

DEPARTMENT OF REGULATORY AND ECONOMIC RESOURCES (RER)

BOARD AND CODE ADMINISTRATION DIVISION

MIAMI-DADE COUNTY PRODUCT CONTROL SECTION 11805 SW 26 Street, Room 208 Miami, Florida 33175-2474

T (786) 315-2590 F (786) 315-2599 www.miamidade.gov/building

NOTICE OF ACCEPTANCE (NOA)

Lawson Industries, Inc. 8501 NW 90 Street Medley, FL 33166

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 "4000 / 6000 (Flange & Fin Frame)" Aluminum Fixed Window - N.I.

APPROVAL DOCUMENT: Drawing No. L-4000 / 6000.01, titled "Series 4000 / 6000 Aluminum Fixed Windows", sheets 1 through 12 of 12, dated 11/01/17, with revision **H** dated 10/11/23, prepared by the manufacturer, signed and sealed by Thomas J. Sotos, 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: None

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 NOA No. 23-0314.03 and consists of this page 1 and evidence pages E-1, E-2 and E-3, as well as approval document mentioned above.

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



NOA No. 23-1017.10 **Expiration Date: May 08, 2028 Approval Date: November 16, 2023** Page 1

Lawson Industries, Inc.

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. 09-0825.09)
- 2. Drawing No. L-4000 / 6000.01, titled "Series 4000 / 6000 Aluminum Fixed Windows", sheets 1 through 12 of 12 dated 11/01/17, with revision G dated 08/10/20, prepared by manufacturer, and signed and sealed by Thomas J. Sotos, P.E. (Submitted under NOA No. 23-0314.03)

B. TESTS

- 1. Test report on: 1) Uniform Static Air Pressure Test, Loading 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-09-2604**, dated 08/14/09, signed and sealed by Candido F. Font, P.E.
- (Submitted under NOA No.09-0825.09)
 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 fixed window, prepared by Fenestration Testing Laboratory, Inc., Test Reports No. FTL-3619, dated 11/27/02 and FTL-3627 dated 11/27/02, signed and sealed by Joseph C. Chan, P.E. (Submitted under NOA No. 03-0128.06)
- 3. Test report on: 1) Uniform Static Air Pressure Test, Loading per FBC, TAS 202-94 along with marked-up drawings and installation diagram of an aluminum fixed window, prepared by Fenestration Testing Laboratory, Inc., Test Reports No.: FTL-3620, FTL-3621, FTL-3622, FTL-3623, FTL-3624, FTL-3625, FTL-3626, all dated 11/27/02, all signed and sealed by Joseph C. Chan, P.E. (Submitted under NOA No. 03-0128.06)

C. CALCULATIONS

- 1. Anchor verification calculations and structural analysis, complying with FBC, dated 08/15/09, prepared by manufacturer, signed and sealed by Thomas J. Sotos, P.E. (Submitted under NOA No. 09-0825.09)
- 2. Glazing complies with ASTM E1300-04/09

D. **OUALITY ASSURANCE**

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

Manuel Perez, P.E.
Product Control Examiner
NOA No. 23-1017.10

Expiration Date: May 08, 2028 Approval Date: November 16, 2023

Lawson Industries, Inc.

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

- 1. EVIDENCE SUBMITTED UNDER PREVIOUS NOA'S (CONTINUED)
- E. MATERIAL CERTIFICATIONS
 - 1. None.

F. STATEMENTS

- 1. Statement letter of conformance, complying with **FBC** 7th **Edition (2020)**, issued by manufacturer, dated March 08, 2023, signed and sealed by Thomas J. Sotos, P.E. (Submitted under NOA No. 23-0314.03)
- 2. Department of State Certification of LAWSON INDUSTRIES, INC. as a for profit corporation, active and organized under the laws of the State of Florida, dated 04/11/14 and filed at the Secretary of State.
 - (Submitted under NOA No. 14-0908.19)
- 3. Statement letter of no financial interest, dated 08/13/09, signed and sealed by Thomas J. Sotos, P.E.
 - (Submitted under NOA No. 09-0825.09)
- 4. Laboratory compliance letter for Test Report No. **HETI-09-2604**, dated 08/14/09, issued by Hurricane Engineering & Testing, Inc., signed and sealed by Candido F. Font, P.E.
 - (Submitted under NOA No.09-0825.09)
- 5. Laboratory compliance letter for Test Reports No.: FTL-3619, FTL-3620, FTL-3621, FTL-3622, FTL-3623, FTL-3624, FTL-3625, FTL-3626, FTL-3627, all dated 11/27/02, issued by Fenestration Testing Laboratory, Inc., and signed and sealed by Joseph C. Chan, P.E.
 - (Submitted under NOA No. 03-0128.06)

G. OTHERS

1. Notice of Acceptance No. **20-0814.08**, issued to Lawson Industries, Inc. for their Series "4000/6000 (Flange & Fin Frame)" Aluminum Fixed Window - N.I., approved on 10/15/20 and expiring on 05/08/23.

Manuel Pérez, P.E.
Product Control Examiner
NOA No. 23-1017.10

Expiration Date: May 08, 2028 Approval Date: November 16, 2023

Lawson Industries, Inc.

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

2. NEW EVIDENCE SUBMITTED

A. DRAWINGS

1. Drawing No. L-4000 / 6000.01, titled "Series 4000 / 6000 Aluminum Fixed Windows", sheets 1 through 12 of 12, dated 11/01/17, with revision **H** dated 10/11/23, prepared by manufacturer, and signed and sealed by Thomas J. Sotos, P.E.

B. TESTS

- 1. Test reports on: 1) Uniform Static Air Pressure Test, Loading per FBC, TAS 202-94
 - 2) Large Missile Impact Test per FBC, TAS 201-94
 - 3) Cyclic Wind Pressure Loading per FBC, TAS 203-94

along with marked-up drawings and installation diagram of a series SH-7700 aluminum single hung window and a series PW-4000/6000 aluminum fixed window, prepared by Hurricane Engineering & Testing, Inc., Test Reports No. **HETI-23-8049** and **HETI-23-8048**, both dated 07/24/23, signed and sealed by Ram N. Tewari, P.E.

C. CALCULATIONS

1. None.

D. QUALITY ASSURANCE

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

E. MATERIAL CERTIFICATIONS

1. None.

F. STATEMENTS

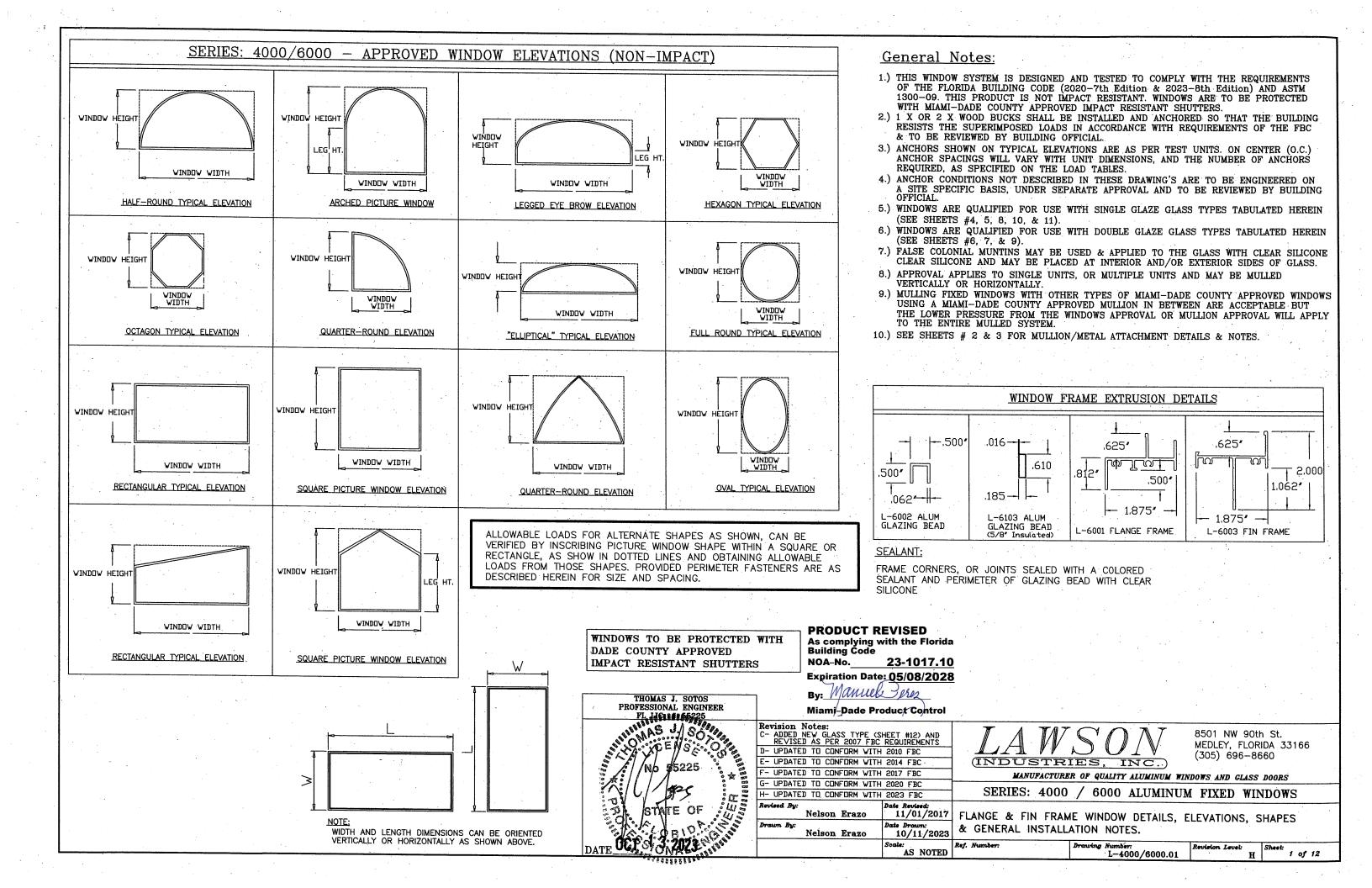
- 1. Statement letter of conformance, complying with **FBC 8th Edition (2023)**, dated October 13, 2023, issued by the manufacturer, signed and sealed by Thomas J. Sotos, P.E.
- 2. Statement letter of no financial interest, dated October 13, 2023, issued by the manufacturer, signed and sealed by Thomas J. Sotos, P.E.
- **3.** Proposal No. **23-0461R** issued by Product Control Section, dated June 13, 2023, and revised on June 16, 2023, signed by Manuel Perez, P.E.

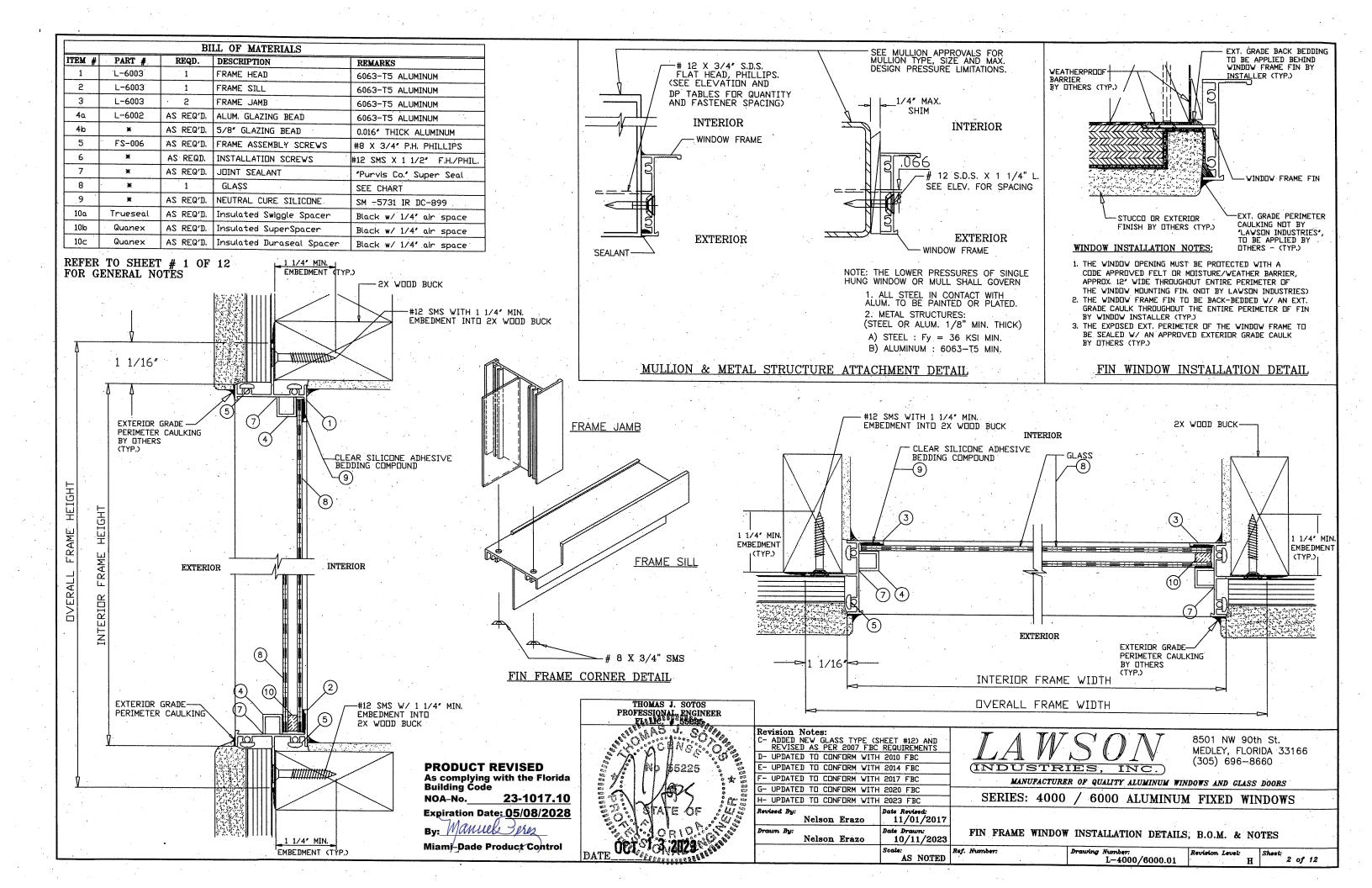
G. OTHERS

1. Notice of Acceptance No. **23-0314.03**, issued to Lawson Industries, Inc. for their Series "4000/6000 (Flange & Fin Frame)" Aluminum Fixed Window - N.I., approved on 04/06/23 and expiring on 05/08/28.

