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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

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

NOTICE OF ACCEPTANCE (NOA)
Custom Window Systems, Inc.
1900 SW 44th Avenue
Ocala, FL 34474

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 "CWS-330 (Flange & Fin Frame)" Aluminum Fixed Window - N.I.

APPROVAL DOCUMENT: Drawing No. **CWS-1228**, titled "CWS 330 Aluminum Non-Impact Flange & Fin Frame Non-Impact Picture Window", sheets 1 through 12 of 12, dated 11/17/23, 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. 23-1017.10 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.

MIAMI-DADE COUNTY
APPROVED

1/25/24

NOA No. 24-0116.18 Expiration Date: May 08, 2028 Approval Date: February 01, 2024 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. 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 H dated 10/11/23, prepared by manufacturer, and signed and sealed by Thomas J. Sotos, P.E. (Submitted under NOA No. 23-1017.10)

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. (Submitted under NOA No. 23-1017.10)
- 2. 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)
- 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 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)
- 4. 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)

Manuel Perez, P.E.
Product Control Examiner
NOA No. 24-0116.18
Expiration Date: May 08, 2028

Approval Date: February 01, 2024

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

- 1. EVIDENCE SUBMITTED UNDER PREVIOUS NOA'S (CONTINUED)
- 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. 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.

(Submitted under NOA No. 23-1017.10)

- 2. Statement letter of no financial interest, dated October 13, 2023, issued by the manufacturer, signed and sealed by Thomas J. Sotos, P.E. (Submitted under NOA No. 23-1017.10)
- 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. (Submitted under NOA No. 23-1017.10)
- 4. 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)

5. 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)

6. 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. 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. 24-0116.18

Expiration Date: May 08, 2028 Approval Date: February 01, 2024

Custom Window Systems, Inc.

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

2. NEW EVIDENCE SUBMITTED

A. DRAWINGS

1. Drawing No. CWS-1228, titled "CWS 330 Aluminum Non-Impact Flange & Fin Frame Non-Impact Picture Window", sheets 1 through 12 of 12, dated 11/17/23, prepared by manufacturer, and signed and sealed by Thomas J. Sotos, 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. None.

F. STATEMENTS

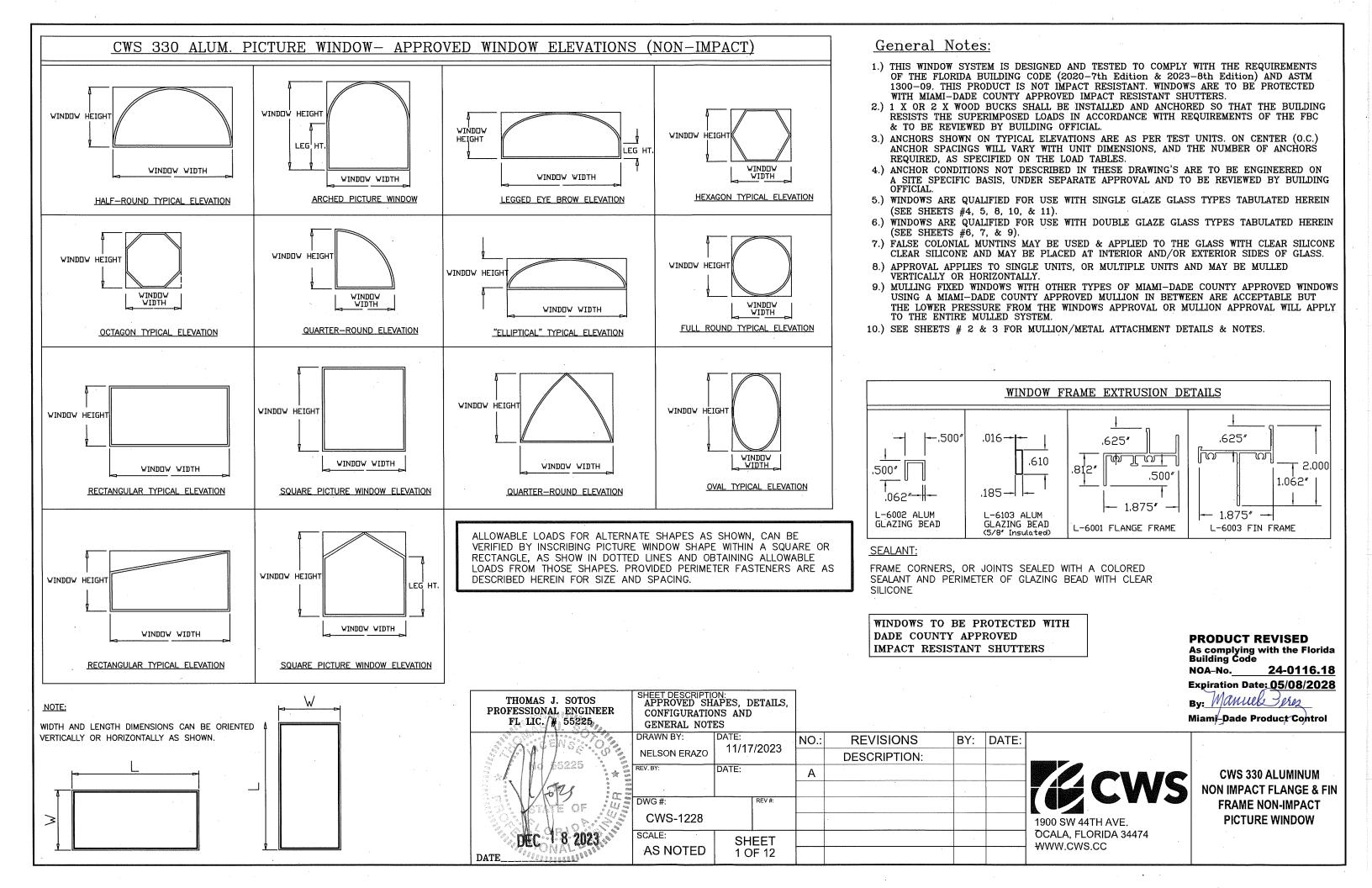
- 1. Statement letter of conformance, complying with **FBC 8th Edition (2023)**, dated December 18, 2023, issued by the manufacturer, signed and sealed by Thomas J. Sotos, P.E.
- 2. Statement letter of no financial interest, dated December 18, 2023, issued by the manufacturer, signed and sealed by Thomas J. Sotos, P.E.
- 3. Private Labeling Agreement document in conformance to Product Control guidelines dated 01/11/24, signed by Kevin E. Pine, vice president.

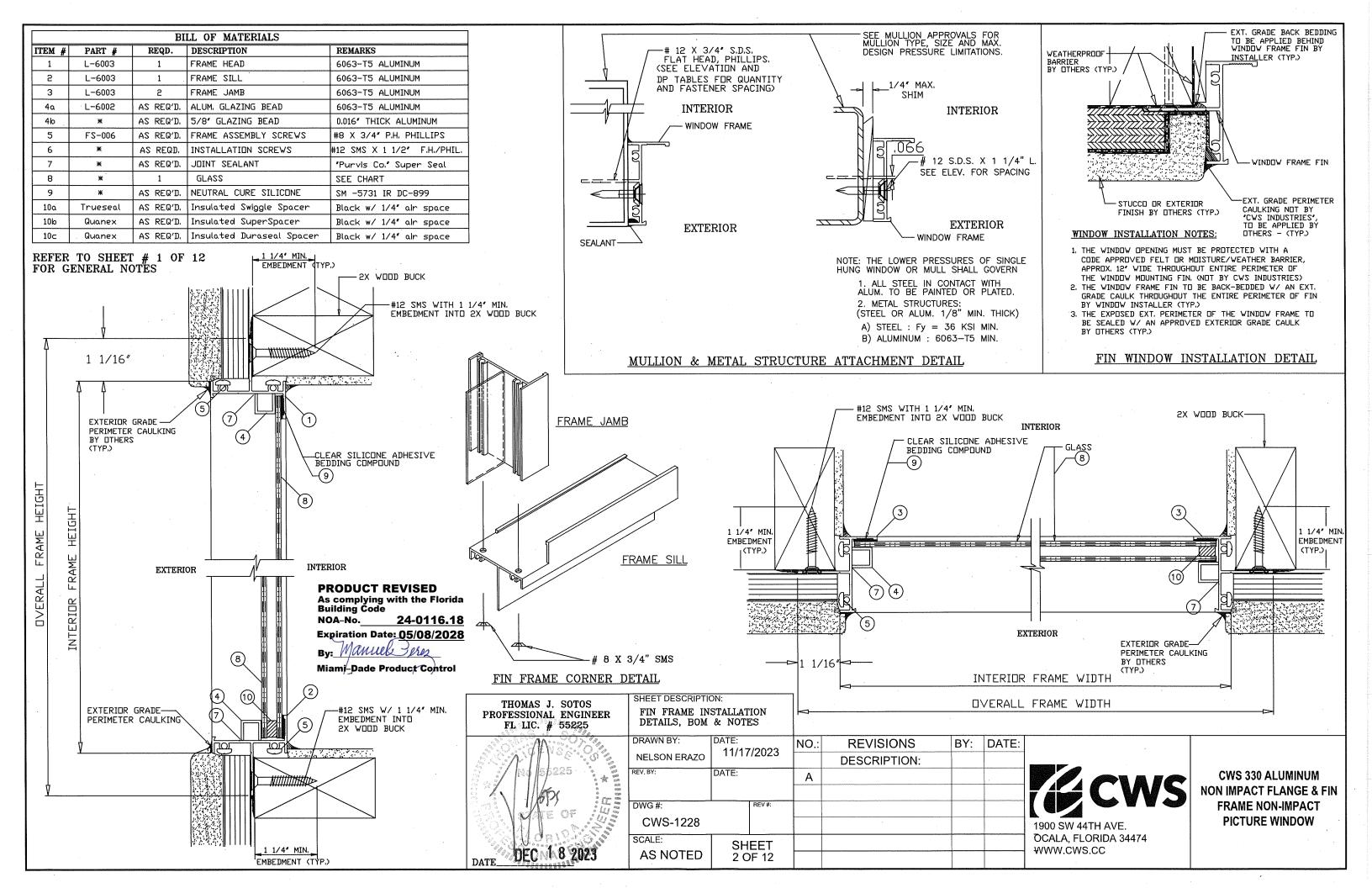
G. OTHERS

1. Notice of Acceptance No. 23-1017.10, issued to Lawson Industries, Inc. for their Series "4000/6000 (Flange & Fin Frame)" Aluminum Fixed Window - N.I., approved on 11/16/23 and expiring on 05/08/28.

