



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

NOTICE OF ACCEPTANCE (NOA)

MIAMI-DADE COUNTY
PRODUCT CONTROL SECTION

11805 SW 26 Street, Room 208
Miami, Florida 33175
T (786) 315-2590 F (786) 315-2599

www.miamidade.gov/economy

PGT Industries, Inc.
1070 Technology Drive
North Venice, FL 34275

SCOPE:

This NOA is being issued under the applicable rules and regulations governing the use of construction materials. The documentation submitted has been reviewed and accepted by Miami-Dade County RER - Product Control Section to be used in Miami Dade County and other areas where allowed by the Authority Having Jurisdiction (AHJ).

This NOA shall not be valid after the expiration date stated below. The Miami-Dade County Product Control Section (In Miami-Dade County) and/or the AHJ (in areas other than Miami-Dade County) reserve the right to have this product or material tested for quality assurance purposes. If this product or material fails to perform in the accepted manner, the manufacturer will incur the expense of such testing and the AHJ may immediately revoke, modify, or suspend the use of such product or material within their jurisdiction. RER reserves the right to revoke this acceptance, if it is determined by Miami-Dade County Product Control Section that this product or material fails to meet the requirements of the applicable building code.

This product is approved as described herein, and has been designed to comply with the Florida Building Code, including the High Velocity Hurricane Zone.

DESCRIPTION: Series "CA-740F Fixed Casement" Aluminum Fixed Window - L.M.I.

APPROVAL DOCUMENT: Drawing No. **MD-CA740F-LM**, titled "Fixed Casement Window Details - LM", sheets 1 through 11 of 11, dated 08/08/12, with revision D dated 03/13/2020, 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# 17-0614.15** 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 **Sifang Zhao, P.E.**



S.Z.
08/06/2020

NOA No. 20-0401.14
Expiration Date: April 11, 2023
Approval Date: August 06, 2020
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. 12-1218.11)*
2. Drawing No. **MD-CA740F-LM**, titled "Fixed Casement Window Details – LM", sheets 1 through 11 of 11, dated 08/08/12, with revision C dated 05/25/17, signed and sealed by Anthony Lynn Miller, P.E.

B. TESTS

1. Test reports on: 1) Uniform Static Air Pressure Test, Loading per FBC, TAS 202-94
2) Large Missile Impact Test per FBC, TAS 201-94
3) Cyclic Wind Pressure Loading per FBC, TAS 203-94
along with marked-up drawings and installation diagram of a PVC sliding glass door, a PVC fixed window and an aluminum sliding glass door, using: Kodispace 4SG TPS spacer system, Duraseal® spacer system, Super Spacer® NXT™ spacer system and XL Edge™ spacer system at insulated glass, prepared by Fenestration Testing Laboratory, Inc., Test Reports No. **FTL-8717**, **FTL-8968** and **FTL-8970**, dated 11/16/15, 06/07/16 and 06/02/16 respectively, all signed and sealed by Idalmis Ortega, P.E.
(Submitted under previous NOA No. 16-0629.22)
2. Test reports on: 1) Air Infiltration Test, per FBC, TAS 202-94
2) Uniform Static Air Pressure Test, Loading per FBC, TAS 202-94
3) Water Resistance Test, per FBC, TAS 202-94
4) Large Missile Impact Test per FBC, TAS 201-94
5) Cyclic Wind Pressure Loading per FBC, TAS 203-94
6) Forced Entry Test, per FBC 2411.3.2.1, and TAS 202-94
along with marked-up drawings and installation diagram of a series CA740F aluminum fixed casement window, prepared by Fenestration Testing Laboratory, Inc. Test Report No. **FTL-7063**, dated 09/17/12, signed and sealed by Marlin D. Brinson, P.E.
(Submitted under NOA No. 12-1218.11)

C. CALCULATIONS


1. Anchor verification calculations and structural analysis, complying with **FBC 5th Edition (2014)**, and with **FBC 6th Edition (2017)**, dated 06/09/17, prepared by manufacturer, signed and sealed by Anthony Lynn Miller, P.E.
2. Glazing complies with **ASTM E1300-04**

D. QUALITY ASSURANCE

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

E. MATERIAL CERTIFICATIONS

1. NOA No. **16-1117.01** issued to **Kuraray America, Inc.** for their "**Trosifol® Ultraclear, Clear and Color PVB Glass Interlayers**", expiring on 07/08/19.
2. NOA No. **14-0916.11** issued to **Kuraray America, Inc.** for their "**Kuraray SentryGlas® (Clear and White) Glass Interlayers**", expiring on 07/04/18.



Sifang Zhao, P.E.
Product Control Examiner
NOA No. 20-0401.14
Expiration Date: April 11, 2023
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PGT Industries, Inc.

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

F. STATEMENTS

1. Statement letter of conformance, complying with **FBC 5th Edition (2014)** and with **FBC 6th Edition (2017)**, dated August 29, 2017, issued by manufacturer, signed and sealed by Anthony Lynn Miller, P.E.
2. Statement letter of no financial interest, dated June 9, 2015, issued by manufacturer, signed and sealed by Anthony Lynn Miller, P.E.
3. Proposal No. **16-0125** issued by the Product Control Section, dated March 09, 2016, signed by Ishaq Chanda, P.E. (*Submitted under previous NOA No. 16-0629.22*)

G. OTHERS

1. NOA No. **16-0629.22**, issued to PGT Industries, Inc. for their Series “CA-740F Fixed Casement” Aluminum Fixed Window - L.M.I, expiring on 04/11/18.

2. NEW EVIDENCE SUBMITTED UNDER PREVIOUS NOA's

A. DRAWINGS

1. Drawing No. **MD-CA740F-LM**, titled “Fixed Casement Window Details - LM”, sheets 1 through 11 of 11, dated 08/08/12, with revision D dated 03/13/2020, 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. representative units listed below and tested to qualify **Dowsil 791** and **Dowsil 983** silicones, prepared by Fenestration Testing Laboratory, Inc., Test Reports No.: **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)
dated 07/13/20, all signed and sealed by Idalmis Ortega, P.E

C. CALCULATIONS

1. Anchor verification calculations and structural analysis, complying with **FBC-6th Edition (2017)** and **FBC-7th (2020)** dated 03/19/20, 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).



Sifang Zhao, P.E.
Product Control Examiner
NOA No. 20-0401.14
Expiration Date: April 11, 2023
Approval Date: August 06, 2020

PGT Industries, Inc.

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

E. MATERIAL CERTIFICATIONS

1. NOA No. **19-0305.02** issued to **Kuraray America, Inc.** for their “**Trosifol® Ultraclear, Clear and Color PVB Glass Interlayers**”, expiring on 07/08/24.
2. NOA No. **17-0808.02** issued to **Kuraray America, Inc.** for their “**SentryGlas® (Clear and White) Glass Interlayers**”, expiring on 07/04/23.

F. STATEMENTS

1. Statement letter of conformance, complying with **FBC-6th Edition (2017) and FBC-7th Edition (2020)**, dated 03/10/20, issued by manufacturer, signed and sealed by Anthony Lynn Miller, P.E.
2. Statement letter of no financial interest, dated 03/10/20, 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. NOA No. **17-0614.15**, issued to PGT Industries, Inc. for their Series “**CA-740F Fixed Casement**” Aluminum Fixed Window - L.M.I, expiring on 04/11/23.



Sifang Zhao, P.E.
Product Control Examiner
NOA No. 20-0401.14
Expiration Date: April 11, 2023
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MD-CA740F-LM | D

**INSTALLATION
OPTION 1**
INSTALLATION ANCHORS
INTO 2X WOOD.

EDGE DISTANCE

EDGE DISTANCE

EMBEDMENT

**INSTALLATION
OPTION 2**
INSTALLATION
ANCHORS DIRECTLY
INTO MASONRY.

TYP. ANCHOR
TYPE,
EMBEDMENT AND
EDGE DISTANCE
PER SUBSTRATE,
SEE TABLE 3,
SHEET 4.

CONCRETE/CMU
PER ANCHOR
REQUIREMENT

1/4" MAX
SHIM

BUCK WIDTH

AS REQUIRED
PER TABLE 3,
SHEET 4

**INSTALLATION
OPTION 4**
INSTALLATION
ANCHORS DIRECTLY
INTO METAL.

STEEL
SELF-DRILLING
SMS, SEE TABLE 3,
SHEET 4.

DADE APPROVED
MULLION, ALUMINUM,
STEEL FRAMING OR
STEEL STUD.

EXTERIOR

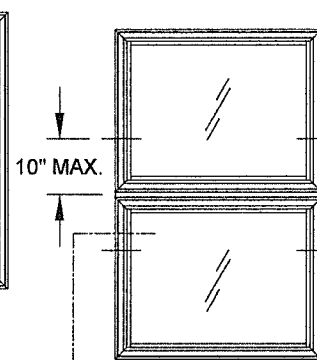
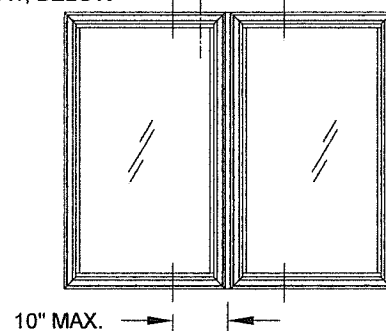
HORIZONTAL SECTION A-A

NOTES:

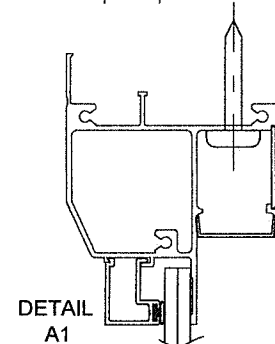
1) USE ONLY SUBSTRATE-APPROPRIATE ANCHORS LISTED ON TABLE 3, SHEET 4. FOLLOW EMBEDMENT AND EDGE DISTANCE LIMITS. ANY INSTALLATION OPTION SHOWN MAY BE USED ON ANY SIDE OF THE WINDOW.

2) ALL WOOD BUCKS LESS THAN 1-1/2" THICK ARE TO BE CONSIDERED 1X INSTALLATIONS. 1X WOOD BUCKS ARE OPTIONAL. UNIT MAY BE INSTALLED DIRECTLY TO SUBSTRATE. WOOD BUCKS DEPICTED AS 2X ARE 1-1/2" THICK OR GREATER. 1X AND 2X BUCKS (WHEN USED) SHALL BE DESIGNED TO PROPERLY TRANSFER LOADS TO THE STRUCTURE. WOOD BUCK DESIGN AND INSTALLATION IS THE RESPONSIBILITY OF THE ENGINEER OR ARCHITECT OF RECORD. MAXIMUM SHIM THICKNESS TO BE 1/4".

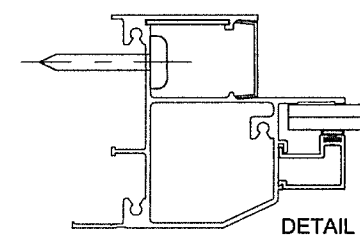
SEE DETAIL
A1, BELOW



SEE DETAIL A2, BELOW



DETAIL
A1



DETAIL
A2

NOTES:

1) WHEN INSTALLING COMBINATION UNITS, ADDITIONAL INSTALLATION ANCHORS MAY NEED TO BE INSTALLED THROUGH THE WINDOW FRAMES AT 10" MAX. FROM EACH SIDE OF THE FRAME ASSEMBLY TUBE CENTERLINE. SEE TABLE BELOW:

Additional Anchors Required on each Side of the Frame Assembly Tube (FAT)			
Vert. FAT	Window Width	Anchor Type	
		A	B, C & D
	17" - 25.9"	1	0
	26"+	1	1
Horiz. FAT	Window Height	Anchor Type	
		A	B, C & D
	17" - 25.9"	1	0
	26"+	1	1

VISIBLE LIGHT FORMULAS
WIDTH: WINDOW WIDTH - 7
HEIGHT: WINDOW HEIGHT - 7

PRODUCT REVISED
as complying with the Florida
Building Code

NOA-No. **20-0401.14**

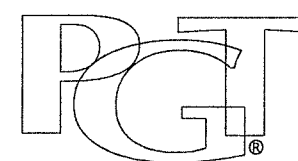
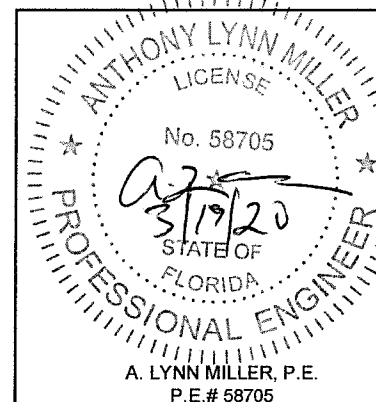
Expiration Date **04/11/2023**

By *CS*
Miami-Dade Product Control

Drawn By:
J ROSOWSKI

Date:
08/08/12

Rev:
D



1070 TECHNOLOGY DRIVE
N. VENICE, FL 34275
(941) 480-1600

REGISTRATION #29296

Revised By: JR	Date: 03/13/20	Revision D: NO CHANGES.
Revised By:	Date:	Revision:

Description:
GENERAL NOTES & ELEVATION

Title:
FIXED CASEMENT WINDOW DETAILS - LM

Series/Model:
CA-740

Scale:
NTS

Sheet:
2 OF 11

Drawing No.
MD-CA740F-LM

INSTALLATION OPTION 3
INSTALLATION ANCHORS THROUGH
1X BUCKSTRIP INTO MASONRY.