Manuel Perez, P.E. Product Control Examiner NOA No. 23-1017.10

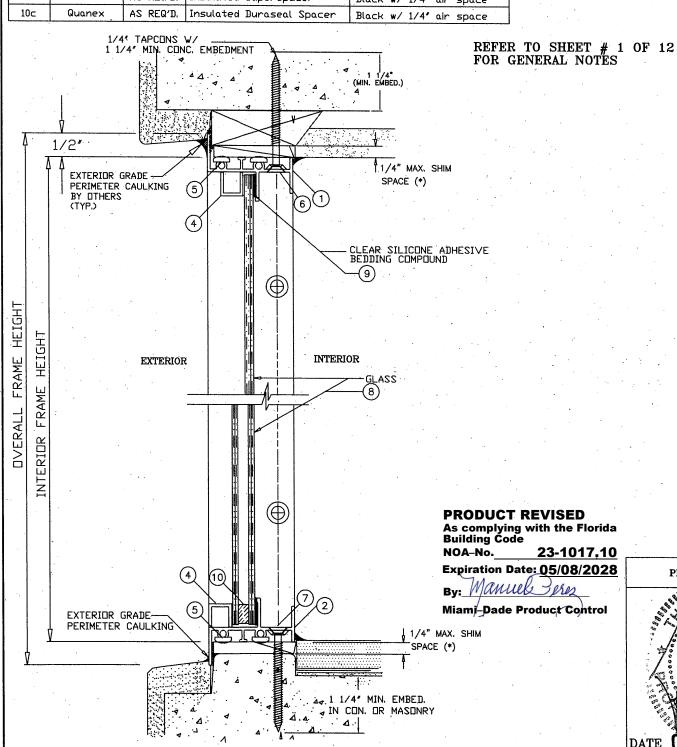
Expiration Date: May 08, 2028 Approval Date: November 16, 2023

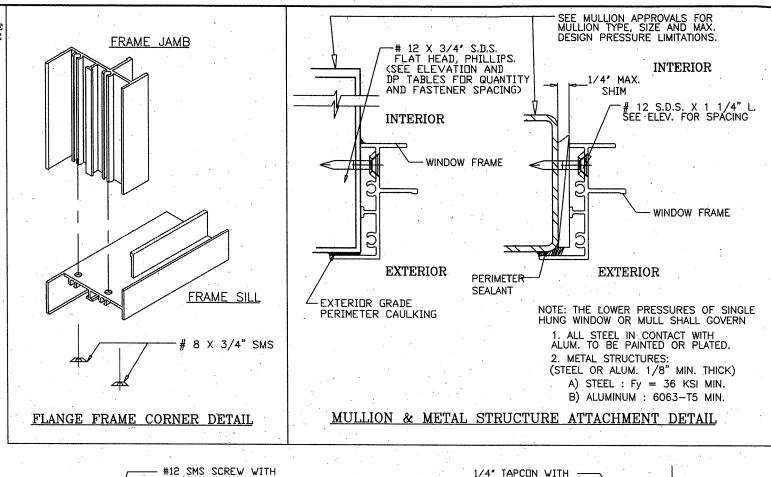


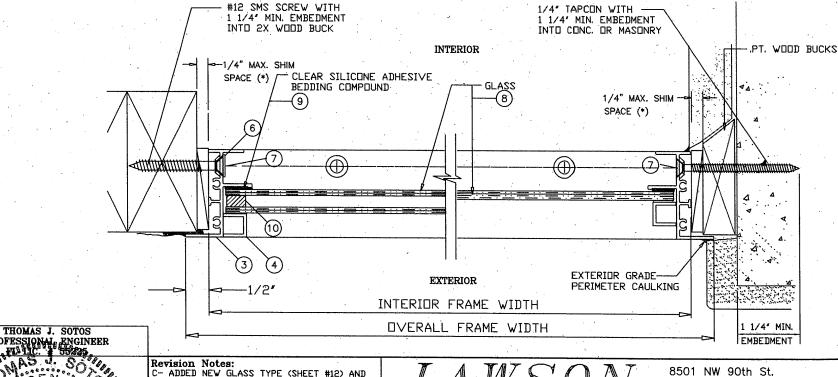


TEM #	PART #	REQD.	DESCRIPTION	REMARKS
1	L-6001	1	FRAME HEAD	6063-T5 ALUMINUM
2	L-6001	1	FRAME SILL	6063-T5 ALUMINUM
3	L-6001	2	FRAME JAMB	6063-T5 ALUMINUM
4a	L-6002	AS REQ'D.	ALUM. GLAZING BEAD	6063-T5 ALUMINUM
4b	*	AS REQ'D.	5/8' GLAZING BEAD	0.016' THICK ALUMINUM
5	FS-006	AS REQ'D.	FRAME ASSEMBLY SCREWS	#8 X 3/4' P.H. PHILLIPS
6	*	AS REQD.	INSTALLATION SCREWS	#12 SMS DR 1/4' TAPCON
7	*	AS REQ'D.	JDINT SEALANT	"Purvis Co." Super Seal
8	*	1	GLASS	SEE CHART
9	* .	AS REQ'D.	NEUTRAL CURE SILICONE	SM-5731 DR DC-899
10a	Trueseal	AS REQ'D.	Insulated Swiggle Spacer	Black w/ 1/4" air space
10b	Quanex	AS REQ'D.	Insulated SuperSpacer	Black w/ 1/4" air space
10⊂	Quanex .	AS REQ'D.	Insulated Duraseal Spacer	Black w/ 1/4" air space

(*) WHEN THE GAP BETWEEN THE WINDOW FRAME AND THE BUCK IS LESS THAN 1/8", SHIMS ARE NOT REQUIRED.







(INDUSTRIES, INC.)

MANUFACTURER OF QUALITY ALUMINUM WINDOWS AND GLASS DOORS

SERIES: 4000 / 6000 ALUMINUM FIXED WINDOWS

FLANGE FRAME WINDOW INSTALLATION DETAILS, B.O.M. & NOTES

L-4000/6000.01

MEDLEY, FLORIDA 33166

H

Sheet: 3 of 12

(305) 696-8660

C- ADDED NEW GLASS TYPE (SHEET #12) AND REVISED AS PER 2007 FBC REQUIREMENTS

UPDATED TO CONFORM WITH 2010 FBC

- UPDATED TO CONFORM WITH 2014 FBC

- UPDATED TO CONFORM WITH 2017 FBC

G- UPDATED TO CONFORM WITH 2020 FBC

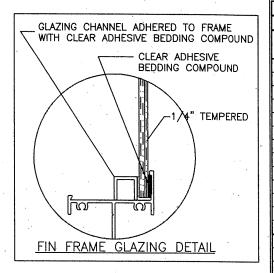
H- UPDATED TO CONFORM WITH 2023 FBC

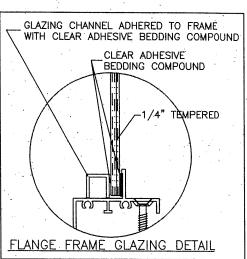
Nelson Erazo

Nelson Erazo

Date Revised: 11/01/2017

10/11/2023 Scale: AS NOTED





WINDOW COMPARATIVE ANALYSIS CHART FOR 1/4" TEMPERED								
Windo			RAME	DESIGN		 		
HEIGHT	WIDTH	QTY OF	AVG. ANCHOR	CAPACIT		l H		
INCHES	INCHES	ANCHORS	SPACING (IN)	POSITIVE	NEGATIVE			
24	18	10	8	100.0	100.0	l t		
36	18	14	7	100.0	100.0	l		
48	18	19	6	100.0	100.0	1 H		
60	18	23	6	100.0	100.0	l t		
72	18	28	6	100.0	100.0	l t		
84	18	32	6	100.0	100.0	lt		
96	18	. 37	6	100.0	100.0	lt		
108	18	41	6	100.0	100.0	l t		
120	18	46	6	100.0	100.0	l t		
132	18	50	6	100.0	100.0	lt		
144	18	55	. 5	100.0	100.0	lt		
148	18	57	5	100.0	100.0	lt		
156	18	60	5	100.0	100.0			
24	24	13	7	100.0	100.0	lt		
36	24	19	6	100.0	100.0			
48	24	25	5	100.0	100.0	lt		
60	. 24	31	5	100.0	100.0	ll		
. 72	24	37	5	100.0	100.0	ll		
84	24	43	. 5	100.0	100.0			
, 96	24	49	4	100.0	100.0	[
108	24	55	4	100.0	100.0	1 [
120	24	61	. 4	100.0	100.0			
132	24	67	4.	100.0	100.0] [
144	24	73	4	100.0	100.0	1 [
148	24	75	4	100.0	100.0			
156	24	79	4	100.0	100.0] [
24	30	16	6	100.0	100.0] [
36	30	23	5	100.0	100.0			
48	30	31	5	100.0	100.0			
60	30	38	4	100.0	100.0			
72	30	46	4	100.0	100.0] [
84	30	54	4	100.0	100.0] [
96	30	61	4	100.0	100.0] [
108	-30	69	4	100.0	100.0] [
120	30	76	3	100.0	100.0]]		
132	30	84	3	100.0	100.0]		
144	30	91	3	100.0	100.0]]		
148	30	94	3	100.0	100.0	1		

WIND	WINDOW COMPARATIVE ANALYSIS CHART FOR 1/4" TEMPERED						
Windo	w Size	FIN F	RAME	DESIGN	LOAD		
HEIGHT	WIDTH	QTY OF	AVG. ANCHOR	CAPACIT	Y - (PFS)		
INCHES	INCHES	ANCHORS	SPACING (IN)	POSITIVE	NEGATIVE		
24	36	19	6	100.0	100.0		
. 36	36	28	5	100.0	100.0		
48	36	37	4	100.0	100.0		
60	36	46	4	100.0	100.0		
72	36	55	3	100.0	100.0		
84	36	64	3	100.0	100.0		
96	36	73	3	100.0	100.0		
108	36	82	3	100.0	100.0		
120	36	91	3	100.0	100.0		
132	36	100	3	100.0	100.0		
144	36	110	3	100.0	100.0		
148	36	113	- 3	100.0	100.0		
156	36 ·	119	3	100.0	100.0		
24	48	25	5	100.0	100.0		
36	48	37	4	100.0	100.0		
48	48	49	3	100.0	100.0		
60	48	61	. 3	100.0	100.0		
72	48	73	3	100.0	100.0		
84	48	85	3	100.0	100.0		
96	48	97	2	100.0	100.0		
108	48	110	2	100.0	100.0		
120	48	113	2	93.1	93.1		
132	48	111	3	83.2	83.2		
144	48	114	3	78.3	78.3		
148	48	115	3	76.7	76.7		
156	48	ra a condition (California)					
24	60	31	5	100.0	100.0		
36	60	46	4	100.0	100.0		
48	60	61	3	100.0	100.0		
60	60	76	3	100.0	100.0		
72	60	91	2	100.0	100.0		
84	60	107	2	100.0	100.0		
96	.60	122	2	100.0	100.0		
108	60	137	2	100.0	100.0		
120	60	139	2	91.6	91.6		
132	60	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1					
144	60						
148	60						
156	60						