Manuel Perez, P.E.
Product Control Examiner
NOA No. 24-0116.18

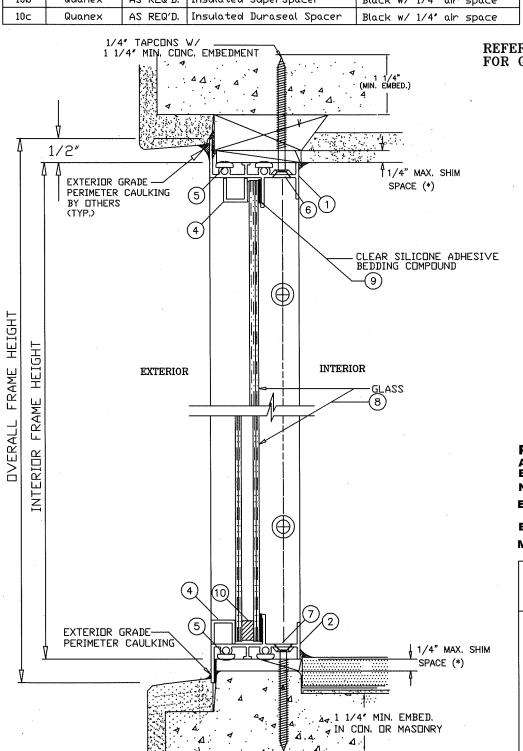
Expiration Date: May 08, 2028 Approval Date: February 01, 2024





וו אוידויוי			LL OF MATERIALS	
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 OR 1/4" TAPCON
7	*	AS REQ'D.	JOINT 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" alr 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.



TO SHEET # 1 OF 12 NERAL NOTËS

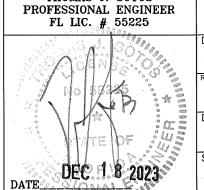
> **PRODUCT REVISED** As complying with the Florida Building Code 24-0116.18 NOA-No.

Expiration Date: 05/08/2028

By: Manuel Perez

Miami-Dade Product Control

THOMAS J. SOTOS



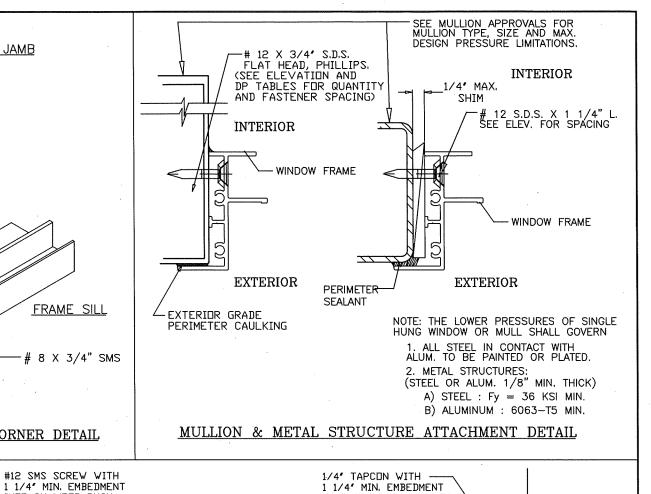
FLANGE FRAME INSTALLATION DETAILS, BOM & NOTES

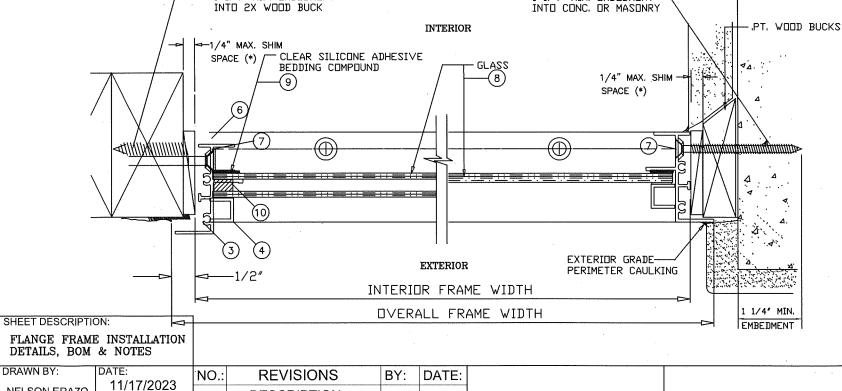
	DRAWN BY:	DATE:	11/17/2023		REVISIONS	BY:	DATE:
	NELSON ERAZO	1 1/1/			DESCRIPTION:		
ı.	REV, BY:	DATE:		Α			
) (3) (3)							
SES SES SES	DWG #:		REV#:				
9	CWS-1228						
	SCALE:	SH	EET				
	AS NOTED	3 0	F 12				

FRAME JAMB

FLANGE FRAME CORNER DETAIL

FRAME SILL

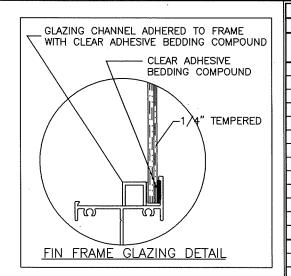


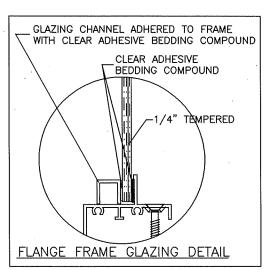


1900 SW 44TH AVE.

OCALA, FLORIDA 34474

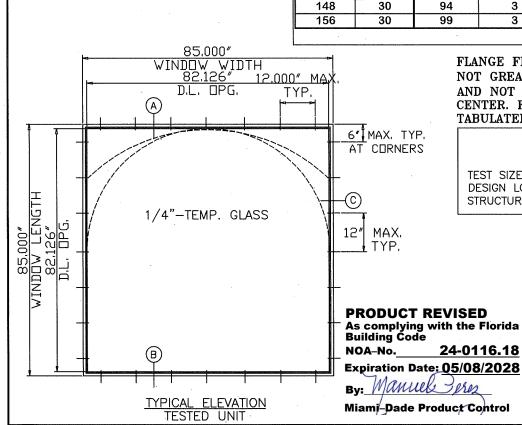
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WIND	OW COMPA	RATIVE AN	ALYSIS CHAR	T FOR 1/4" TE	MPERED	l w
Windo	w Size	FIN F	RAME	DESIGN	LOAD	Wi
HEIGHT	WIDTH	QTY OF	AVG. ANCHOR	CAPACIT	Y - (PFS)	HEIGH
INCHES	INCHES	ANCHORS	SPACING (IN)	POSITIVE	NEGATIVE	INCHE
24	18	10	8	100.0	100.0	24
36	18	14	7	100.0	100.0	36
48	18	19	6	100.0	100.0	48
60	18	23	6	100.0	100.0	60
72	18	28	6	100.0	100.0	72
84	18	32	6	100.0	100.0	84
96	18	37	6	100.0	100.0	96
108	18	41	6	100.0	100.0	108
120	18	46	6	100.0	100.0	120
132	18	50	6	100.0	100.0	132
144	18	55	5	100.0	100.0	144
148	18	57	5	100.0	100.0	148
156	18	60	5	100.0	100.0	156
24	24	13	7	100.0	100.0	24
36	24	19	6	100.0	100.0	36
48	24	25	5	100.0	100.0	48
60	24	. 31	5	100.0	100.0	60
72	24	37	5	100.0	100.0	72
84	24	43	5	100.0	100.0	84
96	24	49	4	100.0	100.0	96
108	24	55	-4	100.0	100.0	108
120	24	. 61	4	100.0	100.0	120
132	24	67	4	100.0	100.0	132
144	24	73	4	100.0	100.0	144
148	24	75	4	100.0	100.0	148
156	24	79	4	100.0	100.0	156
24	30	16	6 .	100.0	100.0	24
36	30	23	5	100.0	100.0	36
48	30	31	5	100.0	100.0	48
60	30	38	4	100.0	100.0	60
72	30	46	4	100.0	100.0	72
84	30	54	4	100.0	100.0	84
96	30	61	4	100.0	100.0	96
108	30	69	4	100.0	100.0	108
120	30	76	3	100.0	100.0	120
132	30	84	3	100.0	100.0	132
	†				1	· -

ſ	WINDOW COMPARATIVE ANALYSIS CHART FOR 1/4" TEMPERED								
ſ	Windo	w Size	FIN F	RAME	DESIGN	LOAD			
Ī	HEIGHT	WIDTH	QTY OF	AVG. ANCHOR	CAPACIT	Y - (PFS)			
	INCHES	INCHES	ANCHORS	SPACING (IN)	POSITIVE	NEGATIVE			
ſ	24	36	19	6	100.0	100.0			
ſ	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			
1	148	36	113	3	100.0	100.0			
	156	36	119	3	100.0	100.0			
ľ	24	48	25	5	100.0	100.0			
ſ	36	48	37	4	100.0	100.0			
ſ	48	48	49	3	100.0	100.0			
ſ	60	48	61	. 3	100.0	100.0			
I	72	48	73	3	100.0	100.0			
Ī	84	48	85	3	100.0	100.0			
ſ	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			7				
ſ	24	60	31	[,] 5	100.0	100.0			
Ī	36	60	46	4	100.0	100.0			
	48	60	61	. 3	100.0	100.0			
Ī	60	60	76	3	100.0	100.0			
ı	72	. 60	91	2	100.0	100.0			
j	84	60	107	2	100.0	100.0			
İ	96	60	122	2	100.0	100.0			
Ì	108	60	137	2	100.0	100.0			
Ì	120	60	139	2	91.6	91.6			
ı	132	60				Annes, s			
	144	60			TO STATE OF THE ST	· · · · · · · · · · · · · · · · · · ·			
	148	60							
	156	60		The contract		·			



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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.

