

CGI Windows and Doors, Inc. 3780 W 104th Street Hialeah, FL 33018

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 "360" Aluminum Single Hung Window – L.M.I.

APPROVAL DOCUMENT: Drawing No. **SH360LM-NOA**, titled "SH360 Alum. Single Hung Window (LMI/SMI)", sheets 1 through 14 of 14, dated 01/10/20, with revision A dated 06/29/20, prepared by manufacturer, signed and sealed by Anthony Lynn Miller, P.E., bearing the Miami-Dade County Product Control Revision stamp with the Notice of Acceptance number and expiration date by the Miami-Dade County Product Control Section.

MISSILE IMPACT RATING: Large and Small Missile Impact Resistant.

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

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

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

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

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

This NOA **revises NOA# 20-0213.03** and consists of this page 1 and evidence pages E-1, E-2, E-3, E-4 and E-5, as well as approval document mentioned above.

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

MIAMI-DADE COUNTY APPROVED

NOA No. 20-0722.13 Expiration Date: May 05, 2025 Approval Date: October 08, 2020 Page 1

1. EVIDENCE SUBMITTED UNDER PREVIOUS NOA's

A. DRAWINGS

- 1. Manufacturer's die drawings and sections. *(Submitted under NOA No.05-0215.02)*
- Drawing No SH360LM-NOA, titled "Series '360'0 Alum Single Hung Wdw (LMI/SMI)", sheets 1 through 14 of 14, dated 01/10/20, prepared by manufacturer, signed and sealed by Anthony Lynn Miller, P.E. (Submitted under NOA No.20-0213.03)

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 7500 PVC fixed window, to qualify DuPont "Butacite" PVB interlayer, Duraseal® and Super Spacer® insulating glass spacer, prepared by Certified Test Laboratories, Test Report No. CTLA-3056 WA, dated 03/03/15, signed and sealed by Ramesh C. Patel, P.E. (Submitted under NOA No.15-0512.07)

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

2) Large Missile Impact Test per FBC, TAS 201-94

3) Cyclic Wind Pressure Loading per FBC, TAS 203-94

along with marked-up drawings and installation diagram of a series 7400 PVC project out window, to qualify DuPont "Butacite" PVB interlayer, Duraseal® and Super Spacer® insulating glass spacer, prepared by Certified Test Laboratories, Test Report No. CTLA-3056 WB, dated 03/03/15, signed and sealed by Ramesh C. Patel, P.E. (Submitted under NOA No.15-0512.07)

3. 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 238 aluminum fixed window, to qualify DuPont "Butacite" PVB interlayer, Duraseal® and Super Spacer® insulating glass spacer, prepared by Certified Test Laboratories, Test Report No. CTLA-3056 WC, dated 04/16/15, signed and sealed by Ramesh C. Patel, P.E. (Submitted under NOA No.15-0512.07)

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Manuel Perez, P.E. Product Control Examiner NOA No. 20-0722.13 Expiration Date: May 05, 2025 Approval Date: October 08, 2020

1. EVIDENCE SUBMITTED UNDER PREVIOUS NOA's (CONTINUED)

B. TESTS (CONTINUED)

- 4. Test reports on: 1) Air Infiltration Test, per FBC, TAS 202-94
 - 2) Uniform Static Air Pressure Test, Loading per FBC TAS 202-94
 - 3) Water Resistance Test, per FBC, TAS 202-94
 - 4) Large Missile Impact Test per FBC, TAS 201-94
 - 5) Cyclic Wind Pressure Loading per FBC, TAS 203-94
 - 6) Forced Entry Test, per FBC 2411.3.2.1, TAS 202-94

along with marked-up drawings and installation diagram of an aluminum single hung window, prepared by Hurricane Test Laboratory, LLC, Test Report No.

HTL-0080-0402-08, specimens 1, 2, 3 and 4, dated 04/03/08 to 07/22/08, signed and sealed by Vinu J. Abraham, P.E.

(Submitted under NOA No. 08-1208.06)

- 5. Test reports on: 1) Air Infiltration Test, per FBC, TAS 202-94
 - 2) Uniform Static Air Pressure Test, Loading per FBC TAS 202-94
 - 3) Water Resistance Test, per FBC, TAS 202-94
 - 4) Large Missile Impact Test per FBC, TAS 201-94
 - 5) Cyclic Wind Pressure Loading per FBC, TAS 203-94
 - 6) Forced Entry Test, per FBC 2411.3.2.1, TAS 202-94

along with marked-up drawings and installation diagram of an aluminum single hung window, prepared by Hurricane Test Laboratory, LLC, Test Report No. **HTL-0080-0323-04**, **specimens 1, 2, 3, 4, 5, 6, 7** and **9**, dated 03/29/04 to 04/02/04, signed and sealed by Vinu J. Abraham, P.E. *(Submitted under NOA No. 05-0215.02)*

C. CALCULATIONS

- Anchor verification calculations and structural analysis, complying with FBC 6th Edition (2017), dated 08/30/17 and revised on 12/12/17, prepared by Al-Farooq Corporation, signed and sealed by Javad Ahmad, P.E. (Submitted under NOA No.17-1018.06)
- 2. Glazing complies with ASTM E1300-09

D. QUALITY ASSURANCE

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

E. MATERIAL CERTIFICATIONS

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

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Manuel Perez, P.E. Product Control Examiner NOA No. 20-0722.13 Expiration Date: May 05, 2025 Approval Date: October 08, 2020

EVIDENCE SUBMITTED UNDER PREVIOUS NOA's (CONTINUED) 1.

F. **MATERIAL CERTIFICATIONS** (CONTINUED)

- 2. Notice of Acceptance No. 19-0305.02 issued to Kuraray America, Inc. for their "Trosifol® Ultraclear, Clear and Color PVB Glass Interlayers" dated 05/09/19, expiring on 07/08/24.
- 3. Notice of Acceptance No. 17-0712.03 issued to Eastman Chemical Company (MA) for their "Saflex CP - Saflex and Saflex HP Composite Glass Interlayers with PET Core" dated 09/07/17, expiring on 12/11/18.
- 4. Notice of Acceptance No. 17-0712.04 issued to Eastman Chemical Company (MA) for their "Saflex HP Clear or Color Glass Interlayers" dated 09/07/17, expiring on 04/14/18.

G. **STATEMENTS**

Statement letter of conformance, complying with FBC 6th Edition (2017) and of no 1. financial interest, dated February 10, 2020, issued by manufacturer, signed and sealed by Anthony Lynn Miller, P.E.

(Submitted under NOA No. 20-0213.03)

Notification of Successor Engineer for manufacturer's NOA document per Section 2. 61G15-27.001 of the Florida Administrative Code, notifying original engineer that the successor engineer is assuming full professional and legal responsibility for all engineering documents pertaining to this NOA, dated July 16, 2020, signed and sealed by Anthony Lynn Miller, P.E.

(Submitted under NOA No.20-0213.03)

- Laboratory compliance letter for Test Report No. HTL-0080-0402-08, specimens 1, 3. 2, 3 and 4, issued by Hurricane Test Laboratory, LLC, dated July 22, 2008, signed and sealed by Vinu J. Abraham, P.E. (Submitted under NOA No.08-1208.06)
- 4. Laboratory compliance letter for Test Report No. HTL-0080-0323-04, specimens 1, 2, 3, 4, 5, 6, 7 and 9, issued by Hurricane Test Laboratory, LLC, dated April 02, 2004, signed and sealed by Vinu J. Abraham, P.E. (Submitted under NOA No.05-0215.02)
- Test Proposal for the qualification of **Butacite®** PVB glass interlayer by DuPont as 5. well as **Duraseal®** and **Super Spacer®** Standard warm-edge flexible insulating glass spacers, dated December 16, 2014, issued by RER, Product Control Section, signed by Jaime Gascon, Supervisor.

(Submitted under NOA No.15-0512.07)

Private Labeling Agreement document between CGI Windows and Doors, Inc. and 6. WinDoor, Inc. in conformance to Product Control guidelines, dated 09/05/18, signed by Dean M. Ruark, P.E.

(Submitted under NOA No. 18-1001.18)

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Manuel Perez, P.E. **Product Control Examiner** NOA No. 20-0722.13 Expiration Date: May 05, 2025 Approval Date: October 08, 2020

1. EVIDENCE SUBMITTED UNDER PREVIOUS NOA's (CONTINUED)

F. OTHERS

1. Notice of Acceptance No. 17-1018.06, issued to CGI Windows & Doors, Inc. for their Series "360" Aluminum Single Hung Window - L.M.I., approved on 01/11/18 and expiring on 05/05/20.

2. NEW EVIDENCE SUBMITTED

A. DRAWINGS

1. Drawing No **SH360LM-NOA**, titled "SH360 Alum Single Hung Window (LMI/SMI)", sheets 1 through 14 of 14, dated 01/10/20, with revision A dated 06/29/20, prepared by manufacturer, signed and sealed by Anthony Lynn Miller, P.E.

B. TESTS

- 1. Test reports on: 1) Air Infiltration Test, per FBC, TAS 202-94
 - 2) Uniform Static Air Pressure Test, Loading per FBC, TAS 202-94
 - 3) Water Resistance Test, per FBC, TAS 202-94
 - 4) Large Missile Impact Test per FBC, TAS 201-94
 - 5) Cyclic Wind Pressure Loading per FBC, TAS 203-94
 - 6) Forced Entry Test, per ASTM F588 and TAS 202-94

along with marked-up drawings and installation diagram of all PGT Industries, Inc. CGI Windows and Doors, Inc., representative units listed below and tested to qualify **Dowsil 791** and **Dowsil 983** silicones, per Proposal #19-1155TP, prepared by Fenestration Testing Laboratory, Inc., Test Reports No.:

PGT Industries, Inc. test specimens:

FTL-7897, PGT PW5520 PVC Fixed Window (unit 6 in proposal), dated 09/03/14
FTL-20-2107.1, PGT SGD780 Aluminum Sliding Glass Door (unit 7 in proposal)
FTL-20-2107.2, PGT CA740 Alum. Outswing Casement Window (unit 8 in proposal)
FTL-20-2107.3, PGT PW7620A Aluminum Fixed Window (unit 9 in proposal) and
FTL-20-2107.4, PGT PW7620A Aluminum Fixed Window (unit 10 in proposal)
all dated 07/13/20 and signed and sealed by Idalmis Ortega, P.E.

CGI Windows and Doors Inc. test specimens:

FTL-20-2108.1, CGI SH360 Aluminum Single Hung Window (unit 1 in proposal) FTL-20-2108.2, CGI CA238 Alum. Outswing Casement Window (unit 2 in proposal) FTL-20-2108.3, CGI SGD560 Aluminum Sliding Glass Door (unit 3 in proposal) FTL-20-2108.4, CGI PW410 Aluminum Fixed Window (unit 4 in proposal) and FTL-20-2108.5, CGI SH360 Aluminum Single Hung Window (unit 5 in proposal) all dated 08/24/20 and signed and sealed by Idalmis Ortega, P.E

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Manuel Perez, P.E. Product Control Examiner NOA No. 20-0722.13 Expiration Date: May 05, 2025 Approval Date: October 08, 2020

2. NEW EVIDENCE SUBMITTED (CONTINUED)

C. CALCULATIONS

1. Anchor verification calculations and structural analysis, complying with FBC 7th Edition (2020), dated 06/30/20, prepared by manufacturer, signed and sealed by Anthony Lynn Miller, P.E.

D. QUALITY ASSURANCE

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

E. MATERIAL CERTIFICATIONS

- 1. Notice of Acceptance No. 18-0725.11 issued to Kuraray America, Inc. for their "Kuraray SentryGlas[®] Xtra[™] (SGX[™]) Clear Glass Interlayer" dated 05/23/19, expiring on 05/23/24.
- 2. Notice of Acceptance No. 19-0305.02 issued to Kuraray America, Inc. for their "Trosifol® Ultraclear, Clear and Color PVB Glass Interlayers" dated 05/09/19, expiring on 07/08/24.
- 3. Notice of Acceptance No. 20-0622.03 issued to Eastman Chemical Company (MA) for their "Saflex Storm Saflex and Saflex HP Composite Glass Interlayers with PET Core" dated 08/06/20, expiring on 12/11/23.
- 4. Notice of Acceptance No. 20-0622.02 issued to Eastman Chemical Company (MA) for their "Saflex HP Clear or Color Glass Interlayers" dated 08/06/20, expiring on 04/14/23.