Windo	w Size	FIN FRAME		DESIGN	LOAD
HEIGHT	WIDTH	QTY OF	AVG. ANCHOR	CAPACIT	Y - (PFS)
INCHES	INCHES	ANCHORS	SPACING (IN)	POSITIVE	NEGATIVE
24	72	37	5	100.0	100.0
36	72	55	3	100.0	100.0
48	72	73	3	100.0	100.0
60	72	. 91	2	100.0	100.0
72	72	110	2	100.0	100.0
84	72	128	2	100.0	100.0
96		143	2	98.2	98.2
	72	143		90.2	90.2
108	72				
120	72				
132	72				
144	72				
148	72	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1		The board of the part of the p	
156	72		1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 -	- 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1	
24	84	43	5	100.0	100.0
36	84	64	3	100.0	100.0
48	84	85	3	100.0	100.0
60	84	107	2	100.0	100.0
72	84	128	2	100.0	100.0
84	84	149	2	100.0	100.0
96	84				
108	84				
120	84				
132	84		10.11.1.1.1.1.1.1.1.1.1.1.1.1.1.1.1.1.1		
144	84				
148	84				
156	84		iteritadories (sincipale) Strictionalis (sincipale) Signification (sincipale)	telis piasana (lipparitud)	l life i stanton i della i successione
19.125	26	11	8	100.0	100.0
26.5	26	15	7	100.0	100.0
37	26	21	6	100.0	100.0
53.125	26	30	5	100.0	100.0
19.125	38.375	16	7	100.0	100.0
26.5	38.375	22	5	100.0	100.0
37	38.375	30	5	100.0	100.0
53.125	38.375	43	4	100.0	100.0
19.125	50.625	21	6	100.0	100.0
26.5	50.625	29	5	100.0	100.0
37	50.625	40	4	100.0	100.0
53.125	50.625	57	3	100.0	100.0
19.125	58	24	6	100.0	100.0
26.5	58	33	5	100.0	100.0
37	58	46	4	100.0	100.0
53.125	58		<u> </u>		
		65	3	100.0	100.0
19.125	63	26	6	100.0	100.0
26.5	63	36	4	100.0	100.0
37	63	50	4	100.0	100.0
53.125	63	71	3	100.0	100.0
19.125	74.25	30	6	100.0	100.0
26.5	74.25	42	4	100.0	100.0
37	74.25	58	3	100.0	100.0
53.125	74.25	84	3	100.0	100.0
		· · · · · · · · · · · · · · · · · · ·	·		

WINDOW COMPARATIVE ANALYSIS CHART FOR 1/4" TEMPERED

FIN FRAME

DESIGN LOAD

WINDOW FRAME SIZE NOTE:

100.0

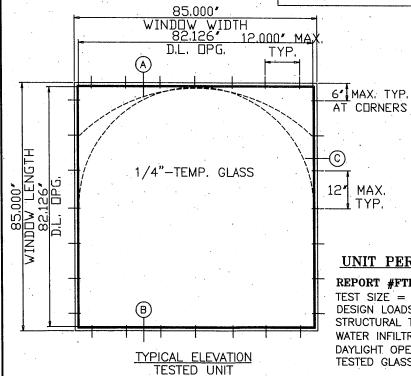
1. THE WINDOW SIZE SHOWN ON CHARTS ARE FOR THE FLANGE WINDOW EXTERIOR OVERALL DIMENSION.

100.0

2. ADD 1 1/8' TO THE FLANGE WINDOW SIZE TO DETERMINE THE FIN WINDOW EXTERIOR OVERALL DIMENSION.

FLANGE FRAME ANCHORS ARE TO BE SPACED NOT GREATER THAN 6" FROM EACH CORNER, AND NOT GREATER THAN 12" CENTER TO CENTER. FIN FRAME ANCHORS SPACED AS TABULATED ABOVE.

As complying with the Florida Building Code 23-1017.10 NOA-No. Expiration Date: 05/08/2028 THOMAS J. SOTOS Miami-Dade Product Control



UNIT PERFORMANCE DATA

REPORT #FTL-3619

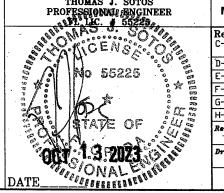
MAX.

TYP.

156

30

TEST SIZE = 85" wide X 85" hi (0) DESIGN LOADS = +104.0, -104.0 PSF (PA-202) STRUCTURAL TEST LOAD = +156.0, -156.0 PSF WATER INFILTRATION TEST = 18.0 PSF DAYLIGHT OPENING = 82 1/8" wide X 82 1/8" hi TESTED GLASS = 1/4" TEMPERED GLASS



Revision Notes: C- ADDED NEW GLASS TYPE (SHEET #12) AND REVISED AS PER 2007 FBC REQUIREMENTS - UPDATED TO CONFORM WITH 2010 FBC E- UPDATED TO CONFORM WITH 2014 FBC - UPDATED TO CONFORM WITH 2017 FBC G- UPDATED TO CONFORM WITH 2020 FBC H- UPDATED TO CONFORM WITH 2023 FBC

AS NOTED

11/01/2017 Nelson Erazo Nelson Erazo 10/11/2023

PRODUCT REVISED

INDUSTRIES, INC.

8501 NW 90th St. MEDLEY, FLORIDA 33166 (305) 696-8660

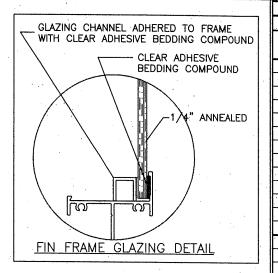
MANUFACTURER OF QUALITY ALUMINUM WINDOWS AND GLASS DOORS

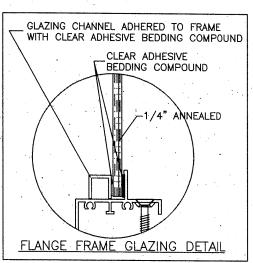
SERIES: 4000 / 6000 ALUMINUM FIXED WINDOWS

FIN/FLANGE FRAME WINDOW COMPARATIVE ANALYSIS & NOTES

1/4" TEMPERED GLASS

Drawing Number: L-4000/6000.01





60,000° WINDOW LENGTH 57,126° D.L. OPG.

60,000* WINDOW WIDTH 57.1267 18

1/4"- ANNEALED

TYPICAL ELEVATION TESTED UNIT

TYP,

WINDO	WINDOW COMPARATIVE ANALYSIS CHART FOR 1/4" ANNEALED						
Windo			RAME	DESIGN			
HEIGHT	WIDTH	QTY OF	AVG. ANCHOR	CAPACIT	Y - (PFS)		
INCHES	INCHES	ANCHORS	SPACING (IN)	POSITIVE	NEGATIVE		
24	18	10	. 8	100.0	100.0		
36	18	14	7	100.0	100.0		
48	18	18	7	97.2	97.2		
60	18	22	7	92.9	92.9		
72	18	25	7	90.3	90.3		
84	18	29	7	88.5	88.5		
96	18	32	7	87.2	87.2		
108	18	36	7	86.2	86.2		
120	18	39	7	85.4	85.4		
132	18	43	6 -	84.8	84.8		
144	18	46	7	84.3	84.3		
148	18	48	6	84.1	84.1		
156	18	50	6	83.8	83.8		
24	24	13	7	100.0	100.0		
36	24	17	7	88.9	88.9		
48	24	20	7	79.0	79.0		
60	24	23	. 7	74.1	74.1		
72	24	26	7	71.1	71.1		
84	24	30	7	69.1	69.1		
96	24	33	7	67.7	67.7		
108	24	37	7	66.7	66.7		
120	24	40	7	65.8	65.8		
132	24	44	7	65.2	65.2		
144	24	48	7	64.6	64.6		
148	24	49	7	64.5	64.5		
156	24						
24	30	15	7	98.8	98.8		
36	30	19	6	81.3	81.3		
48	30	21	7	68.9	68.9		
60	30	24	. 7	63.2	63.2		
72	30	28	7	59.9	59.9		
84	30	31	7	57.7	57.7		
96	30	34	7	55.4	55.4		
108 -	30	36	7	52.5	52.5		
120	30	39	. 7	51.2	51.2		
132	30	11.686					
144	30						
148	. 30 .				PERSON DOLLARS OF THE STATE OF		
156	30	ti da de la compania del compania de la compania de la compania del compania de la compania del compania de la compania de la compania del co		o in the second	0 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1		

WIND	OM COME	ADATIVE AN	AL VOIO OLIA	37 FOD 4/40 A				
	WINDOW COMPARATIVE ANALYSIS CHART FOR 1/4" ANNEALED Window Size FIN FRAME DESIGN LOAD							
				DESIGN				
HEIGHT	WIDTH	QTY OF	AVG. ANCHOR	CAPACIT	Y - (PFS)			
INCHES	INCHES	ANCHORS	SPACING (IN)	POSITIVE	NEGATIVE			
24	36	17	7	88.9	88.9			
36	.36	22	6	79.0	79.0			
48	36	23	. 7	63.2	63.2			
60	36	26	7	56.4	56.4			
72	36	28	7	50.1	50.1			
84	36	28	8	43.2	43.2			
96	36	29	9	39.5	39.5			
108	36		P01-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-					
120	36							
132 /	36							
144	36							
148	36			The control of the co				
156	36							
24	48	20	7	79.0	79.0			
36	48	23	7	63.2	63.2			
48	48	29	6	59.3	59.3			
60	48	30	7	49.4	49.4			
72	48	33	7	44.4	44.4			
84	48	Circles Albertaines						
96	48							
108	48							
120	48			ingellin ing palkalah sidual . Bada saman dalah saman				
132	48			Hoddy or 18: Single details in a second seco				
144	48							
148	48							
156	48							
24	60	23.	7	74.1	74.1			
36	60	26	7	56.4	56.4			
48	60	30	7	49.4	49.4			
60	60	36	6	47.4	47.4			
72	60		10: 10: 10: 10: 10: 10: 10: 10: 10: 10:		jänjih ji ji ji ji jaja ji ji ji ji ji ji Buli ja ja ji ju jelenati ji jaja ji			
84	60		Manual III	TOTAL TOTAL STATE OF THE STATE				
96	60							
108	60			High late a spring a second				
120	60							
132	60							
144	60							
148	60							
156	60							

HEIGHT WIDTH OTY OF AVG. ANCHOR CAPACITY - (PFS) NICHES NICHES ANCHORS SPACING (IN) POSITIVE NEGATIVE 24 72 26 7 71.1 71.1 36 72 28 7 50.1 50.1 50.1 48 72 33 7 44.4 44.4 44.4 60 72 72 72 72 72 72 72 7	HEIGHT	WIDTH	QTY OF	AVG. ANCHOR	CARACIT	V (DEG)
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48 72 33 7 44.4 44.4 60 72 72 72 72 72 72 72 72 72 72 72 73 72 73 74 7						
60 72 72 72 72 72 84 72 96 72 108 72 120 72 132 72 144 72 148 72 156 72 24 84 36 84 28 8 43.2 48 84 60 84 72 84 84 84 96 84 108 84 120 84 132 84 144 84 156 84 19.125 26 15 7 100.0 100.0 100.0 26.5 26 15 7 100.0 100.0 37 26 18 7 84.3 84.3 34.3 34.3 34.3 34.3 34.3						
72 72 84 72 96 72 108 72 120 72 132 72 144 72 156 72 24 84 36 84 28 8 48 84 60 84 72 84 84 84 96 84 108 84 120 84 132 84 144 84 156 84 120 84 132 84 144 84 148 84 19.125 26 11 8 10.0 100.0 26.5 26 15 7 70.0 100.0 26.5 38.375 16 7 19.125 38.375 18 7			33	. 7	44.4	44.4
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10.0					65.3	65.3
53.125 74.25					48.0	
	53.125	74.25				11 11 11 4-11 15 1-11

WINDOW COMPARATIVE ANALYSIS CHART FOR 1/4" ANNEALED

DESIGN LOAD

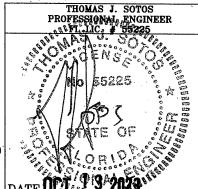
FIN FRAME

Window Size

WINDOW FRAME SIZE NOTE:

- 1. THE WINDOW SIZE SHOWN ON CHARTS ARE FOR THE FLANGE WINDOW EXTERIOR OVERALL DIMENSION.
- 2. ADD 1 1/8" TO THE FLANGE WINDOW SIZE TO DETERMINE THE FIN WINDOW EXTERIOR OVERALL DIMENSION.

FLANGE FRAME ANCHORS ARE TO BE SPACED NOT GREATER THAN 6" FROM EACH CORNER, AND NOT GREATER THAN 12" CENTER TO CENTER. FIN FRAME ANCHORS SPACED AS TABULATED ABOVE.



PRODUCT REVISED As complying with the Florida Building Code NOA-No. 23-1017.10

Expiration Date: 05/08/2028

Miami-Dade Product Control

UNIT PERFORMANCE DATA REPORT #FTL-3620

6" MAX. TYP. AT CORNERS

MAX.

TYP.