100.0

100.0

100.0

100.0

100.0

100.0

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.

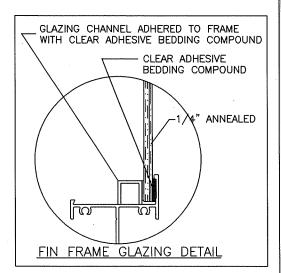
UNIT PERFORMANCE DATA REPORT #FTL-3619

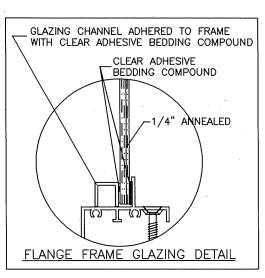
TEST SIZE = 85" wide X 85" hi (0) WATER INFILTRATION TEST = 18.0 PSF DESIGN LOADS = +104.0, -104.0 PSF (PA-202) DAYLIGHT OPENING = 82 1/8" wide X 82 1/8" hi STRUCTURAL TEST LOAD = +156.0, -156.0 PSF TESTED GLASS = 1/4" TEMPERED GLASS

THOMAS J. SOTOS PROFESSIONAL ENGINEER FL LIC. # 55225		FRAME WINDOW ANALYSIS & NO		·			
	DRAWN BY:	DATE: 11/17/2023	NO.:	REVISIONS	BY:	DATE:	
X Adopting	NELSON ERAZO	11/17/2023		DESCRIPTION:			
***	REV, BY:	DATE:	Α				
XIII				~ `.			
T. VS VIR OF INE	DWG #:	. REV #:					
1900 Nor. 33	CWS-1228						1900 SW 44TH AVE.
	SCALE:	SHEET					OCALA, FLORIDA 34474
DATE	AS NOTED	4 OF 12					₩WW.CWS.CC

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	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	72	143	2	98.2	98.2			
108	72				ang se to the			
120	72	to Branch on	· · · · · · · · · · · · · · · · · · ·	Control of the Contro	· · · · · · · · · · · · · · · · · · ·			
132	72		Anna Caranta de Carant					
144	72		1.0					
148	72	10000	1861 1881					
156	72			e e e e e e e e e e e e e e e e e e e				
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	1111		111				
108	84				and the second			
120	84			Annual Management and Annual Control				
132	84	<u> </u>						
144	84	and the second			and the second s			
148	84			200				
156	84	10 mg - 11 mg - 12 mg	****	in a second	and the second			
19.125	26	11	8	100.0	100.0			
19.125 26.5	26 26	15	8 7	100.0	100.0			
19.125 26.5 37	26 26 26	15 21	7 6	100.0 100.0	100.0 100.0			
19.125 26.5 37 53.125	26 26 26 26	15 21 30	7 6 5	100.0 100.0 100.0	100.0 100.0 100.0			
19.125 26.5 37 53.125 19.125	26 26 26 26 38.375	15 21 30 16	7 6 5 7	100.0 100.0 100.0 100.0	100.0 100.0 100.0 100.0			
19.125 26.5 37 53.125 19.125 26.5	26 26 26 26 38.375 38.375	15 21 30 16 22	7 6 5 7	100.0 100.0 100.0 100.0 100.0	100.0 100.0 100.0 100.0 100.0			
19.125 26.5 37 53.125 19.125 26.5 37	26 26 26 26 38.375 38.375 38.375	15 21 30 16 22 30	7 6 5 7 5 5	100.0 100.0 100.0 100.0 100.0 100.0	100.0 100.0 100.0 100.0 100.0 100.0			
19.125 26.5 37 53.125 19.125 26.5 37 53.125	26 26 26 26 38.375 38.375 38.375 38.375	15 21 30 16 22 30 43	7 6 5 7 5 5 5	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			
19.125 26.5 37 53.125 19.125 26.5 37 53.125 19.125	26 26 26 26 38.375 38.375 38.375 38.375 50.625	15 21 30 16 22 30 43 21	7 6 5 7 5 5 5 4	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			
19.125 26.5 37 53.125 19.125 26.5 37 53.125 19.125 26.5	26 26 26 26 38.375 38.375 38.375 38.375 50.625 50.625	15 21 30 16 22 30 43 21 29	7 6 5 7 5 5 4 6	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			
19.125 26.5 37 53.125 19.125 26.5 37 53.125 19.125 26.5 37	26 26 26 26 38.375 38.375 38.375 50.625 50.625 50.625	15 21 30 16 22 30 43 21 29	7 6 5 7 5 5 4 6 5	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			
19.125 26.5 37 53.125 19.125 26.5 37 53.125 19.125 26.5 37 53.125	26 26 26 26 38.375 38.375 38.375 50.625 50.625 50.625 50.625	15 21 30 16 22 30 43 21 29 40	7 6 5 7 5 5 4 6 5 4	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			
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1900 SW 44TH AVE.





WINDOW COMPARATIVE ANALYSIS CHART FOR 1/4" ANNEALED							
	w Size	FIN F	RAME	DESIGN	LOAD		
HEIGHT	WIDTH	QTY OF	AVG. ANCHOR	CAPACIT	TY - (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	· · · · · · · · · · · · · · · · · · ·	The second secon	Overtions and the second	The state of the s		
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		an mania sa				
144	30						
148	30	70 200		1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	- 10 (100 m		
156	30		manufacture and the	profite a succession			

WIND	OW COMP.	ARATIVE AN	IALYSIS CHAF	RT FOR 1/4" AN	NEALED
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	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	iii	in the same of the		
120	36			10 100-	
132	36			App	
144	36				- 1-1
148	36	522	1.1	14.0 14.0 14.0 14.0 14.0 14.0 14.0 14.0	
156	36	10.015.00.000.0000		ļ	2011 - August 1911 - August 19
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			100	
96	48				
108	48		99		Annia Albania Albania
120	48		1.1.1.1.1.1.1.1.1.1.1.1.1.1.1.1.1.1.1.	- 1	
132	48	<u>*</u>			2.74
144	48			and the second s	
148	48				
156	48	in in the second	A Section Appropriate Control of the	of conjugation is seen	emenument
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	And The complete	h dagame o	e a salada	Section of the second
84	60	A. M.	pag — Pa	av 2004 sag	
96	60		12.22	25.50	
108	60				
120	60				
132	60				1 100 gran
144	60		1	kyris et e e e e e e e e e e e e e e e e e e	
148	60			1995 - 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	
156	60	. tota agamaja		ilaa aanaa aa ah a	

WINDOW WIDTH 57,126" 12 12.000" MA D.L. OPG. TYP. 6″IMAX, TYP. AT CORNERS 1/4"- ANNEALED 12" MAX. TYP. **PRODUCT REVISED** As complying with the Florida **Building Code** 24-0116.18 NOA-No. **Expiration Date: 05/08/2028** By: Manuel Perez Miami-Dade Product Control TYPICAL ELEVATION

TESTED UNIT

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

- 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.