F. STATEMENTS

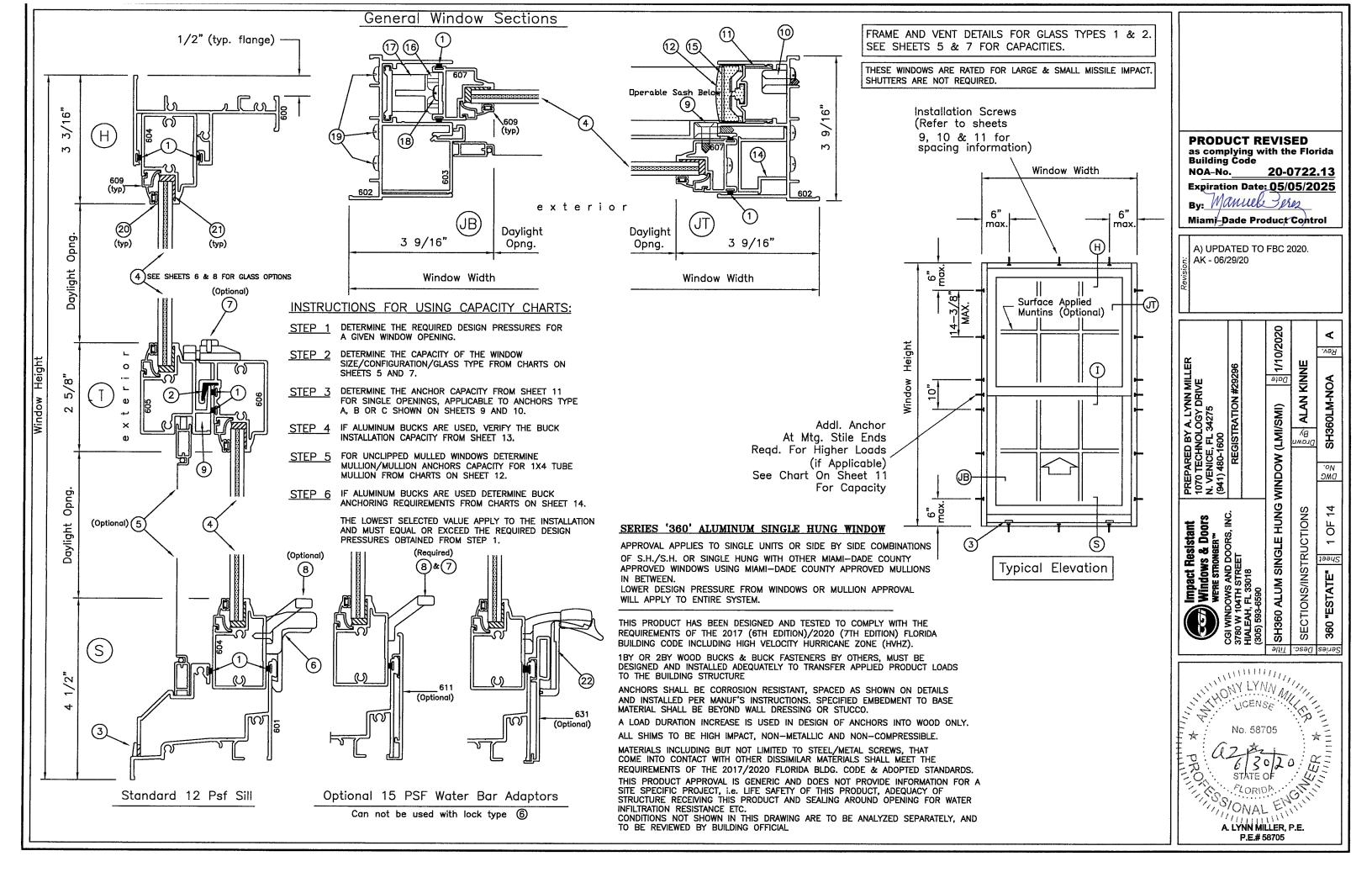
- 1. Statement letter of conformance, complying with FBC 6th Edition (2017) and the FBC 7th Edition (2020), dated June 30, 2020, issued by manufacturer, signed and sealed by Anthony Lynn Miller, P.E.
- 2. Statement letter of no financial interest, dated June 30, 2020, issued by manufacturer, signed and sealed by Anthony Lynn Miller, P.E.
- **3.** Proposal No. **19-1155 TP** issued by the Product Control Section, dated January 10, 2020, signed by Ishaq Chanda, P.E.

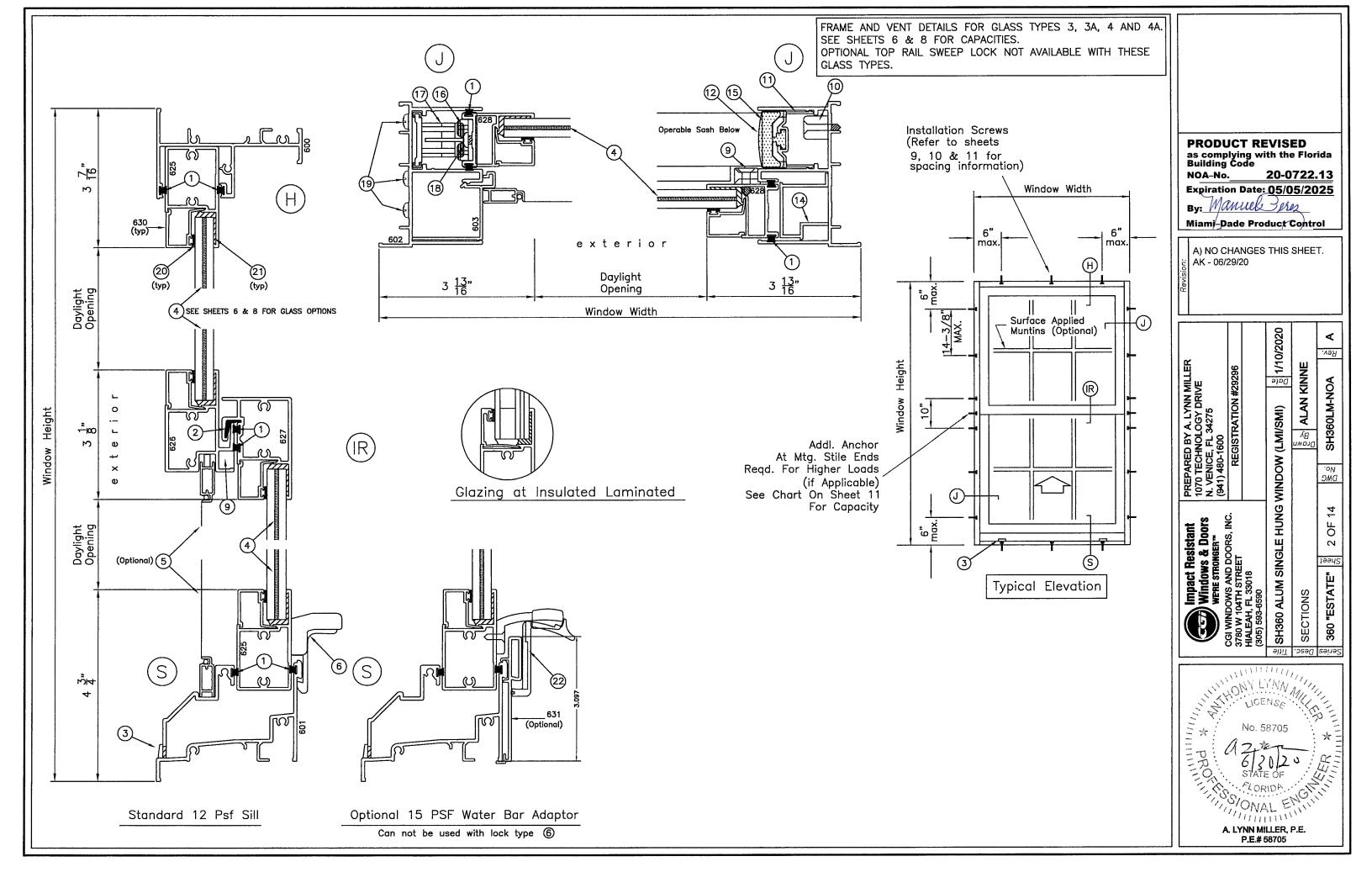
G. OTHERS

1. Notice of Acceptance No. **20-0213.03**, issued to CGI Windows & Doors, Inc. for their Series "360" Aluminum Single Hung Window - L.M.I., approved on 03/05/20 and expiring on 05/05/25.

Manue Manuel Perez, P.E

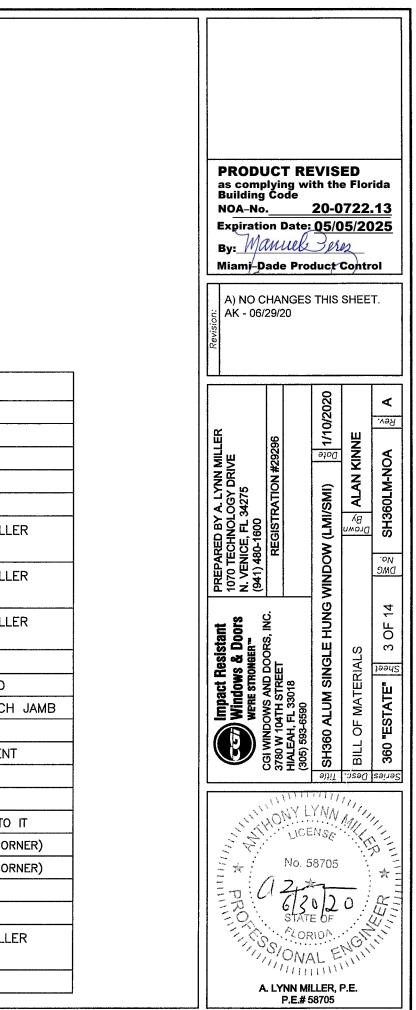
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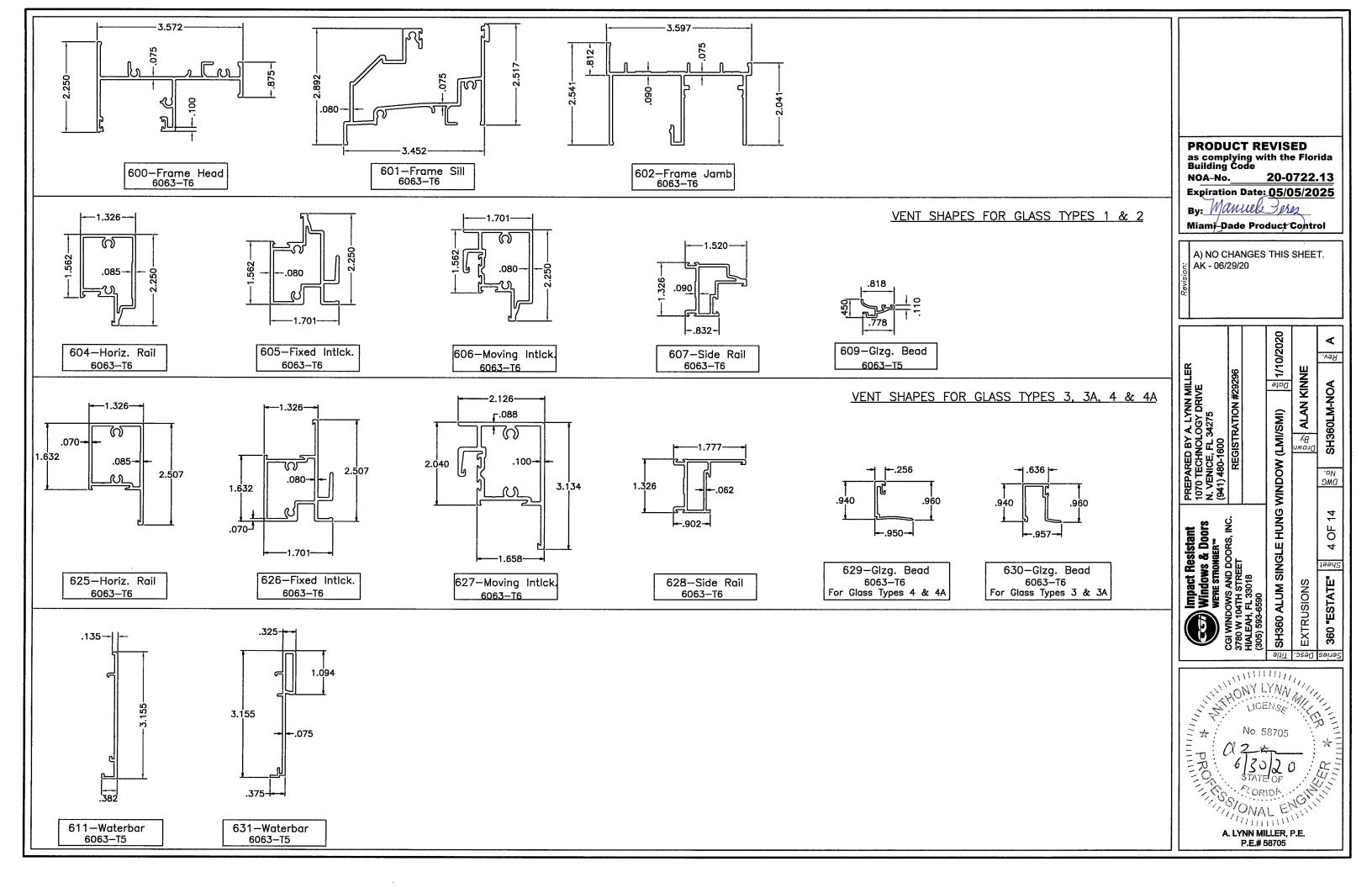