12"

TEST SIZE = 60" wide X 60" hi (0) DESIGN LOADS = +47.40, -47.40 PSF (PA-202) STRUCTURAL TEST LOAD = +71.10, -71.10 PSF WATER INFILTRATION TEST = 18.0 PSF @ #FTL-3619 DAYLIGHT OPENING = $57 \frac{1}{8}$ wide X $57 \frac{1}{8}$ hi TESTED GLASS = 1/4" ANNEALED GLASS

(INDUSTRIES, INC.)

8501 NW 90th St. MEDLEY, FLORIDA 33166 (305) 696-8660

Sheet: 5 of 12

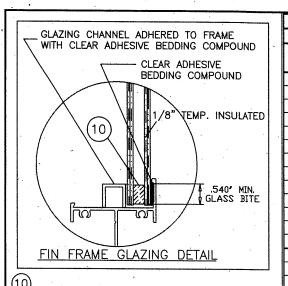
MANUFACTURER OF QUALITY ALUMINUM WINDOWS AND GLASS DOORS

SERIES: 4000 / 6000 ALUMINUM FIXED WINDOWS

L-4000/6000.01

FIN/FLANGE FRAME WINDOW COMPARATIVE ANALYSIS & NOTES 1/4" ANNEALED GLASS

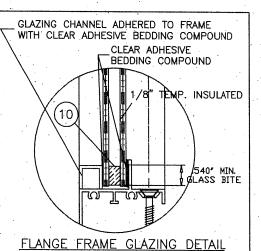
Revision Notes: C- ADDED NEW GLASS TYPE (SHEET #12) AND REVISED AS PER 2007 FBC REGUIREMENTS D- UPDATED TO CONFORM WITH 2010 FBC E- UPDATED TO CONFORM WITH 2014 FBC F- UPDATED TO CONFORM WITH 2017 FBC G- UPDATED TO CONFORM WITH 2020 FBC H- UPDATED TO CONFORM WITH 2023 FBC Revised By: Date Revised: 11/01/2017 Nelson Erazo Nelson Erazo 10/11/2023 Scale: AS NOTED



Insulated Spacer Types & Options

10a) "TrueSeal" Swiggle Seal "Quanex" SuperSpacer w/ Isomelt M

10c) "Quanex" Duraseal



WINDOW WIDTH 57.126' 17

D.L. OPG.

WINDOW	WINDOW COMPARATIVE ANALYSIS CHART FOR 1/8" TEMP. INSULATED					
	w Size		RAME	DESIGN LOAD		
HEIGHT	WIDTH	QTY OF	AVG. ANCHOR	CAPACIT		
INCHES	INCHES	ANCHORS	SPACING (IN)	POSITIVE	NEGATIVE	
24	18	10	8	100.0	100.0	
36	18	14	7	100.0	100.0	
48	18	19	6	100.0	100.0	
60	18	23	6	100.0	100.0	
72	18	28	6	100.0	100.0	
84	18	32	6	100.0	100.0	
96	18	37	6	100.0	100.0	
108	18	41	6	100.0	100.0	
120	18	46	. 6	100.0	100.0	
132	18					
144	18		10120 1003 100 110 110 110 110 110 110 110 1			
148	18					
156	18					
24	24	13	7	100.0	100.0	
36	24	19	6	100.0	100.0	
48	24	25	5	100.0	100.0	
60	24	31	5	100.0	100.0	
72	24	37	5	100.0	100.0	
84	24	43	5	100.0	100.0	
96	24	49	4	100.0	100.0	
108	24	55	4	100.0	100.0	
120	24	61	4	100.0	100.0	
132	24					
144	24					
148	24					
156	24					
24	30	16	6	100.0	100.0	
36	30	. 23	5	100.0	100.0	
48	30	31	5	100.0	100.0	
60	30	38	4	100.0	100.0	
72	30	46	4	100.0	100.0	
84	30	54	4	100.0	100,0	
96	30	61	4	100.0	100.0	
108	30	69	4	100.0	100.0	
120	30	76	3	100.0	100.0	
132	30					
144	30				Bullet - Properties Colored	
148 156	30 30					

WINDOW	NINDOW COMPARATIVE ANALYSIS CHART FOR 1/8" TEMP. INSULATED					
Windo	w Size	- FIN F	RAME	DESIGN	LOAD	
HEIGHT	WIDTH	QTY OF	AVG. ANCHOR	CAPACIT	Y - (PFS)	
INCHES	INCHES	ANCHORS	SPACING (IN)	POSITIVE	NEGATIVE	
24	36	19	6	100.0	100.0	
36	36	28	5	100.0	100.0	
48	36	37	4	100.0	100.0	
60	36	46	. 4	100.0	100.0	
72	36	55	3	100.0	100.0	
84	- 36	64	. 3	100.0	100.0	
96	36	73	3	100.0	100.0	
108	36					
120	36					
132	36					
144	36			Principal Control of the Control of		
148	. 36					
156	36					
24	48	25	5	100.0	100.0	
36	48	37	4	100.0	100.0	
48	48	49	3	100.0	100.0	
60	48	61	3	100.0	100.0	
72	48	73	3	100.0	100.0	
84	48	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1				
96 108	48 48					
120	48					
132	48					
144	48		Photographic sections of the section	10 000 produced by the control of th		
148	48		Tripote the second seco			
156	48					
24	60	31	5	100.0	100.0	
36	60	46	4	100.0	100.0	
48	60	61	3	100.0	100.0	
60	60	76	3	100.0	100.0	
72	60 -					
84	60		erra tabala interesta (peta bella 12 Peta 1911 Peta bella 191 1 Peta 1911 Peta 191	Marie de la companya		
. 96	60					
108	60		117 Personal State (1997)			
120	60					
132	60					
144	60					
148	60	ASTRONOMICS OF PROPERTY OF THE PROPERTY OF T				
156	60					
		Brassin(Betrint PARTIE)				

Windo	w Size	FIN F	RAME	DESIGN LOAD	
HEIGHT	WIDTH	QTY OF	AVG. ANCHOR	CAPACIT	
INCHES	INCHES	ANCHORS	SPACING (IN)	POSITIVE	NEGATIVE
24	72	37	5	100.0	100.0
36	72	. 55	3	100.0	100.0
48	72	73	3	100.0	100.0
60	72				
72	72				
84	72	ral rob popular recess		i i de la decembra por los litares de la composición del composición de la composición de la composición del composición de la composición del composición del composición del composición del composición del composición del compo	
96	72			1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	
108	72				
120	72				
132	72				
144	72				
148	72		1000		
156	72				
24	84	43	5	100.0	100.0
36	84	64	3	100.0	100.0
48	84				
60	84				
72	84				
84	84				
96	84				
108	84	The spinished library			
120	84				
132	84	lini aldu			
144	84				
148	84				
156	84				
19.125	26	11	8	100.0	100.0
26.5	. 26	15	7	100.0	100.0
37	26	21	6	100.0	100.0
53.125	26	30	5	100.0	100.0
19.125	38.375	16	. 7	100.0	100.0
26.5	38.375	22	5	100.0	100.0
37	38.375	30	5	100.0	100.0
53.125	38.375	43	4	100.0	100.0
19.125	50.625	21	6	100.0	100.0
26.5	50.625	29	5	100.0	100.0
. 37	50.625	40	4	100.0	100.0
53.125	50.625	57	3	100.0	100.0
19.125	58	24	6	100.0	100.0
26.5	58	33	5	100.0	100.0
37	58	46	4	100.0	100.0
53.125	58	65	3	100.0	100.0
19.125	63	26	6	100.0	100.0
26.5	63	36	4	100.0	100.0
37	63	50	4	100.0	100.0
53.125	63	71	3	100.0	100.0
19.125	74.25	30	6	100.0	100.0
26.5	74.25	42	4	100.0	100.0
37	74.25	58	3	100.0	100.0

WINDOW COMPARATIVE ANALYSIS CHART FOR 1/8" TEMP. INSULATED

WINDOW FRAME SIZE NOTE:

- 1. THE WINDOW SIZE SHOWN ON CHARTS ARE FOR THE FLANGE WINDOW EXTERIOR OVERALL DIMENSION.
- 2. ADD 1 1/8' TO THE FLANGE WINDOW SIZE TO DETERMINE THE FIN WINDOW EXTERIOR OVERALL DIMENSION.

FLANGE FRAME ANCHORS ARE TO BE SPACED NOT GREATER THAN 6" FROM EACH CORNER, AND NOT GREATER THAN 12" CENTER TO CENTER. FIN FRAME ANCHORS SPACED AS TABULATED ABOVE.

> THOMAS J. SOTOS PROFESSIONAL ENGINEER FLANCE #55225

Expiration Date: 05/08/2028

PRODUCT REVISED

NOA-No.

As complying with the Florida Building Code

23-1017.10

Miami-Dade Product Control Revision Notes: C- ADDED NEW GLASS TYPE (SHEET #12) AND REVISED AS PER 2007 FBC REQUIREMENTS D- UPDATED TO CONFORM WITH 2010 FBC E- UPDATED TO CONFORM WITH 2014 FBC - UPDATED TO CONFORM WITH 2017 FBC Nelson Erazo

(INDUSTRIES, INC.

53.125 74.25

8501 NW 90th St. MEDLEY, FLORIDA 33166 (305) 696-8660

MANUFACTURER OF QUALITY ALUMINUM WINDOWS AND GLASS DOORS

SERIES: 4000 / 6000 ALUMINUM FIXED WINDOWS

L-4000/6000.01

FIN/FLANGE FRAME WINDOW COMPARATIVE ANALYSIS & NOTES 1/2" INSULATED TEMPERED GLASS Sheet: 6 of 12

1/8" TEMP. INSULATED 121 MAX. TYP. TYPICAL ELEVATION TESTED UNIT

12.000" MAX

TYP.

UNIT PERFORMANCE DATA

REPORT #FTL-3621

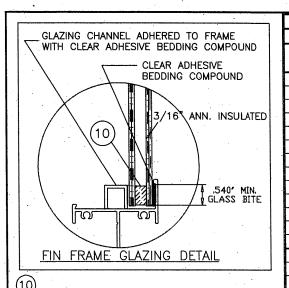
6" MAX, TYP.

AT CORNERS

TEST SIZE= 60" wide X 60" hi (0) DESIGN LOADS= +144.00, -144.00 PSF (PA-202) STRUCTURAL TEST LOAD= +216.00, -216.00 PSF WATER INFILTRATION TEST= 18.0 PSF @ #FTL-3619 DAYLIGHT OPENING= 57 1/8" wide X 57 1/8" hi TESTED GLASS= 1/8" TEMPERED GLASS

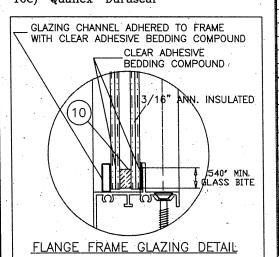
DOUBLE GLAZED INSULATED

G- UPDATED TO CONFORM WITH 2020 FBC - UPDATED TO CONFORM WITH 2023 FBC ate Revised: 11/01/2017 Date Drawn: 10/11/2023 Nelson Erazo AS NOTED



Insulated Spacer Types & Options 10a) "TrueSeal" Swiggle Seal

10b) "Quanex" SuperSpacer w/ Isomelt M 10c) "Quanex" Duraseal



3/16" ANN. INSULATED

TYPICAL ELEVATION

TESTED UNIT

TYPICAL ELEVATION

TESTED UNIT

10 LEIX 57.126

WINDOW	WINDOW COMPARATIVE ANALYSIS CHART FOR 3/16" ANN. INSULATED					
Windo	w Size	FIN F	RAME	DESIGN	LOAD	. [
HEIGHT	WIDTH	QTY [.] OF	AVG. ANCHOR	CAPACIT	Y - (PFS)	
INCHES	INCHES	ANCHORS	SPACING (IN)	POSITIVE	NEGATIVE	. 1
24	18	10	8	100.0	100.0	
. 36	18	14	7	100.0	100.0	
48	18	19	6	100.0	100.0	
60	18	23	6	100.0	. 100.0	[
72	18	28	6	100.0	100.0	
84	18	32	6	100.0	100.0	
96	18	37	6	100.0	100.0	
108	18	41	6	100.0	100.0	
120	18	46	6	100.0	100.0	
132	18	50	6	100.0	100.0	
144	18	55	5	100.0	100.0	
148	18	57	5	100.0	100.0	ll
156	18	60	5	100.0	100.0	
24	24	13	7	100.0	100.0	
36	24	19	6	100.0	100.0	
48	24	25	5	100.0	100.0	
. 60	24	31	5	100.0	100.0	
72	24	37	5	100.0	100.0	
84	24	43	5	99.0	99.0	
96	24	48	5	97.0	97.0	
108	24	53	4	95.5	95.5	
120	24	58	4	94.3	94.3	
132	24	63	4	93.4	93.4	
144	24	68	4	92.6	92.6]
148	24	70	4	92.4	92.4]
156	24					
24	30	16	6	100.0	100.0] .
36	30	23	5	100.0	100.0	1
48	30	30	5	98.8	98.8	1
60	30	35	5	90.5	90.5	`
72	30	37	5	80.9	80.9]
84	30	39	5	72.8	72.8	1
96	30	42	6	68.7	68.7	1
108	30	45	6	65.2	65.2	1
120	30	48	6	63.1	63.1]
132	30]
144	30			The state of the s		
148	30					
156	30					1