UNIT PERFORMANCE DATA

SHEET DESCRIPTION:

REPORT #FTL-3620

TEST SIZE = 60" wide X 60" hi (0) STRUCTURAL TEST LOAD = +71.10, -71.10 PSF

WATER INFILTRATION TEST = 18.0 PSF @ #FTL-3619 DESIGN LOADS = +47.40, -47.40 PSF (PA-202) DAYLIGHT OPENING = 57 1/8" wide X 57 1/8" hi TESTED GLASS = 1/4" ANNEALED GLASS

THOMAS J. SOTOS PROFESSIONAL ENGINEER FL. LIC. # 55225	FIN/FLANGE COMPARATIVE 1/4" ANNEAL	FRAME ANALYS LED GLA	IS & NO				
	DRAWN BY:	DATE:	7/2023	NO.:	REVISIONS	BY:	DATE:
	NELSON ERAZO	1 1/ 1 /	12023		DESCRIPTION:		
5 . 1 10 59225	REV. BY:	DATE:		Α			
I VILLON	DWG #:		REV #:				
	CWS-1228						
12 0 0000	SCALE:	SH	EET				
DATE DEC NO 2023	AS NOTED	5 C	F 12				

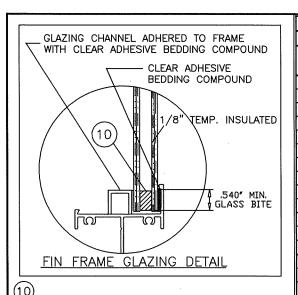
Window Size FIN FRAME **DESIGN LOAD** QTY OF CAPACITY - (PFS) HEIGHT WIDTH AVG. ANCHOR **ANCHORS** POSITIVE NEGATIVE INCHES SPACING (IN) 71.1 24 72 26 71.1 36 72 28 50.1 50.1 48 72 33 7 44.4 44.4 72 60 72 72 84 72 96 72 108 72 120 72 132 72 144 72 72 148 72 156 69.1 24 84 69.1 36 28 43.2 43.2 84 8 48 84 60 84 72 84 84 84 96 84 108 84 120 84 132 84 144 84 148 84 156 84 19.125 100.0 100.0 26 11 100.0 26.5 26 15 100.0 37 84.3 84.3 26 18 53.125 26 22 72.4 72.4 99.0 19.125 38.375 99.0 16 26.5 38.375 82.0 82.0 18 37 38.375 23 74.2 74.2 6 58.0 53,125 38.375 25 58.0 19.125 50.625 19 91.7 91.7 26.5 50.625 21 72.7 72.7 37 50.625 24 60.6 60.6 53.125 50.625 31 53.7 53.7 19.125 58 89.0 21 89.0 26.5 58 23 69.5 69.5 37 56.4 58 26 56.4 53.125 58 33 49.4 49.4 6 19.125 63 23 87.7 87.7 26.5 63 24 68.0 68.0 37 27 54.4 54.4 63 53.125 63 33 46.3 46.3 19.125 74.25 26 85.3 85.3 26.5 74.25 28 65.3 65.3 37 74.25 28 48.0 48.0 53.125 74.25

WINDOW COMPARATIVE ANALYSIS CHART FOR 1/4" ANNEALED

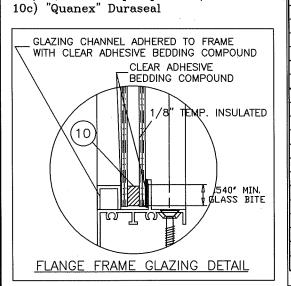
OCALA, FLORIDA 34474

₩WW.CWS.CC

CWS 330 ALUMINUM NON IMPACT FLANGE & FIN FRAME NON-IMPACT 1900 SW 44TH AVE. PICTURE WINDOW



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



WINDOW	WINDOW COMPARATIVE ANALYSIS CHART FOR 1/8" TEMP. INSULATED						
Windo	ndow Size FIN FRAME DESIGN LOAD			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	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		in County				
144	18		Migratoria de la composición del composición de la composición del composición de la composición del composición de la composición del composición del composición del composición del composición del composición del composición d		1.00 2.00 2.00		
148	18						
156	18			- Date or	Colombia Colombia		
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	Section 1	January Comment		Library Complete Comment		
144	24	de de la companya de			- Selection		
148	24						
156	24			· · · · · · · · · · · · · · · · · · ·	The state of the s		
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	And the second second					
144	30	Printer.			1		
148	30	is year					
156	30	· condigence	- and a				
		<u> </u>		L			

WINDOW	WINDOW 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				1			
120	36							
132	36	- 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1		200				
144	36				1			
148	36							
156	36	, j.,						
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		10 mm	man in the contract of the con	To the same of the			
96	48	<u> </u>	100	M IN	51			
108	48							
120	48				· · · · · · · · · · · · · · · · · · ·			
132	48	1 1000	a spanie i majemi a sanje i majemi ka	000 man 100 ma	Land Commerce Commerce			
144	48							
148	48	- 200		100				
156	48	haden		t	erika Amerikan di Karananan di Karananan di Karanan di Karanan di Karanan di Karanan di Karanan di Karanan di Karana Amerikan di Karanan di Kar			
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				. 17-1 817 Subseque 17-105			
84	60	100 mm		70 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1				
96	60	100			····			
108	60	. 13						
120	60							
132	60							
144	60			and an	100			
148	60	* 1995 at 11 1995	2.22					
156	60	of the second	and the second second	· · idan · · · · · · · ·				

Window Size			RAME	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				Indiana III	
72	72	1900,000				
84	72	illi - Wang	1.2	749		
96	72	3337				
108	72					
120	72			1111177AAA - TOO		
132	72					
144	72		Land American			
148	72		194 T.	er ege ise	- Paparin Agr	
156	.72	A STANDARD CO.		- star-s		
24	84	43	5	100.0	100.0	
36	.84	64	3	100.0	100.0	
48	84	7		,,,,,,	. 50.0	
60	84			.,		
72	84					
84	84			dian alian		
96	84	at.	, i.e.	a in		
108	84	272		10 101		
120	84				7- T	
132	84					
144	84					
148	84					
156	84			13 35		
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	
53.125	38.375	43	4	100.0 100.0	100.0	
19,125		21	6		ACT THE THE PARTY OF THE PARTY	
	50.625	29	5	100.0 100.0	100.0 100.0	
26.5 37	50.625 50.625	40	4	100.0	100.0	
		57	3	100.0	100.0	
53.125	50.625	<u> </u>				
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 4	100.0	100.0	
	74.25	58	3	100.0	100.0	
37	74.25	30	<u> </u>	100.0	100.0	

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

DESIGN LOAD

FIN FRAME

Window Sizo

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

- 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.

UNIT PERFORMANCE DATA REPORT #FTL-3621

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

·	TYPICAL ELEVATION	By: Miami-Dade Product Control
I/V	В	PRODUCT REVISED As complying with the Florida Building Code NOA-No. 24-0116.18 Expiration Date: 05/08/2028
60,000* /INDDW LENGTH 57,126* D.L. DPG.	1/8" TEMP. INSULATED	TEST SI DESIGN STRUCTU
\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \		TABULA 6' MAX. TYP. AT CORNERS
	57.126" 12.000" MA) D.L. OPG. TYP.	NOT G AND N CENTE

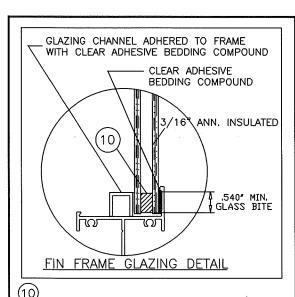
TESTED UNIT

WINDOW WIDTH

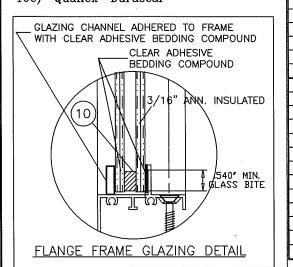
THOMAS J. SOTOS PROFESSIONAL ENGINEER FL LIC. # 55225 24-0116.18

SHEET DESCRIPTION: FIN/FLANGE FRAME WINDOW COMPARATIVE ANALYSIS & NOTES 1/2" INSULATED TEMPERED GLASS DRAWN BY: DATE: NO.: REVISIONS BY: DATE: 11/17/2023 **NELSON ERAZO DESCRIPTION:** DATE: Α DWG#: CWS-1228 **OCALA, FLORIDA 34474** SCALE: SHEET ₩WW.CWS.CC **AS NOTED** 6 OF 12

1900 SW 44TH AVE.



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



WINDOW COMPARATIVE ANALYSIS CHART FOR 3/16" ANN. INSULATED									
Windo	w Size	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	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				
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				4440				
24	30	16	6	100.0	100.0				
36	30	23	5	100.0	100.0				
48	30	30	5	98.8	98.8				
60	30	35	5	90.5	90.5				
72	30	37	5	80.9	80.9				
84	30	39	5	72.8	72.8				
96	30	42	6	68.7	68.7				
108	30	45	6	65.2	65.2				
120	30	48	6	63.1	63.1				
132	30								
144	30	1	California (California)	"A <u>-4</u>					
148	30	E							
156	30	continue to a con-			LALLS IN THE				

WINDOW COMPARATIVE ANALYSIS CHART FOR 3/16" ANN. INSULATED							
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	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	· · · · · · · · · · · · · · · · · · ·	and the second	- 5.0)	- managa ana ana		
120	36						
132	36			and a second			
144	36			here is a second			
148	36	- 100 mg	- 250 V	Marie Carlo			
156	36	- Guir-	- Hotels	, onion	and the second of the second o		
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			at the same of the			
96	48		- 1111	in land			
108	48	ije <u>"C.</u>					
120	48	S S		and the second			
132	48	- Approximation of the second		nterior de la constitución de la			
144	48	1775 1775	10 mm - 1		11.		
148	48	<u></u>					
156	48	from management	and the same of the	A DESCRIPTION OF THE PROPERTY	- maj-skipari		
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			Property of the second			
96	60	the secondary		15 15c			
108	60	<u></u>	773				
120	60						
132	60		1 1 2 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1				
144	60		1111		100 - 100 -		
148	60	- 13					
156	60	to the comment	no deels strong	·	makanan		

