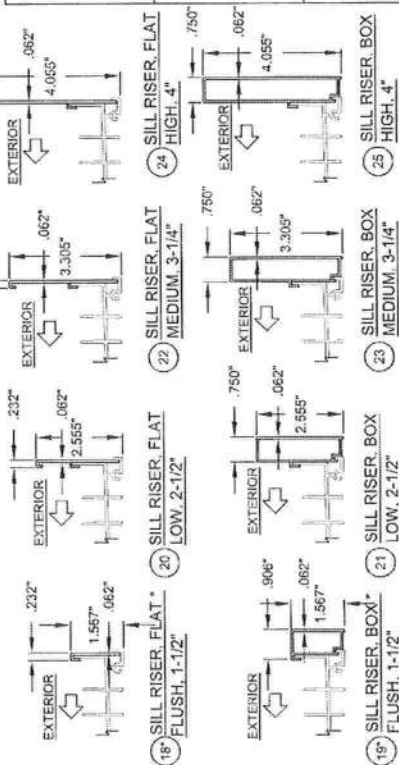
PANEL NOTES:

1. SEE DP TABLES 1-3. SHEETS 6-8 FOR PANEL SIZES & DESIGN PRESSURE.
2. PANEL TYPES NOT SHOWN OR CROSSED OFF ARE NOT REQUIRED FOR ANY CONFIGURATIONS AND ARE NOT AVAILABLE.
3. 90° ASTRAGALS TO USE HEAVY-DUTY STILES (#61). CORNER RECEIVER (#118) AND EITHER EXTERIOR (#119) OR INTERIOR (#120) CORNER ASTRAGALS.
4. 135° ASTRAGALS TO USE HEAVY-DUTY STILES (#61) AND CORNER ADDON (#31).



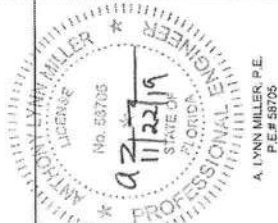
PANEL "E" SHOWN. SEE TABLE FOR OTHER PANEL TYPES AND APPLICABLE STILE/ASTRAGAL REQUIREMENTS.

SILL RISERS OPTIONS



NOT VALID FOR WATER INFILTRATION RESISTANCE REQUIREMENTS. SEE SHEETS 6-8

PRODUCT RENEWED
is complying with the Florida
Building Code
Acceptance No. 19-1126.03
Expiration Date 2/17/2025
By 156-1-16-16
Additional Data Product Control:

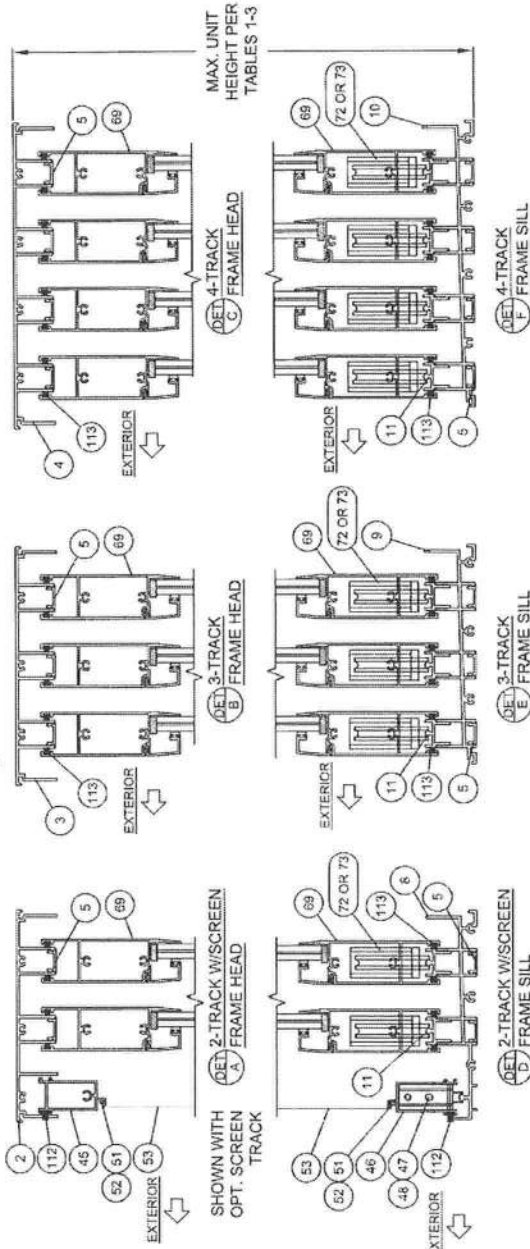


		PANEL TYPES	
770 TECHNOLOGY DRIVE N. VENICE, FL 34775 (847) 460-1500		Description: SERIES 770 ALUM. SGD - LM IMPACT Title:	
CERT. OF AUTH. #25286	Name/Address:	State:	Date:
	SGD-770	NTS	17 of 22
		Drawing No.	PGT0130
		Date:	C

Revised By JH	Date 04/01/2007	Revison C	NO CHANGES THIS SHEET.
------------------	--------------------	--------------	------------------------

Revised By JR	Date: 04/05/17	Revisions C	NO
Drawn By	Date:	Checked By	Field

(SEE SHEETS 12-14 FOR INSTALLATION DETAILS)

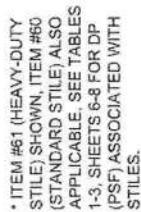


PRODUCT RENEWED
as complying with the Florida
Building Code
Acceptance No. 19-1126-03
Expiration Date 2/17/2015
By 166-716-11



Signed by JR	Date 04/05/17	C N	No Changes This Sheet.		
Signed by JR	Date 10/10/14	N C			
RGT					
10978 TECHNOLOGY DRIVE N. VENICE, FL 34275 (941) 460-1000 CENT. OF AUTH. #B2306					
VERTICAL SECTION DETAILS					
Type _____ Series 770 ALUM. SGD - LM IMPACT					
Serial Number	Grade	Type	Zipping, Yr.	File	
SGD-770	NTS	18"	- 22"	POTG0130	C

(SEE SHEETS 12-14 FOR FOR INSTALLATION DETAILS)



PRODUCT RENEWED
as complying with the Florida
Building Code
Acceptance No. 19-1126.03
Expiration Date 2-17-2025
By 66-9-166-1-
Miami Trade Product Control

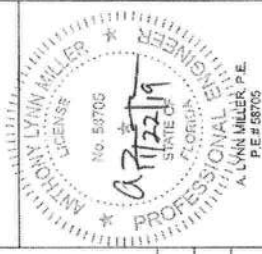


1070 TECHNOLOGY DRIVE N. VENICE, FL 34275 (841) 485-1600 CERT. OF AUTH. #62696				Dimensions HORIZONTAL SECTION DETAILS, CORNERS Title SERIES 770 ALUM. SGD - LM IMPACT				
Need By: JR Drawn By: JR	Revision: C Checked By: JR	NO CHANGES THIS SHEET. Date:		Series Number SGD-770	Scale NTS	Sheet 19 of 22	Drawing Size PG70130	Date C

- NOTES:
- 1) ALL ALUMINUM = 6063-T6
 - 2) ITEMS # 33-39, 56-59, 66, 76, 84-89, 121 & 122 ARE NOT USED AND ARE NOT PART OF THIS APPROVAL
 - 3) USE OF #12 OR #13 REQUIRES MIN. #10 SMS OR 3/16" MASONRY ANCHORS @ 24" MAX. O.C.

Item	PGT Dwg. #	PGT #	Description
60	17325	617325	PANEL STILE
61	17326	617326	PANEL STILE (HEAVY DUTY)
62	17327	617327	INTERLOCK ADAPTOR
63	1225	617348	VINYL BULB WSTP - THIN (INSIDE INTERLOCK)
64	17329	71729	SILL END WEATHERSTRIP PAD
65	17328	617328	INTERLOCK SCREW COVER
67	17329	617329	ASTRAGAL
68	17328	617338	HEAVY DUTY ASTRAGAL
69	17324	617324	TOP & BOTTOM RAIL
70	17350	417350	WEATHERSTRIP EXTENSION (INJECTION MOLDED)
71	1695	71695	1-1/2" X 1" X 3/4" HIGH FIN SEAL DUST PLUGS
72	8153	78153X	TANDEM ST. STL. ROLLER ASSY.
73	8153	78153N	TANDEM NYLON ROLLER ASSY.
74		SILICONE	DOW-889 DOW-995 OR GE-7700
75	8185	78185X	GEOMETRIC 3-PLY DUAL LOCK W/ LONG TRIM PLATE
76		71022XPPX	#10-32 X 1" FL. SS SCREW W/ TYPE "F" TP
77		7102238	10-32 STEEL ZINC UNUT
79	17357	617357	1" IG BEAD
80	17359	617359	7/16" BEAD / FIXED PANEL CLIP
81	17360	617360	9/16" BEAD
82	1224	617347K	VINYL BULB WEATHERSTRIP
83	61745	1745	LOWE INC. 1/2" X 1/16" SGL. SIDE ADH. TAPE, POLYETH.
100	8622	48622	ROLLER ADJ. HOLE PLUG
101		72687	JAMB BUMPER
102	1686	71686	DUST PLUG
103	8186	78186X	1" KEEPER
104	653	73DKEEP	SCREEN LOCK KEEPER
105	17344	617344	FIXED PANEL CLIP - 6" LONG
106	17352	617352	FIXED PANEL RETAINER - 9"16"
107	17339	71739	HANDLE KIT - INTERIOR RAISED WITH THUMB TURN
108	1740	71740	HANDLE KIT - RAISED EXTERIOR HANDLE
109	1731	781625N	HANDLE KIT - RECESSED INTERIOR WITH THUMB TURN
110	1732	78178	HANDLE KIT - RECESSED EXTERIOR PULL
111		710034PPSDAX	#10 X 3/4" PH. TEK - S.S.
112	1235	67516	WSTP - 270 X 170 X FIN SEAL
113	1712	64066	18" X 230" FINE SEAL
114		710015PPX	#10 X 1-1/2"
115		7100PPT	#10 X 1"
116		72001X	#14-20 X 1" S.S.
117		720012X	#14-20 X 1-1/2" S.S.
118	17356	617356	90 DEGREE CORNER RECEIVER
119	17337	617337	90 DEGREE OUTSIDE CORNER ASTRAGAL
120	17338	617338	90 DEGREE INSIDE CORNER ASTRAGAL
123	17352	617352	FIXED PANEL RETAINER, 7/8"

PRODUCT RENEWED
in compliance with the Florida
Architectural Code
Approval No. 19-1126-03
Expiration Date 2/17/2025
By: *[Signature]*
Michael Bledsoe Product Control





1070 TECHNOLOGY DRIVE
N. VENICE, FL 34275
(941) 480-1600
CENT. OF AUTH. #02636

PARTS LIST

SERIES 770 ALUM. SGD - LM IMPACT

SGD-770

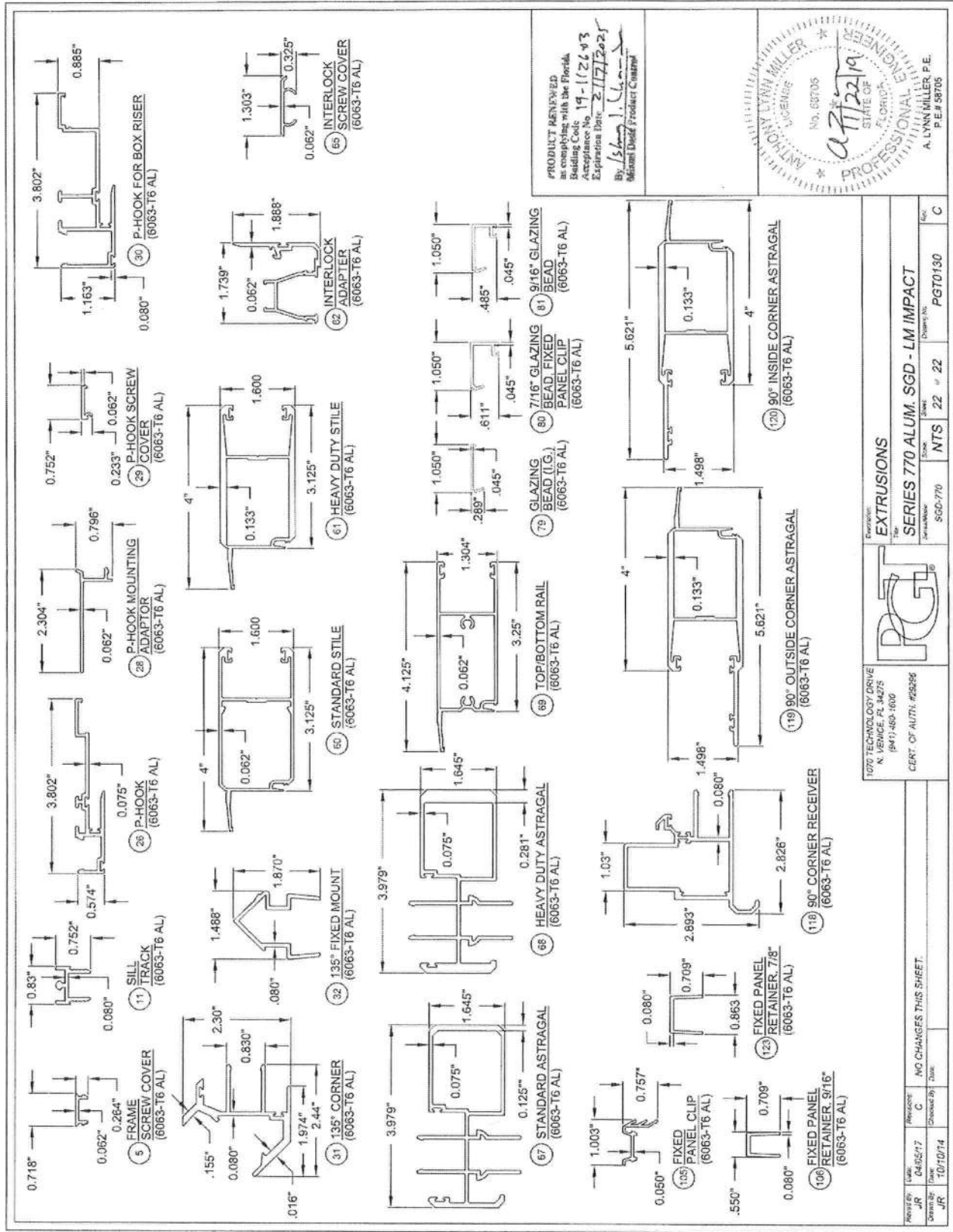
NTS 20 of 22

PGT0130

Item	PGT Dwg. #	PGT #	Description
1	17306	617306	2-TRACK HEAD
2	17303	617303	2-TRACK HEAD WITH SCREEN RAIL
3	17308	617308	3-TRACK HEAD
4	17312	617312	4-TRACK HEAD
5	17314	617314	FRAME SCREW COVER
6	17317	617317	FRAME HEAD/JAMB ADD-ON
7	17304	617304	2-TRACK SILL
8	17301	617301	2-TRACK SILL WITH SCREEN RAIL
9	17307	617307	3-TRACK SILL
10	17310	617310	4-TRACK SILL
11	17313	617313	FRAME SILL TRACK INSERT
12	17315	617315	FRAME SILL SCREEN ADD-ON (SEE NOTE 3)
13	17316	617316	FRAME SILL SCREEN END ADD-ON (SEE NOTE 3)
14	17305	617305	2-TRACK JAMB
15	17302	617302	2-TRACK JAMB WITH SCREEN RAIL
16	17308	617308	3-TRACK JAMB
17	17311	617311	4-TRACK JAMB
18	17322	617322	SILL RISER - FLAT, FLUSH, 1-1/2"
19	17319	617319	SILL RISER - BOX, FLUSH, 1-1/2"
20	17321	617321	SILL RISER - FLAT, LOW, 2-1/2"
21	17318	617318	SILL RISER - FLAT, MEDIUM, 3-1/4"
22	17355	617355	SILL RISER - BOX, LOW, 2-1/2"
23	17354	617354	SILL RISER - BOX, MEDIUM, 3-1/4"
24	17323	617323	SILL RISER - FLAT, HIGH, 4"
25	17320	617320	SILL RISER - BOX, HIGH, 4"
26	17333	617333	POCKET P-HOOK
27	7070	6070	NEOPRENE BULB WSTP FOR P-HOOK
28	17334	617334	POCKET P-HOOK MOUNT
29	17335	617335	P-HOOK COVER
30	17348	617348	POCKET P-HOOK FOR BOX RISER
31	17378	617378	135 CORNER
32	17376	617376	135 FIXED MOUNT
ITEMS 40-53 ARE SCREEN PARTS			
40	4319	612258	SCREEN SIDE RAIL - LOCKSTILE
41		7LOCKWGSK	SCREEN LOCKSET
42		41816	SCREEN KEEPER SPACER SET
43	8152	68152	SCREEN INTERLOCK ADAPTER
44	4428	64428	SCREEN DOUBLE INTERLOCK
45	4317	612556	SCREEN TOP RAIL
46	4318	612557	SCREEN BOTTOM RAIL
47	668	75RA2	STANDARD ROLLER
48	668	75RAK	SCREEN ASTRAGAL
49	4344	64344	OXO SCREEN ASTRAGAL ADAPTER
50	17349	617349	SCREEN SPLINE - 165"
51	1692	61692	SCREEN SPLINE - 165"
52	1694	61694	SCREEN CLOTH
53		61816C20	SCREEN CLOTH
54	1725		1/2" X 4" X 1/16" SET BLOCK, NEOPRENE BS +/-5
55	1726		1" X 4" X 1/16" SET BLOCK, NEOPRENE BS +/-5

NO CHANGES THIS SHEET.

Revised By: C
Date: 04/05/17
Checked By: JR
Date: 10/10/14



PRODUCT REVIEWED
 in compliance with the Florida
 Building Code
 Adopted by
 Approval No. 19-1126-03
 Expires on 2/17/2025
 By: *[Signature]*
 Michael David Product Counselor

A. LYNN MILLER P.E.
 No. 68705
 State of Florida
 Professional Engineer
 07/22/19

EXTRUSIONS SERIES 770 ALUM SGD - LM IMPACT			
1070 TECHNOLOGY DRIVE N. VENICE, FL 34275 (941) 485-1600 CERT. OF AUTH. #92966	PGI PROFESSIONAL GLASS & INSULATION	Example: SGL-770	Date: 22-22 Drawn By: NTS Check By: PG70130 Rev: C

NO CHANGES THIS SHEET.
 Date: 10/10/14
 Drawn By: JR
 Check By: JR