WINDOW COMPARATIVE ANALYSIS CHART FOR 3/16" ANN. INSULATED					
Windo	w Size	FIN F	RAME	DESIGN	LOAD
HEIGHT	WIDTH	QTY OF	AVG. ANCHOR	CAPACIT	Y - (PFS)
INCHES	INCHES	ANCHORS	SPACING (IN)	POSITIVE	NEGATIVE
24	36	19	6	100.0	100.0
36	36	28	- 5	100.0	100.0
48	36	33	5	90.5	90.5
60	36	37	5	80.8	80.8
72	36	39	5	70.8	70.8
84	36	37	6	58.0	58.0
96	36	38	6	50.9	50.9
108	36				
120	36				
132	36				and the second of the second o
144	36				
148	36	1 - 681 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 -			
156	36				
24	48	25	5	100.0	100.0
36	48	- 33	5	90.5	90.5
48	48	42	4	84.9	84.9
60	48	43	5	70.7	70.7
72	48	47	5	63.7	63.7
84	48			The state of the s	
96	48				
108	48	1 (1) (1) (1) (1) (1) (1) (1) (1) (1) (1	0 (10 1) 1 (1)		
120	48				
132	48		Page to be the page of the latest and the latest an		
144	48				
148	48				
156	48				
24	60	31	5	100.0	100.0
36	60	. 37	5	80.8	80.8
48	60	43	5	70.7	70.7
60	60	52	4	67.9	67.9
72	60				
84	60				
96	60				
108	60				
120	60				
132	60				
144	60				
148	60				
156	60				
			- Company of the Comp		

36	36	28	5	100.0	. 100.0
48	36	33	5	90.5	90.5
60	36	37	5	80.8	80.8
72	36	39	5	70.8	70.8
84	36	37	6	58.0	58.0
96	36	38	6	50.9	50.9
108	36			ricoli, le thabet i le remajori.	
120	36				
132	36				
144	36				
148	36				
156	36				
24	48	25	5	100.0	100.0
36	48	33	5	90.5	90.5
48	48	42	4	84.9	84.9
60	48	43	5	70.7	70.7
72	48	47	5	63.7	63.7
84	48			A Table to the state of the sta	
96	48			Total Acquired the control of the co	
108	48	2 (1984)	e de la casa de la cas	List The part is a second as	
120	48				a produce the production of th
132	48				
144	48	i i libilitar i el locar el inco i Algano filas la regiona de de i de de contrata de la regiona de de			1111 (49) (41) (42)
148	48	1000000 100000000000000000000000000000	1 10 3 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1		
156	48				
24	60	31	5	100.0	100.0
36 .	60	. 37	5	80.8	80.8
48	60	43	5	70.7	70.7
60	60	52	4	67.9	67.9
72	60				
84	60				
96	60				
108	60				
120	60	Periodical Control of the Control of Control			
132	60	A liquid to entra la best in the fill of the control of the contro			
144	60	Lipinili, jili liiki Lipinili, ku ili liiki Lipinili, jili liiki			
148	60				
156	60				

WINDOW FRAME SIZE NOTE:

6" MAX. TYP.

AT CORNERS

121 MAX.

Ł TYP.

- 1. THE WINDOW SIZE SHOWN ON CHARTS ARE FOR THE FLANGE WINDOW EXTERIOR OVERALL DIMENSION.
- 2. ADD 1 1/8" TO THE FLANGE WINDOW SIZE TO DETERMINE THE FIN WINDOW EXTERIOR OVERALL DIMENSION.

FLANGE FRAME ANCHORS ARE TO BE SPACED NOT GREATER THAN 6" FROM EACH CORNER, AND NOT GREATER THAN 12" CENTER TO CENTER. FIN FRAME ANCHORS SPACED AS TABULATED ABOVE.

PRODUCT REVISED As complying with the Florida **Building Code** 23-1017.10 NOA-No.

Expiration Date: 05/08/2028 By: Manuel Peres

Miami-Dade Product Control

UNIT PERFORMANCE DATA REPORT #FTL-3622 TEST SIZE = 60" wide X 60" hi (0) DESIGN LOADS = +67.90, -67.90 PSF (PA-202 STRUCTURAL TEST LOAD = +101.9, -101.9 PSF WATER INFILTRATION TEST = 18.0 PSF @ #FTL-36 DAYLIGHT OPENING = 57.1/8" wide X 57.1/8". TESTED GLASS = 3/16" ANNEALED GLASS

DOUBLE GLAZED INSULATED

(INDUSTRIES, INC.

8501 NW 90th St. MEDLEY, FLORIDA 33166 (305) 696-8660

WINDOW COMPARATIVE ANALYSIS CHART FOR 3/16" ANN. INSULATED

AVG. ANCHOR

SPACING (IN)

5

6

6

5

5

5

5

5

4

5

5

4

5

5

5

5

FIN FRAME

QTY OF

ANCHORS

37

39

47

43 37

11

15

21

30

16

22

30

36

21

29

35

44

24

33

.37

46

26

35

39

47

30

39

40

Window Size

WIDTH

INCHES

72

72

72

72

72

72 72

72

72

72 72

72

72

84

84

84

84

84

84

84

84

84

84

84

84

84

26

26

26

26

38.375

38.375

38.375

38.375

50.625

50.625

50.625

50.625

58

58

58

58

63

63

63

63

74.25

74.25

74.25

HEIGH¹

INCHES

24

36

48

60

72

84

96 108

120

132

144 148

156

24

36

48

60

72

84

96

108

120

132

144

148

156

19,125

26.5

37

53.125

19.125

26.5

37

53.125

19.125

26.5

37

53.125

19.125

26.5

37

53.125

19.125

26.5

37

53.125

19.125

26.5

37

53.125 74.25

DESIGN LOAD

CAPACITY - (PFS)

NEGATIVE

100.0

70.8

63.7

99.0

58.0

100.0

100.0

100.0

100.0

100.0 100.0

100.0

83.1

100.0

100.0

86.8

76.9

100.0

99.6

80.8

70.7

100.0

97.3

77.9

66.3

100.0

93.6

68.3

POSITIVE

100.0

70.8

63.7

99.0

58.0

100.0

100.0

100.0

100.0

100.0

100.0

100.0

83.1

100.0

100.0

86.8

76.9

100.0

99.6

80.8

70.7

100.0

97.3

77.9

66.3

100.0

93.6

68.3

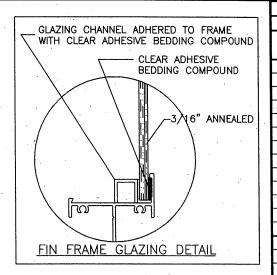
L-4000/6000.01

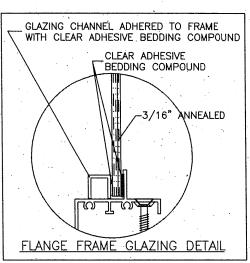
FIN/FLANGE FRAME WINDOW COMPARATIVE ANALYSIS & NOTES 5/8" INSULATED ANNEALED GLASS

Revision Notes: ADDED NEW GLASS TYPE (SHEET #12) AND REVISED AS PER 2007 FBC REQUIREMENTS - UPDATED TO CONFORM WITH 2010 FBC - UPDATED TO CONFORM WITH 2014 FBC - UPDATED TO CONFORM WITH 2017 FBC - UPDATED TO CONFORM WITH 2020 FBC - UPDATED TO CONFORM WITH 2023 FBC Date Revised: 11/01/2017 Nelson Erazo Date Drawn 10/11/2023 Nelson Erazo Ref. Number: Scale: AS NOTED

		THOMAS J. SOTOS	
	1	PROFESSIONAL ENGINEER	
		FL LIC.: # :55225	
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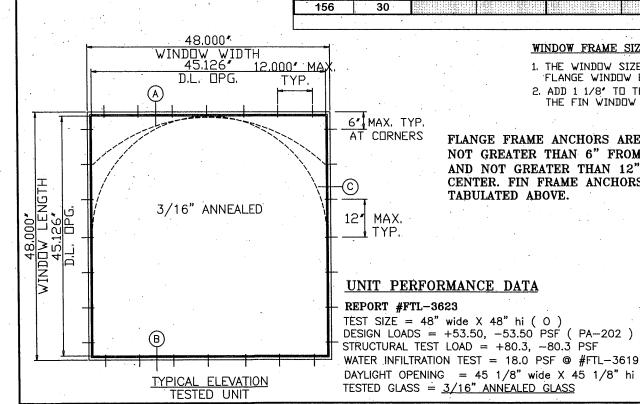
MANUFACTURER OF QUALITY ALUMINUM WINDOWS AND GLASS DOORS SERIES: 4000 / 6000 ALUMINUM FIXED WINDOWS Sheet: 7 of 12





WINDO	W COMPA	RATIVE ANA	LYSIS CHAR	T FOR 3/16" A	INEALED	
Windo	w Size	FIN F	RAME	DESIGN LOAD		
HEIGHT	WIDTH	QTY OF	AVG. ANCHOŔ	CAPACIT	Y - (PFS)	
INCHES	INCHES	ANCHORS	SPACING (IN)	POSITIVE	NEGATIVE	
24	18	10	8	100.0	100.0	
36	18	13	8	95.1	95.1	
48	18	16	8	87.8	87.8	
60 ⁻	18	20	7	83.9	83.9	
72	18	23	7	81.5	81.5	
84	18	26	7	79.9	79.9	
96	18	29	7	78.7	78.7	
108	18	32	7	77.8	77.8	
120	18	36	7	77.1	77.1	
132	18					
144	18					
148	18					
156	18					
- 24	24	13	7	100.0	100.0	
36	24	15	8.	80.3	80.3	
48	24	18	8	71.3	71.3	
60	24	21	8	66.9	66.9	
72	24	24	8	64.2	64.2	
84	24	27	8	62.4	62.4	
96	24	30	. 8	61.0	61.0	
108	24					
120	24					
132	24					
144	24					
148	24					
156	24	1000 1511-1-11000-1-121		eriori i eriori eriori della della constitucioni		
.24	30	14	7	89.2	89.2	
36	30	17	7	73.4	73.4	
48	30	19	8	62.3	62.3	
60	30	21	8	54.1	54.1	
72	30	21	9	45.0	45.0	
84	30	asama ana dalah				
96	30	1000				
108	30			1000		
120	30					
132	30	. destrict the second				
144	30					
148	. 30					

WINDO	OW COMPA	RATIVE ANA	LYSIS CHAR	T FOR 3/16" A	NNEALED
Windo	w Size	FIN F	AME DESIGN LOAD		
HEIGHT	WIDTH	QTY OF	AVG. ANCHOR	CAPACIT	Y - (PFS)
INCHES	INCHES	ANCHORS	SPACING (IN)	POSITIVE	NEGATIVE
24	36	15	8	80.3	80.3
- 36	36	20	7	71.3	71.3
48	36	.21	8	57.1	57.1
60	- 36	23	8	50.0	50.0
72	36	1646.1.1.4.1.1.4.1.1.1.1.1.1.1.1.1.1.1.1	Capacita de la capacita del capacita del capacita de la capacita del la capacita de la capacita	Libertini di Contratti	
84	36	TOTAL TOTAL CONTRACTOR			The second secon
96	36				
108	36	10-00-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1	1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 -		
120	36				
132	36				
144	36				
148	36				
156	36			1.16-63	diction (1) 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
24	48	18	8	71.3	71.3
36	48	21	- 8	57.1	57.1
48	48	26	7	53.5	53.5
60	48				
72	48				
84	48			indicare in including the in-	
96	48	Head of the second of the seco			
108	48	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1		re disalle i con estado e e e e e e e e e e e e e e e e e e e	
120	48	1 - 0 - 0 - 0 - 0 - 0 - 0 - 0 - 0 - 0 -	is a real basis of a train of a displaying to		
132	48				
144	48				
148	. 48		li i i più i i i i i i i i i i i i i i i		
. 156	48				
24	60	21	8	66.9	66.9
36	60	23	8	50.0	50.0
48	60				
60	60	Albert Harrist Briston	1		
72	60	10 20 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1		Takata takata takata ta	And the control of th
84	60	1 1 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2			
96	60				
108	60				
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132	60	- Handister on the state of the			
144	60	THE PARTY OF THE P		I I I I I I I I I I I I I I I I I I I	
148	60				
156	60	andreligne in this in a			



WINDOW FRAME SIZE NOTE:

- 1. THE WINDOW SIZE SHOWN ON CHARTS ARE FOR THE FLANGE WINDOW EXTERIOR OVERALL DIMENSION.
- 2. ADD 1 1/8' TO THE FLANGE WINDOW SIZE TO DETERMINE THE FIN WINDOW EXTERIOR OVERALL DIMENSION.