HEIGHT WIDTH NICHES NICHORS NICHORS SPACING (IN) POSITIVE NEGATIVE NEGATIVE 36 72 39 5 70.8 70.8 70.8 48 72 47 5 63.7 63.7 63.7 60 72 72 72 72 72 72 72 7	Windo	w Size	FIN F	RAME	DESIGN LOAD			DESIGN LOAD		
NICHES NICHES ANCHORS SPACING (IN) POSITIVE NEGATIVE	HEIGHT	WIDTH	QTY OF	AVG. ANCHOR	CAPACIT	Y - (PFS)				
24 72 37 5 100.0 100.0 36 72 39 5 70.8 70.8 48 72 47 5 63.7 63.7 60 72	INCHES	INCHES	ANCHORS	SPACING (IN)	POSITIVE	NEGATIVE				
36 72 39 5 70.8 70.8 48 72 47 5 63.7 63.7 60 72 73 72 74 <td< td=""><th></th><td>72</td><td>37</td><td>5</td><td>100.0</td><td></td></td<>		72	37	5	100.0					
48 72 47 5 63.7 63.7 60 72 73 72 74 7				5	70.8	70.8				
60 72 72 72 84 72 96 72 108 72 120 72 132 72 144 72 156 72 24 84 43 5 99.0 99.0 36 84 37 6 58.0 58.0 48 84<										
84 72 96 72 108 72 120 72 132 72 144 72 148 72 24 84 43 5 99.0 99.0 36 84 37 6 58.0 58.0 48 84 60 84 72 84 8	60									
84 72 96 72 108 72 120 72 132 72 144 72 148 72 24 84 43 5 99.0 99.0 36 84 37 6 58.0 58.0 48 84 60 84 72 84 8	72									
96 72 108 72 120 72 132 72 144 72 148 72 156 72 24 84 43 5 99.0 99.0 36 84 37 6 58.0 58.0 48 84 60 84		72		:3:: -1	-10 -10 -10 -10 -10 -10 -10 -10 -10 -10					
108 72 120 72 132 72 144 72 156 72 24 84 43 5 99.0 99.0 36 84 37 6 58.0 58.0 48 84 4 36 58.0 58.0 48 84 4 </td <th>96</th> <td></td> <td>975 200 200 200 200 200 200 200 200 200 20</td> <td>7.00 P</td> <td>The second secon</td> <td>17 16</td>	96		975 200 200 200 200 200 200 200 200 200 20	7.00 P	The second secon	17 16				
120 72 132 72 144 72 156 72 24 84 43 5 99.0 99.0 36 84 37 6 58.0 58.0 48 84 <td< td=""><th></th><td></td><td></td><td></td><td></td><td>***************************************</td></td<>						***************************************				
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48 84 60 84 72 84 84 84 96 84 108 84 120 84 132 84 144 84 148 84 19.125 26 11 8 19.125 26 15 7 100.0 100.0 26.5 26 26 21 6 100.0 19.125 38.375 16 7 100.0 100.0 19.125 38.375 26 30 5 100.0 100.0 100.0 26.5 38.375 30 5 100.0 100.0 37 38.375 30 5 4 70.0 19.125 50.625 21 6 100.										
60 84 72 84 84 84 96 84 108 84 120 84 132 84 144 84 148 84 19.125 26 11 8 19.125 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 19.125 38.375 30 5 100.0 100.0 26.5 38.375 30 5 100.0 100.0 37 38.375 30 5 100.0 100.0 37 38.375 36 5 33.1 83.1 19.125 50.625 21 6 100.0 100.0 26.5 50.625 <td< td=""><th></th><td></td><td></td><td></td><td><u> </u></td><td></td></td<>					<u> </u>					
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19.125 63 26 6 100.0 100.0 26.5 63 35 5 97.3 97.3 37 63 39 5 77.9 77.9 53.125 63 47 4 66.3 66.3 19.125 74.25 30 6 100.0 100.0 26.5 74.25 39 5 93.6 93.6 37 74.25 40 5 68.3 68.3		<u></u>	37	· 						
26.5 63 35 5 97.3 97.3 37 63 39 5 77.9 77.9 53.125 63 47 4 66.3 66.3 19.125 74.25 30 6 100.0 100.0 26.5 74.25 39 5 93.6 93.6 37 74.25 40 5 68.3 68.3	The second secon	58	46	4	70.7					
37 63 39 5 77.9 77.9 53.125 63 47 4 66.3 66.3 19.125 74.25 30 6 100.0 100.0 26.5 74.25 39 5 93.6 93.6 37 74.25 40 5 68.3 68.3					.8					
53.125 63 47 4 66.3 66.3 19.125 74.25 30 6 100.0 100.0 26.5 74.25 39 5 93.6 93.6 37 74.25 40 5 68.3 68.3			}							
19.125 74.25 30 6 100.0 100.0 26.5 74.25 39 5 93.6 93.6 37 74.25 40 5 68.3 68.3										
26.5 74.25 39 5 93.6 93.6 37 74.25 40 5 68.3 68.3	53.125	63	47	4		66.3				
37 74.25 40 5 68.3 68.3	19.125		30	6	100.0					
	26.5	74.25	39		93.6					
53.125 74.25			40	5	68.3	68.3				
	53.125	74.25	F							

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

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.

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.

UNIT PERFORMANCE DATA REPORT #FTL-3622

TEST SIZE = 60" wide X 60" hi (0) STRUCTURAL TEST LOAD = +101.9, -101.9 PSF

THOMAS J. SOTOS PROFESSIONAL ENGINEER

FL LIC. # 55225

1 8 2023

WATER INFILTRATION TEST = 18.0 PSF @ #FTL-3619 DESIGN LOADS = +67.90, -67.90 PSF (PA-202) DAYLIGHT OPENING = 57.1/8" wide X 57.1/8" hi TESTED GLASS = 3/16" ANNEALED GLASS

DOUBLE GLAZED INSULATED

WINDOW WIDTH 57.126" D.L. OPG. <u>6″</u>ÎMAX, TYP. AT CORNERS 60.000" WINDOW LENGTH 57.126" D.L. OPG. 3/16" ANN. INSULATED TYPICAL ELEVATION TESTED UNIT NOA-No. TYPICAL ELEVATION

TESTED UNIT

As complying with the Florida Building Code **Expiration Date: 05/08/2028** SHEET DESCRIPTION: FIN/FLANGE FRAME WINDOW COMPARATIVE ANALYSIS & NOTES

	5/8" INSULAT	ED ANN	EALED G	LASS					
	DRAWN BY:	DATE:	7/2023	NO.:	REVISIONS	BY:	DATE:		
	NELSON ERAZO	1 1/ 1 /	12023		DESCRIPTION:				
; ;3 ;3	REV. BY:	DATE:		Α			•		
307 907 907 907	1							rais c	
659 603 535	DWG #:		REV#:						
025 234 33 3	CWS-1228							1900 SW 44TH	I AVE.
	SCALE:		rr					OCALA, FLOR	IDA 34474

1900 SW 44TH AVE.

CWS 330 ALUMINUM NON IMPACT FLANGE & FIN FRAME NON-IMPACT PICTURE WINDOW

PRODUCT REVISED

24-0116.18

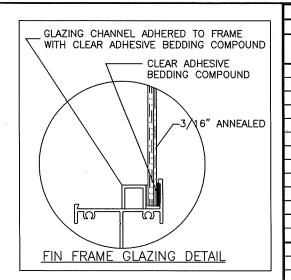
By: Manuel Peres

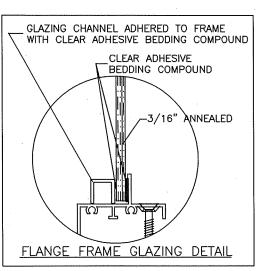
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Miami-Dade Product Control