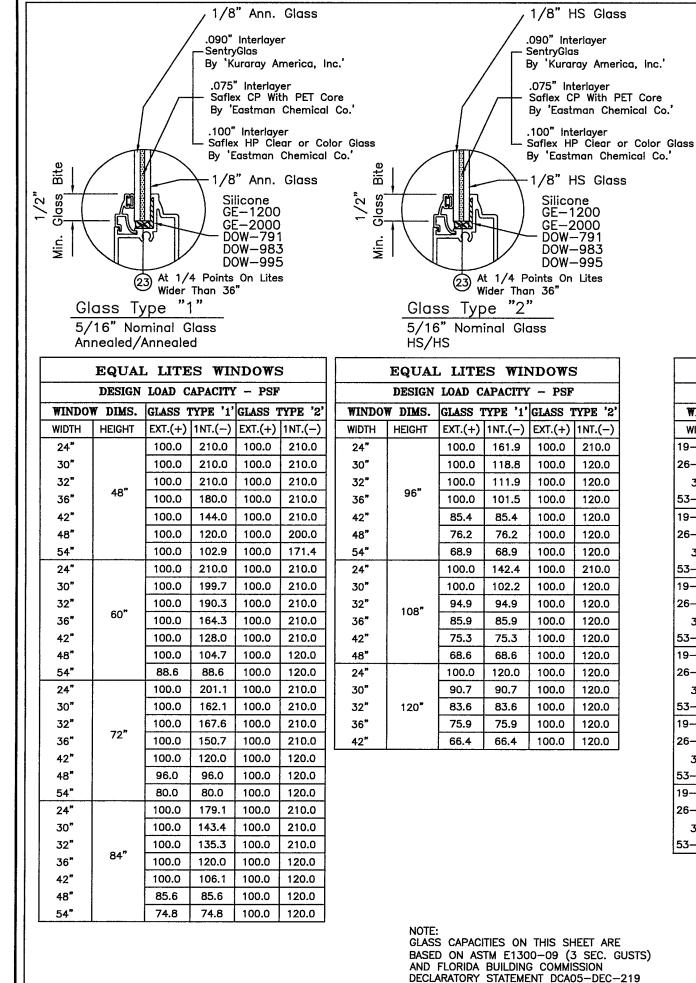


Bill of Materials

ITEM	PART #	QUANTITY	DESCRIPTION	MATERIAL	MANF./SUPPLIER	REMARKS
1	W23201NG	AS REQD.	WOOL PILE WITH CENTER SOFT FIN (GRAY)	PILE	ULTRAFAB/SCHLEGEL	
2	CGI-612P	AS REQD.	PLASTIC BUMPER GUIDE	PVC	PROTOTYPE PLASTIC EXTRUSIONS	CONTINUOUS AT INTERLOCK
3	#146—4	2	WEEP HOLE COVER	NYLON	BUILDERS PLASTIC COMPANY	
4	N/A	AS REQD.	GLAZING	GLASS	VARIES	
5	N/A	1	COMPLETE SCREEN	ALUM/MESH		
6	CGI-615C & 616C	1 OR 2	COMBINATION EGRESS LOCK AND LIFT/PULL ATTACHED W/(2) #8 X 5/8" FH SMS	ZINC	CUSTOM CASTING	1 @ WDWS. 28" WIDE & SMALLE 2 @ WDWS. OVER 28" WIDE
7	A30700 & C30705	1 OR 2	OPTIONAL SWEEP LOCK & KEEPER (replaces item 6) ATTACHED W/(4) #6 X 5/8" FH SMS	ZINC	TRUTH HARDWARE OR EQUIV.	1 @ WDWS. 28" WIDE & SMALLE 2 @ WDWS. OVER 28" WIDE
8	18-11-XX-100	1 OR 2	LIFT/PULL	ZINC	TRUTH HARDWARE OF EQUIV.	1 @ WDWS. 28" WIDE & SMALLE 2 @ WDWS. OVER 28" WIDE
9	CGI-614C	2	TIE DOWN BLOCK	ZINC	CUSTOM CASTING	
10	VARIES	2	BALANCES (B&T OR SPIRAL)	VARIES	VARIES	BOTH BALANCES CAN BE USED
11	CGI-617P	2	BALANCE COVER	PVC	PROTOTYPE PLASTIC EXTRUSIONS	LOCATED AT TOP HALF OF EACH
12	CGI-618P	2	VENT STOP	PVC	PROTOTYPE PLASTIC EXTRUSIONS	LOCATED AT TOP OF JAMBS
14	CGI-613P	2	FIXED VENT SHIM	PVC	PROTOTYPE PLASTIC EXTRUSIONS	LOCATED AT TOP OF FIXED VENT
15	CGI-619P	2	TOP GUIDE AT OPERABLE VENT	NYLON	CUSTOM CASTING	
16	CGI-622N	2	BOTTOM GUIDE/CLIP AT OPERABLE VENT	NYLON	CUSTOM CASTING	
17	CGI-620C & 621N	2	CARRIER SYSTEM	ZINC	CUSTOM CASTING	OPTIONAL - BALANCE ATTACHES TO
18	N/A	16	VENT ASSEMBLY SCREWS	s/s	VARIES	#10 X 1 1/4" PH SMS (2 PER COR
19	N/A	12	FRAME ASSEMBLY SCREWS	S/S	VARIES	#10 X 1 1/4" PH SMS (2 PER COR
20	CGI-382V	AS REQD.	VINYL BULB	PVC	PROTOTYPE PLASTIC EXTRUSIONS	
21	VARIES	AS REQD.	STUCTURAL SILICONE	SILICONE	3 SILICONES	GE-1200, GE-2000, & DOW 995
22	CGI-632	1 OR 2	COMBINATION EGRESS WB LOCK & LIFT/PULL ATTACHED W/(2) #8 X 5/8" FH SMS	ZINC	CUSTOM CASTING (FOR USE WITH WATERBAR)	1 @ WDWS. 28" WIDE & SMALLE 2 @ WDWS. OVER 28" WIDE
23	_	2/ LITE	SETTING BLOCKS	EPDM		DUROMETER 85±5 SHORE A







	EQUAI	. LITE	s WI	NDOWS	5
	DESIGN	LOAD C	APACITY	– PSF	•
WINDO	W DIMS.	GLASS 7	TYPE '1'	GLASS '	FYPE '2'
WIDTH	HEIGHT	EXT.(+)	1NT.(-)	EXT.(+)	1NT.(-)
19-1/8"		100.0	210.0	100.0	210.0
26-1/2"	26"	100.0	210.0	100.0	210.0
37"	20	100.0	210.0	100.0	210.0
53-1/8"		100.0	171.1	100.0	210.0
19-1/8"		100.0	210.0	100.0	210.0
26-1/2"	38-3/8"	100.0	210.0	100.0	210.0
37"	00-070	100.0	197.2	100.0	210.0
53-1/8"		100.0	124.1	100.0	206.9
19-1/8"		100.0	210.0	100.0	210.0
26-1/2"	50-5/8"	100.0 210.0		100.0	210.0
37"		100.0	168.3	100.0	210.0
53-1/8"		100.0	101.2	100.0	168.7
19–1/8"		100.0	210.0	100.0	210.0
26-1/2"	63"	100.0	207.5	100.0	210.0
37"	05	100.0	154.9	100.0	210.0
53-1/8"		88.1	88.1	100.0	120.0
19–1/8"		100.0	210.0	100.0	210.0
26-1/2"	72"	100.0	181.5	100.0	210.0
37"	12	100.0	146.8	100.0	210.0
53-1/8"		82.0	82.0	100.0	120.0
19-1/8"		100.0	210.0	100.0	210.0
26-1/2"	76"	100.0	171.4	100.0	210.0
37"	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	100.0	136.6	100.0	210.0
53-1/8"		80.0	80.0	100.0	120.0

Supplemental Test Results for:

Air Infiltration - Water Leakage Resistance - Forced Entry

Test Type and Method	Results
Air Infiltration Test (ASTM—E283) © 1.57 psf pressure differential © 6.24 psf pressure differential	PASSED (.044 PASSED (.076
Water Leakage Test (ASTM—E331) without waterbar adaptor with waterbar adaptor	No leakage PASSED @ 12 PASSED @ 15
Forced Entry Resistance test (ASTM F588 & Grade 10)	PASSED

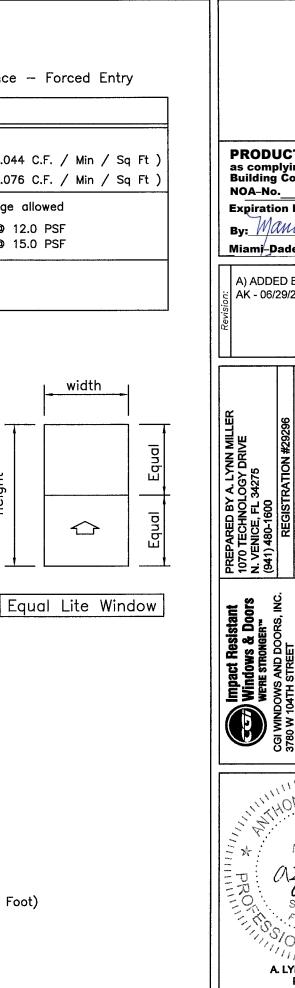
120° MAX. height

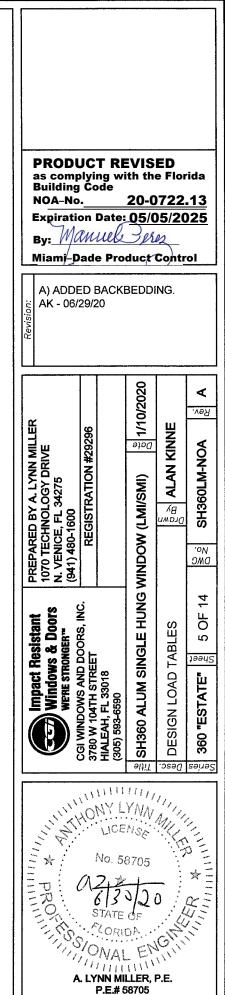
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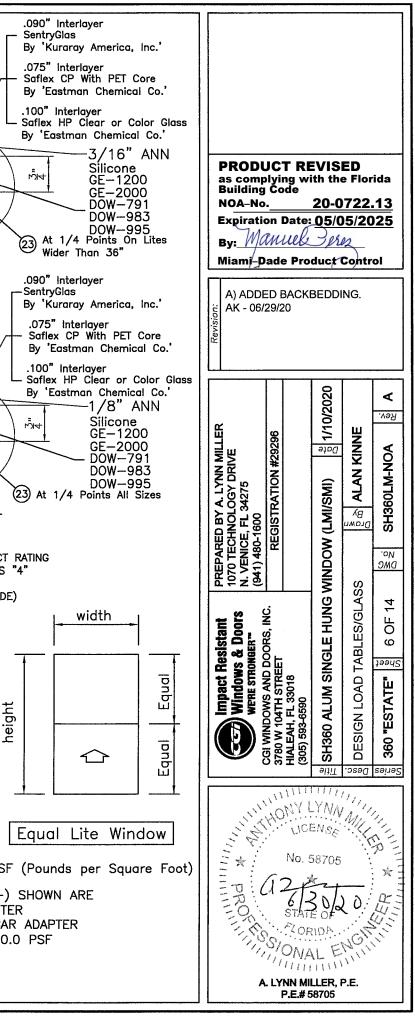
All values shown are Design PSF (Pounds per Square Foot)