FLANGE FRAME ANCHORS ARE TO BE SPACED NOT GREATER THAN 6" FROM EACH CORNER, AND NOT GREATER THAN 12" CENTER TO CENTER. FIN FRAME ANCHORS SPACED AS TABULATED ABOVE.

PRODUCT REVISED As complying with the Florida **Building Code** NOA-No. 23-1017.10

Expiration Date: 05/08/2028 By: Manuel Peres

THOMAS J. SOTOS
PROFESSIONAL ENGINEER
FL LIGHT 55226 100 No 55225 STATE OF DATE

INDUSTRIES, INC.

8501 NW 90th St. MEDLEY, FLORIDA 33166 (305) 696-8660

MANUFACTURER OF QUALITY ALUMINUM WINDOWS AND GLASS DOORS

SERIES: 4000 / 6000 ALUMINUM FIXED WINDOWS

L-4000/6000.01

WINDOW COMPARATIVE ANALYSIS CHART FOR 3/16" ANNEALED FIN FRAME

AVG. ANCHOR

SPACING (IN)

QTY OF

ANCHORS

27

11

15

16

20

14

16

21

23

17

19

22

19

21

24

21

22

24

23

8

8

8

CAPACITY - (PFS)

POSITIVE | NEGATIVE

64.2

641 - 12 1 - 121 0414 641 - 1412 | 1412 1414 641 - 1212 | 1414 1414 1414 1414 1414

62.4

100.0

96.9

76.1

65.4 89.4

74.0

67.0 52.4

82.8

65.6

54.7

80.4

62.8

51.0

79.2

59.9

77.1

54.5

8 of 12

64.2

62.4

100.0

96.9

76.1

65.4

89.4

74.0

67.0

52.4

82.8

65.6

54.7

80.4

62.8

51.0

79.2

59.9

77.1

54.5

Window Size

24

36 48

60

72

84 96

108

120

132

144

148

156

24

36

48

60

72

84

96

108

120

132

144

148

156

19.125

26.5

37

53.125

19.125

26.5

37

53.125

19.125

26.5

37

53.125

19.125

26.5

37

53.125

19.125

26.5

37

53.125

19.125

26.5

37

53.125

WIDTH

INCHES

72

72

72

72

72 72

72

72

72

72

72

72

72

84

84

84

84

84

84

84

84

84

84

84

84

84

26

.26

26

26

38.375

38.375

38.375

38.375

50.625

50.625

50.625

50.625

58

58

58

63

63

63

63

74.25

74.25

74.25

74.25

FIN/FLANGE FRAME WINDOW COMPARATIVE ANALYSIS & NOTES

3/16" ANNEALED GLASS Ref. Number:

Miami-Dade Product Control

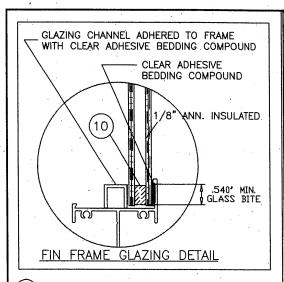
Nelson Erazo

Date Revised: 11/01/2017

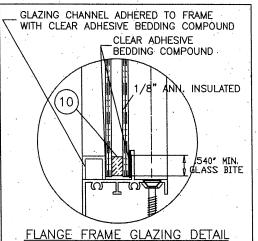
10/11/2023

Scale:
AS NOTED

Revision Notes: C- ADDED NEW GLASS TYPE (SHEET #12) AND REVISED AS PER 2007 FBC REQUIREMENTS D- UPDATED TO CONFORM WITH 2010 FBC E- UPDATED TO CONFORM WITH 2014 FBC - UPDATED TO CONFORM WITH 2017 FBC G- UPDATED TO CONFORM WITH 2020 FBC TH- UPDATED TO CONFORM WITH 2023 FBC



Insulated Spacer Types & Options 10a) "TrueSeal" Swiggle Seal 10b) "Quanex" SuperSpacer w/ Isomelt M 10c) "Quanex" Duraseal



WINDOW	COMPARA	ATIVE ANALY	SIS CHART F	OR 1/8" ANN.	INSULATED	
Windo			RAME	DESIGN LOAD		
HEIGHT	WIDTH	QTY OF	AVG. ANCHOR	CAPACIT	Y - (PFS)	
INCHES	INCHES	ANCHORS	SPACING (IN)	POSITIVE	NEGATIVE	
24	18	10	8	100.0	100.0	
36	18	14	7	96.0	96.0	
48	18	17	7	88.6	88.6	
60	18	20	7	84.7	84.7	
72	18	23	7	82.3	82.3	
84	18	26	. 7	80.6	80.6	
96	18	29	7	79.4	79.4	
108	18	33	7	78.5	78.5	
120	18	36	7	77.8	77.8	
132	18	4641 1914 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1				
144	18					
148	18	Petricial in the petricial section of the section o				
156	18					
24	24	13	7.	100.0	100.0	
36	. 24	15	. 8	81.0	81.0	
48	24	18	8	72.0	72.0	
60	24	19	8	62.7	62.7	
72	24	20	9	52.4	52.4	
84	24	21	10	47.8	47.8	
96	24	23	10	45.5	45.5	
108	24	Howard and the state of the sta		Maria de la composición del composición de la composición del composición de la comp		
120	. 24	Petron in the state of the				
132	24	Applications and the second				
144	24	4001 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1	10 de 12 de			
148	24					
156	24					
24	30	14	7	90.0	90.0	
36	30	17	7	74.1	74.1	
48 60	30	20	7	62.8	62.8	
	30	22	8	57.6	57.6	
72	30	21	9	45.2	45.2	
84	30					
96 108	30	P. S				
120 132	30			Catalita de Ca O catalita de		
		again an				
144 148	30					
156	30					
150	30					

WINDOW	COMPAR	ATIVE ANAL	YSIS CHART F	OR 1/8" ANN	INSULATED	WINDOW	COMPAR	ATIVE ANAL	YSIS CHART I	OR 1/8" ANN.	INSULATED
	w Size		RAME	DESIGN			w Size		RAME	DESIGN	
HEIGHT	WIDTH		AVG. ANCHOR		Y - (PFS)	HEIGHT	WIDTH	QTY OF	AVG. ANCHOR	CAPACIT	Y - (PFS)
INCHES	INCHES	ANCHORS	SPACING (IN)	POSITIVE	NEGATIVE	INCHES	INCHES	ANCHORS	SPACING (IN)	POSITIVE	NEGATIVE
24	36	15	8	81.0	81.0	24	72	20	9. `	52.4	52.4
36	36	20	7.	72.0	72.0	36	72				
48	36	21	8	57.6	57.6	48	72		200		
60	36	24	8	51.4	51.4	60	72			1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	
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84	36					84	72			1000	
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144	36					144	72				
148	36	The state of the s				148	72				tribed to the research to the bill
156	36					156	72	apriorit conservation		to late the property of the spots of an angle of the spots of the spot	
24	48	18	8	72.0	72.0	24	84	21	10	47.8	47.8
36	48	21	8	57.6	57.6	36	84				
48	48	27	. 7	54.0	54.0	48	84				
60	48		Selicio de la compansión de la compansió			60	84				
72	48					72	84				
84	48					84	. 84				
96	48				Participation of the participa	96	84				
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148	48					148	84			i de la completa de La completa de la completa del completa de la completa del completa de la completa del completa de la completa del completa de la completa del	
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24	60	19	8	62.7	62.7	19.125	26	11	8	100.0	100.0
36 48	60 60	24	8	51.4	51.4	26.5	26	15	7	97.8	97.8
60	60					37	26	16	7	76.8	76.8
						53.125	26	20	7	66.0	66.0
72	60	110 - 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1				19.125	38.375	14	8	90.3	90.3
84 96	60	2111111111111111111111				26.5	38.375	16	8	74.7	74.7
		11 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1				37	38.375	21	7	67.6	67.6
108	60	10.14.0.1.10.0.1.1.1.1.1.1.1.1.1.1.1.1.1				53.125	38.375	23	7	52.9	52.9
120 132	60	In the second se				19.125	50.625	18	7	83.5	83.5
		reserve a separate a second				26.5	50.625	19	8	66.2	66.2
144	60					37	50.625	22	7	55.2	55.2
156	60					53.125	50.625		_		Transport to the second
150	J 60.	The second secon				19.125	58 58	19	8	81.1 63.3	81.1

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IVE	INCHES	INCHES	ANCHORS			
	24	72	20			
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	60	72				
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110000012	156	72				
	24	84	21			
	36	84				
271/22/27/27	48	84				
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	108	84	MENTS COLUMN COLUMN			
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	132	84				
	144	84				
	148	84				
	156	84	Hilliani			
-	19.125	26	11			
	26.5	26	15			
	37	26	16			
	53.125	26	20			
	19.125	38.375	14			
	26.5	38.375	16			
	52.425	38.375	21			
tariagaleta Tariagaleta	53.125 19.125	38.375				
113162PL(11 114168BL[11		50.625	18			
in inspired Lineagh in i	26.5	50.625	19			
eriophiae Tribaliae	37 53.125	50.625 50.625	22			
a militari sa i	19.125	58	19			
-	26.5	58	21			
	52.425	58	24			
	53.125	58				
	19.125	63	21			

26.5

37

53.125

19.125

26.5

37

53.125

	D.L. OPG. TYP.	
-		6' MAX. TYP. AT CORNERS
18.000* 10 LENGTH 15.126* 1. DPG.	1/8" ANN. INSULATED	12 MAX. TYP.

TYPICAL ELEVATION

TESTED UNIT

12.000" MAX

WINDOW WIDTH 45.126" 1

WINDOW FRAME SIZE NOTE:

- 1. THE WINDOW SIZE SHOWN ON CHARTS ARE FOR THE FLANGE WINDOW EXTERIOR OVERALL DIMENSION.
- 2. ADD 1 1/8' TO THE FLANGE WINDOW SIZE TO DETERMINE THE FIN WINDOW EXTERIOR OVERALL DIMENSION.

FLANGE FRAME ANCHORS ARE TO BE SPACED NOT GREATER THAN 6" FROM EACH CORNER, AND NOT GREATER THAN 12" CENTER TO CENTER. FIN FRAME ANCHORS SPACED AS TABULATED ABOVE.

NOA-No. 23-1017.10 Expiration Date: 05/08/2028 THOMAS J. SOTOS

UNIT PERFORMANCE DATA REPORT #FTL-3625

TEST SIZE = 48" wide X 48" hi (0) DESIGN LOADS = +54.00, -54.00 PSF (PA-202) STRUCTURAL TEST LOAD = +81.00, -81.00 PSF WATER INFILTRATION TEST = 18.0 PSF @ #FTL-3619 DAYLIGHT OPENING = $45 \frac{1}{8}$ wide X $45 \frac{1}{8}$ hi TESTED GLASS = 1/8" ANNEALED GLASS

DOUBLE GLAZED INSULATED

FL LIGHT RESERVE PROFESSIONAL ENGINEER ON S. J. SOX STATE OF

Miami-Dade Product Control Revision Notes: C- ADDED NEW GLASS TYPE (SHEET #12) AND REVISED AS PER 2007 FBC REQUIREMENTS

PRODUCT REVISED

Building Code

As complying with the Florida

- UPDATED TO CONFORM WITH 2010 FBC - UPDATED TO CONFORM WITH 2014 FBC - UPDATED TO CONFORM WITH 2017 FBC - UPDATED TO CONFORM WITH 2020 FBC H- UPDATED TO CONFORM WITH 2023 FBC

11/01/2017 Nelson Erazo Nelson Erazo 10/11/2023 Scale:
AS NOTED INDUSTRIES, INC.