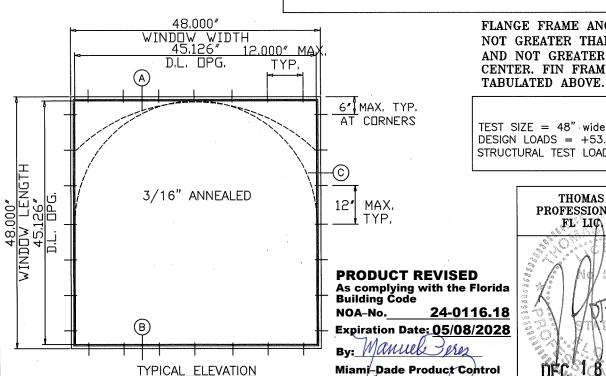
SHEET ₩WW.CWS.CC **AS NOTED** 7 OF 12





William William Control of the Control	COLUMN TO THE PARTY OF THE PART				eses no distribute dell'ese alle alle alle alle alle alle						State I Mark Street
WINDO	W COMPA	RATIVE ANA	LYSIS CHAR	T FOR 3/16" A	NNEALED	Γ	WINDO	OW COMPA	RATIVE AN	ALYSIS CHA	RT I
Windo	w Size	FIN F	RAME	DESIGN	LOAD	Γ	Windo	w Size	FIN F	RAME	
HEIGHT	WIDTH	QTY OF	AVG. ANCHOR	CAPACIT	'Y - (PFS)	Γ	HEIGHT	WIDTH	QTY OF	AVG. ANCHO	R
INCHES	INCHES	ANCHORS	SPACING (IN)	POSITIVE	NEGATIVE		INCHES	INCHES	ANCHORS	SPACING (IN)
24	18	10	8	100.0	100.0		24	36	15	8	
36	18	13	8	95.1	95.1		36	36	20	7	
48	18	16	8	87.8	87.8		48	36	21	8	
60	18	20	7	83.9	83.9		60	36	23	8	
. 72	18	23	7	81.5	81.5		72	36	* * * * * * * * * * * * * * * * * * *		1.55
84	18	26	7	79.9	79.9		84	36			
96	18	29	7	78.7	78.7		96	36	To indicate the second		- 58
108	18	32	7	77.8	77.8		108	36	. VIII 2711	343	484
120	18	36	7	77.1	77.1		120	36			
132	18					L	132	36			
144	18	The state of the s		24. 12.		L	144	36	i hii. aanaaddannaa	<u> </u>	
148	18			9.0			148	36	: %:	1.5	100
156	18	*****					156	36			
24	24	13	7	100.0	100.0		24	48	18	8	
36	24	15	8	80.3	80.3		36	48	21	8	
48	24	18	8	71.3	71.3		48	- 48	26	7	
60	24	21	8	66.9	66.9	L	60	48		3107	
72	24	24	8	64.2	64.2		72	48			
84	24	27	8	62.4	62.4		84	48		E.S.	117
96	24	30	8	61.0	61.0		96	48	1.50		
108	24	. III Inggress	ti negleti ini	· No. 11.1	Ambre Silver	L	108	48	iii mahaa	T 197	- 4
120	24	pandymon.		programme			120	48			
132	24		10 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	A Committee of the Comm	. i		132	48			
144	24			<u> </u>			144	48	0.000	markiji	100
148	24	#	<u> </u>				148	48			
156	24	tomoroman or chiefalala	more.	And analysis	respective control control		156	48	protection (manufacture)		100
24	30	14	7	89.2	89.2	lſ	24	60	21	8	
36	30	17	7	73.4	73.4	l [36	60	23	8	
48	30	19	8	62.3	62.3	lſ	48	60			
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120	30			memalos and haddin		lt	120	60			
132	30					lľ	132	60			
144	30	III					144	60		111	r - milita
148	30	<u> </u>	<u> </u>				148	60	125		
156	30		magain.	· · · · · · · · · · · · · · · · · · ·			156	60			
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Mills greater a season consequency is some		
Γ FOR 3/16"		
DESIG	N LOAD	
CAPAC	ITY - (PFS)	H
POSITIVE	NEGATIVE	11
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57.1	57.1	
53.5	53.5	-
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TESTED UNIT

FLANGE FRAME ANCHORS ARE TO BE SPACED WINDOW FRAME SIZE NOTE: NOT GREATER THAN 6" FROM EACH CORNER, 1. THE WINDOW SIZE SHOWN ON CHARTS ARE FOR THE AND NOT GREATER THAN 12" CENTER TO CENTER. FIN FRAME ANCHORS SPACED AS

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

UNIT PERFORMANCE DATA REPORT #FTL-3623

SHEET DESCRIPTION:

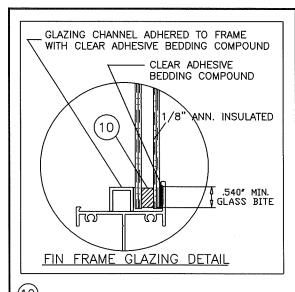
TEST SIZE = 48 wide X 48 hi (O) DESIGN LOADS = +53.50, -53.50 PSF (PA-202) DAYLIGHT OPENING = $45 \ 1/8$ " wide X $45 \ 1/8$ " hi STRUCTURAL TEST LOAD = +80.3, -80.3 PSF

WATER INFILTRATION TEST = 18.0 PSF @ #FTL-3619 TESTED GLASS = 3/16" ANNEALED GLASS

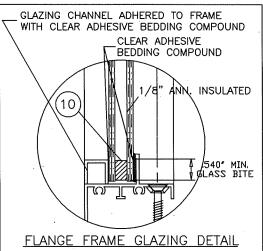
THOMAS J. SOTOS PROFESSIONAL ENGINEER FL LIC # 55225	FIN/FLANGE COMPARATIVE 3/16"ANNE	FRAME V	& NOI	res				
\$ 9 t English 70%	DRAWN BY:	DATE: 11/17/2	2022	NO.:	REVISIONS	BY:	DATE:	
A No. 55225	NELSON ERAZO		2023	-	DESCRIPTION:			
V:	REV. BY:	DATE:		Α				
Allas	3						·	
50 WARPOR WE	DWG #:	R	EV#:					
24.1/1	CWS-1228							1900 SW 44TH AVE.
242 4 0 man	SCALE:	SHE	FT					OCALA, FLORIDA 34474
DEC 108 ZUZ3	AS NOTED	8 OF						₩WW.CWS.CC

DESIGN LOAD Window Size FIN FRAME **CAPACITY - (PFS)** IEIGHT WIDTH QTY OF AVG. ANCHOR **ANCHORS** SPACING (IN) POSITIVE | NEGATIVE INCHES INCHES 24 64.2 64.2 72 24 36 72 48 72 60 72 72 72 84 72 96 72 108 72 120 72 132 72 144 72 148 72 156 72 24 62.4 62.4 84 27 36 84 48 84 60 84 72 84 84 84 96 84 108 84 120 84 132 84 144 84 148 84 156 84 19.125 26 100.0 100.0 11 26.5 26 15 96.9 96.9 37 76.1 76.1 16 26 53.125 26 20 65.4 65.4 19.125 38.375 14 89.4 89.4 26.5 38.375 16 74.0 74.0 37 67.0 38.375 21 67.0 53.125 38.375 23 52.4 52.4 19.125 50.625 82.8 82.8 17 26.5 50.625 19 65.6 65.6 37 50.625 22 54.7 54.7 53.125 50.625 19.125 80.4 80.4 58 19 26.5 58 21 62.8 62.8 8 37 58 24 51.0 51.0 53.125 58 79.2 19.125 63 21 79.2 26.5 63 22 59.9 59.9 37 63 53.125 63 77.1 19.125 74.25 24 77.1 23 8 54.5 26.5 74.25 54.5 37 74.25 53.125 74.25

WINDOW COMPARATIVE ANALYSIS CHART FOR 3/16" ANNEALED



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



WINDOW	WINDOW COMPARATIVE ANALYSIS CHART FOR 1/8" ANN. INSULATED									
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	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									
144	18			10 to						
148	18		X X	112						
156	18	100 100 100 100 100 100 100 100 100 100	d							
24	24	13	7	100.0	100.0					
36	24	15	8	81.0	81.0					
48	24	18	88	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		للله سي جالما							
120	24				and the same of th					
132	24	· · · · · · · · · · · · · · · · · · ·	and the second of							
144	24	in the state of th								
148	24	esi esi			Y Y					
156	24				154					
24	30	14	7	90.0	90.0					
36	30	17	7	74.1	74.1					
48	30	20	7	62.8	62.8					
60	30	22	8	57.6	57.6					
72	30	21	9	45.2	45.2					
84	30									
96	30									
108	30	and the second second	. 44							
120	30	. Williams W. C.	garan Angungan anan	1000 magainten						
132	30				. F					
144	30		100 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	INTO COMPANY	**************************************					
148	30				- 44					
156	30	101	il		Alam P					

WINDOW	COMPAR	ATIVE ANAL	YSIS CHART	FOR 1/8" 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	15	8	81.0	81.0
36	36	20	7	72.0	72.0
48	36	21	8	57.6	57.6
60	36	24	8	51.4	51.4
72	36	a day in			a examina a tratta
84	36	<u>,</u>			
96	36		e ative a second	The second secon	The second secon
108	36			111111111111111111111111111111111111111	
120	36		W. January	A manage of the contract of th	maina di cara
132	36		eg San	and the state of t	Ara i i
144	36				
148	36		iii		15
156	36	. III			i i i i i i i i i i i i i i i i i i i
24	48	18	8	72.0	72.0
36	48	21	8	57.6	57.6
48	48	27	7	54.0	54.0
60	48		1107 1111		
72	48		The second secon		
84	48	- 11 111		a a sa	
96	48	7.7500 (52)		<u> </u>	
108	48				
120	48		name terrologic		
132	48				
144	48				
148	48	100			1.511 11.511
156	48		fy III.		
24	60	19	8	62.7	62.7
36	60	24	8	51.4	51.4
48	60	**************************************	200 August 100 August	21 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	i i i i i i i i i i i i i i i i i i i
PRODU	CT REV	SED			
As Zemp	ying ⁶ with	the Florida			
Building					
NOA6No.	60 2 4	-0116.18		to the second se	
Expiratio	n Date: 0	5/08/2028	1507 1507 1007		
ву: Ма	A -	eres	and a subtraction of	. A. Ponnaco	
			manas all		
	de Produ	ct Control		Annual Control	gran Salikeen
148	60	. <u> </u>			
156	60		100		againman stop

WINDOW WIDTH 45.126″ 1; 12.000" MAX D.L. OPG. TYP. 6" MAX. TYP. AT CORNERS 48.000" WINDOW LENGTH 45.126" D.L. OPG. 1/8" ANN. INSULATED MAX. TYP. PRODUCT REVISED As complying with the Florida Building Code NOA-No. 24-0116.18 **Expiration Date: 05/08/2028** By: Manuel Peres TYPICAL ELEVATION Miami-Dade Product Control

TESTED UNIT

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

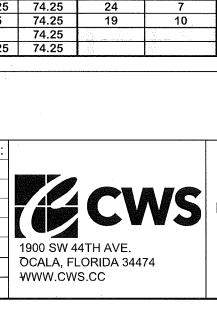
FL LIC. # 55225

WINDOW FRAME SIZE NOTE:

UNIT PERFORMANCE DATA REPORT #FTL-3625

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

53.125 1. THE WINDOW SIZE SHOWN ON CHARTS ARE FOR THE 19.125 FLANGE WINDOW EXTERIOR OVERALL DIMENSION. 26.5 2. ADD 1 1/8" TO THE FLANGE WINDOW SIZE TO DETERMINE 37 THE FIN WINDOW EXTERIOR OVERALL DIMENSION. 53.125 19.125 26.5 WATER INFILTRATION TEST = 18.0 PSF @ #FTL-3619 37 53.125 DOUBLE GLAZED INSULATED SHEET DESCRIPTION: FIN/FLANGE FRAME WINDOW COMPARATIVE ANALYSIS & NOTES 1/2" INSULATED ANNEALED GLASS DRAWN BY: **REVISIONS** BY: DATE: NO.: 11/17/2023 **NELSON ERAZO DESCRIPTION:** DATE: Α DWG #: CWS-1228 SCALE: SHEET AS NOTED 9 OF 12



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

AVG. ANCHOR

SPACING (IN)

10

7

8

8

7

7

8

7

8

8

DESIGN LOAD

CAPACITY - (PFS)

NEGATIVE

52.4

47.8

100.0

97.8

76.8

66.0

90.3

74.7

67.6

52.9

83.5

66.2

55.2

81.1

63.3

51.4

79.9

55.0

77.8

45.5

POSITIVE

52.4

47.8

100.0

97.8

76.8

66.0

90.3

74.7

67.6

52.9

83.5

66.2

55.2

81.1

63.3

51.4

79.9

55.0

77.8

45.5

FIN FRAME

QTY OF

ANCHORS

20

21

11

15

16

20

14

16

21

23

18

19

22

19

21

24

21

20

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

HEIGHT

INCHES

24

36

48

60

72

84

96

108 120

132

144

148

156

24

36

48

60 72

84

96

108

120

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156

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53.125

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19.125

26.5

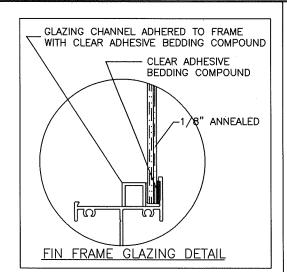
37

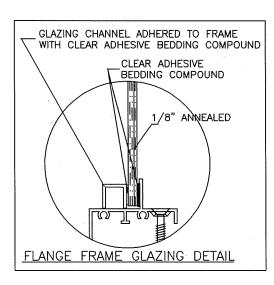
53.125

19.125

26.5

37





WINDOW COMPARATIVE ANALYSIS CHART FOR 1/8" ANNEALED MONO								
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	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	T	7 - 200 - 7 - 200 - 7 - 200 - 7 - 200 - 20					
144	18	· 175	11					
148	18	and the	- Paymen Carlo					
156	18				ikan i je sam			
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	Alian S						
120	24							
132	24							
144	24							
148	24		100					
156	24				and the second			
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		1		1.00			
96	30		1.11	<u>_</u>	1			
108	30				1000 mm 1000 m			
120	30	- 44		100	3 8			
132	30	· ·	- 4		- 4			
144	30		100 Control Co		100 min 100 mi			
148	30			-				
156	30							

WINDOW	COMPARA	ATIVE ANAL'	YSIS CHART F	OR 1/8" ANNE	ALED MONO
Windo	w Size	FIN F	RAME	DESIGN	LOAD
HEIGHT	WIDTH	QTY OF	AVG. ANCHOR	CAPACIT	Y - (PFS)
INCHES	INCHES	ANCHORS	SPACING (IN)	POSITIVE	NÈGATIVE
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	Control Speakers, con	111 (1111)	· · · · · · · · · · · · · · · · · · ·	· · · · · · · · · · · · · · · · · · ·
84	36	a agi sa mina.		Aller on Consequent Constant	
96	36	To the second se			in the second se
108	36	10.			
120	36	*			
132	36	- 100	1000	8	- Annual
144	36				11.
148	36	1.00	- 1		
156	36			·	- tom
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	. 12.	300	en englise a man	1.77.
72	48	1 - 4000000000	to the polynomia	The Control of the Co	- Older Communication of the C
84	48	. 198		2	71. 198
96	48			15 17 17 17 17 17 17 17 17 17 17 17 17 17	
108	48	. 4	<u>, ja</u>	e in the second	
120	48				
132	48			5 20 20 20 20 20 20 20 20 20 20 20 20 20	
144	48	pol	1.00 mm.	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	
148	48	ب سلقید			
156	48			The following the state of the	
24	60	21	8	34.8	34.8
36	60	23	8	28.6	28.6
48	60	1000	1714.201.170		
60	60		1 100	4	
72	60				100000000000000000000000000000000000000
84	60				
96	60	1 	<u> </u>		
108	60				7
120	60		<u> </u>		
132	60		<u> </u>	70	
144	60		1 2		
148	60				
156	60				

	48.000" WINDOW WIDTH 45.126" 12.000" NOTE: D.L. OPG. TYP.	FLANC NOT (AND) CENTI TABUI
48,000* WINDOW LENGTH 45,126* D.L. OPG.	1/8" ANNEALED MONO	G' MAX. TYP. AT CORNERS TEST DESIGN STRUC 12" MAX. TYP. PRODUCT REVISED As complying with the Florida Building Code NOA-No. 24-0116.18
1 1	TYPICAL ELEVATION TESTED UNIT	By: Manuel Product Control

FLANGE FRAME ANCHORS ARE TO BE SPACED WINDOW FRAME SIZE NOTE: AND NOT GREATER THAN 12" CENTER TO CENTER. FIN FRAME ANCHORS SPACED AS TABULATED ABOVE.

- NOT GREATER THAN 6" FROM EACH CORNER, 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.

UNIT PERFORMANCE DATA REPORT #FTL-3624

WATER INFILTRATION TEST = 18.0 PSF @ #FTL-3619 TEST SIZE = 48" wide X 48" hi (O) DESIGN LOADS = +30.00, -30.00 PSF (PA-202) DAYLIGHT OPENING = $45 \ 1/8$ " wide X $45 \ 1/8$ " hi TESTED GLASS = 1/8" ANNEALED GLASS STRUCTURAL TEST LOAD = +45.00, -45.00 PSF

THOMAS J. SOTOS PROFESSIONAL ENGINEER FL LIC. # 55225	COMPARATIVE	ON: FRAME WINDOW ANALYSIS & NO CALED GLASS				
SO. WAENS YOU	DRAWN BY:	DATE: 11/17/2023	NO.:	REVISIONS	BY:	DATE:
Np) 55225	NELSON ERAZO			DESCRIPTION:	1	
3 /: ND 55225 : x =	REV. BY:	DATE:	Α			
////	,					
= 3\1'H677 0= :03	DWG #:	REV #:				
	CWS-1228					
new 1 Al ana	SCALE:	SHEET				
DATE	AS NOTED	10 OF 12				

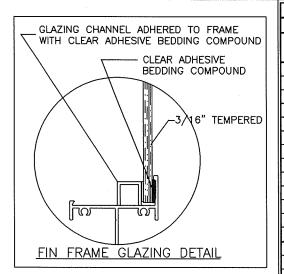
Windo	w Size	CALLED AND ADDRESS OF THE PARTY	RAME	DESIGN LOAD			
HEIGHT	WIDTH	QTY OF	AVG. ANCHOR				
INCHES	INCHES	ANCHORS	SPACING (IN)	POSITIVE	NEGATIVE		
24	72	24	8	29.1	29.1		
36	72	Annual Control	19. 180	<u> </u>			
48	72	<u>N.</u>		14 15 14.			
60	72			· · · · · · · · · · · · · · · · · · ·			
72	72	List tier					
84	72			100 mg			
96	72				. 32.2		
108	72						
120	72			The second secon	reproduction of the second		
132	72	Albania					
144	72	<u> </u>					
148	72			25 1 25 1 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	a 245		
156	72			00.0			
24	84	27	8	26.6	26.6		
36 48	84 84	2000 2000 2000 2000 2000 2000 2000 200					
60	84		Att				
72	84						
84	84		A STATE OF THE STA	The second secon			
96	84	Andrew Comment					
108	84	100	131	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1			
120	84			2.5	242		
132	84		1.2	25 25 25			
144	84						
148	84						
156	84	134					
19.125	26	11	. 8	59.5	59.5		
26.5	26	15	7	54.4	54.4		
37	26	16	7	42.7	42.7		
53.125	26	20	7	36.7	36.7		
19.125	38.375	14	8	50.1	50.1		
26.5	38.375	16	8	41.5	41.5		
37	38.375	21	7	37.6	37.6		
53.125	38.375	23	7	29.4	29.4		
19.125	50.625	17	8	46.4	46.4		
26.5	50.625	19	8	36.8	36.8		
37	50.625	22	7	30.7	30.7		
53.125	50.625	- 1g., 11			- 11		
19.125	58	19	8	45.1	45.1		
26.5	58	21	8	35.1	35.1		
37 -	58	24	7	28.6	28.6		
53.125	58						
19.125	63	21	7	44.4	44.4		
26.5	63	22	8	30.5	30.5		
37	63	1.11 1.11 1.11	. 15		to the state of th		
53.125	63						
19.125	74.25	24	7	43.2	43.2		
26.5	74.25	23	8	25.3	25.3		
37	74.25				111 1.48		
53.125	74.25		11.00	33	I 55-		

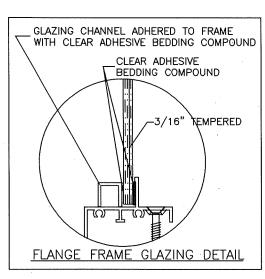
WINDOW COMPARATIVE ANALYSIS CHART FOR 1/8" ANNEALED MONO

FRAME NON-IMPACT **PICTURE WINDOW** 1900 SW 44TH AVE. OCALA, FLORIDA 34474 ₩WW.CWS.CC

CWS 330 ALUMINUM

NON IMPACT FLANGE & FIN

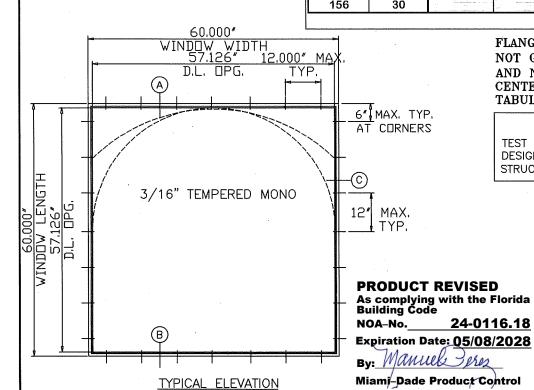




WINDOW COMPARATIVE ANALYSIS CHART FOR 3/16" TEMPERED									
Windo	Window Size FIN FRAME DESIGN LOAD			LOAD					
HEIGHT	WIDTH	QTY OF	AVG. ANCHOR	CAPACIT	Y - (PFS)				
INCHES	INCHES	ANCHORS	SPACING (IN)	POSITIVE	NEGATIVE				
24	18	10	8	100.0	100.0				
36	18	14	7	100.0	100.0				
48	18	19	6	100.0	100.0				
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				
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	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	67	4	100.0	100.0				
144	24	73	4	100.0	100.0				
148	24	75	4	100.0	100.0				
156	24		757	***					
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			a a second	1 11				
144	30		Top (1) (1) (1) (1) (1) (1) (1) (1) (1) (1)	1000					
148	30								
156	30	i i i i i i i i i i i i i i i i i i i			***************************************				

24-0116.18

WINDOW COMPARATIVE ANALYSIS CHART FOR 3/16" 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			Annual Control of the	CONTRACTOR CONTRACTOR			
120	36				and the second			
132	36							
144	36		- 111 - 119 - 1	4				
148	36			The second secon	and the second second			
156	36		The second secon					
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		13.15 	. 155 				
96	48	1	1111	na na				
108	48							
120	48				.,			
132	48				2784			
144	48		17.0		100			
148	48	A Salar Company	15 to 100 to					
156	48				- 4			
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							
96	60			101				
108	60		i kyri — minini	41 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	1.121.1			
120	60							
132	60				and the second			
144	60		- 100 - 100	1100 1400-1100 - 1100 - 1100 1100-1100 - 1100 - 1100 - 1100 - 1100 - 1100 - 1100 - 1100 - 1100 - 1100 - 1100 - 1100				
148	60	14	165		1000			
156	60				200 St Sandard States			



TESTED UNIT

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.

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.

UNIT PERFORMANCE DATA REPORT #FTL-3626

TEST SIZE = 60" wide X 60" hi (0) WATER INFILTRATION TEST = 18.0 PSF @ #FTL-3619 DESIGN LOADS = +151.00, -151.00 PSF (PA-202) DAYLIGHT OPENING = $57 \frac{1}{8}$ wide X $57 \frac{1}{8}$ hi STRUCTURAL TEST LOAD = +226.50, -226.50 PSF TESTED GLASS = 3/16" TEMPERED GLASS

THOMAS J. SOTOS PROFESSIONAL ENGINEER FL LIC. # 55225	COMPARATIVE	N: FRAME WINDOW ANALYSIS & NOTES PERED GLASS					
839 6 Mas 662	DRAWN BY:	DATE:	7/2022	NO.:	REVISIONS	BY:	DATE:
5 AND 15225	NELSON ERAZO	1 17 17	7/2023		DESCRIPTION:		-
	REV. BY:	DATE:		Α			
30 W 52 OF WE	DWG #:		REV #:				
Pal Valence	CWS-1228						
DEP 18 2022	SCALE:		EET				
DATE	AS NOTED	11 -	OF 12		•		

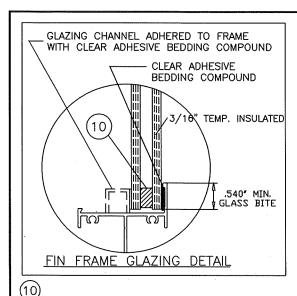
FIN FRAME **DESIGN LOAD** Window Size **CAPACITY - (PFS) HEIGHT** WIDTH QTY OF AVG. ANCHOR NEGATIVE ANCHORS SPACING (IN) POSITIVE INCHES INCHES 100.0 100.0 24 72 37 36 100.0 100.0 72 55 3 48 72 73 3 100.0 100.0 60 72 72 72 72 84 96 72 108 72 120 72 132 72 144 72 148 72 156 72 24 84 43 100.0 100.0 36 100.0 100.0 84 48 84 60 72 84 96 84 108 84 120 84 132 84 144 84 148 84 156 84 100.0 19.125 26 100.0 11 26.5 26 15 100.0 100.0 37 26 21 100.0 100.0 53.125 26 100.0 30 5 100.0 19.125 38.375 16 100.0 100.0 26.5 38.375 22 100.0 100.0 5 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 50.625 100.0 100.0 40 4 53.125 50.625 57 100.0 100.0 19.125 58 100.0 24 6 100.0 26.5 58 33 100.0 100.0 5 37 58 46 100.0 100.0 4 53.125 58 65 3 100.0 100.0 100.0 19.125 100.0 63 26 6 26.5 63 36 100.0 100.0 4 37 50 63 100.0 100.0 4 53.125 100.0 100.0 63 71 3 19.125 74.25 100.0 100.0 30 6 26.5 74.25 42 100.0 100.0 4 37 74.25 58 100.0 100.0 3 53.125 74.25

WINDOW COMPARATIVE ANALYSIS CHART FOR 3/16" TEMPERED

1900 SW 44TH AVE.

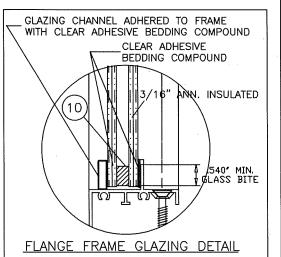
OCALA, FLORIDA 34474

₩WW.CWS.CC



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

"Quanex" Duraseal 10c)



WINDOW COMPARATIVE ANALYSIS CHART FOR 5/8" INSULATED TEMPERED					WINDOW COMPARATIVE ANALYSIS CHART FOR 5/8" INSULATED TEMPERED						
FIN FRAME		DESIGN LOAD			FIN FRAME		DESIGN LOAD				
MDTH	HEIGHT	QTY OF	AVG. ANCHOR	CAPACIT		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		1 1997 22		
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	ere		· · · · · · · · · · · · · · · · · · ·	and the fact of the second sec
132	30	84	3	100.0	100.0	132	60			<u> </u>	
144	30	91	3	100.0	100.0	144	60			and the second	
148	30	94	3	100.0	100.0	148	60			<u> </u>	
156	30	99	3	100.0	100.0	156	60		- *************************************		

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.

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.

UNIT PERFORMANCE DATA REPORT #HETI # 09-2604

TEST SIZE = 84" wide X 84" hi (0) STRUCTURAL TEST LOAD = +135.00, -135.00 PSF

WATER INFILTRATION TEST = 18.0 PSF @ #FTL-3619 DESIGN LOADS = +90.00, -90.00 PSF (PA-202) DAYLIGHT OPENING = 81 1/8" wide X 81 1/8" hi TESTED GLASS = 3/16" TEMPERED GLASS

DOUBLE GLAZED INSULATED SHEET DESCRIPTION: FIN/FLANGE FRAME WINDOW COMPARATIVE ANALYSIS & NOTES 5/8" INSULATED TEMPERED GLASS DRAWN BY: NO.: **REVISIONS** BY: DATE: 11/17/2023 **NELSON ERAZO DESCRIPTION:** Α DWG#: CWS-1228 SCALE: SHEET AS NOTED 12 OF 12

53.125 74.25 84 3 1900 SW 44TH AVE. OCALA, FLORIDA 34474 ₩WW.CWS.CC

WINDOW COMPARATIVE ANALYSIS CHART FOR 5/8" INSULATED TEMPERED

AVG. ANCHOR

SPACING (IN)

3

3

2

5

3

3

2

2

5

5

4

5

4

4

3

6

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

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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

100.0

100.0

POSITIVE

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

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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

WIDTH | HEIGHT

INCHES

72

72

72

72

72

72

72

72

72

72

72

72

72

84

84

84

84

84

84

84

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84

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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

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

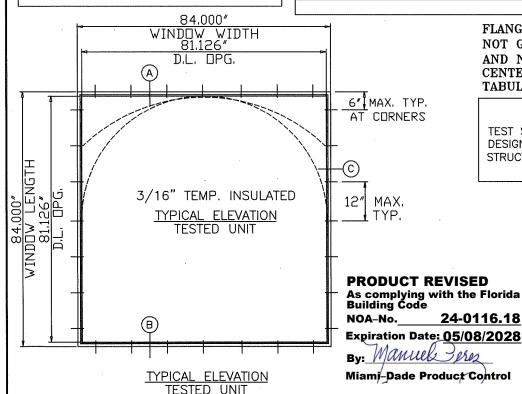
53.125

19.125

26.5

37

CWS 330 ALUMINUM NON IMPACT FLANGE & FIN FRAME NON-IMPACT PICTURE WINDOW



THOMAS J. SOTOS PROFESSIONAL ENGINEER FL LIC/# 55225

1 8 2023

24-0116.18