VERTICAL SECTION B-B

AS REQUIRED
PER TABLE 3,
SHEET 4

(35-37)

VISIBLE
LIGHT
HEIGHT
(DLO)

WINDOW
HEIGHT

EXTERIOR

BUCK
HEIGHT

1X WOOD
BUCKSTRIP,
SEE NOTE 2,
THIS SHEET.

1/4" MAX SHIM

EMBEDMENT

EDGE DISTANCE

CONCRETE
PER ANCHOR
REQUIREMENT

EDGE
DISTANCE

EMBEDMENT

OPTIONAL ADDON
FLANGE @ HEAD,
SILL & JAMBS

(70)

(1)

VISIBLE LIGHT WIDTH (DLO)

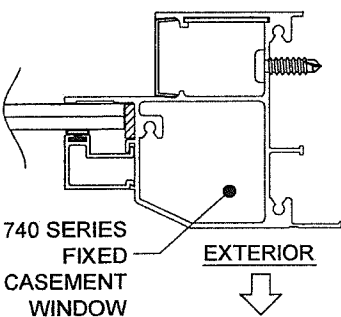
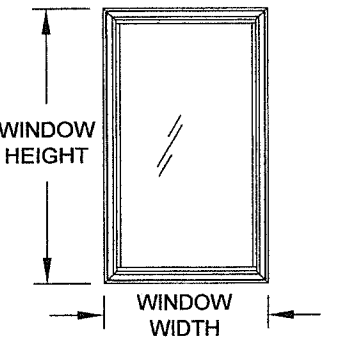
WINDOW WIDTH

(35-37)

(2)

EDGE DISTANCE

FIXED CASEMENT (O)

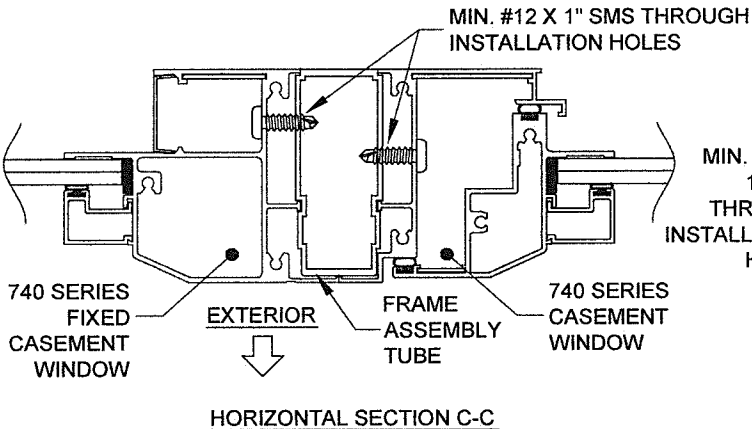
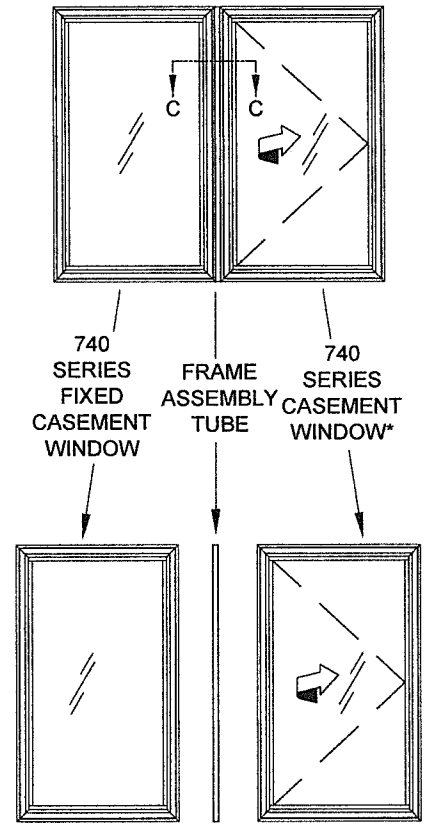


FOR SINGLE UNITS:

- 1) DETERMINE YOUR WINDOW SIZE AND GLASS.
- 2) KNOWING YOUR ANCHOR TYPE AND SUBSTRATE, DETERMINE YOUR ANCHOR GROUP FROM TABLE 3, SHEET 4.
- 3) FROM SHEETS 6-10, FIND THE SHEET FOR YOUR GLASS TYPE. FIND THE PRODUCT'S DESIGN PRESSURE FROM THE TABLE LABELED "DESIGN PRESSURE (PSF) FOR SINGLE WINDOWS, ALL ANCHOR GROUPS".
- 4) DIMENSIONS SHOWN ARE TIP-TO-TIP. FOR SIZES NOT SHOWN, ROUND UP TO THE NEXT AVAILABLE WIDTH OR HEIGHT DIMENSION SHOWN ON THE TABLES.
- 5) USING THE TABLES LABELED "WINDOW ANCHORS REQUIRED" (TABLES 2A & 2B, SHEETS 4 & 5), DETERMINE THE NUMBER OF ANCHORS NEEDED IN THE HEAD, SILL AND JAMBS OF YOUR WINDOW.
- 6) INSTALL AS PER THE INSTRUCTIONS ON SHEET 2.

FIXED CASEMENT / CASEMENT (OX)

FIGURE 1:

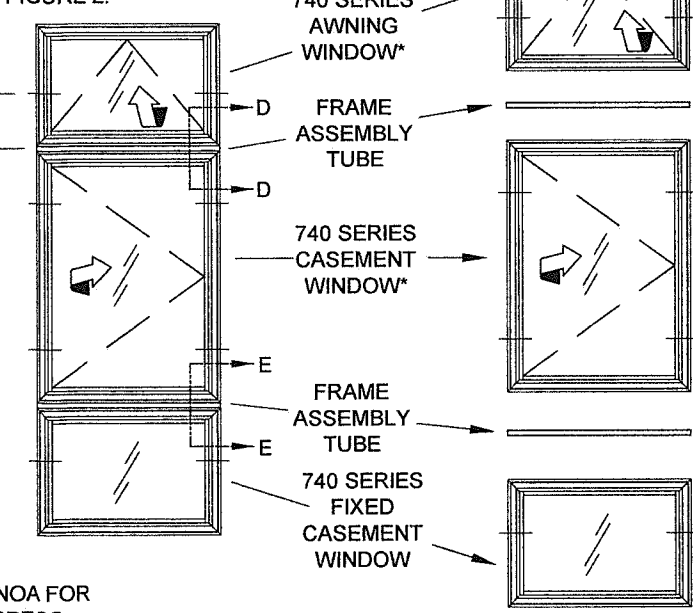


FOR EACH WINDOW IN A COMBINED ASSEMBLY:

- 1) DETERMINE EACH INDIVIDUAL WINDOW TYPE, SIZE AND GLASS MAKEUP, SEE FIGURES 1 & 2, THIS SHEET. DETERMINE YOUR ANCHOR GROUP FROM TABLE 3, SHEET 4.
- 2) FROM SHEETS 6-10, FIND THE SHEET FOR YOUR GLASS TYPE.
- 3) FIND THE DESIGN PRESSURE FROM THE TABLES LABELED "DESIGN PRESSURE (PSF) FOR WINDOWS ATTACHED TO A FRAME ASSEMBLY TUBE". THIS MUST BE DONE FOR EACH WINDOW IN THE ASSEMBLY, AND THE LOWEST DESIGN PRESSURE APPLIES TO THE ENTIRE ASSEMBLY. DIMENSIONS SHOWN ARE TIP-TO-TIP. FOR SIZES NOT SHOWN, ROUND UP TO THE NEXT AVAILABLE WIDTH OR HEIGHT DIMENSION SHOWN ON THE TABLES.
- 4) USING THE TABLE LABELED "WINDOW ANCHORS REQUIRED" (TABLES 2A & 2B, SHEETS 4 & 5), DETERMINE THE NUMBER OF ANCHORS NEEDED IN THE HEAD, SILL AND JAMBS OF YOUR WINDOW.
- 5) INSTALL AS PER THE INSTRUCTIONS ON SHEETS 2-3. NOTE THAT ADDITIONAL ANCHORS THROUGH THE WINDOW FRAME INTO THE SUBSTRATE MAY BE REQUIRED (SEE SHEET 2), AND THAT MIN. # 12 X 1" ANCHORS ARE TO BE USED THROUGH THE FRAME INTO THE FRAME ASSEMBLY TUBE (SEE DETAILS ON THIS SHEET).

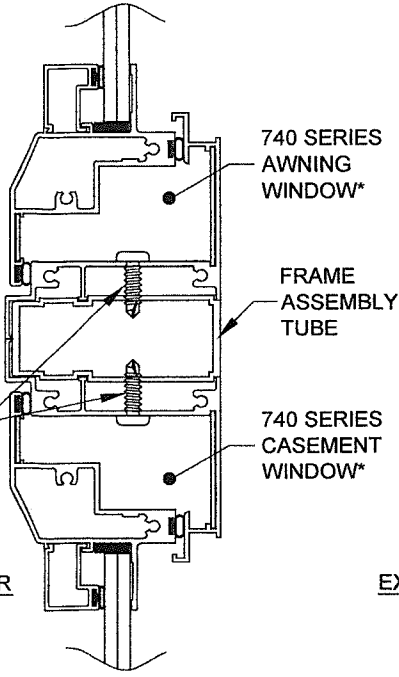
AWNING / CASEMENT / FIXED CASEMENT (XXO)

FIGURE 2:

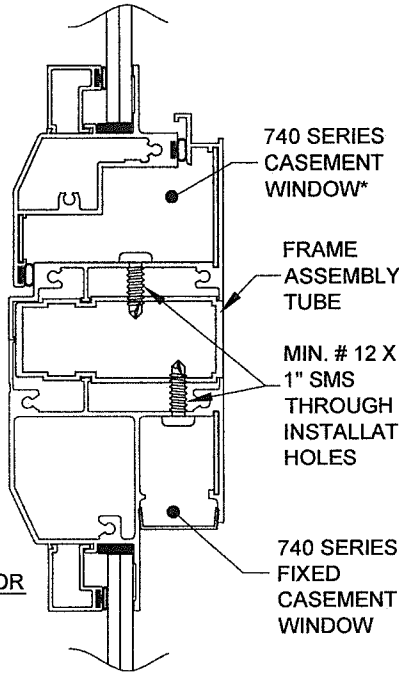


10", SEE NOTE 7, THIS SHEET

*SEE PRODUCT'S NOA FOR INSTALLATION SPECS



VERTICAL SECTION D-D



VERTICAL SECTION E-E

FRAME ASSEMBLY TUBE NOTES:

- 1) DIMENSIONS SHOWN ARE TIP-TO-TIP DIMENSIONS FOR EACH INDIVIDUAL WINDOW. FOR SIZES NOT SHOWN, ROUND UP TO THE NEXT AVAILABLE WIDTH OR HEIGHT DIMENSION SHOWN ON THE TABLES.
- 2) ANY 740-SERIES PRODUCT (CASEMENT, AWNING OR FIXED CASEMENT) MAY BE ATTACHED TO THE FRAME ASSEMBLY TUBE. FOR ALL WINDOWS, USE THE WINDOW'S NOA FOR ANCHORAGE, SIZE AND DESIGN PRESSURE LIMITATIONS.
- 3) ALL WINDOWS IN THE COMBINATION UNIT MUST BE ABLE TO INDIVIDUALLY COMPLY WITH THE REQUIREMENTS OF THEIR RESPECTIVE NOA.
- 4) FRAME ASSEMBLY TUBE TO BE FASTENED TO WINDOW, AS SHOW IN DETAILS, WITH MIN. #12 X 1" SHEET METAL SCREWS. USE THE SAME SPACING AND QUANTITY AS THE OPPOSITE FRAME MEMBER.
- 5) THE FRAME ASSEMBLY TUBE MAY NOT EXCEED 62" IN LENGTH (AS USED IN A 63" FLANGED WINDOW) OR BE USED IN TEE OR CROSS CONFIGURATIONS.
- 6) THE FRAME ASSEMBLY TUBE IS NOT REQUIRED TO BE CLIPPED TO THE SUBSTRATE. ALL EXTERIOR JOINTS TO BE SEALED BY INSTALLER.
- 7) FOR ALL COMBINATION UNITS, ADDITIONAL INSTALLATION ANCHORS MAY NEED TO BE INSTALLED THROUGH THE WINDOW FRAMES AT 10" MAX. FROM EACH SIDE OF THE FRAME ASSEMBLY TUBE CENTERLINE. SEE TABLE BELOW:

Additional Anchors Required on each Side of the Frame Assembly Tube (FAT)			
Vert. FAT	Window Width	Anchor Type	
		A	B, C & D
	17" - 25.9"	1	0
Horiz. FAT	Window Height	Anchor Type	
		A	B, C & D
	17" - 25.9"	1	0
	26"+	Anchor Type	
		A	B, C & D
		1	1

PRODUCT REVISED
as complying with the Florida
Building Code
NOA-No. **20-0401.14**
Expiration Date **04/11/2023**
By
Miami-Dade Product Control

Revision D: NO CHANGES.