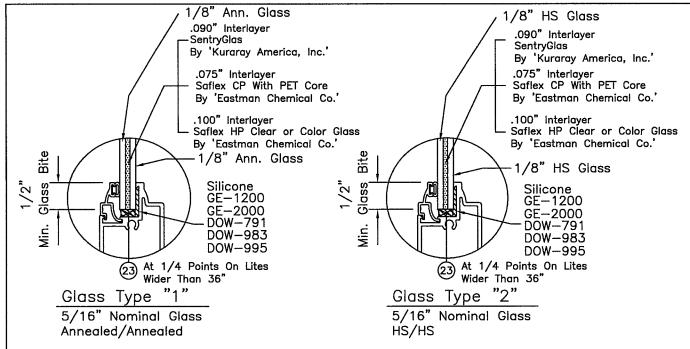
VALUES FOR EXTERIOR LOADS(+) SHOWN ARE FOR SILL WITH WATERBAR ADAPTER FOR WINDOWS WITHOUT WATERBAR ADAPTER LIMIT EXTERIOR(+) LOADS TO 80.0 PSF





BASI AND	E: SS CAPAC ED ON AS FLORIDA LARATORY	TM E130 BUILDING	0-09 (: 5 commi	3 SEC. (ISSION	GUSTS)						3/16	6" HS		Sent By .07 Saf By	" Interlay ryGlas Kuraray 5" Interla iex CP V 'Eastmar 0" Interla	America, ayer Vith PET n Chemic	Core			3/16" ANN
]	EQUAI	L LITH	es wir	NDOWS	5							L Safl	ex HP C Eastman	lear or (Color Gla al Co.'	SS		
			DESIGN	LOAD (CAPACITY	– PSF	H							/	3	3/16"	HS			
WINDO	W DIMS.	GLASS '	FYPE '3'	GLASS 7	TYPE '3A'	GLASS 7	FYPE '4'	GLASS 7	YPE '4A'				4			Silicon	e			
WIDTH	HEIGHT	EXT.(+)	1NT.(-)	EXT.(+)	1NT.(-)	EXT.(+)	1NT.(-)	EXT.(+)	1NT.(-)							GE-12 GE-20				
24"		100.0	210.0	100.0	210.0	100.0	210.0	100.0	209.0			\ [/ _	<u> </u>	DOW-	791			
30"		100.0	210.0	100.0	210.0	100.0	210.0	100.0	209.0			\mathbf{N}	ĩ [X		DOW-				
32*		100.0	210.0	100.0	210.0	100.0	210.0	100.0	209.0					(23)	At 1/4 Wider Th	Points 0	n Lites			
36"	48"	100.0	210.0	100.0	210.0	100.0	210.0	100.0	203.0		Glass	Туре								Glass Type "3A"
42"		100.0	210.0	100.0	210.0	100.0	210.0	100.0	171.0			4	/o" L			0" Interle htryGlas	ayer			
48"		100.0	200.0	100.0	200.0	100.0	200.0	100.0	148.0		3/8"	ا م ۲ من	/0 H	157		'Kuraray		, inc.'		1/8" ANN-7 1
54"		100.0	171.4	100.0	171.4	100.0	171.4	100.0	131.0			All Sp	ace	7	.07	5" Interio lex CP V	iyer Vith PFT	Core		- (- 1)
24"		100.0	210.0	100.0	210.0	100.0	210.0	100.0	209.0		1/8"H.S.	GLASS OR -		11/	By	'Eastmar	n Chemic	al Co.'		3/8" Air Space
30"		100.0	210.0	100.0	210.0	100.0	210.0	100.0	200.0	1/	'8" TEMP.		$\overline{\}$.100)" Interla	yer			1/8" ANN. GLASS
32"	60"	100.0	210.0	100.0	210.0	100.0	210.0	100.0	188.0					-TK	L Safl	ex HP C	lear or (ass	OR 1/8" TEMP. GLASS
36"	00	100.0	210.0	100.0	210.0	100.0	210.0	100.0	156.0		XL EDGE	SPACER			БУ	'Eastman	/8"H			
42"		100.0	210.0	100.0	210.0	100.0	210.0	100.0	135.0	ST. STE	EL BY 'C				/ m/4		Silicone			
48"		100.0	120.0	100.0	120.0	100.0	120.0	100.0	117.0	DURA	SEAL BY	OUANEX			\rightarrow	_ (GE-120	0	c	XL EDGE SPACER
54"		100.0	120.0	100.0	120.0	100.0	120.0	100.0	101.0			OR			/ _	\sim	GE-200 DOW-79)() 21	•	OR
24"		100.0	210.0	100.0	210.0	100.0	210.0	100.0	205.0	SUPER SPA	CER BY	QUANEX'	\mathbf{M}		<	[30-WOC	33		DURASEAL BY 'QUANEX'
30"		100.0	210.0	100.0	210.0	100.0	210.0	100.0	155.0			-	"	"	23,+	[1/4 Poi		95	SUPE	ER SPACER BY 'QUANEX'
32"	72"	100.0	210.0	100.0	191.2	100.0	210.0	100.0	147.0		Glas	ss Typ	be 4		⊖ AL			1265		
36"		100.0	210.0	100.0	198.4	100.0	210.0	100.0	137.0				EQUAI	L LITE	es WII	NDOWS	5		··· // // ···	Glass Type "4A"
42"		100.0	120.0	100.0	120.0	100.0	120.0	100.0	119.0						CAPACITY					
48" 54"		100.0	120.0 120.0	100.0	120.0	100.0 100.0	120.0 120.0	100.0 88.5	102.0 88.5	WINDO	DIMS.							01400 7	TYPE '4A'	, NOTE:
24"		100.0	210.0	100.0	210.0	100.0	210.0	100.0	180.0	WIDTH	HEIGHT		1		1NT.(-)					
30"		100.0	210.0	100.0	210.0	100.0	210.0	100.0	136.0	19-1/8"		1	210.0		210.0	<u>+</u>				AND "4A" MUST BE TEMPERED.
32"		100.0	210.0	100.0	210.0	100.0	210.0	100.0	129.0	26-1/2"	1	100.0	210.0	100.0	210.0	100.0	210.0	100.0	210.0	- (INSTALLATIONS ABOVE 30 FT. OF GRADE
36"	84"	100.0	120.0	100.0	120.0	100.0	120.0	100.0	117.0	37"	26"	100.0	210.0	100.0	210.0	100.0	210.0	100.0	210.0	-
42"		100.0	120.0	100.0	120.0	100.0	120.0	100.0	105.0	53-1/8"		100.0	210.0	100.0	210.0	100.0	210.0	100.0	210.0	
48"		100.0	120.0	100.0	120.0	100.0	120.0	92.7	92.7	19-1/8"		100.0	210.0	100.0	210.0	100.0	210.0	100.0	210.0	1
54"		100.0	120.0	100.0	120.0	100.0	120.0	80.4	80.4	26-1/2"	38-3/8"	100.0	210.0	100.0	210.0	100.0	210.0	100.0	210.0	-
24"		100.0	210.0	100.0	210.0	100.0	210.0	100.0	157.0	37"	36-3/6	100.0	210.0	100.0	210.0	100.0	210.0	100.0	210.0	· · ·
30"		100.0	120.0	100.0	120.0	100.0	120.0	100.0	117.0	53-1/8"		100.0	206.9	100.0	206.9	100.0	206.9	100.0	180.0	120° MAX.
32"		100.0	120.0	100.0	120.0	100.0	120.0	100.0	109.0	19-1/8"		100.0	210.0	100.0	210.0	100.0	210.0	100.0	210.0	
36"	96"	100.0	120.0	100.0	120.0	100.0	120.0	100.0	102.0	26-1/2"	50-5/8"	100.0	210.0	100.0	210.0	100.0	210.0	100.0	210.0] آي
42"		100.0	120.0	100.0	120.0	100.0	120.0	90.8	90.6	37"		100.0	210.0	100.0	210.0	100.0	210.0	100.0	183.0] ~
48"		100.0	120.0	100.0	120.0	100.0	120.0	80.9	83.7	53-1/8"		100.0	168.7	100.0	168.7	100.0	168.7	100.0	123.0	
54"		100.0	120.0	100.0	112.6	100.0	120.0	73.2	74.5	19–1/8"		100.0	210.0	100.0	210.0	100.0	210.0	100.0	210.0	
24"		100.0	210.0	100.0	210.0	100.0	210.0	100.0	140.0	26-1/2"	63"	100.0	210.0	100.0	210.0	100.0	210.0	100.0	210.0	
30"		100.0	120.0	100.0	120.0	100.0	120.0	100.0	103.0	37"		100.0	210.0	100.0	191.9	100.0	210.0	100.0	145.0	_
32"	108"	100.0	120.0	100.0	120.0	100.0	120.0	97.6	97.6	53-1/8"		100.0	120.0	100.0	120.0	100.0	120.0	100.0	99.0	L
36"		100.0	120.0	100.0	120.0	100.0	120.0	88.9	88.9	19-1/8"		100.0	210.0	100.0	210.0	100.0	210.0	100.0	210.0	All values shown are Design PSF
42"		100.0	120.0	100.0	120.0	100.0	120.0	79.4	79.4	26-1/2"	72"	100.0	210.0	100.0	210.0	100.0	210.0	100.0	184.0	
48"		100.0	120.0	100.0	112.2	100.0	120.0	72.8	72.8	37"		100.0	210.0	100.0	196.5	100.0	210.0	100.0	134.0	VALUES FOR EXTERIOR LOADS(+)
24"		100.0	120.0	100.0	120.0	100.0	120.0	100.0	129.0	53-1/8"		100.0	120.0	100.0	120.0	100.0	120.0	94.6	90.0	FOR WINDOWS WITHOUT WATERBAR
30"	1007	100.0	120.0	100.0	120.0	100.0	120.0	94.7	94.7	19-1/8"		100.0	210.0	100.0	210.0	100.0	210.0	100.0	210.0	LIMIT EXTERIOR(+) LOADS TO 80.
32" 36"	120"	100.0 100.0	120.0 120.0	100.0	120.0 120.0	100.0	120.0 120.0	88.9	88.9	26-1/2"	76"	100.0	210.0	100.0	210.0	100.0	210.0	100.0	169.0	4
42"	i	100.0	120.0	100.0	120.0	100.0	120.0	80.2	80.2	3/ 53-1/8"		100.0	210.0	100.0	194.8	100.0	210.0	100.0	124.0	4
		100.0	120.0	100.0	I 1.7.1	100.0	120.0	70.5	70.3	55-178		100.0	120.0	100.0	120.0	100.0	120.0	88.3	85.0	1





U		L LITE			S (OR) PSF	IEL)
WINDO	W DIMS.	TOP VENT				TYPE '2
WIDTH	HEIGHT	TOP VENT		1NT.(-)		
24"		1,2,0,11	100.0	161.9	100.0	210.0
30"			100.0	118.8	100.0	120.0
32"			100.0	111.9	100.0	120.0
36"	96"	48"	100.0	101.5	100.0	120.0
42"	(MAX.)		85.4	85.4	100.0	120.0
48"			76.2	76.2	100.0	120.0
54 "			68.9	68.9	100.0	120.0
24"			100.0	142.4	100.0	210.0
30"			100.0	102.2	100.0	120.0
32"			94.9	94.9	100.0	120.0
36"	108"	54"	85.9	85.9	100.0	120.0
42"	(MAX.)		75.3	75.3	100.0	120.0
48"			68.6	68.6	100.0	120.0
24"			100.0	120.0	100.0	120.0
30"			90.7	90.7	100.0	120.0
32"	120"	60"	83.6	83.6	100.0	120.0
36"	(MAX.)		75.9	75.9	100.0	120.0
42"			66.4	66.4	100.0	120.0
24"			100.0	120.0	100.0	120.0
30"	120"	66"	81.7	81.7	100.0	120.0
32"	(MAX.)		77.7	77.7	100.0	120.0
36"			67.4	67.4	100.0	120.0
24"			100.0	113.6	100.0	120.0
30"	120"	72"	77.1	77.1	100.0	120.0
32"	(MAX.)		70.1	70.1	100.0	120.0
36"			60.3	60.3	100.0	120.0
24"			100.0	120.0	100.0	120.0
30"	120"	78"	71.2	71.2	100.0	120.0
32"	(MAX.)		63.8	63.8	100.0	120.0
24"	120"	84"	100.0	120.0	100.0	120.0
30"	(MAX.)		66.6	66.6	100.0	120.0