63

63

63

74.25

74.25

74.25

74.25

8501 NW 90th St. MEDLEY, FLORIDA 33166 (305) 696-8660

63.3

51.4

79.9

55.0

77.8

45.5

63.3

51.4

79.9

55.0

77.8

45.5

. 8

10

MANUFACTURER OF QUALITY ALUMINUM WINDOWS AND GLASS DOORS

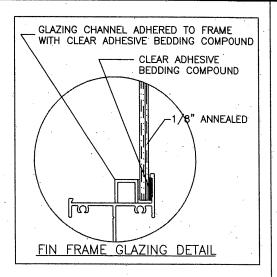
SERIES: 4000 / 6000 ALUMINUM FIXED WINDOWS

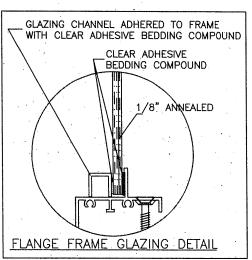
FIN/FLANGE FRAME WINDOW COMPARATIVE ANALYSIS & NOTES

1/2" INSULATED ANNEALED GLASS Drawing Number: L-4000/6000.01 Sheet: 9 of 12 Revision Level:

24

19





WINDOW	COMPARA	TIVE ANALY	SIS CHART F	OR 1/8" ANNE	ALED MONO	
Windo	w Size	FINF	RAME	DESIGN LOAD		
HEIGHT	WIDTH	QTY OF	AVG. ANCHOR	CAPACIT	"Y - (PFS)	
INCHES	INCHES	ANCHORS	SPACING (IN)	POSITIVE	NEGATIVE	
24	18	10	8	64.0	64.0	
36	18	13	8.	53.3	53.3	
48	18	16	8	49.2	49.2	
60	18	20	7	47.1	47.1	
72	18	23	7	45.7	45.7	
84	18	26	7	44.8	44.8	
96	18	29	7	44.1	44.1	
108	18	32	7	43.6	43.6	
120	18	36	7	43.2	43.2	
132	18		Proprieta de la composición del composición de la composición de l	ingening a light of the	At all and added to a company of the second	
144	18					
148	18					
156	18				e de legación e la Bangea e legación de de- lación de la companya de la companya de la lación de la companya de	
24	24	13	7	60.0	60.0	
36	24	15	. 8	45.0	45.0	
48	24	18	8	40.0	40.0	
60	24	21	. 8	34.8	34.8	
72	24	24	8	29.1	29.1	
84	24	27	8	26.6	26.6	
96	24	. 30	8	25.3	25.3	
108	24		reduction of the base of the			
120	24			Sepainis i de region de l'ille Abele beprintaged i d'ille Abele berrintaged de l'ille		
132	24			1886 11 12 13 14 15 15 15 15 15 15 15		
144	24					
148	24					
156	24		i ordini dalimina (S)			
24	30	14	7	50.0	50.0	
36	30	17	7	41.1	41.1	
48	30	19	8	34.9	34.9	
60	30	21	8	32.0	32.0	
72	30	21	9	25.1	25.1	
84	30					
96	30					
108	30					
120	.30					
132	30					
144	30					
148	. 30					
156	30					

Window		ATIVE ANALY	JIJ UHAK I F	OR 1/8" ANNE	MLED MUND
		EINI E	RAME I	DESIGN	
	WIDTH	QTY OF	AVG. ANCHOR	CAPACIT	
INCHES	INCHES	ANCHORS	SPACING (IN)	POSITIVE	NEGATIVE
24	36	15	8	45.0	45.0
36	36	20	7	40.0	40.0
48	36	21	8	32.0	32.0
60	36	23	8	28.6	28.6
72	36				
84	. 36				
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108	36				
120	36	00 01 7 1 1 0 1 1 1 1 0 0 1 1 1 1 1 1 1			
132	36				
144	36				
148.	36				
156	36			ode con a subject of policies	
24	48	18	8	40.0	40.0
36	48	21	8	32.0	32.0
48	48	26	7	30.0	30.0
60	48	Partition of the control of the cont			
72	48				
84	48	ede barat de format en p migro est la folleta de			el del reportation e de recorde
96	48	and the first of t	Particular de la constitución de	Page 1 Company of the Page 2 Company of the Page 1 Company of the Page 1 Company of the Page 2 Company of the	
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148	48				
156	48				
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72 72 72 72 72 84 84 84 84 84 84 84 84 84 84 84 84 84	27 11 15	8 7	59.5
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72 72 84 84 84 84 84 84 84 84 84 84 84 84 86 86 86 86 86 86 86 86 86 86 86 86 86	27 11 15	8 7	59.5
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84 84 84 84 84 84 84 84 26 26 26	11 11 15	8 7	59.5
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84 84 84 84 26 26 26	11 15	8 7	59.5
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84 26 26 26	11 15	8 7	59.5
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26 26	15	7	
26	+		5A A
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		7	42.7
26	20	7	36.7
38.375	14	8	50.1
38.375	16	8	41.5
38.375	21	7	37.6
38.375	23	7	29.4
50.625	17	8	46.4
50.625	19	8	36.8
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58	19	8	45.1
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WINDOW COMPARATIVE ANALYSIS CHART FOR 1/8" ANNEALED MONO FIN FRAME

AVG. ANCHOR

SPACING (IN)

QTY OF

ANCHORS

24

Window Size

INCHES

72

72

72

72

72

72

INCHES

24

36

48

60

72

84

DESIGN LOAD

CAPACITY - (PFS)

POSITIVE NEGATIVE

29.1

29.1

26.6

59.5

54.4

42.7

36.7

50.1

41.5

37.6

29.4

46.4

36.8

30.7

45.1

35.1

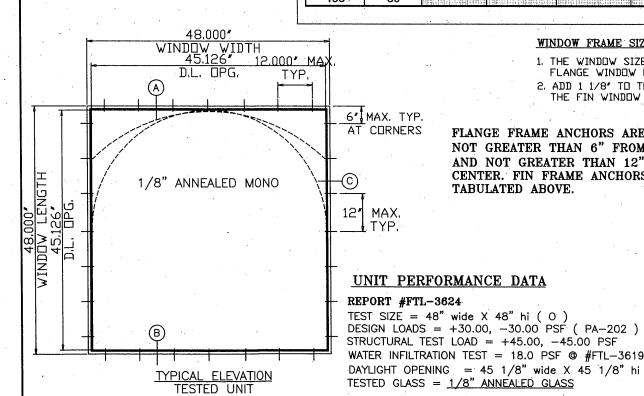
28.6

44.4

30.5

43.2

25.3



WINDOW FRAME SIZE NOTE:

1. THE WINDOW SIZE SHOWN ON CHARTS ARE FOR THE FLANGE WINDOW EXTERIOR OVERALL DIMENSION.

DATE

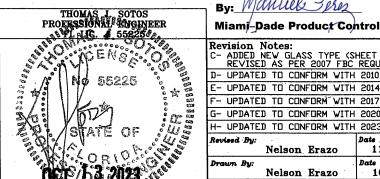
2. ADD 1 1/8' TO THE FLANGE WINDOW SIZE TO DETERMINE THE FIN WINDOW EXTERIOR OVERALL DIMENSION.

FLANGE FRAME ANCHORS ARE TO BE SPACED NOT GREATER THAN 6" FROM EACH CORNER, AND NOT GREATER THAN 12" CENTER TO CENTER. FIN FRAME ANCHORS SPACED AS TABULATED ABOVE.

Building Code NOA-No. 23-1017.10 Expiration Date: 05/08/2028 By: Manuel Peres

PRODUCT REVISED

As complying with the Florida



Revision Notes: C- ADDED NEW GLASS TYPE (SHEET #12) AND REVISED AS PER 2007 FBC REQUIREMENTS D- UPDATED TO CONFORM WITH 2010 FBC - UPDATED TO CONFORM WITH 2014 FBC - UPDATED TO CONFORM WITH 2017 FBC G- UPDATED TO CONFORM WITH 2020 FBC

- UPDATED TO CONFORM WITH 2023 FBC Nelson Erazo 11/01/2017 10/11/2023 Nelson Erazo Scale: AS NOTED



8501 NW 90th St. MEDLEY, FLORIDA 33166 (305) 696-8660

MANUFACTURER OF QUALITY ALUMINUM WINDOWS AND GLASS DOORS

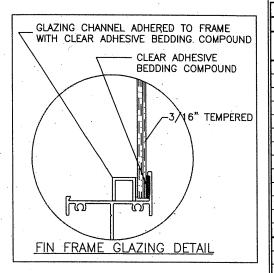
SERIES: 4000 / 6000 ALUMINUM FIXED WINDOWS

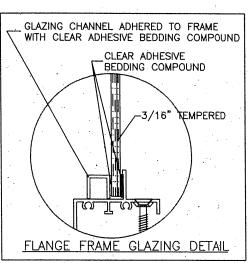
FIN/FLANGE FRAME WINDOW COMPARATIVE ANALYSIS & NOTES 1/8" ANNEALED GLASS

Ref. Number:

L-4000/6000.01

Sheet: 10 of 12





WINDO	W COMPA	T FOR 3/16" TE	MPERED	Т		
Windo	w Size	· FIN FRAME		DESIGN LOAD		r
HEIGHT	WIDTH	QTY OF	AVG. ANCHOR	CAPACIT	Y - (PFS)	
INCHES	INCHES	ANCHORS	SPACING (IN)	POSITIVE	NEGATIVE	
24	18	10	8	100.0	100.0	
36	18	14	7	1.00.0	100.0	. [
48	18	19	6	100.0	100.0	Γ
60	18	23	6	100.0	100.0	Γ
72	18	28	6	100.0	100.0	\cdot Γ
84	18	32	6	100.0	100.0	· [
96	18	37	- 6	100.0	100.0	
108	18	41	6	100.0	100.0	L
120	18	46	6	100.0	100.0	
132	18	50	6	100.0	100.0	
144	18 .	55	5	100.0	100.0	
148	18	57	5	100.0	100.0	
156	18	60	5	100.0	100.0	
24	24	13	7	100.0	100.0	Ι
36	24	19	6	100.0	100.0	
48	24	25	5	100.0	100.0	
60	24	31	. 5	100.0	100.0	
72	24	37	5	100.0	100.0	
84	24	43	5	100.0	100.0	Γ
96	24	49	4	100.0	100.0	Γ
108	24	55	4	100.0	100.0	Г
120	24	61	4	100.0	100.0	
132	24	67	4	100.0	100.0	Г
144	24	73	4	100.0	100.0	
148	24	75	4	100.0	100.0	
156	24					
24	30	16	6	100.0	100.0	lſ
36	. 30	23	- 5	100.0	100.0	lſ
48	30	31	5	100.0	100.0	lſ
60	30	38	4	100.0	100.0	Ιſ
72	30	46	. 4	100.0	100.0	lſ
84	30	54	4	100.0	100.0	
96	30	61	4	100.0	100.0	l
108	30	69	4	100.0	100.0	lſ
120	30	76	3	100.0	100.0	
132	30					ΙÍ
144	30	Tiden : 111 co comple Tiden : 111 co comple Tiden : 111 co comple Tiden : 111 co comple				
148	30					
156	30					lĺ

WINDOW COMPARATIVE ANALYSIS CHART FOR 3/16" TEMPERED							
Windo	w Size	FINF	RAME	DESIGN LOAD			
HEIGHT	WIDTH	QTY OF	AVG. ANCHOR	CAPACIT	Y - (PFS)		
INCHES	INCHES	ANCHORS	SPACING (IN)	POSITIVE	NEGATIVE		
24	36	19	6	100.0	100.0		
36	36	28	5	100.0	100.0		
48	36	37	4	100.0	100.0		
60	36	46	4	100.0	100.0		
72	36	55	3	100.0	100.0		
84	36	64 ⁻	3	100.0	100.0		
96	36	73	3	100.0	100.0		
108	36	1111			111		
120	36						
132	36						
144	36						
148	36				100.0 100.0		
156	36						
24	48	25	5	100.0			
36	48	37 49	4	100.0			
	48 48		3	100.0	100.0		
60 48		61	3	100.0	100.0		
72	48	73	3.	100.0	100.0		
84	48						
96	48						
108	48						
120	48						
132	48						
144	48						
148 156	48 48	principalitica di	intilionidescontalia magazini	and the second street of the	and the second s		
24	60	31		100.0	400.0		
36	<u> </u>	46	5 4	100.0	100.0		
48			3	100.0	100.0		
60			3	100.0	100.0 100.0		
72	60	76		100.0	100.0		
84	60	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1					
96	60						
108	60						
120	60			Title of the second of the second			
132	60		u ing mang distriction (in 1915). Ng katang ang mang ang ang ang ang				
144	60						
148	60						
156	60						
	1 00	<u> Pirantesäättaalillä</u>		amai Masufiradusi si si kirk	alit, assisi assisi aisi sistema		

- 1				
۱			. 60.000 *	
		İ	WIND <u>D</u> W_WIDTH	WINDOW FRAME SIZ
1			57126* 12,000* MA	1. THE WINDOW SIZE
١		.	D.L. OPG. TYP.	FLANGE WINDOW E
				2. ADD 1 1/8' TO THE FIN WINDOW
١				6' MAX. TYP.
1				AT CORNERS FLANGE FRAME ANCHORS ARE
ı				NOT GREATER THAN 6" FROM
1				AND NOT GREATER THAN 12"
	Ė		/ 7/16" TEMPEDED MONO	CENTER. FIN FRAME ANCHORS
1	2	ی	/ 3/16" TEMPERED MONO \	TABULATED ABOVE.
	S E 6			12" MAX. TYP.
1		-		
۱	WINDO 5			
	N.	-		TINIM DEDECOMANCE DAMA
	-			UNIT PERFORMANCE DATA
ı	-			REPORT #FTL-3626
				TEST SIZE = 60" wide X 60" hi (0) DESIGN LOADS = +151.00, -151.00 PSF (PA-202)
١		-	(B)	STRUCTURAL TEST LOAD = +226.50, -226.50 PSF
-	<u>i</u>			WATER INFILTRATION TEST = 18.0 PSF @ #FTL-3619
١			TYPICAL ELEVATION	DAYLIGHT OPENING = $57 \frac{1}{8}$ wide X 57 $\frac{1}{8}$ hi
ı			TESTED UNIT	TESTED GLASS = 3/16" TEMPERED GLASS

WINDOW FRAME SIZE NOTE:

- 1. THE WINDOW SIZE SHOWN ON CHARTS ARE FOR THE FLANGE WINDOW EXTERIOR OVERALL DIMENSION.
- 2. ADD 1 1/8" TO THE FLANGE WINDOW SIZE TO DETERMINE THE FIN WINDOW EXTERIOR OVERALL DIMENSION.