Date: 03/13/20

Revised By: J ROSOWSKI

Date: 08/08/12

Drawn By: J ROSOWSKI

Description: FRAME ASSEMBLY TUBE DETAILS

Title: FIXED CASEMENT WINDOW DETAILS - LM

Series/Model: CA-740

Scale: NTS

Sheet: 3 OF 11

Drawing No. MD-CA740F-LM

Rev: D

REGISTRATION #29296

1070 TECHNOLOGY DRIVE
N. VENICE, FL 34275
(941) 480-1600

ANTHONY LYNN MILLER
P.E. # 58705

TABLE 2A:

Window Anchors Required (37" and Less on Short Side Dimension)																																					
Anchor Type			Short Side																																		
			under 23"				25-15/16"				27-3/4"				29"				31-1/2"				33-1/2"				34"				37"						
			A	B	C	D	A	B	C	D	A	B	C	D	A	B	C	D	A	B	C	D	A	B	C	D	A	B	C	D	A	B	C	D			
Long Side	under 23"	Long Side	2	2	2	2																															
		Short Side	2	2	2	2																															
	25-15/16"	Long Side	3	2	2	2	3	2	2	2																											
		Short Side	2	2	2	2	3	2	2	2																											
	35"	Long Side	4	3	3	3	5	3	3	3	5	3	3	3	5	3	3	3	5	3	3	3	5	3	3	3	5	3	3	3							
		Short Side	2	2	2	2	3	2	2	2	3	2	2	2	4	2	2	2	4	3	3	3	5	3	3	3	5	3	3	3							
	37"	Long Side	5	3	3	3	5	3	3	3	5	3	3	3	5	3	3	3	5	3	3	3	5	4	3	3	5	4	3	3	5	4	3	3			
		Short Side	2	2	2	2	3	2	2	2	3	2	2	2	4	2	2	2	4	3	3	3	5	3	3	3	5	3	3	3	5	4	3	3			
	44"	Long Side	6	4	3	3	6	4	3	3	6	4	4	3	7	4	4	3	7	4	4	3	7	5	4	3	7	5	4	3	7	5	4	3			
		Short Side	2	2	2	2	3	2	2	2	3	2	2	2	4	2	2	2	4	3	3	3	5	3	3	3	5	3	3	3	5	4	3	3			
	44-1/4"	Long Side	6	4	3	3	6	4	4	3	7	4	4	3	7	4	4	3	7	4	4	3	7	5	4	3	7	5	4	3	7	5	4	3			
		Short Side	2	2	2	2	3	2	2	2	3	2	2	2	4	2	2	2	4	3	3	3	5	3	3	3	5	3	3	3	5	4	3	3			
	53-1/8"	Long Side	7	5	4	3	8	5	4	3	8	5	5	3	8	5	5	3	9	6	5	3	9	6	5	3	9	6	5	3	10	6	5	3			
		Short Side	2	2	2	2	3	2	2	2	3	2	2	2	4	2	2	2	4	3	3	3	5	3	3	3	5	3	3	3	5	4	3	3			
	58"	Long Side	8	5	4	4	9	6	5	4	9	6	5	4	10	6	5	4	10	6	5	4	10	7	6	4	10	7	6	4	11	7	6	4			
		Short Side	2	2	2	2	3	2	2	2	3	2	2	2	4	2	2	2	4	3	3	3	5	3	3	3	5	3	3	3	5	4	3	3			
	63"	Long Side	9	6	5	4	10	6	5	4	10	7	6	4	11	7	6	4	11	7	6	4	12	7	6	4	12	7	6	4	12	8	7	4			
		Short Side	2	2	2	2	3	2	2	2	3	2	2	2	4	2	2	2	4	3	3	3	5	3	3	3	5	3	3	3	5	4	3	3			
	66-13/16"	Long Side	10	6	5	5	10	7	6	5	11	7	6	5	11	7	6	5	12	8	6	5	12	8	7	5	13	8	7	5	13	8	7	5			
		Short Side	2	2	2	2	3	2	2	2	3	2	2	2	4	2	2	2	4	3	3	3	5	3	3	3	5	3	3	3	5	4	3	3			
67-1/2"	Long Side	10	6	5	5	11	7	6	5	11	7	6	5	11	7	6	5	12	8	7	5	13	8	7	5	13	8	7	5	13	9	7	5				
	Short Side	2	2	2	2	3	2	2	2	3	2	2	2	4	2	2	2	4	3	3	3	5	3	3	3	5	3	3	3	5	4	3	3				
68"	Long Side	10	6	5	5	11	7	6	5	11	7	6	5	12	7	6	5	12	8	7	5	13	8	7	5	13	8	7	5	14	9	7	5				
	Short Side	2	2	2	2	3	2	2	2	3	2	2	2	4	2	2	2	4	3	3	3	5	3	3	3	5	3	3	3	5	4	3	3				
70"	Long Side	10	6	6	5	11	7	6	5	12	7	6	5	12	8	6	5	13	8	7	5	13	8	7	5	13	8	7	5	14	9	8	5				
	Short Side	2	2	2	2	3	2	2	2	3	2	2	2	4	2	2	2	4	3	3	3	5	3	3	3	5	3	3	3	5	4	3	3				
72"	Long Side	10	7	6	5	11	7	6	5	12	8	7	5	12	8	7	5	13	8	7	5	14	9	7	5	14	9	7	5	15	9	8	5				
	Short Side	2	2	2	2	3	2	2	2	3	2	2	2	4	2	2	2	4	3	3	3	5	3	3	3	5	3	3	3	5	4	3	3				
74"	Long Side	11	7	6	5	12	8	6	5	12	8	7	5	13	8	7	5	14	9	7	5	14	9	8	5	14	9	8	5	15	10	8	5				
	Short Side	2	2	2	2	3	2	2	2	3	2	2	2	4	2	2	2	4	3	3	3	5	3	3	3	5	3	3	3	5	4	3	3				
76"	Long Side	11	7	6	5	12	8	7	5	13	8	7	5	13	8	7	5	14	9	8	5	15	9	8	5	15	9	8	5	16	10	8	5				
	Short Side	2	2	2	2	3	2	2	2	3	2	2	2	4	2	2	2	4	3	3	3	5	3	3	3	5	3	3	3	5	4	3	3				
84"	Long Side	12	8	7	5	14	9	7	5	14	9	8	5	15	9	8	5	16	10	8	6	17	11	9	6	17	11	9	6	18	11	10	6				
	Short Side	2	2	2	2	3	2	2	2	3	2	2	2	4	2	2	2	4	3	3	3	5	3	3	3	5	3	3	3	5	4	3	3				
114"	Long Side	17	11	9	7	19	12	10	7	20	13	11	7	21	13	11	7	23	14	12	8	24	15	13	8	24	15	13	8	26	16	14	9				
	Short Side	2	2	2	2	3	2	2	2	3	2	2	2	4	2	2	2	4	3	3	3	5	3	3	3	5	3	3	3	5	4	3	3				
134"	Long Side	21	13	11	8	23	14	12	8	24	15	13	8	25	16	13	9	27	17	14	9	29	18	15	10	29	18	15	10								
	Short Side	2	2	2	2	3	2	2	2	3	2	2	2	4	2	2	2	4	3	3	3	5	3	3	3	5	3	3	3								
145"	Long Side	22	14	12	9	25	16	13	9	26	17	14	9	28	17	15	9	29	19	16	10																
	Short Side	2	2	2	2	3	2	2	2	3	2	2	2	4	2	2	2	4	3	3	3																

TABLE 3:

Group	Anchor	Substrate	Min. Edge Distance	Min. O.C. Distance	Min. Embedment	Anchor Plate Required?
A	#12 steel SMS (G5) or #14 steel SMS (G5) or #14 410 SS SMS	S. Pine	5/8"	1"	1-3/8"	No
		6063-T5 Alum.	3/8"	5/8"	.063"	No
		A36 Steel	3/8"	5/8"	.050"	No
		A653 Stud, Gr. 33	3/8"	5/8"	.045", 20 Ga.	No
	1/4" steel Ultracon+	3k Concrete	1"	3"	1-3/4"	No
B	1/4" steel Ultracon	Hollow Block	1"	3"	1-1/4"	No
		S. Pine	1"	1"	1-3/8"	No
		2.85k Concrete	2-1/2"	4"	1-3/8"	No
		Hollow Block	1"	6"	1-1/4"	No
C	1/4" steel Ultracon	Hollow Block	2-1/2"	5"	1-1/4"	No
		Hollow Block	1"	6"	1-1/4"	Yes
	1/4" steel Ultracon+	3k Concrete	1"	4"	1-3/8"	Yes
		Hollow Block	1"	3"	1-1/4"	Yes
	1/4" 410 SS CreteFlex	3.35k Concrete	1"	5"	1-3/4"	No
		Hollow Block	2-1/2"	5"	1-1/4"	No

TABLE 3: (cont.)

Group	Anchor	Substrate	Min. Edge Distance	Min. O.C. Distance	Min. Embedment	Anchor Plate Required?
D	#12 steel SMS (G5) or #12 410 SS SMS or #14 steel SMS (G5) or #14 410 SS SMS	S. Pine	5/8"	1"	1-3/8"	Yes
		6063-T5 Alum.	3/8"	5/8"	.0713"	Yes
		A36 Steel	3/8"	5/8"	.050"	Yes
		A653 Stud, Gr. 33	3/8"	5/8"	.045", 18 Ga.	Yes
		2.85k Concrete	1"	4"	1-3/4"	Yes
	1/4" steel Ultracon	2.85k Concrete	2-1/2"	4"	1-3/8"	Yes
		Hollow Block	2-1/2"	5"	1-1/4"	Yes
		Filled Block	2-1/2"	4"	1-3/4"	Yes
		3.35k Concrete	1"	6"	1-3/4"	Yes
	1/4" 410 SS CreteFlex	3.35k Concrete	2-1/2"	6"	1"	Yes
		Hollow Block	2-1/2"	6"	1-1/4"	Yes
		3.5k Concrete	1-1/4"	5"	1-3/4"	No
		Hollow Block	3-1/8"	5"	1-1/4"	No
	5/16" steel Ultracon	Filled Block	2-1/2"	5"	1-3/4"	No
		3k Concrete	1-5/16"	4"	1-3/8"	Yes
		Hollow Block	1-3/4"	3"	1-1/4"	Yes
	1/4" steel Ultracon+	S. Pine	1"	1"	1-3/8"	Yes

1) WHERE SUBSTRATE CONDITIONS REQUIRE ANCHORAGE FROM MORE THAN ONE OF THE ANCHOR GROUPS, CHOOSE THE ANCHOR GROUP OF THE LOWEST LETTER FOR ALL SUBSEQUENT TABLES IN THIS APPROVAL.

2) ANCHOR MUST EXTEND A MIN. OF 3 THREADS BEYOND ANY METAL SUBSTRATE.

3) ANCHORS MAY BE HEXHEAD, PANHEAD OR FLATHEAD.

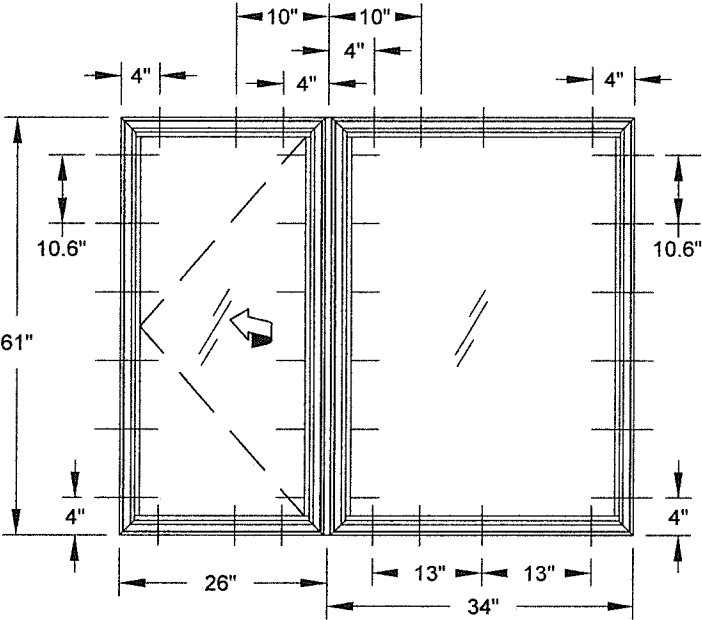
Material	Min. F _y	Min. F _u
Steel Screw	92 ksi	120 ksi
410 Screw	90 ksi	110 ksi
Elco UltraCon®	155 ksi	177 ksi
1/4" DeWalt UltraCon+®	148 ksi	164 ksi
410 SS Elco/Dewalt CreteFlex®	127.4 ksi	189.7 ksi
6063-T5 Aluminum	16 ksi	22 ksi
A36 Steel	36 ksi	58 ksi
Gr. 33 Steel Stud	33 ksi	45 ksi

TABLE 2B:

Window Anchors Required (Over 37" on Short Side Dimension)																																																																																						
Anchor Type			Short Side																																																																																			
			40"				44"				48-1/4"				53-1/8"				54"				58"				60"				63"				67-1/2"																																																			
			A	B	C	D	A	B	C	D	A	B	C	D	A	B	C	D	A	B	C	D	A	B	C	D	A	B	C	D	A	B	C	D	A	B	C	D																																																
Long Side	under 23"	Long Side																																																																																				
		Short Side																																																																																				
	25-15/16"	Long Side																																																																																				
		Short Side																																																																																				
	35"	Long Side																																																																																				
		Short Side																																																																																				
	37"	Long Side																																																																																				
		Short Side																																																																																				
	44"	Long Side																																					7	5	4	3	7	5	4	3																																								
		Short Side																																					6	4	3	3	7	5	4	3																																								
	44-1/4"	Long Side	7	5	4	3	7	5	4	3																																																																												
		Short Side	6	4	3	3	7	5	4	3																																																																												
	53-1/8"	Long Side	10	6	5	4	10	7	6	4	10	7	6	4	11	7	6	4																																																																				
		Short Side	6	4	3	3	7	5	4	3	9	6	5	3	11	7	6	4																																																																				
	58"	Long Side	11	7	6	4	12	8	6	4	12	8	7	4	12	8	7	4																	12	8	7	4	13	8	7	4																																												
		Short Side	6	4	3	3	7	5	4	3	9	6	5	3	11	7	6	4																	11	7	6	4	13	8	7	4																																												
	63"	Long Side	13	8	7	5	13	9	7	5	14	9	7	5	14	9	8	5																	14	9	8	5	15	9	8	5																					15	9	8	5	15	9	8	5																
		Short Side	6	4	3	3	7	5	4	3	9	6	5	3	11	7	6	4																	11	7	6	4	13	8	7	4																					13	9	7	5	15	9	8	5																
	66-13/16"	Long Side	14	9	7	5	15	9	8	5	15	10	8	5	16	10	8	5																	16	10	8	5	16	10	8	5																	16	10	8	5	16	10	8	5	15	10	8	5																
		Short Side	6	4	3	3	7	5	4	3	9	6	5	3	10	7	6	4																	11	7	6	4	12	8	7	4																	13	8	7	5	14	9	8	5	16	10	8	6																
	67-1/2"	Long Side	14	9	8	5	15	9	8	5	15	10	8	5	16	10	8	6																	16	10	8	6	16	10	8	6																	16	10	8	6	16	10	8	6	16	10	8	6																
		Short Side	6	4	3	3	7	5	4	3	9	6	5	3	10	7	6	4																	11	7	6	4	12	8	7	4																	13	8	7	5	14	9	7	5	16	10	8	6																
	68"	Long Side	14	9	8	5	15	10	8	5	16	10	8	5	16	10	9	6	16	10	9	6	16	10	9	6	16	10	9	6	16	10	9	6																																																				
		Short Side	6	4	3	3	7	5	4	3	9	6	5	3	10	7	6	4	11	7	6	4	12	8	6	4	13	8	7	4	14	9	7	5																																																				
70"	Long Side	15	9	8	5	16	10	8	5	16	10	9	6	16	10	9	6	16	10	9	6	16	10	9	6	16	10	9	6	16	10	9	6																																																					
	Short Side	6	4	3	3	7	5	4	3	9	6	5	3	10	7	6	4	10	7	6	4	12	7	6	4	12	8	7	4	13	9	7	5																																																					
72"	Long Side	15	10	8	5	16	10	9	6	17	11	9	6	17	11	9	6	17	11	9	6	17	11	9	6	17	11	9	6	17	11	9	6																																																					
	Short Side	6	4	3	3	7	5	4	3	9	6	5	3	10	6	5	4	10	7	6	4	12	7	6	4	12	8	7	4	13	8	7	5																																																					
74"	Long Side	16	10	9	6	17	11	9	6	17	11	9	6	17	11	9	6	17	11	9	6	17	11	9	6	17	11	9	6																																																									
	Short Side	6	4	3	3	7	5	4	3	9	6	5	3	10	6	5	4	10	7	6	4	11	7	6	4	12	8	6	4																																																									
76"	Long Side	16	10	9	6	17	11	9	6	18	11	9	6	18	11	9	6	18	11	9	6	18	11	9	6	18	11	9	6																																																									
	Short Side	6	4	3	3	7	5	4	3	9	5	5	3	10	6	5	4	10	6	5	4	11	7	6	4	12	8	6	4																																																									
84"	Long Side	19	12	10	6	20	12	10	7	20	12	10	7	20	12	10	7	20	12	10	7																																																																	
	Short Side	6	4	3	3	7	5	4	3	8	5	4	3	9	6	5	3	10	6	5	3																																																																	
114"	Long Side	26	17	14	9																																																																																	
	Short Side	6	4	3	3																																																																																	

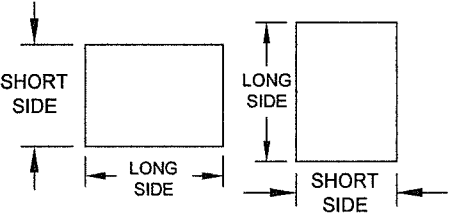
EXAMPLE 1: FOR WINDOW COMBINATION SHOWN BELOW; 7/16" HEAT-STRENGTHENED LAMINATED GLASS, 1/4" MASONRY ANCHORS INTO CONCRETE, +70/-85 PSF DP REQUIRED

- CASEMENT ANCHORS (SEE SEPERATE NOA):
- A) FROM TABLE 12, ANCHORS C & D ALLOW A DP OF +70/-90.
- B) FOR THE JAMB, FROM TABLE 3, ANCHOR TYPE C HAS THE ANCHOR AND SUBSTRATE DESIRED AND DOES NOT REQUIRE THE ANCHOR PLATE IF USING THE CRETEFLEX ANCHOR.
- C) FROM TABLE 2, 6 ANCHORS ARE REQUIRED IN EACH JAMB.
- D) SIMILARLY, 2 ANCHORS ARE REQUIRED IN THE HEAD & SILL.
- E) DISTRIBUTE ANCHORS FOLLOWING GUIDELINES FROM ELEVATION ON SHEET 1.
- F) PER RULES ON SHEETS 2 & 3, INSTALL 1 ADDITIONAL ANCHOR ON THE FRAME ASSEMBLY TUBE SIDE OF THE AWNING (HEAD & SILL).



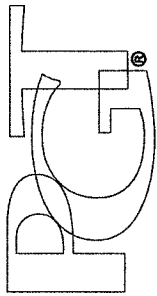
- FIXED CASEMENT ANCHORS:
- A) FROM TABLE 11, A 34" X 61" FIXED CASEMENT WINDOW HAS A DESIGN PRESSURE OF +70/-90 USING ANCHORS C OR D.
- B) FOR THE JAMB, FROM TABLE 3, ANCHOR TYPE C HAS THE ANCHOR AND SUBSTRATE DESIRED AND DOES NOT REQUIRE THE ANCHOR PLATE IF USING THE CRETEFLEX ANCHOR.
- C) FROM TABLE 2A, 6 ANCHORS ARE REQUIRED IN EACH JAMB.
- D) SIMILARLY, 3 ANCHORS ARE REQUIRED IN THE HEAD & SILL.
- E) DISTRIBUTE ANCHORS FOLLOWING GUIDELINES FROM ELEVATION ON SHEET 1.
- F) PER RULES ON SHEET 2, INSTALL 1 ADDITIONAL ANCHOR ON THE FRAME ASSEMBLY TUBE SIDE OF THE FIXED CASEMENT (HEAD & SILL).

- 1) USE THIS TABLE FOR ALL WINDOWS PER THE ELEVATIONS ON SHEET 1. DIMENSIONS SHOWN ARE TIP-TO-TIP.
- 2) FOR SIZES NOT SHOWN, ROUND UP TO THE NEXT AVAILABLE SHORT OR LONG SIDE DIMENSION SHOWN ON THE TABLE.
- 3) TABLE DIMENSIONS MAY BE ORIENTED VERTICALLY OR HORIZONTALLY AS SHOWN:



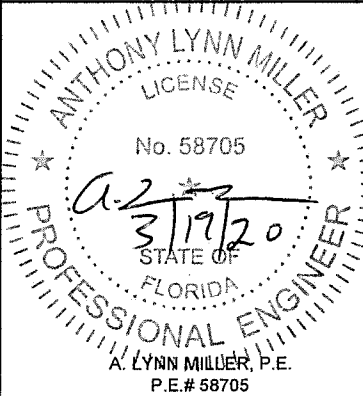
PRODUCT REVISED
as complying with the Florida
Building Code
NOA-No. **20-0401.14**
Expiration Date **04/11/2023**
By
Miami-Dade Product Control

Revision D:	NO CHANGES.	Date:	03/13/20	Revised By:	J ROSOWSKI
		Date:	08/08/12	Drawn By:	J ROSOWSKI
				Description:	ANCHOR TYPE AND QUANTITY
				Title:	FIXED CASEMENT WINDOW DETAILS - LM
				Series/Model:	CA-740
				Scale:	NTS
				Sheet:	5 OF 11
				Drawing No.:	MD-CA740F-LM



1070 TECHNOLOGY DRIVE
N. VENICE, FL 34275
(941) 480-1600

REGISTRATION #29296



FOR GLASS TYPES:

1) 5/16" LAMI (1/8 AN - .090" PVB - 1/8 AN)

"PVB"= TROSIFOL® PVB INTERLAYER BY KURARAY AMERICA, INC.

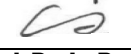
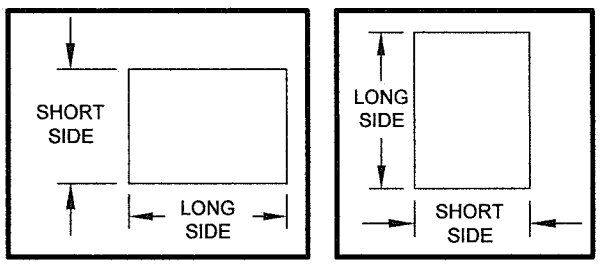
PRODUCT REVISED
as complying with the Florida
Building Code
NOA-No. **20-0401.14**
Expiration Date **04/11/2023**
By 
Miami-Dade Product Control

TABLE 4:

	Design Pressure (psf) for Single Windows, All Anchor Groups							
	Short Side							
	under 23"	25-15/16"	27-3/4"	33-1/2"	37"	44"	48-1/4"	53-1/8"
Long Side	under 23"	+70/-90						
	25-15/16"	+70/-90	+70/-90					
	37"	+70/-90	+70/-90	+70/-90	+70/-90			
	44"	+70/-90	+70/-90	+70/-90	+70/-90	+70/-90		
	48-1/4"	+70/-90	+70/-90	+70/-90	+70/-90	+70/-84.1	+70/-80.1	
	53-1/8"	+70/-90	+70/-90	+70/-90	+70/-84.1	+60/-70	+60/-70	+60/-67.5
	58"	+70/-90	+70/-90	+70/-90	+70/-83.2	+70/-77	+60/-67.8	+60/-63.2
	63"	+70/-90	+70/-90	+70/-90	+70/-76.5	+70/-70.1	+60/-61.3	
	76"	+70/-90	+70/-84.6	+70/-75.7	+/-58.9	+/-55.6		
	84"	+70/-90	+70/-80.4	+70/-71.3	+/-54.2			

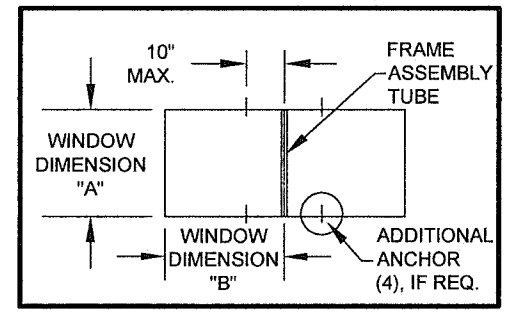


1) SEE SHEETS 1, 4 & 5 FOR WINDOW ANCHOR LOCATIONS AND QUANTITIES.
2) TABLE DIMENSIONS MAY BE ORIENTED VERTICALLY OR HORIZONTALLY AS SHOWN.

TABLE 5:

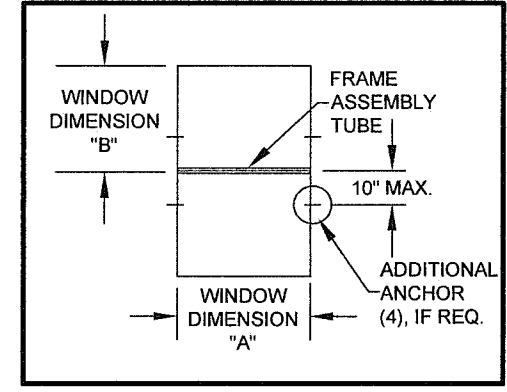
<div><div></div><div></div><div></div></div>			Design Pressure (psf) for Windows Attached to a Frame Assembly Tube																													
			Window Dimension "A"																													
			under 23"	25-15/16"	27-3/4"	33-1/2"			37"			44"				48-1/4"				53-1/8"				58"				63"				
			Anchor Group	Anchor Group	Anchor Group	Anchor Group			Anchor Group			Anchor Group				Anchor Group				Anchor Group				Anchor Group								
			All	All	All	A	B	C & D	A	B	C & D	A	B	C	D	A	B	C	D	A	B	C	D	A	B	C	D	A	B	C	D	
Window Dimension "B"	under 23"	+70/-90	+70/-90	+70/-90	+70/-90	+70/-87.6	+70/-90	+70/-90	+70/-79.2	+70/-90	+70/-83.1	+/-66.6	+70/-79.7	+70/-90	+70/-75.8	+/-60.7	+70/-72.7	+70/-90	+/-69	+/-55.3	+/-66.1	+70/-90	+/-63.1	+/-50.5	+/-60.5	+70/-90	+/-58.1	+/-46.5	+/-55.7	+70/-88.7		
	25-15/16"	+70/-90	+70/-90	+70/-90	+70/-90	+70/-90	+70/-90	+70/-87.6	+70/-90	+70/-90	+70/-73.7	+70/-90	+70/-90	+70/-90	+/-67.1	+70/-90	+70/-90	+70/-90	+/-61.1	+70/-90	+70/-90	+70/-90	+/-55.9	+70/-89.6	+70/-90	+70/-90	+/-51.5	+70/-82.5	+70/-90	+70/-90		
	37"	+70/-90	+70/-90	+70/-90	+70/-90	+70/-84.9	+70/-90	+70/-90	+70/-76.8	+70/-90	+70/-90	+/-64.6	+70/-90	+70/-90	+70/-90	+/-58.8	+70/-90	+70/-90	+/-53.6	+70/-84.1	+70/-84.1	+70/-84.1	+/-49	+70/-77	+70/-77	+70/-77	+/-45.1	+70/-70.1	+70/-70.1	+70/-70.1		
	44"	+70/-90	+70/-90	+70/-90	+70/-85.6	+70/-90	+70/-90	+70/-90	+70/-90	+70/-90	+70/-76	+70/-87	+70/-90	+70/-90	+/-59.4	+70/-79.3	+70/-84.1	+70/-84.1	+/-54.1	+70/-72.2	+70/-75.7	+70/-75.7	+/-49.4	+/-66	+67/-67.8	+67/-67.8	+/-37.9	+/-60.8	+/-61.3	+/-61.3		
	48-1/4"	+70/-90	+70/-90	+70/-90	+70/-90	+70/-90	+70/-90	+70/-82.4	+70/-90	+70/-90	+/-69.3	+70/-79.3	+70/-84.1	+70/-84.1	+/-63.1	+70/-72.3	+70/-80.1	+70/-80.1	+/-49.3	+/-65.8	+69.6/-71.6	+69.6/-71.6	+/-45	+/-60.2	+/-63.2	+/-63.2						
	53-1/8"	+70/-90	+70/-90	+70/-90	+70/-90	+70/-90	+70/-90	+70/-84.1	+70/-84.1	+70/-84.1	+/-63.1	+70/-75.7	+70/-75.7	+70/-75.7	+/-57.5	+/-65.8	+69.6/-71.6	+69.6/-71.6	+/-52.3	+/-59.9	+/-67.5	+/-67.5										
	58"	+70/-90	+70/-90	+70/-90	+70/-83.2	+70/-83.2	+70/-83.2	+70/-77	+70/-77	+70/-77	+/-65.9	+67/-67.8	+67/-67.8	+67/-67.8	+/-52.6	+/-63.2	+/-63.2	+/-63.2														
	63"	+70/-90	+70/-90	+70/-90	+70/-76.5	+70/-76.5	+70/-76.5	+70/-70.1	+70/-70.1	+70/-70.1	+/-60.7	+/-61.3	+/-61.3	+/-61.3																		
76"	+70/-90	+70/-84.6	+70/-75.7	+/-58.9	+/-58.9	+/-58.9	+/-55.6	+/-55.6	+/-55.6																							
84"	+70/-90	+70/-80.4	+70/-71.3	+/-54.2	+/-54.2	+/-54.2																										

FIGURE FOR VERTICAL FRAME ASSEMBLY TUBE



SEE SHEETS 1, 4 & 5 FOR WINDOW ANCHOR LOCATIONS AND QUANTITIES. SEE SHEET 3 FOR ANY ADDITIONAL ANCHORS REQUIRED FOR THE FRAME ASSEMBLY TUBE.

FIGURE FOR HORIZONTAL FRAME ASSEMBLY TUBE



SEE SHEETS 1, 4 & 5 FOR WINDOW ANCHOR LOCATIONS AND QUANTITIES. SEE SHEET 3 FOR ANY ADDITIONAL ANCHORS REQUIRED FOR THE FRAME ASSEMBLY TUBE.

SEE SHEET 4 FOR ADDITIONAL SAMPLE CONFIGURATIONS

Revised By: J ROSOWSKI
Date: 03/13/20
Revision D: NO CHANGES.

Drawn By: J ROSOWSKI
Date: 08/08/12

Description: DESIGN PRESSURES PER GLAZING TYPE

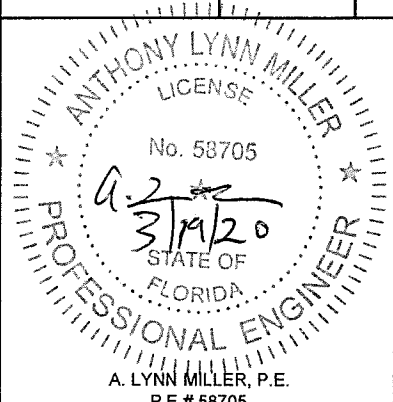
Title: FIXED CASEMENT WINDOW DETAILS - LM

Series/Model: CA-740

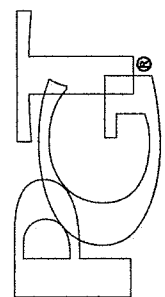
Sheet: 6 OF 11
Scale: NTS

Drawing No. MD-CA740F-LM

Rev: D



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



1070 TECHNOLOGY DRIVE
N. VENICE, FL 34275
(941) 480-1600

REGISTRATION #29296

FOR GLASS TYPES:

5) 7/8" LAMI. IG:(1/8" T - 7/16" AIR - 1/8" AN - .090" PVB - 1/8" AN)

"PVB"= TROSIFOL® PVB INTERLAYER BY KURARAY AMERICA, INC.

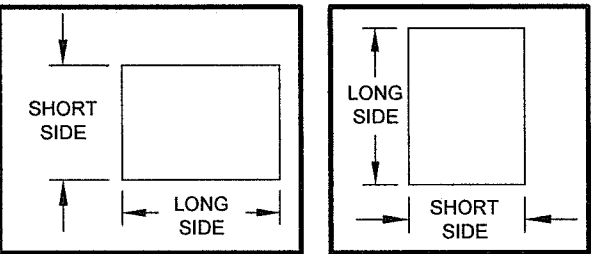
PRODUCT REVISED
as complying with the Florida
Building Code
NOA-No. **20-0401.14**

Expiration Date **04/11/2023**

By 
Miami-Dade Product Control

TABLE 6:

Design Pressure (psf) for Single Windows, All Anchor Groups								
Long Side	Short Side							
	under 23"	25-15/16"	27-3/4"	33-1/2"	37"	44"	48-1/4"	
	under 23"	+70/-90						
	25-15/16"	+70/-90	+70/-90					
	37"	+70/-90	+70/-90	+70/-90	+70/-90	+70/-90		
	44"	+70/-90	+70/-90	+70/-90	+70/-90	+70/-90	+70/-90	
	48-1/4"	+70/-90	+70/-90	+70/-90	+70/-90	+70/-90	+70/-90	
	53-1/8"	+70/-90	+70/-90	+70/-90	+70/-90			
	58"	+70/-90	+70/-90	+70/-90	+70/-90	+70/-87.8		
	63"	+70/-90	+70/-90	+70/-90	+70/-87.2	+70/-79.9		
	76"	+70/-90	+70/-90	+70/-86.3				
	84"	+70/-90	+70/-90	+70/-81.3				

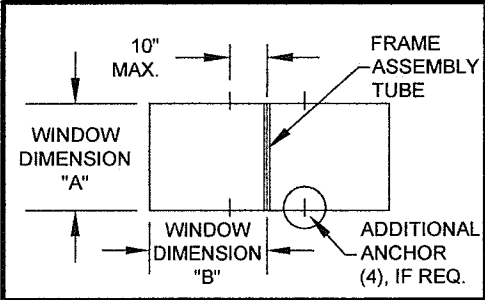


1) SEE SHEETS 1, 4 & 5 FOR WINDOW ANCHOR LOCATIONS AND QUANTITIES.
2) TABLE DIMENSIONS MAY BE ORIENTED VERTICALLY OR HORIZONTALLY AS SHOWN.

TABLE 7:

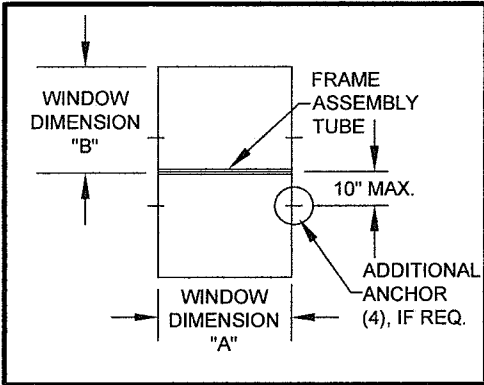
Design Pressure (psf) for Windows Attached to a Frame Assembly Tube																													
Window Dimension "B"	Window Dimension "A"																												
	under 23"	25-15/16"	27-3/4"	33-1/2"			37"			44"				48-1/4"				53-1/8"				58"				63"			
	Anchor Group	Anchor Group	Anchor Group	Anchor Group			Anchor Group			Anchor Group				Anchor Group				Anchor Group				Anchor Group				Anchor Group			
	All	All	All	A	B	C & D	A	B	C & D	A	B	C	D	A	B	C	D	A	B	C	D	A	B	C	D	A	B	C	D
	under 23"	+70/-90	+70/-90	+70/-90	+70/-90	+70/-87.6	+70/-90	+70/-79.2	+70/-90	+70/-83.1	+/-66.6	+70/-79.7	+70/-90	+70/-75.8	+/-60.7	+70/-72.7	+70/-90	+/-69	+/-55.3	+/-66.1	+70/-90	+/-63.1	+/-50.5	+/-60.5	+70/-90	+/-58.1	+/-46.5	+/-55.7	+70/-88.7
25-15/16"	+70/-90	+70/-90	+70/-90	+70/-90	+70/-90	+70/-90	+70/-87.6	+70/-90	+70/-90	+70/-73.7	+70/-90	+70/-90	+70/-90	+/-67.1	+70/-90	+70/-90	+70/-90	+/-61.1	+70/-90	+70/-90	+70/-90	+/-55.9	+70/-89.6	+70/-90	+70/-90	+/-51.5	+70/-82.5	+70/-90	+70/-90
37"	+70/-90	+70/-90	+70/-90	+70/-90	+70/-90	+70/-90	+70/-76.8	+70/-90	+70/-90	+/-64.6	+70/-90	+70/-90	+70/-90	+/-58.8	+70/-90	+70/-90	+70/-90	+/-53.6	+70/-85.9	+70/-90	+70/-90	+/-49	+70/-78.5	+70/-87.8	+70/-87.8	+/-45.1	+70/-72.3	+70/-79.9	+70/-79.9
44"	+70/-90	+70/-90	+70/-90	+70/-85.6	+70/-90	+70/-90	+70/-90	+70/-90	+70/-90	+70/-76	+70/-87	+70/-90	+70/-90	+/-69.3	+70/-79.3	+70/-90	+70/-90												
48-1/4"	+70/-90	+70/-90	+70/-90	+70/-90	+70/-90	+70/-90	+70/-82.4	+70/-90	+70/-90	+/-69.3	+70/-90	+70/-90	+70/-90	+/-63.1	+70/-86.7	+70/-86.5	+70/-90												
53-1/8"	+70/-90	+70/-90	+70/-90	+70/-90	+70/-90	+70/-90	+70/-85.7	+70/-90	+70/-90																				
58"	+70/-90	+70/-90	+70/-90	+70/-86.6	+70/-90	+70/-90	+70/-87.8	+70/-87.8	+70/-87.8																				
63"	+70/-90	+70/-90	+70/-90	+70/-87.2	+70/-87.2	+70/-87.2	+70/-79.9	+70/-79.9	+70/-79.9																				
76"	+70/-90	+70/-90	+70/-90	+70/-86.3																									
84"	+70/-90	+70/-90	+70/-81.3																										

FIGURE FOR VERTICAL FRAME ASSEMBLY TUBE

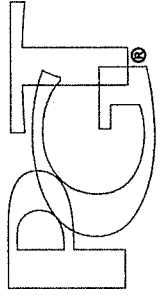


SEE SHEETS 1, 4 & 5 FOR WINDOW ANCHOR LOCATIONS AND QUANTITIES. SEE SHEET 3 FOR ANY ADDITIONAL ANCHORS REQUIRED FOR THE FRAME ASSEMBLY TUBE.

FIGURE FOR HORIZONTAL FRAME ASSEMBLY TUBE

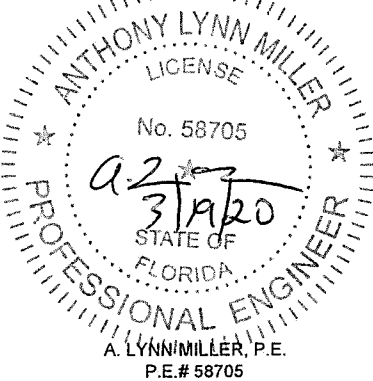


SEE SHEETS 1, 4 & 5 FOR WINDOW ANCHOR LOCATIONS AND QUANTITIES. SEE SHEET 3 FOR ANY ADDITIONAL ANCHORS REQUIRED FOR THE FRAME ASSEMBLY TUBE.



1070 TECHNOLOGY DRIVE
N. VENICE, FL 34275
(941) 480-1600

REGISTRATION #29296



ANTHONY LYNN MILLER
LICENSE
No. 58705
3/19/20
STATE OF
FLORIDA
A. LYNN MILLER, P.E.
P.E.# 58705

FOR GLASS TYPES:

- 2) 7/16" LAMI. (3/16" AN - .090" SG - 3/16" AN
- 6) 7/8" LAMI. IG: (3/16" AN - 1/4" AIR - 3/16" AN - .090" SG - 3/16" AN)
- 8) 7/8" LAMI. IG: (3/16" T - 1/4" AIR - 3/16" AN - .090" SG - 3/16" AN)

"SG"= SENTRYGLAS®INTERLAYER BY KURARAY AMERICA, INC.

PRODUCT REVISED
as complying with the Florida
Building Code

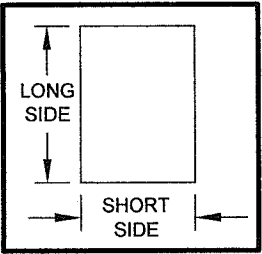
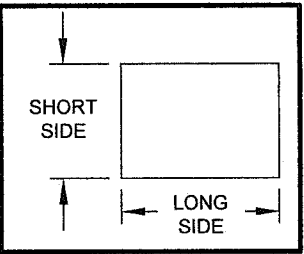
NOA-No. 20-0401.14

Expiration Date 04/11/2023

By 
Miami-Dade Product Control

TABLE 8:

Design Pressure (psf) for Single Windows, All Anchor Groups										
Long Side	Short Side									
	under 23"	25-15/16"	29"	31-1/2"	34"	40"	54"	60"	63"	67-1/2"
	under 23"	+90/-130								
	25-15/16"	+90/-130	+90/-130							
	63"	+90/-130	+90/-130	+90/-123.1	+90/-116.5	+90/-110.7	+90/-100.7	+/- 89.1	+/- 86.1	+/- 83.1
	67-1/2"	+90/-130	+90/-130	+90/-120.7	+90/-113.9	+90/-108	+90/-97.6	+/- 84.8	+/- 80.5	+/- 78.3
	72"	+90/-130	+90/-129.2	+90/-118.7	+90/-111.8	+90/-105.8	+90/-95.1	+/- 81.3	+/- 76.1	+/- 73.8
	76"	+90/-130	+90/-127.8	+90/-117.1	+90/-110.2	+90/-104.1	+90/-93.2	+/- 78	+/- 72.5	
	84"	+90/-130	+90/-125.3	+90/-114.5	+90/-107.5	+90/-101.3	+/- 89.9	+/- 70.7		
	114"	+90/-130	+90/-119.6	+90/-108.6	+90/-101.4	+90/-95	+/- 73			
	134"	+90/-130	+90/-117.3	+90/-106.3	+90/-99	+90/-92.6				
	145"	+90/-129.8	+90/-116.4	+90/-105.3	+90/-98					

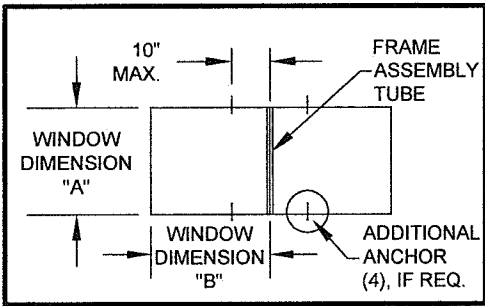


- 1) SEE SHEETS 1, 4 & 5 FOR WINDOW ANCHOR LOCATIONS AND QUANTITIES.
- 2) TABLE DIMENSIONS MAY BE ORIENTED VERTICALLY OR HORIZONTALLY AS SHOWN.

TABLE 9:

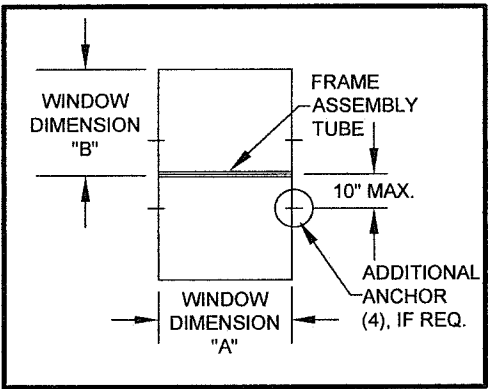
<div><div></div><div></div><div></div></div>		Design Pressure (psf) for Windows Attached to a Frame Assembly Tube																							
		Window Dimension "A"																							
		under 23"	25-15/16"	29"	31-1/2"	34"			40"				54"				60"				63"				
		Anchor Group	Anchor Group	Anchor Group	Anchor Group	Anchor Group			Anchor Group				Anchor Group				Anchor Group				Anchor Group				
		All	All	All	All	A	B	C & D	A	B	C	D	A	B	C	D	A	B	C	D	A	B	C	D	
Window Dimension "B"	under 23"	+70/-90	+70/-90	+70/-90	+70/-90	+70/-90	+70/-86.2	+70/-90	+70/-90	+70/-73.3	+70/-87.7	+70/-90	+/-67.7	+/-54.3	+/-65	+70/-90	+/-61	+/-48.9	+/-58.5	+70/-90	+/-58.1	+/-46.5	+/-55.7	+70/-88.7	
	25-15/16"	+70/-90	+70/-90	+70/-90	+70/-90	+70/-90	+70/-90	+70/-90	+70/-90	+70/-90	+70/-90	+70/-90	+70/-75.1	+70/-90	+70/-90	+70/-90	+/-67.5	+70/-86.6	+70/-90	+70/-90	+/-64.3	+70/-82.5	+70/-90	+70/-90	
	63"	+70/-90	+70/-90	+70/-90	+70/-90	+70/-90	+70/-90	+70/-90	+70/-90	+70/-90	+70/-90	+70/-90	+/-68	+70/-79.2	+70/-83	+70/-89.1	+/-61.2	+70/-71.3	+70/-74.7	+70/-86.1	+/-53	+/-59.4	+70/-71.1	+70/-83.1	
	67-1/2"	+70/-90	+70/-90	+70/-90	+70/-90	+70/-90	+70/-90	+70/-90	+70/-90	+70/-85.6	+70/-90	+70/-90	+70/-90	+/-63.4	+70/-73.9	+70/-77.4	+70/-84.8	+/-57.1	+/-66.5	+/-69.7	+70/-80.5	+/-54.4	+/-63.4	+/-66.4	+70/-78.3
	72"	+70/-90	+70/-90	+70/-90	+70/-90	+70/-90	+70/-90	+70/-90	+70/-90	+70/-87.6	+70/-90	+70/-90	+70/-90	+/-64.9	+/-69.3	+70/-72.6	+70/-81.3	+/-58.4	+/-62.4	+/-65.3	+70/-76.1	+/-51	+/-59.4	+/-62.2	+70/-73.8
	76"	+70/-90	+70/-90	+70/-90	+70/-90	+70/-90	+70/-90	+70/-90	+70/-90	+70/-83	+70/-90	+70/-90	+70/-90	+/-61.5	+70/-73.9	+70/-78	+70/-78	+/-55.3	+/-59.1	+/-61.9	+70/-72.5				
	84"	+70/-90	+70/-90	+70/-90	+70/-90	+70/-90	+70/-90	+70/-90	+70/-90	+70/-81.3	+70/-89.9	+70/-89.9	+70/-89.9	+/-60.3	+/-66.9	+70/-70.7	+70/-70.7								
	114"	+70/-90	+70/-90	+70/-90	+70/-90	+70/-90	+70/-90	+70/-90	+70/-90	+70/-73	+70/-73	+70/-73	+70/-73												
	134"	+70/-90	+70/-90	+70/-90	+70/-90	+70/-90	+70/-90	+70/-90	+70/-90																
145"	+70/-90	+70/-90	+70/-90	+70/-90																					

FIGURE FOR VERTICAL FRAME ASSEMBLY TUBE



SEE SHEETS 1, 4 & 5 FOR WINDOW ANCHOR LOCATIONS AND QUANTITIES. SEE SHEET 3 FOR ANY ADDITIONAL ANCHORS REQUIRED FOR THE FRAME ASSEMBLY TUBE.

FIGURE FOR HORIZONTAL FRAME ASSEMBLY TUBE



SEE SHEETS 1, 4 & 5 FOR WINDOW ANCHOR LOCATIONS AND QUANTITIES. SEE SHEET 3 FOR ANY ADDITIONAL ANCHORS REQUIRED FOR THE FRAME ASSEMBLY TUBE.

Revised By: J ROSOWSKI
Date: 03/13/20

Drawn By: J ROSOWSKI
Date: 08/08/12

Description: DESIGN PRESSURES PER GLAZING TYPE

Title: FIXED CASEMENT WINDOW DETAILS - LM

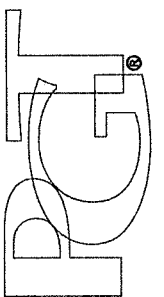
Series/Model: CA-740

Scale: NTS

Sheet: 8 OF 11

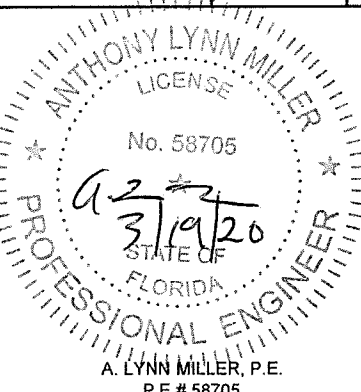
Drawing No. MD-CA740F-LM

Rev: D



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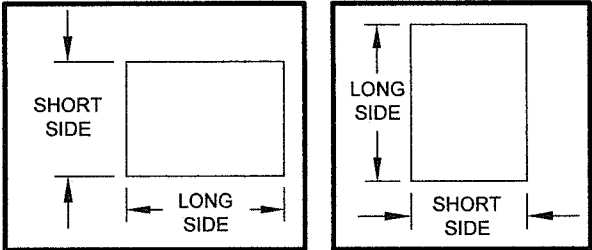


ANTHONY LYNN MILLER
LICENSE
No. 58705
3/19/20
STATE OF FLORIDA
PROFESSIONAL ENGINEER
A. LYNN MILLER, P.E.
P.E.# 58705

FOR GLASS TYPES:

- 3) 7/16" LAMI (3/16 HS - .090" SG - 3/16 HS)
- 7) 7/8" LAMI IG: 3/16" AN - 1/4" AIR - 3/16" HS - .090" SG - 3/16" HS)
- 9) 7/8" LAMI IG: (3/16" T - 1/4" AIR - 3/16" HS - .090" SG - 3/16" HS)

"SG"= SENTRYGLAS® INTERLAYER BY KURARAY AMERICA, INC.



- 1) SEE SHEETS 1, 4 & 5 FOR WINDOW ANCHOR LOCATIONS AND QUANTITIES.
- 2) TABLE DIMENSIONS MAY BE ORIENTED VERTICALLY OR HORIZONTALLY AS SHOWN.

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NOA-No. **20-0401.14**
Expiration Date **04/11/2023**
By
Miami-Dade Product Control

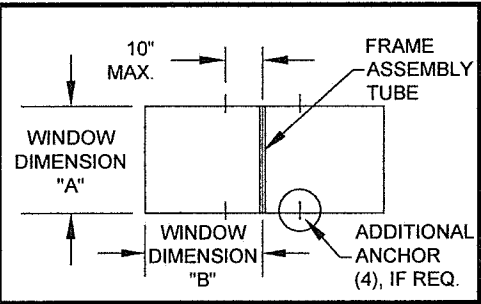
TABLE 10:

Design Pressure (psf) for Single Windows, All Anchor Groups										
Long Side	Short Side									
	under 23"	25-15/16"	29"	31-1/2"	34"	40"	54"	60"	63"	67-1/2"
	under 23"	+90/-130								
	25-15/16"	+90/-130	+90/-130							
	63"	+90/-130	+90/-130	+90/-130	+90/-130	+90/-130	+90/-130	+90/-130	+90/-130	
	67-1/2"	+90/-130	+90/-130	+90/-130	+90/-130	+90/-130	+90/-130	+90/-130	+90/-130	+90/-130
	72"	+90/-130	+90/-130	+90/-130	+90/-130	+90/-130	+90/-130	+90/-130	+90/-130	
	76"	+90/-130	+90/-130	+90/-130	+90/-130	+90/-130	+90/-130	+90/-130		
	84"	+90/-130	+90/-130	+90/-130	+90/-130	+90/-130	+90/-130			
	114"	+90/-130	+90/-130	+90/-130	+90/-130	+90/-130				
	134"	+90/-130	+90/-130	+90/-130	+90/-130					
	145"	+90/-130	+90/-130	+90/-130						

TABLE 11:

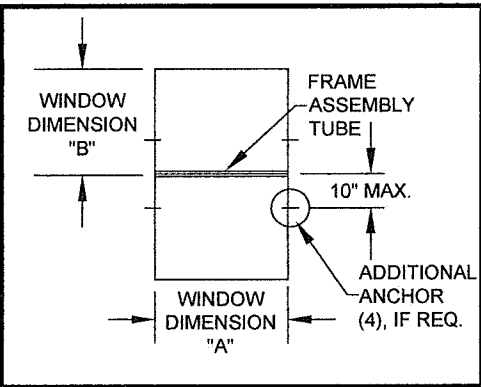
<div><div></div><div></div><div></div></div>		Design Pressure (psf) for Windows Attached to a Frame Assembly Tube																						
		Window Dimension "A"																						
		under 23"	25-15/16"	29"	31-1/2"	34"			40"				54"				60"				63"			
		Anchor Group	Anchor Group	Anchor Group	Anchor Group	Anchor Group			Anchor Group				Anchor Group				Anchor Group				Anchor Group			
		All	All	All	All	A	B	C & D	A	B	C	D	A	B	C	D	A	B	C	D	A	B	C	D
Window Dimension "B"	under 23"	+70/-90	+70/-90	+70/-90	+70/-90	+70/-90	+70/-86.2	+70/-90	+70/-90	+70/-73.3	+70/-87.7	+70/-90	+/-67.7	+/-54.3	+/-65	+70/-90	+/-61	+/-48.9	+/-58.5	+70/-90	+/-58.1	+/-46.5	+/-55.7	+70/-88.7
	25-15/16"	+70/-90	+70/-90	+70/-90	+70/-90	+70/-90	+70/-90	+70/-90	+70/-90	+70/-90	+70/-90	+70/-90	+70/-75.1	+70/-90	+70/-90	+70/-90	+/-67.5	+70/-86.6	+70/-90	+70/-90	+/-64.3	+70/-82.5	+70/-90	+70/-90
	63"	+70/-90	+70/-90	+70/-90	+70/-90	+70/-90	+70/-90	+70/-90	+70/-90	+70/-90	+70/-90	+70/-90	+70/-90	+70/-90	+70/-90	+70/-90	+70/-83.4	+70/-89.1	+70/-90	+70/-90	+70/-79.5	+70/-84.9	+70/-90	+70/-90
	67-1/2"	+70/-90	+70/-90	+70/-90	+70/-90	+70/-90	+70/-90	+70/-90	+70/-90	+70/-90	+70/-90	+70/-90	+70/-90	+70/-90	+70/-90	+70/-90	+70/-83	+70/-90	+70/-90	+70/-90	+70/-84	+70/-87.1	+70/-90	+70/-90
	72"	+70/-90	+70/-90	+70/-90	+70/-90	+70/-90	+70/-90	+70/-90	+70/-90	+70/-90	+70/-90	+70/-90	+70/-90	+70/-90	+70/-90	+70/-90	+70/-87.6	+70/-90	+70/-90	+70/-90	+70/-83.4	+70/-89.1	+70/-90	+70/-90
	76"	+70/-90	+70/-90	+70/-90	+70/-90	+70/-90	+70/-90	+70/-90	+70/-90	+70/-90	+70/-90	+70/-90	+70/-90	+70/-90	+70/-90	+70/-90	+70/-90	+70/-90	+70/-90	+70/-90				
	84"	+70/-90	+70/-90	+70/-90	+70/-90	+70/-90	+70/-90	+70/-90	+70/-90	+70/-90	+70/-90	+70/-90	+70/-90	+70/-90	+70/-90	+70/-90	+70/-90	+70/-90	+70/-90	+70/-90				
	114"	+70/-90	+70/-90	+70/-90	+70/-90	+70/-90	+70/-90	+70/-90	+70/-90	+70/-90	+70/-90	+70/-90	+70/-90											
	134"	+70/-90	+70/-90	+70/-90	+70/-90	+70/-90	+70/-90	+70/-90																
	145"	+70/-90	+70/-90	+70/-90	+70/-90																			

FIGURE FOR VERTICAL FRAME ASSEMBLY TUBE



SEE SHEETS 1, 4 & 5 FOR WINDOW ANCHOR LOCATIONS AND QUANTITIES. SEE SHEET 3 FOR ANY ADDITIONAL ANCHORS REQUIRED FOR THE FRAME ASSEMBLY TUBE.

FIGURE FOR HORIZONTAL FRAME ASSEMBLY TUBE



SEE SHEETS 1, 4 & 5 FOR WINDOW ANCHOR LOCATIONS AND QUANTITIES. SEE SHEET 3 FOR ANY ADDITIONAL ANCHORS REQUIRED FOR THE FRAME ASSEMBLY TUBE.

1070 TECHNOLOGY DRIVE
N. VENICE, FL 34275
(941) 480-1600

REGISTRATION #29296

Revised By: **J ROSOWSKI**
Date: **03/13/20**
Revision D: **NO CHANGES.**

Drawn By: **J ROSOWSKI**
Date: **08/08/12**

Description: **DESIGN PRESSURES PER GLAZING TYPE**

Title: **FIXED CASEMENT WINDOW DETAILS - LM**

Series/Model: **CA-740**

Scale: **NTS**

Sheet: **9 OF 11**

Drawing No. **MD-CA740F-LM**

Rev: **D**

FOR GLASS TYPES:

4) 7/8" LAMI. IG:(1/8" AN - 7/16" AIR - 1/8" AN - .090" PVB - 1/8" AN)

"PVB"= TROSIFOL®PVB INTERLAYER BY KURARAY AMERICA, INC.

PRODUCT REVISED
as complying with the Florida
Building Code

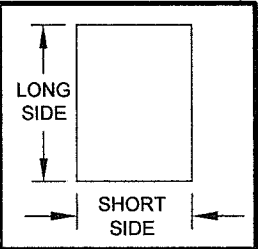
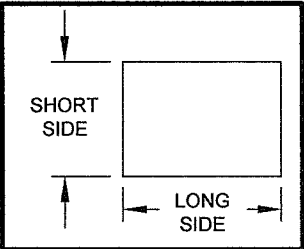
NOA-No. 20-0401.14

Expiration Date 04/11/2023

By 
Miami-Dade Product Control

TABLE 12:

Design Pressure (psf) for Single Windows, All Anchor Groups								
Long Side	Short Side							
	under 23"	25-15/16"	27-3/4"	33-1/2"	37"	44"	48-1/4"	53-1/8"
	under 23"	+60/-70						
	25-15/16"	+60/-70	+60/-70					
	37"	+60/-70	+60/-70	+60/-70	+60/-70			
	44"	+60/-70	+60/-70	+60/-70	+60/-70	+60/-70		
	48-1/4"	+60/-70	+60/-70	+60/-70	+60/-70	+60/-70	+60/-70	
	53-1/8"	+60/-70	+60/-70	+60/-70	+60/-70	+60/-70	+60/-70	+60/-69.3
	58"	+60/-70	+60/-70	+60/-70	+60/-70	+60/-69.6	+60/-64.9	
	63"	+60/-70	+60/-70	+60/-70	+60/-70	+60/-62.9		
	76"	+60/-70	+60/-70	+60/-70	+60/-60.5	+/- 57		
	84"	+60/-70	+60/-70	+60/-70	+/- 55.6			

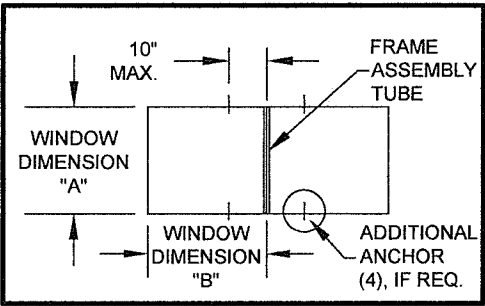


- 1) SEE SHEETS 1, 4 & 5 FOR WINDOW ANCHOR LOCATIONS AND QUANTITIES.
2) TABLE DIMENSIONS MAY BE ORIENTED VERTICALLY OR HORIZONTALLY AS SHOWN.

TABLE 13:

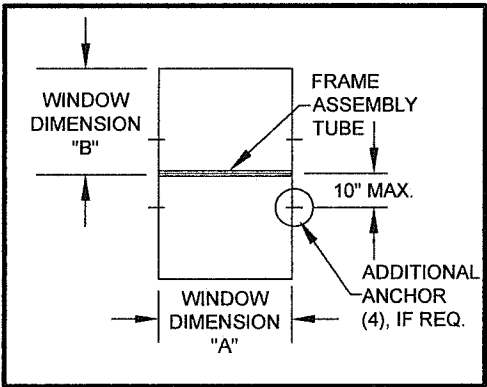
<div><div></div><div></div></div>		Design Pressure (psf) for Windows Attached to a Frame Assembly Tube																								
		Window Dimension "A"																								
		under 23"	25-15/16"	27-3/4"	34-1/2"	37"	44"			48-1/4"			53-1/8"				58"				63"					
		Anchor Group	Anchor Group	Anchor Group	Anchor Group	Anchor Group	Anchor Group			Anchor Group			Anchor Group				Anchor Group				Anchor Group					
		All	All	All	All	All	A	B	C & D	A	B	C & D	A	B	C	D	A	B	C	D	A	B	C	D		
Window Dimension "B"	under 23"	+60/-70	+60/-70	+60/-70	+60/-70	+60/-70	+60/-70	+60/-66.6	+60/-70	+60/-70	+60/-60.7	+60/-70	+60/-69	+/-55.3	+60/-66.1	+60/-70	+60/-63.1	+/-50.5	+60/-60.5	+60/-70	+/-58.1	+/-46.5	+/-55.7	+60/-70		
	25-15/16"	+60/-70	+60/-70	+60/-70	+60/-70	+60/-70	+60/-70	+60/-70	+60/-70	+60/-67.1	+60/-70	+60/-70	+60/-61.1	+60/-70	+60/-70	+60/-70	+/-55.9	+60/-70	+60/-70	+60/-70	+/-51.5	+60/-70	+60/-70	+60/-70		
	37"	+60/-70	+60/-70	+60/-70	+60/-70	+60/-70	+60/-64.6	+60/-70	+60/-70	+60/-70	+/-58.8	+60/-70	+60/-70	+/-53.6	+60/-70	+60/-70	+60/-70	+/-49	+60/-70	+60/-70	+60/-70	+/-45.1	+60/-70	+60/-70	+60/-70	
	44"	+60/-70	+60/-70	+60/-70	+60/-70	+60/-70	+60/-65.2	+60/-70	+60/-70	+60/-70	+/-59.4	+60/-70	+60/-70	+/-54.1	+60/-70	+60/-70	+60/-70	+/-49.4	+60/-66	+60/-69.6	+60/-69.6	+/-37.9	+60/-60.8	+60/-62.9	+60/-62.9	
	48-1/4"	+60/-70	+60/-70	+60/-70	+60/-70	+60/-70	+/-59.4	+60/-70	+60/-70	+60/-70	+/-54.1	+60/-70	+60/-70	+/-49.3	+60/-65.8	+60/-70	+60/-70	+/-45	+60/-60.2	+60/-64.9	+60/-64.9					
	53-1/8"	+60/-70	+60/-70	+60/-70	+60/-70	+60/-70	+60/-63.1	+60/-70	+60/-70	+60/-70	+/-57.5	+60/-65.8	+60/-70	+/-52.3	+/-59.9	+60/-69.3	+60/-69.3									
	58"	+60/-70	+60/-70	+60/-70	+60/-70	+60/-68.6	+60/-65.9	+60/-69.6	+60/-69.6	+60/-60.1	+60/-64.9	+60/-64.9														
	63"	+60/-70	+60/-70	+60/-70	+60/-70	+60/-70	+60/-60.7	+60/-62.9	+60/-62.9																	
	76"	+60/-70	+60/-70	+60/-70	+60/-70	+60/-60.5	+/-57																			
84"	+60/-70	+60/-70	+60/-70	+/-55.6																						

FIGURE FOR VERTICAL FRAME ASSEMBLY TUBE



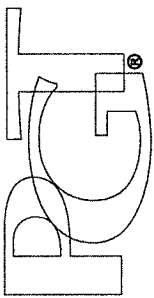
SEE SHEETS 1, 4 & 5 FOR WINDOW ANCHOR LOCATIONS AND QUANTITIES. SEE SHEET 3 FOR ANY ADDITIONAL ANCHORS REQUIRED FOR THE FRAME ASSEMBLY TUBE.

FIGURE FOR HORIZONTAL FRAME ASSEMBLY TUBE



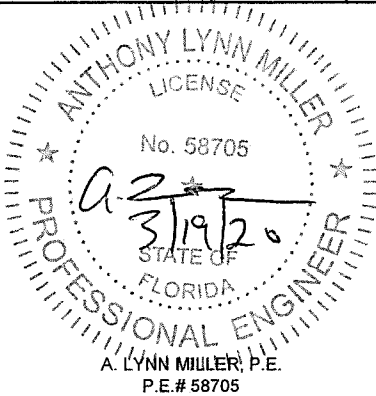
SEE SHEETS 1, 4 & 5 FOR WINDOW ANCHOR LOCATIONS AND QUANTITIES. SEE SHEET 3 FOR ANY ADDITIONAL ANCHORS REQUIRED FOR THE FRAME ASSEMBLY TUBE.

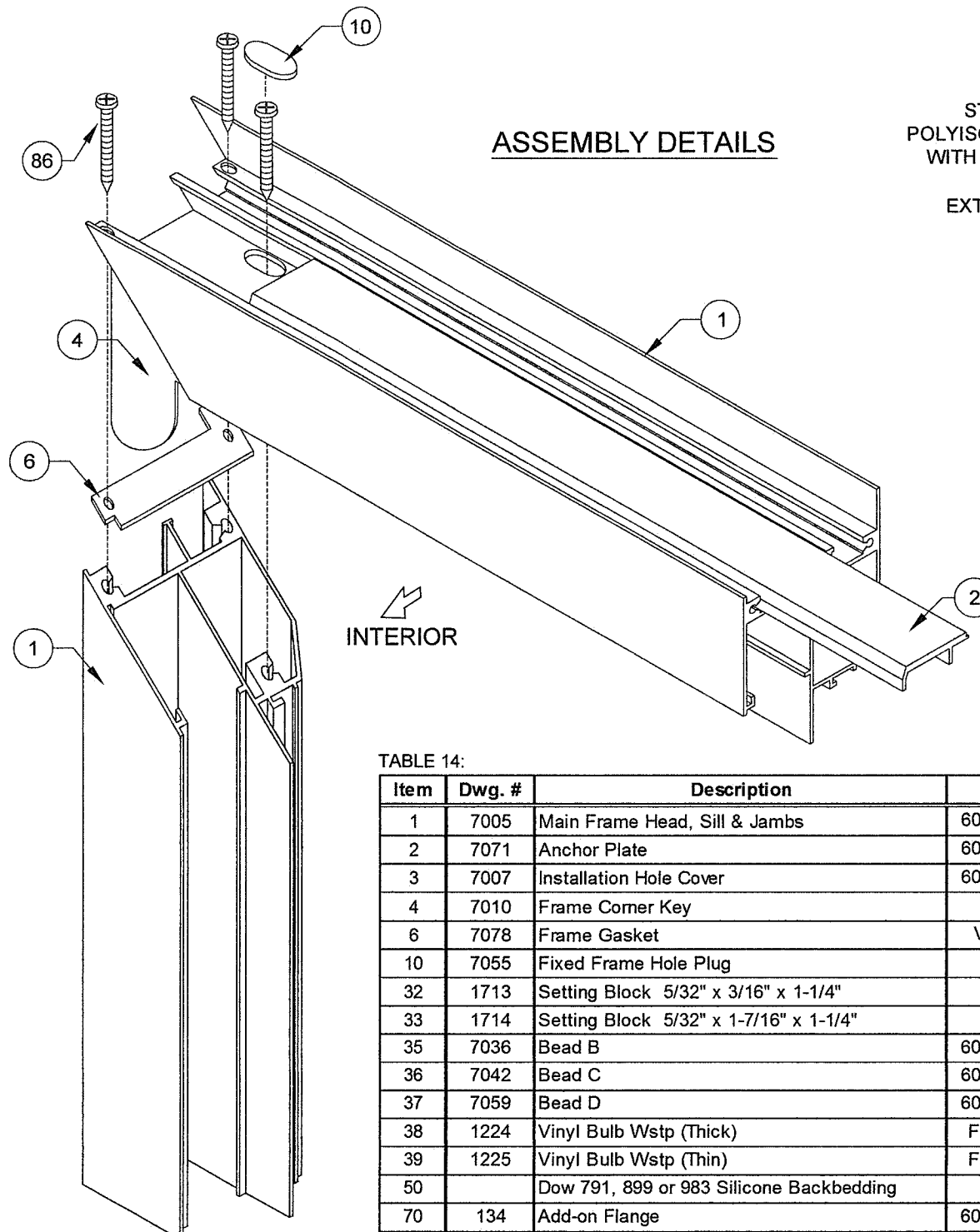
Revised By: J ROSOWSKI	Date: 03/13/20	Revision D: NO CHANGES.
Drawn By: J ROSOWSKI	Date: 08/08/12	
Description: DESIGN PRESSURES PER GLAZING TYPE		
Title: FIXED CASEMENT WINDOW DETAILS - LM		
Series/Model: CA-740	Scale: NTS	Sheet: 10 OF 11
		Drawing No. MD-CA740F-LM
		Rev: D



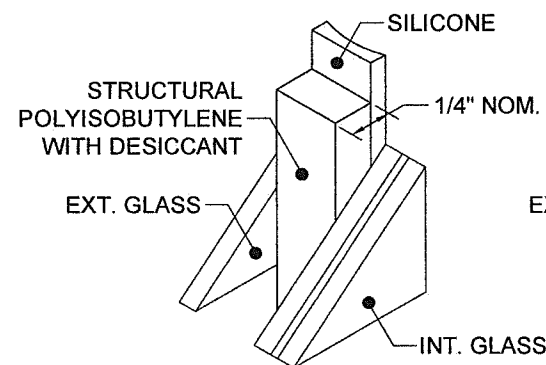
1070 TECHNOLOGY DRIVE
N. VENICE, FL 34275
(941) 480-1600

REGISTRATION #29296

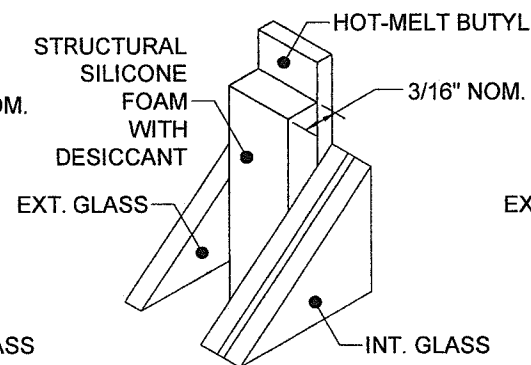




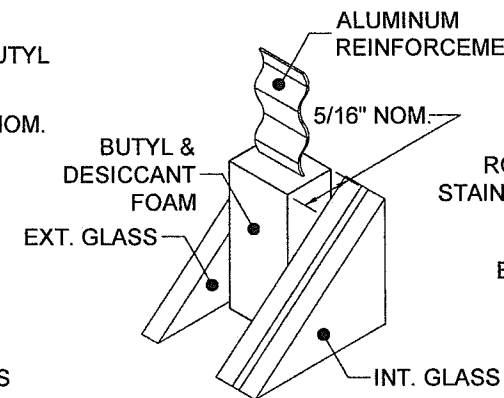
ASSEMBLY DETAILS



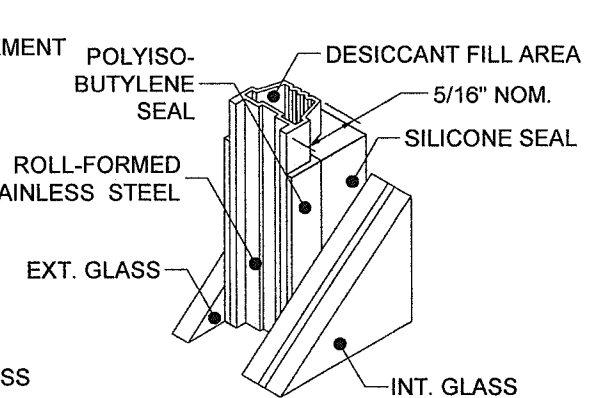
75 KODISPACE
4SG TPS



76 SUPER
SPACER[®] NXT[™]



77 DURASEAL[®]
SPACER



78 XL EDGE[™]
SPACER

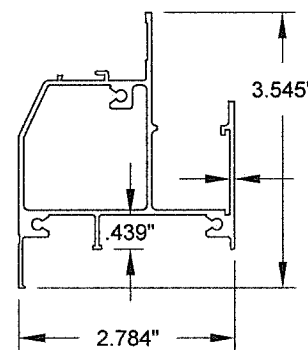
2 AS REQUIRED
PER TABLE 3,
SHEET 4

TABLE 14:

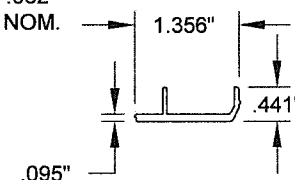
Item	Dwg. #	Description	Mat.
1	7005	Main Frame Head, Sill & Jambs	6063-T6 Alum.
2	7071	Anchor Plate	6063-T6 Alum.
3	7007	Installation Hole Cover	6063-T6 Alum.
4	7010	Frame Corner Key	Steel
6	7078	Frame Gasket	Vinyl Foam
10	7055	Fixed Frame Hole Plug	PVC
32	1713	Setting Block 5/32" x 3/16" x 1-1/4"	EPDM
33	1714	Setting Block 5/32" x 1-7/16" x 1-1/4"	EPDM
35	7036	Bead B	6063-T6 Alum.
36	7042	Bead C	6063-T6 Alum.
37	7059	Bead D	6063-T6 Alum.
38	1224	Vinyl Bulb Wstp (Thick)	Flex PVC 70
39	1225	Vinyl Bulb Wstp (Thin)	Flex PVC 70
50		Dow 791, 899 or 983 Silicone Backbedding	
70	134	Add-on Flange	6063-T6 Alum.
71	7004	Casement Frame Assy Tube	6063-T6 Alum.
86		#8 X 1-1/2" Quad Pn SMS Stainless Steel	Stainless Steel
90		#12 x 1" Ph. Pn. TEK	Stainless Steel

Part #	Description	Material
75	Kommerling 4SG TPS Spacer System	See this Sheet for Materials
76	Quanex Super Spacer NXT with Hot Melt Butyl	
77	Quanex Duraseal Spacer	
78	Cardinal XL Edge Spacer	

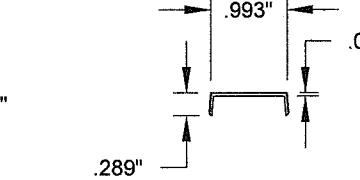
REFERENCE TEST REPORTS: FTL-8717, 8968 & 8970



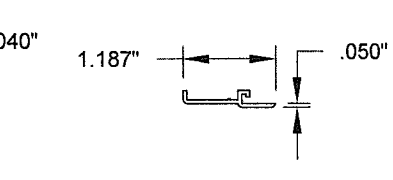
1 FRAME HEAD,
SILL & JAMB
#7005, 6063-T6



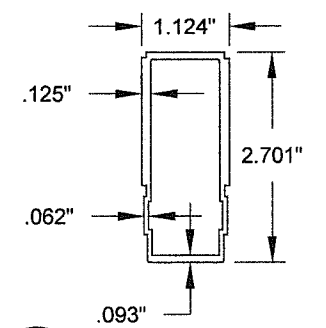
2 ANCHOR PLATE
#7071, 6063-T6



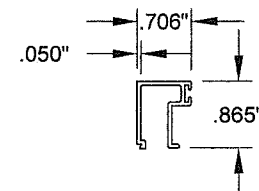
3 INST. HOLE COVER
#7007, 6063-T6



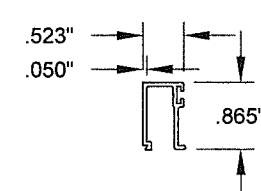
70 ADDON FLANGE
#134, 6063-T6



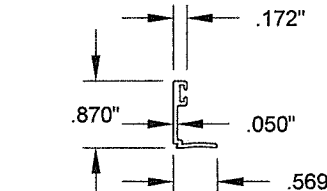
71 FRAME
ASSEMBLY TUBE
#7004, 6063-T6



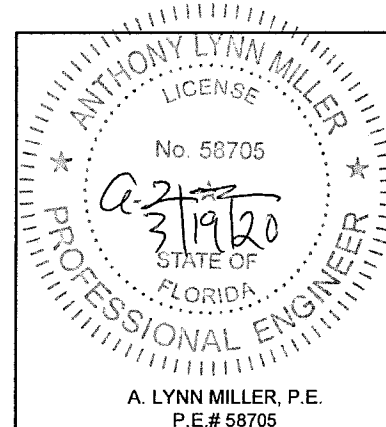
35 BEAD B
#7036, 6063-T6



36 BEAD C
#7042, 6063-T6



37 BEAD D
#7059, 6063-T6



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N. VENICE, FL 34275
(941) 480-1600

REGISTRATION #29296

Revised By:	Date:	Revision D:
JR	03/13/20	ADDED BACKBEDDING.
Revised By:	Date:	Revision:

Description:
BOM AND EXTRUSIONS

Title:
FIXED CASEMENT WINDOW DETAILS - LM

Series/Model:	Scale:	Sheet:	Drawing No.	Rev:
CA-740	NTS	11 OF 11	MD-CA740F-LM	D

PRODUCT REVISED
as complying with the Florida
Building Code
NOA-No. **20-0401.14**
Expiration Date **04/11/2023**
By *[Signature]*
Miami-Dade Product Control

Drawn By:
J ROSOWSKI

Date:
08/08/12