All values shown are Design PSF (Pounds per Square Foot)

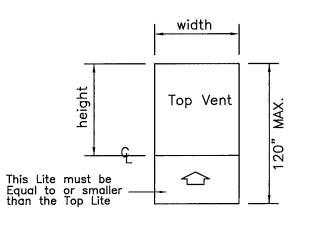
UNEQUAL LITES WINDOWS (ORIEL) DESIGN LOAD CAPACITY - PSF													
	DE				PSF								
WINDOW	DIMS.	TOP VENT	GLASS 7	YPE '1'	GLASS TYPE '2'								
WIDTH	HEIGHT	HEIGHT	EXT.(+)	1NT.(-)	EXT.(+)								
19-1/8"			100.0	210.0	100.0	210.0							
26-1/2"	96"	48"	100.0	138.5	100.0	210.0							
37"	(MAX.)		99.3	99.3	100.0	120.0							
53-1/8"			69.8	69.8	100.0	120.0							
19-1/8"			100.0	210.0	100.0	210.0							
26-1/2"	108"	54"	100.0	120.0	100.0	120.0							
37"	(MAX.)		83.6	83.6	100.0	120.0							
19-1/8"			100.0	210.0	100.0	210.0							
26-1/2"	120"	60"	100.0	108.6	100.0	120.0							
37"	(MAX.)		73.7	73.7	100.0	120.0							
19-1/8"			100.0	210.0	100.0	210.0							
26-1/2"	120"	66"	99.5	99.5	100.0	120.0							
37"	(MAX.)		65.7	65.7	100.0	120.0							
19-1/8"	120"	72"	100.0	210.0	100.0	210.0							
26-1/2"	(MAX.)	, <u>, , , , , , , , , , , , , , , , , , </u>	93.9	93.9	100.0	120.0							
19-1/8"	120"	78"	100.0	120.0	100.0	120.0							
26-1/2"	(MAX.)	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	88.0	88.0	100.0	120.0							
19-1/8"	120"	84"	100.0	120.0	100.0	120.0							
26-1/2"	(MAX.)		79.8	79.8	100.0 120.0								

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

Supplemental Test Results for: Air Infiltration - Water Leakage Resistance

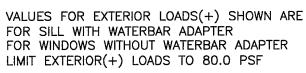
Test Type and Method	Results
Air Infiltration Test (ASTM-E283) @ 1.57 psf pressure differential @ 6.24 psf pressure differential	PASSED (.044 PASSED (.076
Water Leakage Test (ASTM—E331) without waterbar adaptor with waterbar adaptor	No leakage a PASSED @ 12 PASSED @ 15
Forced Entry Resistance test (ASTM F588 & Grade 10)	PASSED

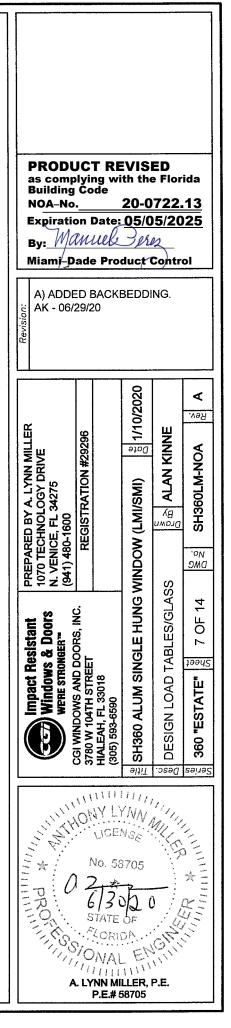
FOR SILL WITH WATERBAR ADAPTER



Unequal Lite Window

	_	Fo	orc	ed	Er	ntry	
			-	Min Min	-		
a	llo	we	d				
2	.0	PS	SF				
5	.0	PS	F				





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

	DECL	ARATORY	STATEMEN	IT DCA0	5-DEC-2	219								1/	′8" HS	57	Sentr	Interlaye yGlas					1/8"	ANN-7
	<u> </u>		UNI	EOTIAT	. LITE	s wi	NDOWS	5 (OR	IEI.)]	3/8"	Air Spa	се			uraray A Interlaye		Inc.'	3/	8" Air	Space	
						····	CITY -	· · · · · · · · · · · · · · · · · · ·				1	, /8" Н.S.	•			— Saflex	CP Witl	n PET Co			ANN. GLA		$\neg \mid /$
┨╟╴	WINDOW	DIMS.		CTAGE				GLASS 7	TYPR '4'	GLASS T	YPE '44'	1/8	" TEMP.	OR GLASS	\setminus		-	astman (Co.	,		OR	
╏╟╴	WIDTH	HEIGHT	TOP VENT					EXT.(+)						02,00	$\rightarrow \pm$.100 — Saflex	Interlaye HP Clea	r ir or Col	lor Glass	1/8" 11	EMP. GLA	155	
	24"			100.0	210.0	100.0	210.0	100.0	210.0	100.0	154.0		XL EDGE					ostman (hemical					
	30"			100.0	120.0	100.0	120.0	100.0	120.0	100.0	114.0		EL BY 'CA		րա				3" HS	ст	XL E STEEL E	EDGE SP		
	32"			100.0	120.0	100.0	120.0	100.0	120.0	100.0	114.0	DUDAC	EAL BY '		HE		M4	Silicor GE-12	ie 200				OR	
	36"	96" (MAX.)	48"	100.0	120.0	100.0	120.0	100.0	120.0	99.9	99.9			OR			\frown	GE-20	000	DL	JRASEAL	BY 'QUA	NEX' 년 OR IT	
	42"	(1111-7.)		100.0	120.0	100.0	120.0	100.0	120.0	88.8	88.8	SUPER SPAC	CER BY '	QUANEX' 🔪	\parallel °°	′ 1 K		DOW-	791 983	SUPER	SPACER	BY 'QUA	NEX'	_ °″ 1∖∕
	48"			100.0	120.0	100.0	120.0	100.0	120.0	82.3	82.3						(23)							
	54"			100.0	120.0	100.0	112.6	100.0	120.0	73.7	73.7		Glas	s Type	e "4"	_	23 At 1/	4 Points	All Size	S		Glas	s <u>Typ</u>	<u>e "4A"</u>
	24"			100.0	210.0	100.0	210.0	100.0	210.0	100.0	138.0			TINT	FOTA	L LITH						·,·	NOTE:	
	30"			100.0	120.0	100.0	120.0	100.0	120.0	100.0	101.0			UN	-				•	(EL)			TO QU	ALIFY FOR SM
	32"	108"	54"	100.0	120.0	100.0	120.0	100.0	120.0	100.0	101.0			.		SIGN LOA					r			TERIOR PANE A" MUST BE
	36"	(MAX.)		100.0	120.0	100.0	120.0	100.0	120.0	87.4	87.4		V DIMS.	TOP VENT		TYPE '3'	1							LATIONS ABOV
	42"			100.0	120.0	100.0	120.0	100.0	120.0	78.2	78.2	WIDTH	HEIGHT	HEIGHT	+	1NT.(-)		ii	ii	† <u> </u>				
-	48"			100.0	120.0	100.0	112.2	100.0	120.0	71.5	71.5	19-1/8"			100.0	210.0	100.0	210.0	100.0	210.0	100.0	209.0		
	24" 30"			100.0 100.0	120.0	100.0	120.0	100.0	120.0	100.0 93.4	127.0 93.4	26-1/2" 37"	96"	48"	100.0	210.0	100.0	210.0	100.0 100.0	210.0	100.0 97.8	136.0 97.8	-	
	32"	120"	60"	100.0	120.0	100.0	120.0	100.0	120.0	93.4	93.4	53–1/8"	(MAX.)		100.0	120.0	100.0	114.4	100.0	120.0	97.8 75.4	75.4	-	
	36"	(MAX.)		100.0	120.0	100.0	120.0	100.0	120.0	79.0	79.0	19-1/8"	· · · · · ·		100.0	210.0	100.0	210.0	100.0	210.0	100.0	204.0	-	
	42"			100.0	120.0	100.0	114.1	100.0	120.0	69.1	69.1	26-1/2"	108"	54"	100.0	120.0	100.0	120.0	100.0	120.0	100.0	120.0		Ę
	24"			100.0	120.0	100.0	120.0	100.0	120.0	100.0	120.0	37"	(MAX.)		100.0	120.0	100.0	120.0	100.0	120.0	85.4	85.4		height
	30"	120"	66"	100.0	120.0	100.0	120.0	100.0	120.0	83.7	83.7	19-1/8"			100.0	210.0	100.0	204.2	100.0	210.0	100.0	205.0		ž
	32"	(MAX.)	00	100.0	120.0	100.0	120.0	100.0	120.0	83.7	83.7	26-1/2"	120"	60"	100.0	120.0	100.0	120.0	100.0	120.0	100.0	107.0		ļ
	36"			100.0	120.0	100.0	120.0	100.0	120.0	70.0	70.0	37"	(MAX.)		100.0	120.0	100.0	120.0	100.0	120.0	77.1	77.1]	
	24"			100.0	120.0	100.0	120.0	100.0	120.0	100.0	117.0	19-1/8"			100.0	210.0	100.0	210.0	100.0	210.0	100.0	207.0	This Li	te must be
	30"	120"	72"	100.0	120.0	100.0	120.0	100.0	120.0	76.2	76.2	26-1/2"	120"	66"	100.0	120.0	100.0	120.0	100.0	120.0	99.7	99.7	than t	to or smalle he Top Lite
	32"	(MAX.)		100.0	120.0	100.0	120.0	100.0	120.0	76.2	76.2	37"	(MAX.)		100.0	120.0	100.0	120.0	100.0	120.0	68.4	68.4		
	36"			100.0	120.0	100.0	120.0	100.0	115.2	61.9	61.9	19–1/8"	120"	72"	100.0	210.0	100.0	210.0	100.0	210.0	100.0	199.0		U
	24"			100.0	120.0	100.0	120.0	100.0	120.0	100.0	120.0	26-1/2"	(MAX.)		100.0	120.0	100.0	120.0	100.0	120.0	94.5	94.5	_	
	30"	120" (MAX.)	78"	100.0	120.0	100.0	120.0	100.0	120.0	72.2	72.2	19–1/8"	120"	78"	100.0	210.0	100.0	210.0	100.0	210.0	100.0	192.0	4	
	32"			100.0	120.0	100.0	120.0	100.0	120.0	72.2	72.2	26-1/2"	(MAX.)		100.0	120.0	100.0	120.0	100.0	120.0	91.3	91.3	4	
	24"	120"	84"	100.0	120.0	100.0	120.0	100.0	120.0	100.0	118.0	19-1/8"	120"	84"	100.0	210.0	100.0	210.0	100.0	210.0	100.0	181.0	4	
	30"	(MAX.)		100.0	120.0	100.0	120.0	100.0	120.0	68.9	68.9	26-1/2"			100.0		100.0	120.0		120.0	89.2	89.2]	
								Ali v	alues.	shown	are De	sign PSF	(Pounds	s per So	juare F	oot)	 	FOR SI	L WITH	I WATEI WITHO	RBAR A UT WAT	DAPTER ERBAR	ADAPTE	

.090" Interlayer

By 'Kuraray America, Inc.'

.075" Interlayer Saflex CP With PET Core

By 'Eastman Chemical Co.'

.100" Interlayer Saflex HP Clear or Color Glass By 'Eastman Chemical Co.'

-3/16" HS

Silicone GE-1200

GE-2000

DOW-791 DOW-983

DOW-995

(23) At 1/4 Points On Lites

Wider Than 36"

-SentryGlas

₩4

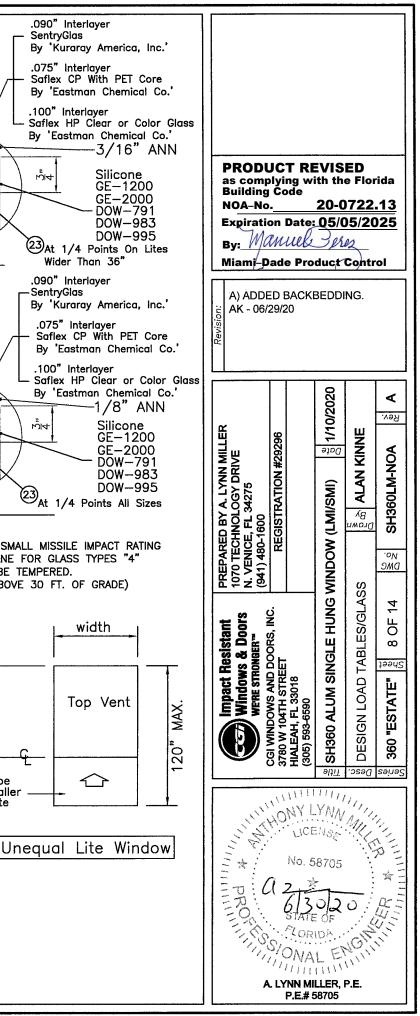
"3"

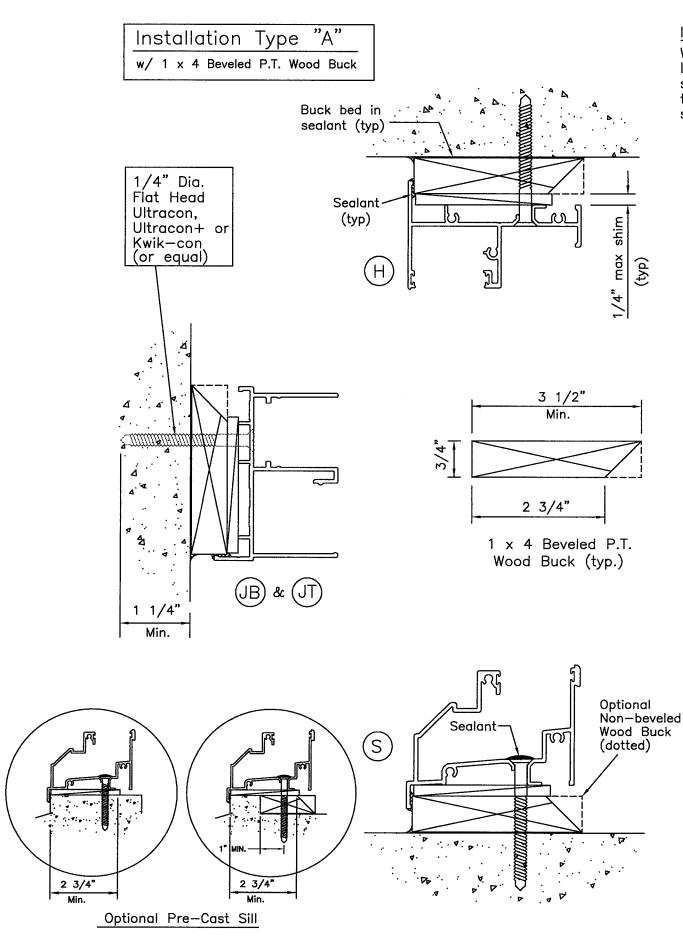
3/16" HS -

Glass Type

3/16" ANN-

Glass Type "3A"





IMPORTANT NOTE:

Wood Bucks must sustain loads imposed by glazing system and transfer them to the building structure.

TYPICAL ANCHORS: SEE ELEV. FOR SPACING

<u>1/4" DIA. ULTRACON BY 'ELCO'</u> (Fu=177 KSI, Fy=155 KSI) <u>1/4" DIA. ULTRACON+ BY 'DEWALT</u>' (Fu=164 KSI, Fy=148 KSI)

1/4" DIA. HILTI KWIK-CON II (Fu=163 KSI, Fy=157 KSI)

INTO 2BY WOOD BUCKS OR WOOD STRUCTURES 1-1/2" MIN. PENETRATION INTO WOOD

THRU 1BY BUCKS INTO CONC. OR BUCKS 1-1/4" MIN. EMBED INTO CONCRETE (HEAD/SILL/JAMBS) 1-1/4" MIN. EMBED INTO BLOCKS (JAMBS)

DIRECTLY INTO CONCRETE OR BLOCKS 1-3/4" MIN. EMBED INTO CONCRETE (HEAD/SILL/JAMBS) 1-3/4" MIN. EMBED INTO FILLED BLOCKS (JAMBS)

1/4" DIA. TEKS OR SELF DRILLING SCREWS (GRADE 5 CRS)

INTO METAL STRUCTURES (HEAD/SILL/JAMBS) (3) THREADS MIN. TO EXTEND BEYOND METAL THICKNESS ALUMINUM : 1/8" THK. MIN. (6063–T5 MIN.) STEEL : 1/8" THK. MIN. (Fy = 36 KSI MIN.) (STEEL IN CONTACT WITH ALUMINUM TO BE PLATED OR PAINTED)

#14 SMS (GRADE 2 CRS)

INTO MIAMI-DADE COUNTY APPROVED MULLIONS (3) THREADS MIN. TO EXTEND BEYOND METAL THICKNESS ALUMINUM: 1/8" THK. MIN. (6063-T5 MIN.) (NO SHIMS) STEEL: 1/8" THK. MIN. (Fy = 36 KSI MIN.) (STEEL IN CONTACT WITH ALUMINUM TO BE PLATED OR PAINTED)

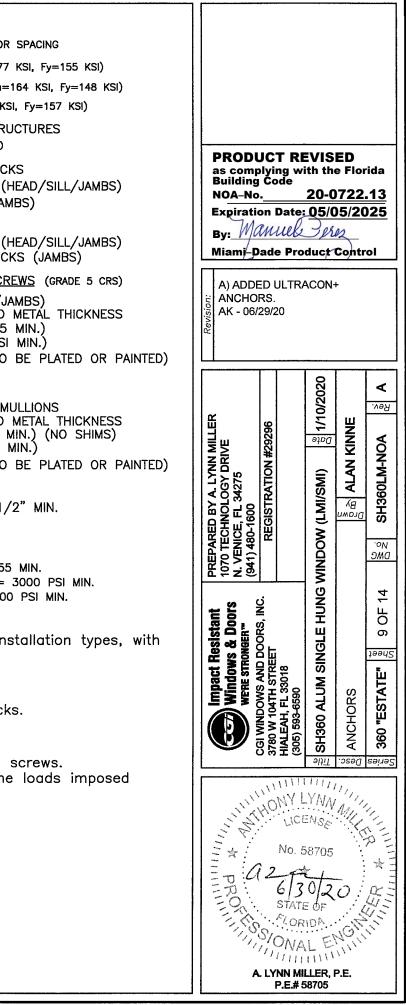
TYPICAL EDGE DISTANCE

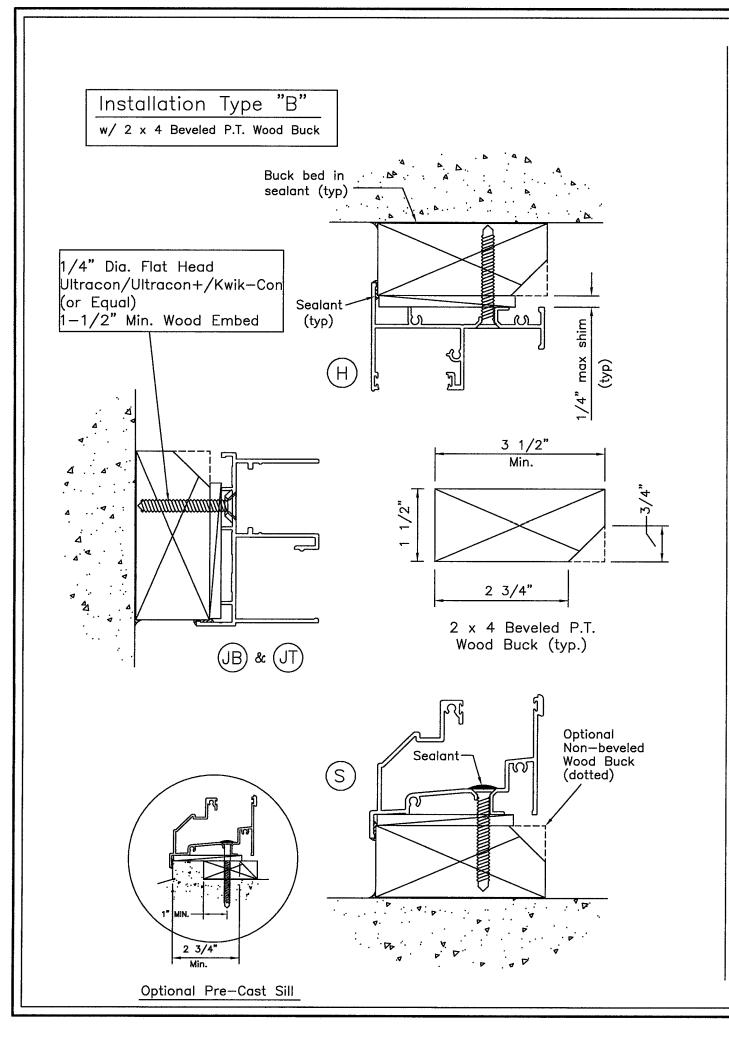
INTO CONCRETE AND MASONRY = 2-1/2" MIN. INTO WOOD STRUCTURE = 1" MIN. INTO METAL STRUCTURE = 3/4" MIN.

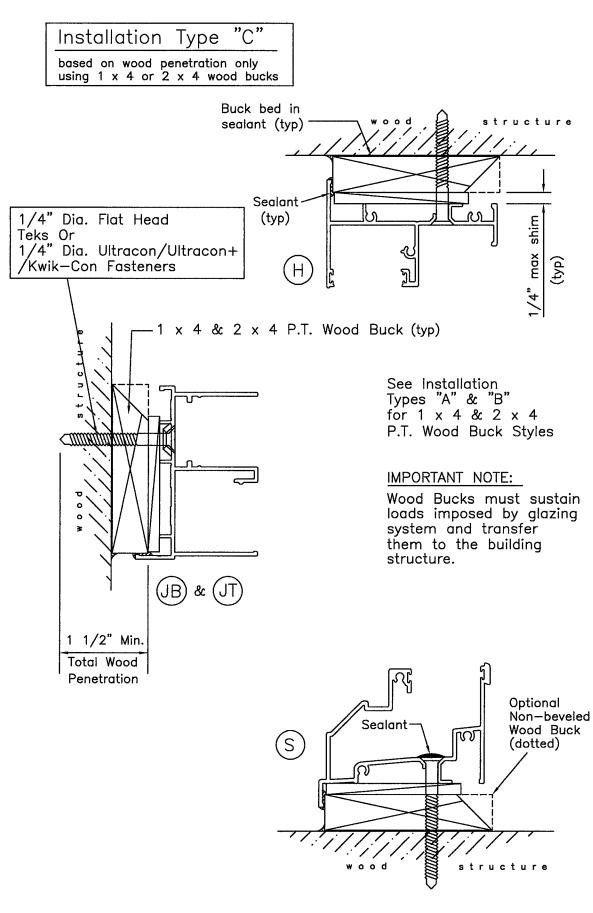
WOOD AT HEAD, SILL OR JAMBS SG = 0.55 MIN. CONCRETE AT HEAD, SILL OR JAMBS f'c = 3000 PSI MIN. C-90 FILLED BLOCK AT JAMBS f'm = 2000 PSI MIN.

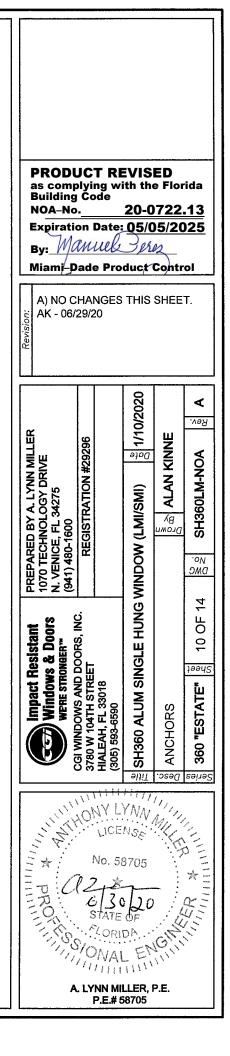
Values for Installation Type "A" apply to the following installation types, with maximum shim space 1/4":

- 1- Using 1by P.T. wood bucks, min. 3/4" thick,
- 2- Directly into masonry, without the use of wood bucks.
- 3— Directly into a steel or aluminum structure Min. 1/8" thick and using #14 Teks or Self drilling screws. Structure must be designed by others to sustain the loads imposed by the window.





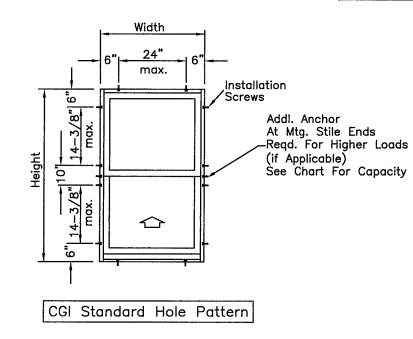




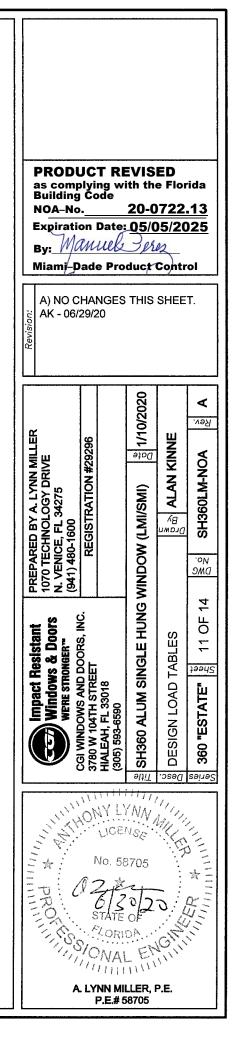
			ICHORS						
	DES	SIGN LOA	D CAPACITY - P						
WINDO	W DIMS.	NO. OF	W/O ADDI ANCHOR	STD. HOLE PATTERN WITH ADDL. ANCHOR					
WIDTH	HEIGHT	AT JAMB	EXT.(+) & INT.(-)	EXT.(+) & INT.(-)					
24"			210.0	210.0					
30"			210.0	210.0					
32"	107		210.0	210.0					
36"	48"	4	196.0	210.0					
42"			174.2	210.0					
48"			151.7	196.0					
54"			127.1	178.2					
24"			210.0	210.0					
30"			210.0	210.0					
32"			210.0	210.0					
36"	60"	6	210.0	210.0					
42"			171.1	210.0					
48"			134.4	201.6					
54 "			110.7	166.0					
24"			210.0	210.0					
30"			210.0	210.0					
32"			210.0	210.0					
36"	72"	8	210.0	210.0					
42"			165.1	210.0					
48"			125.4	188.2					
54"			101.2	151.7					
24"			210.0	210.0					
30"			210.0	210.0					
32"			207.5	210.0					
36"	84"	8	190.1	210.0					
42"			164.9	192.0					
48"			122.2	175.3					
54"			96.0	144.0					
24"			210.0	210.0					
30"			185.8	209.1					
32"			176.4	198.5					
36"	96"	8	160.8	180.9					
42"			143.4	161.3					
48"			122.1	147.0					
54"			94.1	135.7					
24"			210.0	210.0					
30"			202.3	210.0					
32"			191.7	210.0					
36"	108"	10	174.2	191.6					
42"			154.5	169.9					
48"			122.1	154.0					
24"			210.0	210.0					
30"			179.2	197.1					
32"	120"	10	169.6	186.6					
36"			153.7	169.1					
42"			135.8	149.3					

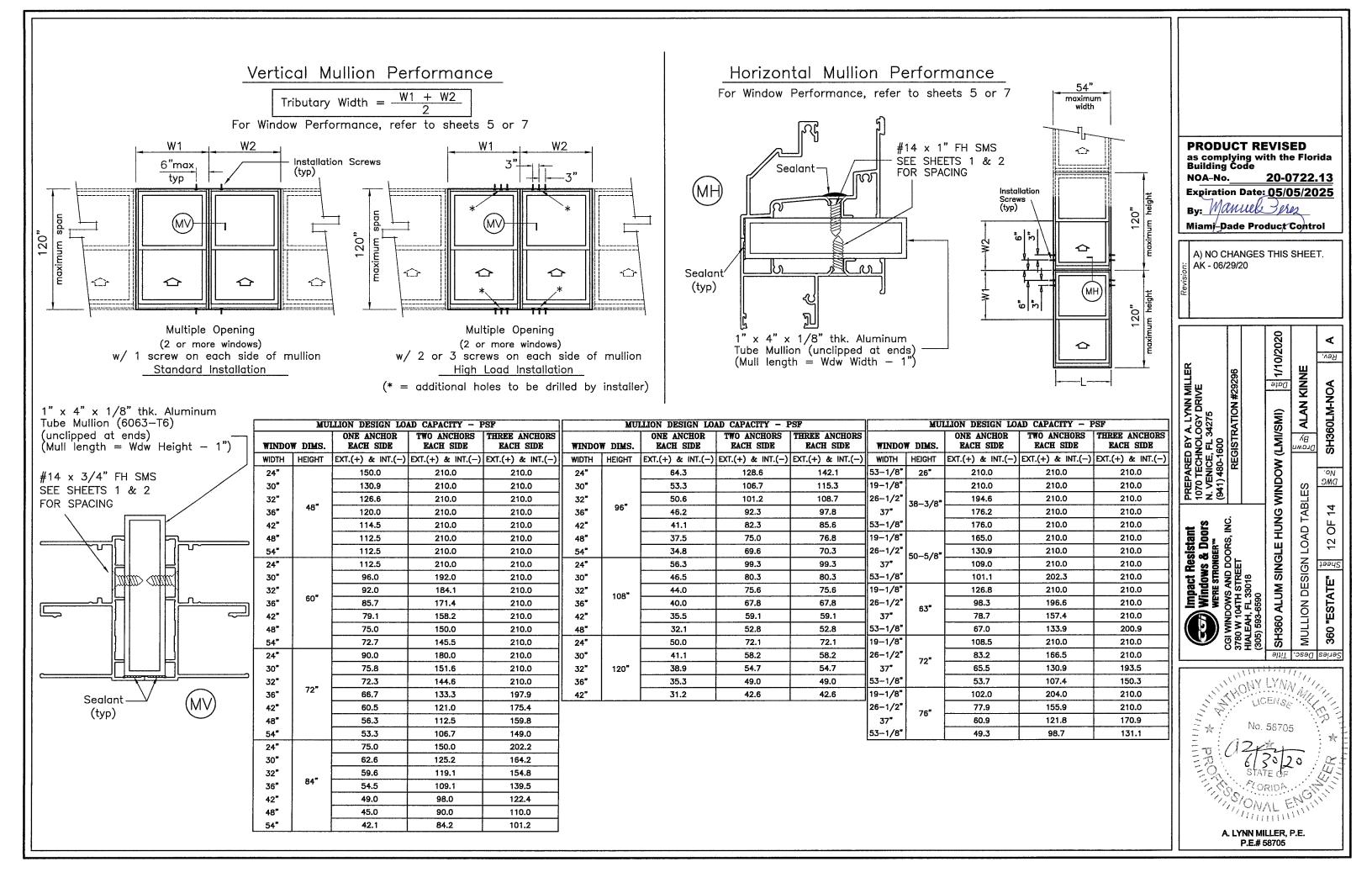
	DES		ICHORS D CAPACITY - PS	
WINDO	W DIMS.		r	STD. HOLE PATTERN
WIDTH	HEIGHT	AT JAMB	EXT.(+) & INT.(-)	EXT.(+) & INT.(-)
19-1/8"			210.0	210.0
26-1/2"	26"	4	210.0	210.0
37"	20	-	210.0	210.0
53-1/8"			208.6	210.0
19-1/8"			210.0	210.0
26-1/2"	383/8"	4	210.0	210.0
37"		-	210.0	210.0
53-1/8"			152.7	210.0
19-1/8"			210.0	210.0
26-1/2"	50-5/8"	4	210.0	210.0
37"	50-578	7	179.6	210.0
53-1/8"			125.7	169.5
19-1/8"			210.0	210.0
26-1/2"	63"	6	210.0	210.0
37"	63	0	203.8	210.0
53-1/8"			110.7	166.1
19-1/8"			210.0	210.0
26-1/2"	72"	8	210.0	210.0
37"	12	0	210.0	210.0
53-1/8"			104.1	156.1
19-1/8"			210.0	210.0
26-1/2"	76*	0	210.0	210.0
37"	76"	8	210.0	210.0
53-1/8"			102.1	153.1

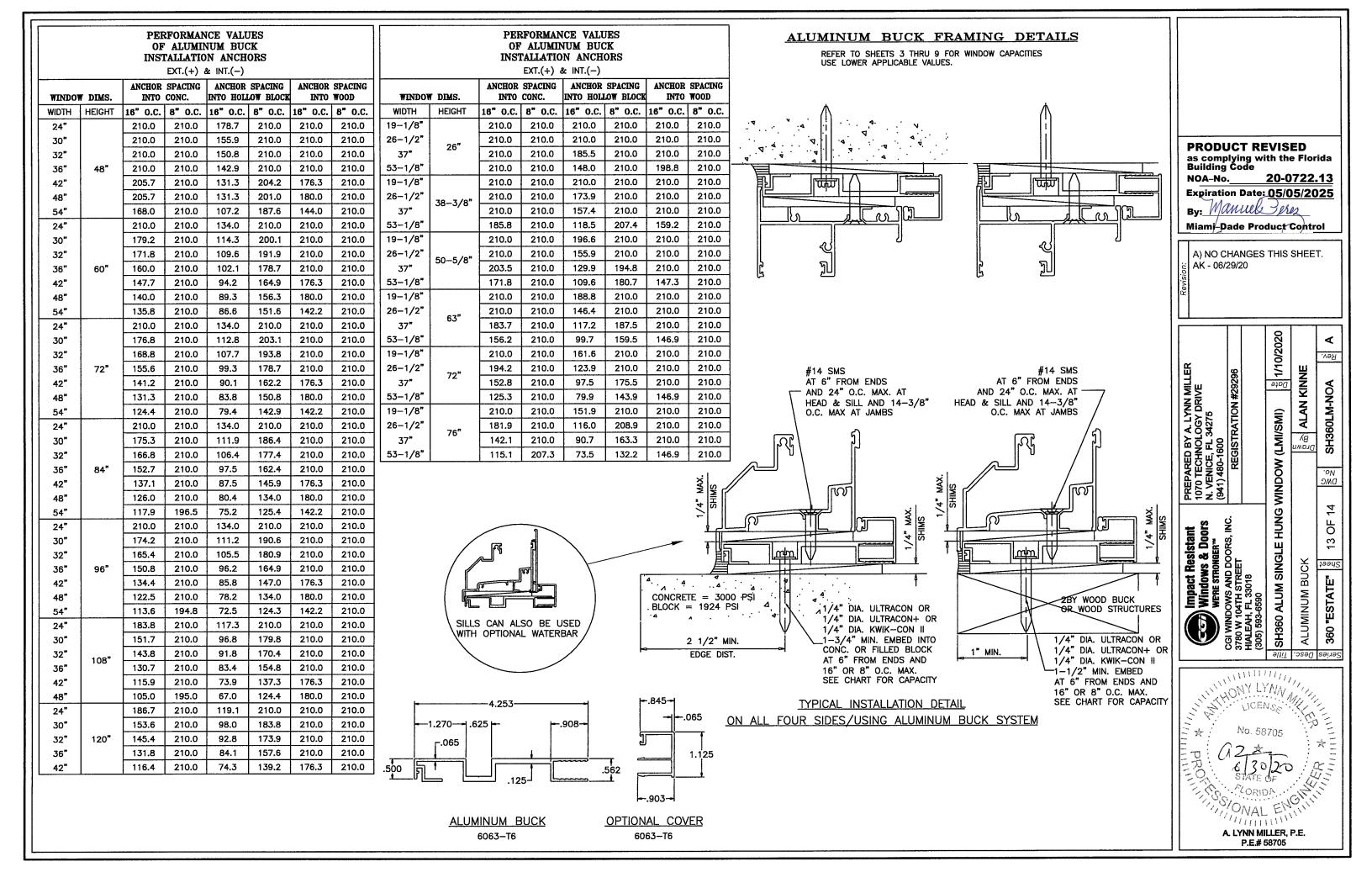
LOADS APPLY TO INSTALLATION TYPES A, B & C AND INTO ALUMINUM BUCKS FOR ALUMINUM BUCK INSTALLATION SEE SHEETS 13 AND 14.



Refer to sheets 9 & 10 of 14 for description of installation types A - B - C







	PERFORMANCE VALUES OF ALUMINUM BUCK INSTALLATION ANCHORS EXT.(+) & INT.(-) DOW DIMS. ANCHORS INTO HOLLOW BLOCK ANCHORS INTO CONC. ANCHORS INTO WOO																		OF A	ALUMINU	E VALUI UM BUCH I ANCHO INT.(-)	C							
WINDO	W DIMS.				T	CLUSTR		INTO CON		CLUSTER	T		D CLUSTER		W DIMS.		HORS INTO	·	BLOCK	CLUSTER	<u> </u>	INTO CONC		CLUSTER	ANCHORS I	-	DD R CLUSTER		
WIDTH	HEIGHT	OF 2	OF 4	OF 6	OF 8	OF 2	OF 4	OF 6	OF 8	OF 2	OF 4	OF 6	OF 8	WIDTH	HEIGHT	OF 2	OF 4	OF 6	OF 8	OF 2	OF 4	OF 6	OF 8	OF 2	OF 4	OF 6	OF 8		
24" 30"		89.3 78.0	178.7 155.9	210.0	210.0	140.0	210.0	210.0	210.0 210.0	120.0	210.0 209.5	210.0 210.0	210.0 210.0	19-1/8" 26-1/2"		210.0	210.0	210.0	210.0 210.0	210.0 210.0	210.0	210.0 210.0	210.0 210.0	210.0 210.0		210.0	210.0		
32"		75.4	150.8	210.0	210.0	118.1	210.0	210.0	210.0	101.3	202.5	210.0	210.0	37"	26"	210.0	210.0	210.0	210.0	210.0	210.0	210.0	210.0	210.0		210.0	210.0	PRODUCT REVISED	
36"	48"	71.5	142.9	210.0	210.0	112.0	210.0	210.0	210.0	96.0	192.0	210.0	210.0	53-1/8"		210.0	210.0	210.0	210.0	210.0	210.0	210.0	210.0	210.0	210.0	210.0	210.0	as complying with the Fl Building Code	lorida
42" 48"		68.1 67.0	136.1 134.0	204.2	210.0	106.7	210.0	210.0	210.0 210.0	91.4	182.9 180.0	210.0 210.0	210.0 210.0	19-1/8" 26-1/2"		140.1	210.0	210.0	210.0 210.0	210.0 181.7	210.0	210.0 210.0	210.0 210.0	188.2 155.7	210.0 210.0	210.0	210.0	NOA-No. 20-072	
54"		67.0	134.0	201.0	210.0	105.0	210.0	210.0	210.0	90.0	180.0	210.0	210.0	37"	38-3/8"	105.0	209.9	210.0	210.0	164.5	210.0	210.0	210.0	141.0	210.0	210.0	210.0	Expiration Date: 05/05/2	<u>2025</u>
24"		67.0	134.0	201.0	210.0	105.0	210.0	210.0	210.0	90.0	180.0	210.0	210.0	53-1/8"		104.8	209.6	210.0	210.0	164.3	210.0	210.0	210.0	140.8	210.0	210.0	210.0	By: Manuel Perez	
30" 32"		57.2 54.8	114.3 109.6	171.5 164.5	210.0 210.0	89.6 85.9	179.2	210.0	210.0 210.0	76.8 73.6	153.6 147.3	210.0 210.0	210.0 210.0	19-1/8" 26-1/2"		98.3 77.9	196.6 155.9	210.0 210.0	210.0 210.0	154.0 122.1	210.0	210.0 210.0	210.0 210.0	132.0	210.0 209.4	210.0	210.0	Miami-Dade Product Con	htrol
36"	60"	51.0	102.1	153.1	204.2	80.0	160.0	210.0	210.0	68.6	137.1	205.7	210.0	37"	50-5/8"	64.9	129.9	194.8	210.0	101.8	203.5	210.0	210.0	87.2	174.5	210.0	210.0	A) NO CHANGES THIS SHE	EET.
42"		47.1	94.2	141.4	188.5	73.8	147.7	210.0	210.0	63.3	126.6	189.9	210.0	53-1/8"		60.2	120.5	180.7	210.0	94.4	188.8	210.0	210.0	80.9	161.8	210.0	210.0	iii AK - 06/29/20	
48" 54"		44.7 43.3	89.3 86.6	134.0	178.7 173.3	70.0 67.9	140.0	210.0	210.0 210.0	60.0 58.2	120.0 116.4	180.0 174.5	210.0 210.0	19-1/8" 26-1/2"		75.5 58.5	151.0 117.1	210.0 175.6	210.0 210.0	118.4 91.7	210.0 183.5	210.0 210.0	210.0 210.0	101.4 78.6	202.9 157.3	210.0	210.0	Revis	
24"		53.6	107.2	160.8	210.0	84.0	168.0	210.0	210.0	72.0	144.0	210.0	210.0	37*	63"	46.9	93.8	140.6	187.5	73.5	146.9	210.0	210.0	63.0	125.9	188.9	210.0		
30"		45.1	90.3	135.4	180.5	70.7	141.5	210.0	210.0	60.6	121.3	181.9	210.0	53-1/8"		39.9	79.7	119.6	159.5	62.5	125.0	187.5	210.0	53.6	107.1	160.7	210.0		
32"	708	43.1	86.1 79.4	129.2	172.3 158.8	67.5 62.2	135.0	202.5	210.0	57.9 53.3	115.7	173.6 160.0	210.0 210.0	19-1/8" 26-1/2"		64.6	129.3	193.9	210.0	101.3	202.6 155.4	210.0 210.0	210.0 210.0	86.8 66.6	173.7 133.2	210.0 199.8	210.0	1/10/2020	⋖
36" 42"	72*	39.7 36.0	79.4	<u>119.1</u> 108.1	144.1	56.5	1124.4	186.7	210.0 210.0	48.4	96.8	145.2	193.6	37"	72"	49.6 39.0	99.2 78.0	148.7 117.0	198.3 156.0	61.1	122.2	183.3	210.0	52.4	104.8	157.1	209.5	۲۰۲۲ (۲۵۷ (۲۵۷ (۲۵۷ (۲۵۷ (۲۵۷ (۲۵۷ (۲۵۹ (۲۵۹ (۲۵۹ (۲۵۹ (۲۵۹ (۲۵۹ (۲۵۹ (۲۵۹	Rev.
48"		33.5	67.0	100.5	134.0	52.5	105.0	157.5	210.0	45.0	90.0	135.0	180.0	53-1/8"		32.0	64.0	95.9	127.9	50.1	100.2	150.3	200.4	43.0	85.9	128.9	171.8		
54"		31.8	63.5	95.3	127.1	49.8	99.6	149.3	199.1	42.7	85.3	128.0	170.7	19-1/8"		60.7	121.5	182.2	210.0	95.2	190.4	210.0	210.0	81.6	163.2	210.0	210.0	Y A. LYNN MIL LOGY DRIVE 34275 TRATION #292 TISMI) Date 11/SMI) Date	
24" 30"		44.7 37.3	89.3 74.6	134.0 111.9	178.7 149.1	70.0 58.4	140.0	210.0 175.3	210.0 210.0	60.0 50.1	120.0 100.2	180.0 150.3	210.0 200.3	26-1/2" 37"	76"	46.4	92.8 72.6	139.2 108.8	185.7 145.1	72.7 56.9	145.5	210.0 170.6	210.0 210.0	62.3 48.7	124.7 97.5	187.0 146.2	210.0	ATION : AZTON : AZTON : ATION : AI AN	ξI
32"		35.5	70.9	106.4	141.9	55.6	111.2	166.8	210.0	47.6	95.3	142.9	190.6	53-1/8"		29.4	58.8	88.2	117.6	46.1	92.1	138.2	184.2	39.5	79.0	118.4	157.9	D BY A. LY INOLOGY I INOLOGY I 1600 GISTRATIO GISTRATIO	
36"	84"	32.5	65.0	97.5	129.9	50.9	101.8	152.7	203.6	43.6	87.3	130.9	174.5																BH3 Dro
42"		29.2 26.8	58.3 53.6	87.5 80.4	116.7 107.2	45.7	91.4 84.0	137.1	182.9 168.0	39.2 36.0	78.4	117.6 108.0	156.7 144.0			۲	—12"— -				NCHOR H	IOLES	///		//////	1111			
54"		25.1	50.2	75.2	107.2	39.3	78.6	117.9	157.2	33.7	67.4	108.0	134.7			" TYP.	 -		-ALL OTH DRILLED					IXX			1,	PREPARE 1070 TECI 1070 TECI (941) 480- RE RE RE	No. DWG
24"	1	38.3	76.6	114.9	153.1	60.0	120.0	180.0	210.0	51.4	102.9	154.3	205.7		Sr	ACING	├	١X.			1						////	NN 10, 2, 20, 10, 10, 10, 10, 10, 10, 10, 10, 10, 1	4
30"		31.8	63.5	95.3	127.1	49.8	99.6	149.3	199.1	42.7	85.3	128.0	170.7	IF==		<u> ((</u>	Émt	<u>йц) —</u>								1,		HUNG	
32" 36"	96"	30.1 27.5	60.3 55.0	90.4 82.5	120.6 109.9	47.2	94.5 86.2	141.7 129.2	189.0 172.3	40.5	81.0 73.8	121.5 110.8	162.0 147.7				╕╢┦╴			<u>רוון ר</u>			<u>]</u>	「「「「「」					4 OF
42"		24.5	49.0	73.5	98.0	38.4	76.8	115.2	153.6	32.9	65.8	98.7	131.7															Resistant ws & Doors moneer D Doors, inc b Doors, inc single HUN	-
48"		22.3	44.7	67.0	89.3	35.0	70.0	105.0	140.0	30.0	60.0	90.0	120.0				IIN	1X4 MUL	LION				/	/				Mindows & Windows & Windows & Windows and Windows and Windows and Windows and Windows and Windows and Windows & Windows & Wind	Sheet S
54" 24"		20.7 33.5	41.4 67.0	62.1 100.5	82.9 134.0	32.5 52.5	64.9 105.0	97.4 157.5	129.9 210.0	27.8 45.0	55.7 90.0	83.5 135.0	111.3 180.0					SEE SHT	8 OF 1	1			- { s	CREWS I	N CLUSTE	R		T S AN S A	
30"		27.7	55.3	83.0	110.7	43.4	86.7	130.1	173.4	37.2	74.3	111.5	148.6	L		·····	╧╢╟└			┛║║└								MITM B	ST/
32"	108"	26.2	52.4	78.7	104.9	41.1	82.2	123.3	164.3	35.2	70.4	105.7	140.9							ТИГ			```	\backslash				2011 IMI	
36" 42"		23.8 21.1	47.6 42.2	71.5 63.4	95.3 84.5	37.3	74.7 66.2	112.0 99.3	149.3 132.4	32.0 28.4	64.0 56.7	96.0 85.1	128.0 113.5																360 ALU
48"		19.1	38.3	57.4	76.6	30.0	60.0	90.0	120.0	25.7	51.4	77.1	102.9		_			1				F	L					Dittle	Series De
24"		29.8	59.6	89.3	119.1	46.7	93.3	140.0	186.7	40.0	80.0	120.0	160.0									7	1111	<u>7777</u>	/////		1/17		
30" 32"	120"	24.5 23.2	49.0 46.4	73.5 69.6	98.0 92.8	38.4 36.3	76.8	115.2	153.6 145.4	32.9 31.2	65.8 62.3	98.7 93.5	131.7 124.6				╺╛╌┥┽┤╌└╼╴			┛╢└				$\langle \rangle \rangle \langle \rangle$			III.	N'LONY LYNN MA	111
36"		21.0	42.0	63.1	84.1	32.9	65.9	98.8	131.8	28.2	56.5	84.7	112.9	┢──╠═		–(nr	╒┨╢╘╼┲	h)			3			MM		IIII	χ.	J.S. LICENSE	
42"	1	18.6	37.1	55.7	74.3	29.1	58.2	87.3	116.4	24.9	49.9	74.8	99.7			7					I					_ 0	1/2 IN.	No. 58705	:DE
	ANCHORS AT												······································	N/		V	/			ANCHU		N. EDGE	2 0151.	- 2-	1/2 11.	No. 58705	:*E		
			4	ALUM	INUI	M_BU	ск і	FRAM	NG								STER OF	· 2, 4, 6	OR 8 A	NCHORS	∩r∕							TZODO	i ge E
				(A	TM	ULLI	ON E	NDS)								ANC	HORS AS	S PER SI). ALL OT HEET 13.	11LIX BUU								11 39 State of	34
				FOR V	WINDO	W AN	CHORI	NG TO								(CL	USIER O	r 8 BEIN	IG SHOWN	•)								I ISOS KORIDA	N.S.
								£ #14	SCRE	WS						E: ALUMIN STER OF					NDARD							1 MAL SIN	\` `
								TS 11							EXT	RA HOLES	MUST B	E FIELD	DRILLED	IF REQU	IRED.							A. LYŃŃ MILLÉR, P.E. P.E.# 58705	.
																									. <u>.</u>				