FLANGE FRAME ANCHORS ARE TO BE SPACED NOT GREATER THAN 6" FROM EACH CORNER. AND NOT GREATER THAN 12" CENTER TO CENTER. FIN FRAME ANCHORS SPACED AS TABULATED ABOVE.

THOMAS J. SOTOS PROFESSIONAL ENGINEER

As complying with the Florida **Building Code** NOA-No. 23-1017.10 **Expiration Date: 05/08/2028**

Nelson Erazo

10/11/2023

Scale: AS NOTED

PRODUCT REVISED

Miami-Dade Product Control C- ADDED NEW GLASS TYPE (SHEET #12) AND REVISED AS PER 2007 FBC REQUIREMENTS - UPDATED TO CONFORM WITH 2010 -FBC E- UPDATED TO CONFORM WITH 2014 FBC 55225 F- UPDATED TO CONFORM WITH 2017 FBC G- UPDATED TO CONFORM WITH 2020 FBC H- UPDATED TO CONFORM WITH 2023 FBC 11/01/2017 Nelson Erazo



8501 NW 90th St. MEDLEY, FLORIDA 33166 (305) 696-8660

MANUFACTURER OF QUALITY ALUMINUM WINDOWS AND GLASS DOORS

WINDOW COMPARATIVE ANALYSIS CHART FOR 3/16" TEMPERED

AVG. ANCHOR

SPACING (IN)

5

3

3

5

3

5

4

6

5

4

6

5

4

4

6

4

FIN FRAME

QTY OF

37

55

73

43

64

11

15

21

30

16

22

30

43

21

29

40

57

24

33

46

65

26

36

50

71

30

42

58

ANCHORS I

Window Size

INCHES

24

36

48

60

72

84

96

108 120

132 144

148

156

24

36

48

60

72

84

96

108

120

132

144

148

156

19.125

26.5

37

53.125

19,125

26.5

37

53.125

19.125

26.5

-37

53.125

19.125

26.5

37

53.125

19.125

26.5

37

53.125

19.125

26.5

37

53.125

WIDTH

INCHES

72

72

72

72

72

72

72 72

72 72

72

72 72

84

84

84

84

84

84

84

84

84

84

84

84

84

26

26

26

26

38.375

38.375

38.375

38.375

50.625

50.625

50.625

50.625

58

58

58

58

63

63

63

63

74.25

74.25

74.25

74.25

DESIGN LOAD

CAPACITY - (PFS)

NEGATIVE

100.0

100.0

100.0

100.0

100.0

100.0

100.0

100.0

100.0

100.0

100.0

100.0

100.0

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100.0

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100.0

100.0

100.0

100.0

100.0

100.0

100.0

100.0

100.0

100.0

POSITIVE

100.0

100.0

100.0

100.0

100.0

100.0

100.0

100.0

100.0

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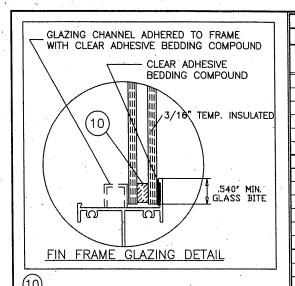
100.0

SERIES: 4000 / 6000 ALUMINUM FIXED WINDOWS

FIN/FLANGE FRAME WINDOW COMPARATIVE ANALYSIS & NOTES

3/16" TEMPERED GLASS Sheet: 11 of 12 L-4000/6000.01

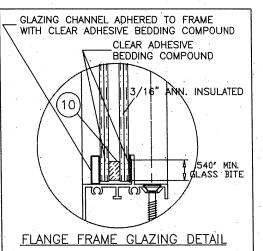
FER INFILTRATION TEST = 18.0 PSF @ #FTL-3619



Insulated Spacer Types & Options 10a) "TrueSeal" Swiggle Seal

"Quanex" SuperSpacer w/ Isomelt M

10c) "Quanex" Duraseal



WINDOW COMPARATIVE ANALYSIS CHART FOR 5/8" INSULATED TEMPERED				WINDOW COMPARATIVE ANALYSIS CHART FOR 5/8" INSULATED TEMPERED							
		FINF	RAME	DESIGN LOAD				FIN FRAME		DESIGN LOAD	
WIDTH	HEIGHT	QTY OF	AVG. ANCHOR	CAPACIT	Y - (PFS)	WIDTH	HEIGHT	QTY OF	AVG. ANCHOR	CAPACIT	
INCHES	INCHES	ANCHORS	SPACING (IN)	POSITIVE	NEGATIVE	INCHES	INCHES	ANCHORS	SPACING (IN)	POSITIVE	NEGATIVE
24	18	10	8	100.0	100.0	24	36	19	6	100.0	100.0
36	18	14	7	100.0	100.0	36	36	28	5	100.0	100.0
48	18	19	6	100.0	100.0	48	36 .	37	4	100.0	100.0
60	18	23	- 6	100.0	100.0	60	-36	46	4	100.0	100.0
72	18	28	6	100.0	100.0	72	36	55	3 "	100.0	100.0
84	18	32	6	100.0	100.0	84	36	64	3	100.0	100.0
96	18	37	6	100.0	100.0	96	36	· 73	3	100.0	100.0
108	18	41	6	100.0	100.0	108	36	82	3	100.0	100.0
120	18	46	6	100.0	100.0	120	36	91	3	100.0	100.0
132	18	50	6	100.0	100.0	132	36	100	3	100.0	100.0
144	18	55	5	100.0	100.0	144	36	110	3	100.0	100.0
148	18	57	5	100.0	100.0	148	36	113	3	100.0	100.0
156	18	60	- 5	100.0	100.0	156	36	119	3	100.0	100.0
24	24	13	7	100.0	100.0	24	48	25	5	100.0	100.0
36	24	, 19	6.	100.0	100.0	36	48	37	4	100.0	100.0
48	24	25	. 5	100.0	100.0	48	48	49	3	100.0	100.0
60	24	31	5	100.0	100.0	60	48	- 61	3	100.0	100.0
72	24	37	5	100.0	100.0	72	48	73	3	100.0	100.0
84	24	43	5	100.0	100.0	84	48	85	3	100.0	100.0
96	24	49	4	100.0	100.0	96	48	97	2	100.0	100.0
108	24	55	4	100.0	100.0	108	48	110	2	100.0	100.0
120	24	61	4	100.0	100.0	120	48	120	2	98.4	98.4
132	24	67	4	100.0	100.0	132	48	129	2	96.3	96.3
144	24	73	4	100.0	100,0	144	48	138	2	94.5	94.5
148	24	75	4	100.0	100.0	148	48	141	2	94.0	94.0
156	24	79	4	100.0	100.0	156	48				rent out the property of the community o
24	30	16	6	100.0	100.0	24	60	31	5	100.0	100.0
36	30	23	5	100.0	100.0	36	60	46	4	100.0	100.0
48	30	31	5	100.0	100.0	48	60	61	3	100.0	100.0
60	30	38	4	100.0	100.0	60	60	76	3	100.0	100.0
72	30	46	4 .	100.0	100.0	72_	60	91	2	100.0	100.0
84	30	54	4	100.0	100.0	84	60	104	2	98.0	98.0
96	30	61	4	100.0	100.0	96	60	112	2	91.6	91.6
108	30	69	• 4	100.0	100.0	108	60	119	2	87.2	87.2
120	30	76	3 .	100.0	100.0	120	60				
132	30	84	3	100.0	100.0	132	60				
144	30	91	3	100.0	100.0	144	60				
148	30	94	3.	100.0	100.0	148	60				
156	. 30	99	3	100.0	100.0	156	60				

WINDOW	FDAME	SIZE	NOTE
MINDOM	rrame	SIZE	MOIL

- 1. THE WINDOW SIZE SHOWN ON CHARTS ARE FOR THE FLANGE WINDOW EXTERIOR OVERALL DIMENSION.
- 2. ADD 1 1/8" TO THE FLANGE WINDOW SIZE TO DETERMINE THE FIN WINDOW EXTERIOR OVERALL DIMENSION.

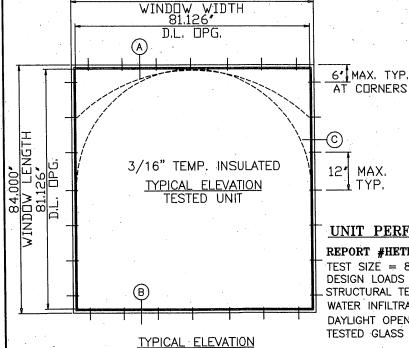
FLANGE FRAME ANCHORS ARE TO BE SPACED NOT GREATER THAN 6" FROM EACH CORNER, AND NOT GREATER THAN 12" CENTER TO CENTER. FIN FRAME ANCHORS SPACED AS TABULATED ABOVE.

PRODUCT REVISED As complying with the Florida **Building Code** NOA-No. 23-1017.10

Expiration Date: 05/08/2028

Miami-Dade Product Control

By: Manuel Peres



TESTED UNIT

84.000*

UNIT PERFORMANCE DATA

REPORT #HETI # 09-2604

MAX.

TYP.

TEST SIZE = 84" wide X 84" hi (0) DESIGN LOADS = +90.00, -90.00 PSF (PA-202) STRUCTURAL TEST LOAD = +135.00, -135.00 PSF WATER INFILTRATION TEST = 18.0 PSF @ #FTL-3619 DAYLIGHT OPENING = $81 \ 1/8$ " wide X $81 \ 1/8$ " hi TESTED GLASS = 3/16" TEMPERED GLASS DOUBLE GLAZED INSULATED

THOMAS J. SOTOS PROFESSIONAL EMCINEER FILMS 55225 DATE

(INDUSTRIES, INC.)

8501 NW 90th St. MEDLEY, FLORIDA 33166 (305) 696-8660

MANUFACTURER OF QUALITY ALUMINUM WINDOWS AND GLASS DOORS

WINDOW COMPARATIVE ANALYSIS CHART FOR 5/8" INSULATED TEMPERED

AVG. ANCHOR

SPACING (IN)

5

3

6

. 5

4

3

5

4

3

DESIGN LOAD

CAPACITY - (PFS)

NEGATIVE

100.0

100.0

100.0

100.0

100.0

91.9

84.0

100.0

100.0

100.0

98.0

91.9

90.0

100.0

100.0 100.0

100.0

100.0

100.0

100.0

100.0

100.0

100.0

100.0

100.0

100.0

100.0 100.0

100.0

100.0

100.0

100.0

100.0

100.0

100.0

100.0

100.0

12 of 12

POSITIVE

100.0

100.0

100.0

100.0

100.0

91.9

84.0

100.0

100.0

100.0

98.0

91.9

90.0

100.0

100.0

100.0

100.0 100.0

100.0

100.0

100.0

100.0

100.0

100.0

100.0

100.0

100.0

100.0

100.0

100.0

100.0

100.0

100.0

100.0

100.0

100.0

100.0

FIN FRAME

QTY OF

ANCHORS

37

55

73

91

110

117 123

43

64

85

104

117

134

11

15

21

30

16

22

30

43

21

29

40

57

24

33

46

65

26

36

50

71

30

42

58

84

WIDTH HEIGHT

INCHES

72

72

72

72

72

72

72

72

72

72

72

72

72

84

84

84

84

84

84

84

84

84

84

84

84

84

26

26

26

26

38.375

38.375

38.375

38.375

50.625

50.625

50.625

50.625

58

58

58

58

63

63

63

63

74.25

74.25

74.25

74.25

INCHES

24

36

48

60

72

84

96

108

120

132

144

148

156

24

36

48

60

72

84

96

108 120

132

144

148

156

19.125

26.5

37

53.125

19.125

26.5

37

53.125

19.125

26.5

37

53.125

19.125

26.5

37

53,125

19.125

26.5

37

53.125

19.125

26.5

37

53.125

SERIES: 4000 / 6000 ALUMINUM FIXED WINDOWS

FIN/FLANGE FRAME WINDOW COMPARATIVE ANALYSIS & NOTES

5/8" INSULATED TEMPERED GLASS Scale: AS NOTED

Revision Notes: C- ADDED NEW GLASS TYPE (SHEET #12) AND REVISED AS PER 2007 FBC REGUIREMENTS D- UPDATED TO CONFORM WITH 2010 FBC - UPDATED TO CONFORM WITH 2014 FBC - UPDATED TO CONFORM WITH 2017 FBC L- UPDATED TO CONFORM WITH 2020 FBC H- UPDATED TO CONFORM WITH 2023 FBC Date Revised: 11/01/2017 Nelson Erazo Nelson Erazo 10/11/2023

Ref. Number: Drawing Number: L-4000/6000.01 Revision Level: