MIAMI-DADE COUNTY, FLORIDA
PRODUCT CONTROL SECTION
11805 SW 26 Street, Room 208
Miami, Florida 33175-2474
T (786) 315-2590 F (786) 315-2599
www.miamidade.gov/building

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

NOTICE OF ACCEPTANCE (NOA)

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 "PW-740 Casement Picture" Aluminum Fixed Window – L.M.I.

APPROVAL DOCUMENT: Drawing No. **MD-PW740-LM**, titled "Casement Picture Window Details - LM", sheets 1 through 11 of 11, dated 08/08/12, with revision **F** dated 07/31/23, 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 No. 23-0303.02** and consists of this page 1 and evidence pages E-1, E-2, E-3 and E-4, as well as approval document mentioned above.

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

MIAMI-DADE COUNTY
APPROVED

9/8/23

NOA No. 23-0816.08
Expiration Date: April 11, 2028
Approval Date: September 14, 2023

NOTICE OF ACCEPTANCE; EVIDENCE SUBMITTED

I. 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-PW740-LM**, titled "Casement Picture Window Details - LM", sheets 1 through 11 of 11, dated 08/08/12, with revision **E** dated 12/17/20, prepared by manufacturer, signed and sealed by Anthony Lynn Miller, P.E.
   (Submitted under NOA No. 20-1223.06)

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.
   (Submitted under NOA No. 20-0401.14)
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 PVC sliding glass door, a PVC fixed window and an aluminum sliding glass door, using: Kedispace 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 NOA No. 16-0629.22)

Manuel Perez

Manuel Perez, P.E.
Product Control Examiner
NOA No. 23-0816.08
Expiration Date: April 11, 2028
Approval Date: September 14, 2023

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

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

B. TESTS (CONTINUED)

3. Test reports on: 1) Air Infiltration Test, per FBC, TAS 202-94
   2) Uniform Static Air Pressure Test, Loading per FBC, TAS 202-94
   3) Water Resistance Test, per FBC, TAS 202-94
   4) 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 CA-740F 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 6th Edition (2017)** and **FBC 7th Edition (2020)** dated 03/19/20, prepared by manufacturer, signed and sealed by Anthony Lynn Miller, P.E.
   (Submitted under NOA No. 20-0401.14)

D. QUALITY ASSURANCE

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

E. MATERIAL CERTIFICATIONS

1. Notice of Acceptance No. **20-0915.22** issued to **Kuraray America, Inc.** for their "**Trosifol® Ultraclear, Clear and Color PVB Glass Interlayers**" dated 11/19/20, expiring on 07/08/24.
2. Notice of Acceptance No. **22-1116.01** issued to **Kuraray America, Inc.** for their "**SentryGlas® (Clear and White) Glass Interlayers**" dated 12/15/22, expiring on 07/04/28.

Manuel Perez

Manuel Perez, P.E.
Product Control Examiner
NOA No. 23-0816.08
Expiration Date: April 11, 2028
Approval Date: September 14, 2023

NOTICE OF ACCEPTANCE; EVIDENCE SUBMITTED

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

E. STATEMENTS

1. Statement letter of conformance, complying with **FBC 7th Edition (2020)**, dated March 1, 2023, issued by manufacturer, signed and sealed by Anthony Lynn Miller, P.E.
   (Submitted under NOA No. 23-0303.02)
2. Statement letter of no financial interest, dated March 1, 2023, issued by manufacturer, signed and sealed by Anthony Lynn Miller, P.E.
   (Submitted under NOA No. 23-0303.02)
3. Proposal No. **19-1155 TP** issued by the Product Control Section, dated January 10, 2020, signed by Ishaq Chanda, P.E.
   (Submitted under NOA No. 20-0401.14)

G. OTHERS

1. Notice of Acceptance No. **20-1223.06**, issued to PGT Industries, Inc. for their Series "PW740 Casement Picture" Aluminum Fixed Window – L.M.I." approved on 03/04/21 and expiring on 04/11/23.

2. NEW EVIDENCE SUBMITTED

A. DRAWINGS

1. Drawing No. **MD-PW740-LM**, titled "Casement Picture Window Details - LM", sheets 1 through 11 of 11, dated 08/08/12, with revision **F** dated 07/31/23, prepared by manufacturer, signed and sealed by Anthony Lynn Miller, P.E.

B. TESTS

1. Test reports on: 1) 400 ft-lb Drop Test, per ANSI Z97.1-15 Class A and FBC Sections 2406.2 and 2406.4.3, along with marked-up drawings and installation diagram of CGI Windows & Doors, Inc. and PGT Industries, Inc. representative units listed below and tested to qualify ANSI Z97.1 Safety Glazing on corresponding lites of CGI and PGT lines of fixed window products, prepared by QAI Laboratories, Test Reports No.:
   NOK-0049, test specimen: CGI Windows & Doors, Inc. Series "PW238" Aluminum Fixed Window – L.M.I. (unit 1 in proposal No. **23-0441R** dated 06/12/23)
   NOK-0050, test specimen: PGT Industries, Inc. Series "PW5520 Vinyl Fixed Window – L.M.I. (unit 2 in proposal No. **23-0441R** dated 07/13/20),
   each dated 08/02/23, and signed and sealed by Idalmis Ortega, P.E.

Manuel Perez

Manuel Perez, P.E.
Product Control Examiner
NOA No. 23-0816.08
Expiration Date: April 11, 2028
Approval Date: September 14, 2023

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

2. NEW EVIDENCE SUBMITTED (CONTINUED)

C. CALCULATIONS

1. None.

D. QUALITY ASSURANCE

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

E. MATERIAL CERTIFICATIONS

1. Notice of Acceptance No. **20-0915.22** issued to **Kuraray America, Inc.** for their "**Trosifol® Ultraclear, Clear and Color PVB Glass Interlayers**" dated 11/19/20, expiring on 07/08/24.
2. Notice of Acceptance No. **22-1116.01** issued to **Kuraray America, Inc.** for their **"SentryGlas® (Clear and White) Glass Interlayers"** dated 12/15/22, expiring on 07/04/28.

F. STATEMENTS

1. Statement letter of conformance, complying with **FBC 7th Edition (2020)** and the **FBC 8th Edition (2023)**, dated July 31, 2023, issued by manufacturer, signed and sealed by Anthony Lynn Miller, P.E.
2. Statement letter of no financial interest, dated July 31, 2023, issued by manufacturer, signed and sealed by Anthony Lynn Miller, P.E.
3. Proposal No. **23-0441R** issued by the Product Control Section, dated 06/06/23 and revised on 06/12/23, signed by Manuel Perez, P.E.

G. OTHERS

1. Notice of Acceptance No. **23-0303.02**, issued to PGT Industries, Inc. for their Series "PW740 Casement Picture" Aluminum Fixed Window – L.M.I." approved on 03/30/23 and expiring on 04/11/28.

Manuel Perez

Manuel Perez, P.E.
Product Control Examiner
NOA No. 23-0816.08
Expiration Date: April 11, 2028
Approval Date: September 14, 2023

GENERAL NOTES: SERIES PW740
IMPACT RESISTANT CASEMENT PICTURE WINDOW

1) THIS PRODUCT HAS BEEN DESIGNED & TESTED TO COMPLY WITH THE REQUIREMENTS OF THE FLORIDA BUILDING CODE, INCLUDING THE ULTIMATE VELOCITY HURRICANE ZONE (HVHZ).

2) SHUTTERS ARE NOT REQUIRED WHEN USED IN WIND BORNE DEBRIS REGIONS, FOR INSULATED GLASS INSTALLATIONS WHERE 30' IN THE WIND, THE OUTBOARD LITE (O.A.) MUST TEMPERED.

3) FOR MASONRY APPLICATIONS IN MIAMI-DADE COUNTY, USE ONLY MIAMI-DADE COUNTY APPROVED MASONRY ANCHORING MATERIALS LISTED FOR ANCHOR EVALUATIONS WHERE SOUTHERN PINE, ASTM CONCRETE MASONRY UNITS AND CONCRETE WITH MIN. 4000 PSI ANCHOR TYPE, SEE TABLE 3, SHEET 4.

4) ALL WOOD BUCKS LESS THAN 1 1/2" THICK ARE TO BE CONSIDERED IN INSTALLATIONS. IN WOOD BUCKS ARE OPTIONAL IF UNIT IS INSTALLED DIRECTLY TO SUBSTRATE. WOOD BUCKS SHOULD BE 2X4 OR 1 1/2" THICK OR GREATER. 1X AND 2X NOMINAL LUMBER SHALL BE CONSIDERED TO HAVE ACTUAL THICKNESS LESS THAN THE STRUCTURE. WOOD BUCK DESIGN AND INSTALLATION IS THE RESPONSIBILITY OF THE ENGINEER OF ARCHITECT OF RECORD.

5) ANY FOAM EMPLOYMENT TO BASE MATERIAL SHALL BE METERED MIX, DISPENSED OR APPLIED USE ENDORSED OR SUPPLEMENT SUBSTRATE AS SPECIFIED ON TABLE 3, SHEET 4. MARRON JOINT SEALANT IS USED ON ALL FOUR CORNERS OF THE FRAME. OVERALL SEALING/FLASHING STRATEGY FOR WATER RESISTANCE OF INSTALLATION SHALL BE DONE BY OTHERS AND IS BEYOND THE SCOPE OF THESE INSTRUCTIONS.

6) SHIMS ARE REQUIRED AT EACH ANCHOR LOCATION WHERE THE PRODUCT IS NOT FLUSH TO THE SUBSTRATE. USE SHIMS OF IMAGE OR TRANSFERRING APPLIED LOADS. WOOD SHIMS, BY OTHERS, MUST BE SUFFICIENTLY ANCHORED TO RESIST LOADS IMPOSED ON THEM BY THE WINDOW.

7) SEE SEAL PROCEDURES.

8. NEGATIVE DESIGN LOADS BASED ON STRUCTURAL TEST PRESSURE PRINT, MAY USE AS USED PER ASTM E1300.

9. POSITIVE DESIGN LOADS BASED OF WATER TEST PRESSURE, STRUCTURAL TEST PRESSURE (THESE WERE TESTED AND GLASS PER ASTM E1300).

C. DESIGN LOADS ARE BASED ON ALLOWABLE STRESS DESIGN, ASD.

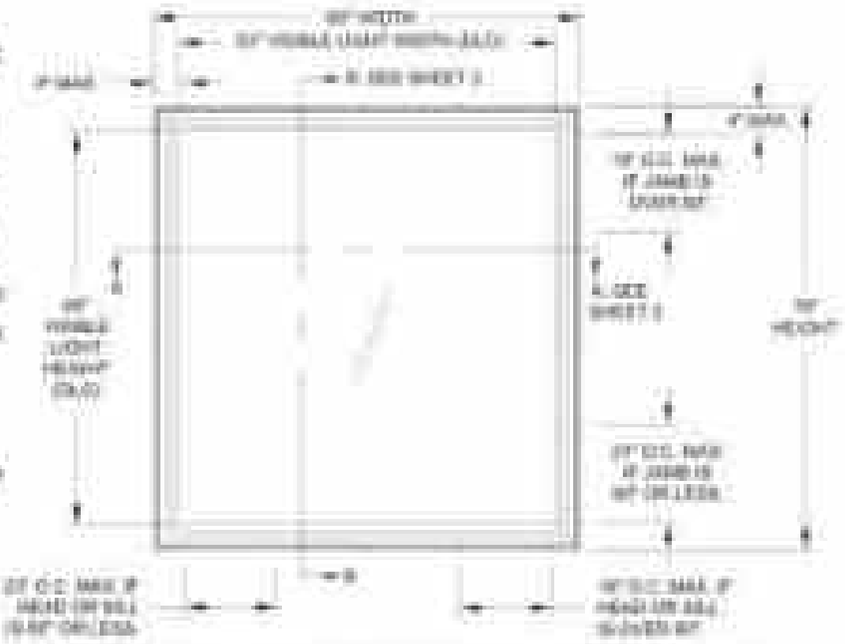
8) THE ANCHORAGE METHODS SHOWN HAVE BEEN DESIGNED TO RESIST THE WIND LOADS CORRESPONDING TO THE REQUIRED DESIGN PRESSURE FOR THE ELEVATION SHOWN AND NOT BEEN USED IN THE DESIGN OF THIS PRODUCT. THE 1.6 WIND DURATION FACTOR WAS USED FOR THE EVALUATION OF ANCHORS INTO WOOD. ANCHORS THAT COME INTO CONTACT WITH OTHER DISSIMILAR MATERIALS SHALL MEET THE REQUIREMENTS OF THE FLORIDA BUILDING CODE FOR CORROSION RESISTANCE.

9) REFERENCES THAT REFER TO FLT, DSO, SSS, SSA, DSHA, FLT ULTIMATE, RSA, SUTS ULTIMATE RSA, DSHA, FLT/LCC CATEGORY, NON-MISSILE RATED FOR WIND CONSTRUCTION AND HOA IS USED IN DESIGN MANUAL.

10) THE PW740 CASEMENT PICTURE WINDOW HAS FORMERLY KNOWN AS THE OUTSWING CASEMENT WINDOW.

11) FRAME FLANGES OR INTERNAL PINS MAY BE TRIMMED AS NEEDED TO CREATE AN EQUAL LEG FRAME.

DESIGN PRESSURE RATING	IMPACT RATING
SHAPE SEE SHEETS 4 - 11	ASTM E1886 & E1996 MISSILE IMPACT RESISTANCE

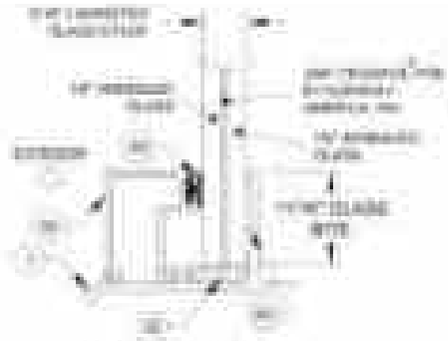


TYP. ELEVATION OF CASEMENT PICTURE WINDOW

Type A

	Glass Types	Sheet #
1	5/16" Laminated (3/16 Annealed + .090" PVB + 3/16 Annealed)	6
2	7/16" Laminated (3/16 Annealed + .090" PVB + 3/16 Annealed)	6
3	9/16" Laminated (3/16 Annealed + .090" PVB + 3/16 Heat Strengthened)	6
4	7/8" Laminated (3/16 Heat Strengthened + .090" PVB + 3/16 Annealed + 1/2" Air + 3/16 Annealed + .090" PVB + 3/16 Annealed)	10
5	7/8" Laminated (3/16 Heat Strengthened + .090" PVB + 3/16 Annealed + 1/2" Air + 3/16 Annealed + .090" PVB + 3/16 Annealed)	7
6	7/8" Laminated (3/16 Annealed + 1/2" Air + 3/16 Annealed + .090" PVB + 3/16 Annealed + 1/2" Air + 3/16 Annealed)	8
7	7/8" Laminated (3/16 Annealed + 1/2" Air + 3/16 Annealed + .090" PVB + 3/16 Annealed + 1/2" Air + 3/16 Annealed)	9
8	7/8" Laminated (3/16 Heat Strengthened + 1/2" Air + 3/16 Annealed + .090" PVB + 3/16 Annealed + 1/2" Air + 3/16 Annealed)	8
9	7/8" Laminated (3/16 Heat Strengthened + 1/2" Air + 3/16 Annealed + .090" PVB + 3/16 Annealed + 1/2" Air + 3/16 Annealed)	9

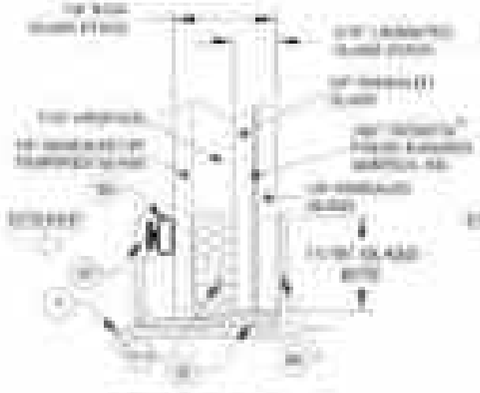
"PVB" = "SENTRY GLAS" PVB INTERLAYER BY KURARAY AMERICA, INC.
"SGI" = "SENTRYGLAS" INTERLAYER BY KURARAY AMERICA, INC.



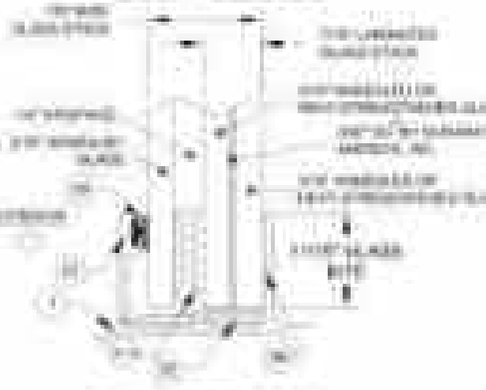
GLASS TYPE 1



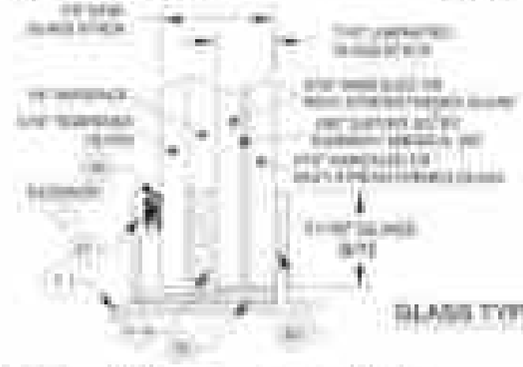
GLASS TYPES 2 & 3



GLASS TYPES 4 & 5



GLASS TYPES 6 & 7



GLASS TYPES 8 & 9

THIS SYSTEM HAS BEEN TESTED TO MEET THE 400 PSF LISA/TCLA/DASHO IMPACT LOADING REQUIREMENTS OF ANSI Z97.1 WHEN USING GLASS TYPES 2 & 3.

GENERAL NOTES 1
ELEVATION 1
GLAZING DETAILS 1
INSTALLATION 2
ASSEMBLY TUBE DETAILS 3
ANCHOR SPECIFICATIONS 4
ANCHOR DIAMETERS 4-5
DESIGN PRESSURES 6-10
ASSEMBLY DETAILS/SEAL 11

CODES / STANDARDS USED:
- 2021 FLORIDA BUILDING CODE (FBC), 8TH EDITION
- 2020 FLORIDA RESIDENTIAL CODE (FRC), 7TH EDITION
- ASTM E1300-16
- ANSI/APA PRS-610.1-19 FOR WOOD CONSTRUCTION
- ALUMINUM DESIGN MANUAL ADM 2020
- AAMA 2100-19
- ASCE 7-16

PRODUCT REVISED
By complying with the Florida Building Code
NOA No. 23-0815.08
Expiration Date: 04/11/2028
By:
Miami-Dade Product Control

PGT
Impact Windows and Doors
1070 TECHNOLOGY DRIVE
N. VENICE, FL 34275
(941) 480-1600

CASEMENT PICTURE WINDOW DETAILS - LM		08/08/12
GENERAL NOTES & ELEVATION	J ROSOWSKI	
1. UPDATE TO 2023 FLORIDA CODE. REVISED INSTALLATION ANCHORS AS NEEDED FROM NOTE 2, ADD NOTE 11 AND UPDATE SHEET INDEX		09/13/23
PW-740	1 OF 11	MD-PW740-LM



INSTALLATION OPTION 1
INSTALLATION ANCHORS WITH SS WOOD

INSTALLATION OPTION 2
INSTALLATION ANCHORED DIRECTLY INTO MASONRY

INSTALLATION OPTION 4
INSTALLATION ANCHORS DIRECTLY INTO METAL

HORIZONTAL SECTION A-A

VERTICAL SECTION B-B

INSTALLATION OPTION 3
INSTALLATION ANCHORS THROUGH 1/4 BACKSTRIP INTO MASONRY

NOTES:

1. USE ONLY SUBSTRATE APPROPRIATE ANCHORS LISTED ON TABLE 2, SHEET 4.
2. ROLLER SHIM/GASKET AND EDGE DISTANCE LIMITS ANY INSTALLATION OPTION SHOWN MAY BE USED ON ANY SIDE OF THE WINDOW.
3. WALL WOOD BUCKLES LESS THAN 1-1/2" THICK ARE TO BE CONSIDERED AS INSTALLATIONS IN WOOD BUCKS ARE OPTIONAL. UNIT MAY BE INSTALLED DIRECTLY TO SUBSTRATE. WOOD BUCKS DEFLECTED AS OF ARE 1-1/2" THICK OR GREATER. 1/4 ARE 20 RATED UNITS SHALL BE DESIGNED TO ADEQUATELY TRANSFER LOADS TO THE STRUCTURE. WOOD BUCK DESIGN AND INSTALLATION IS THE RESPONSIBILITY OF THE ENGINEER OR ARCHITECT OF RECORD. MINIMUM SHIM THICKNESS TO BE 1/4".

NOTES:

1. WHEN INSTALLING COMBINATION UNITS, ADDITIONAL INSTALLATION ANCHORS MAY NEED TO BE INSTALLED THROUGH THE WINDOW FRAMES AT 16" MAX. FROM EACH SIDE OF THE FRAME ASSEMBLY TYPE (DEPENDING SEE TABLE BELOW

		Additional Anchors Required on each Side of the Frame Assembly (Use 2 1/2")	
	Window Width	Anchor Type	
		A	B, C, & D
	12" - 20 5/8"	1	0
	20 1/"	1	1
	Window Height	Anchor Type	
		A	B, C, & D
	12" - 20 5/8"	0	0
	20 1/"	1	1

WORK EXAMPLE FOR A-A (2)
WIDTH: WINDOW WIDTH - 1"
HEIGHT: WINDOW HEIGHT - 1"

PRODUCT REVISED
By complying with the Florida Building Code
NOA #s. 23-0815.08
Expiration Date: 06/11/2028
By:
Miami-Dade Product Control

PGT
1070 TECHNOLOGY DRIVE
N. VENICE, FL 34275
(941) 480-1600
REGISTRATION #26098

CASEMENT PICTURE WINDOW DETAILS - LM		08/08/13
GENERAL NOTES & ELEVATION	J ROSOWSKI	
F	NO CHANGES. THIS SHEET. SB	07/31/23
PW-740	2 OF 11	MD-PW740-LM

PREPARED BY: A. LYNN MILLER
1070 TECHNOLOGY DRIVE
N. VENICE, FL 34275
(941) 480-1600

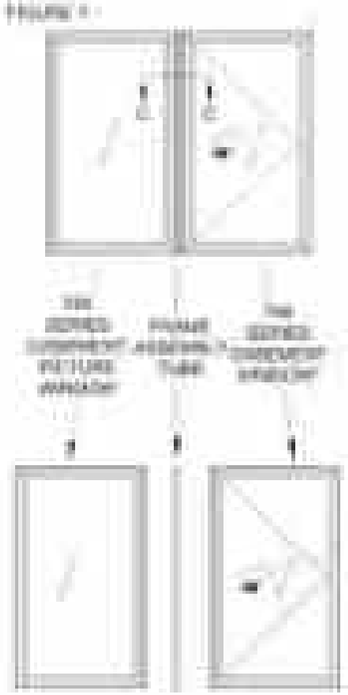
ANTHONY LYNN MILLER
LICENSE
No. 66746
STATE OF FLORIDA
PROFESSIONAL ENGINEER

CASEMENT PICTURE WINDOW (O)

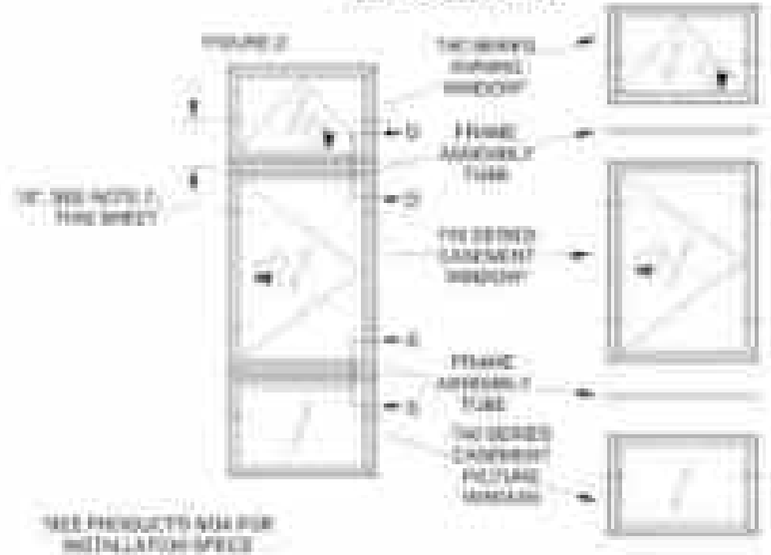


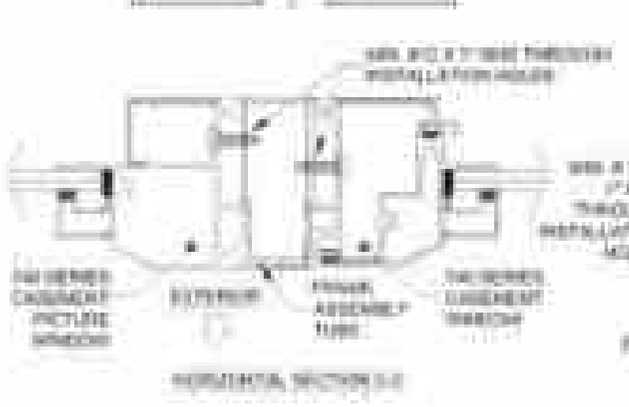


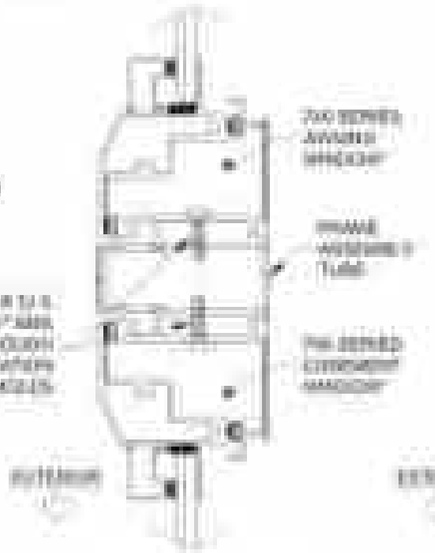
CASEMENT PICTURE WINDOW / CASEMENT (OX)



AWNING / CASEMENT / CASEMENT PICTURE WINDOW (XXO)









FOR SINGLE UNITS:

1) DETERMINE YOUR WINDOW SIZE AND GLASS

2) DETERMINE YOUR ANCHOR TYPE AND SUBSTRATE. DETERMINE YOUR ANCHOR GROUP FROM TABLE 3, SHEET 4.

3) FROM SHEETS 5, 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 TO CLOSEST 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 REQUIRED IN THE HEAD, SILL AND JAMBS OF YOUR WINDOW.

6) INSTALL AS PER THE INSTRUCTIONS ON SHEET 3.

FRAME ASSEMBLY TUBE NOTES:

1) DIMENSIONS SHOWN ARE TRUE 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 700 SERIES PRODUCT (CASEMENT, AWNING OR CASEMENT PICTURE WINDOW) MAY BE ATTACHED TO THE FRAME ASSEMBLY TUBE. FOR ALL WINDOWS, USE THE WINDOWS 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 SHOWN IN DETAILS, WITH MIN. #12 X 1" WHITE METAL SCREWS. USE THE SAME SPACING AND QUANTITY AS THE APPLICATE FRAME MEMBER.

5) THE FRAME ASSEMBLY TUBE MAY NOT EXCEED 40' IN LENGTH (AS USED IN A 4-UP PLANNED 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 12" MAX. FROM EACH SIDE OF THE FRAME ASSEMBLY TUBE CENTERLINE. SEE TABLE BELOW.

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 5-10, 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 TO CLOSEST 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 REQUIRED IN THE HEAD, SILL AND JAMBS OF YOUR ASSEMBLY.

5) INSTALL AS PER THE INSTRUCTIONS ON SHEETS 2-3. NOTE THAT ADDITIONAL ANCHORS THROUGH THE MAKING FRAME INTO THE SUBSTRATE MAY BE REQUIRED (SEE SHEET 2), AND THAT MIN. Ø 1/2 X 1" ANCHORS ARE TO BE USED THROUGH THE FRAME INTO THE FRAME ASSEMBLY TUBE (SEE DETAILS ON THIS SHEET).

Additional Anchors Required on each Side of the Frame Assembly Tube (FAT)

	Window Height	Anchor Type A	Anchor Type B, C & D
Head	Up to 36"	1	0
	36"+	2	1
Sill	Window Height	Anchor Type A	Anchor Type B, C & D
	Up to 36"	1	0
	36"+	2	1

PRODUCT REVISED
As complying with the Florida Building Code
NOA #s: 23-0810.08
Expiration Date: 04/11/2028
By: [signature]
Miami-Dade Product Control

FLNO CHANGES. THIS SHEET 5/8 - 7/31/23

#	DESCRIPTION	DATE
1	MD-PW-HS-LM	3/31/11
2		
3		

CASEMENT PICTURE WINDOW DETAILS / FRAME ASSEMBLY TUBE

PW-SHT-

IGT

ANTHONY LYNN MILES
LICENSE
No. 68705
STATE OF
FLORIDA
PROFESSIONAL ENGINEER
6 LYNN MILLER TR
[illegible]

TABLE 2A

Wood or Anchors Required (2" and Less on Short Side Dimension)

Frame Type	Min. Edge Distance	Min. O.C. Spacing	Min. Embedment	Anchor Type Required
Up to 40"	3"	12"	1-1/4"	Screw
41" to 72"	3"	12"	1-1/4"	Screw
73" to 96"	3"	12"	1-1/4"	Screw
97" to 120"	3"	12"	1-1/4"	Screw
121" to 144"	3"	12"	1-1/4"	Screw
145" to 168"	3"	12"	1-1/4"	Screw
169" to 192"	3"	12"	1-1/4"	Screw
193" to 216"	3"	12"	1-1/4"	Screw
217" to 240"	3"	12"	1-1/4"	Screw
241" to 264"	3"	12"	1-1/4"	Screw
265" to 288"	3"	12"	1-1/4"	Screw
289" to 312"	3"	12"	1-1/4"	Screw
313" to 336"	3"	12"	1-1/4"	Screw
337" to 360"	3"	12"	1-1/4"	Screw

TABLE 2

Group	Anchor	Substrate	Min. Edge Distance	Min. O.C. Spacing	Min. Embedment	Anchor Type Required
A	#10 Wood Screw (.190 in dia) #14 Wood Screw (.242 in dia) #16 (.270 dia)	Wood (G=0.42)	3/4"	3"	1-1/4"	Screw
		Wood (G=0.50)	3/4"	3"	1-1/4"	Screw
		ACQ Wood	3/4"	3"	1-1/4"	Screw
		Wood (Sp. Gr. .55)	3/4"	3"	1-1/4"	Screw
	1/4" Wood Wedge	Wood (G=0.42)	3"	6"	1-1/4"	Wedge
		Wood (G=0.50)	3"	6"	1-1/4"	Wedge
		ACQ Wood	3"	6"	1-1/4"	Wedge
		Wood (Sp. Gr. .55)	3"	6"	1-1/4"	Wedge
B	1/4" Wood Wedge	Yellow Pine	3"	6"	1-1/4"	Wedge
		Douglas Fir	3"	6"	1-1/4"	Wedge
		Yellow Pine	2-1/2"	6"	1-1/4"	Wedge
		Douglas Fir	2-1/2"	6"	1-1/4"	Wedge
C	1/4" Wood Wedge	Yellow Pine	2-1/2"	6"	1-1/4"	Wedge
	1/4" Wood Wedge	Douglas Fir	2-1/2"	6"	1-1/4"	Wedge
	1/4" x 0.112 Crewfast	Yellow Pine	2-1/2"	6"	1-1/4"	Wedge

TABLE 2 (cont.)

Group	Anchor	Substrate	Min. Edge Distance	Min. O.C. Spacing	Min. Embedment	Anchor Type Required
D	#10 Wood Screw (.190 in dia) #14 Wood Screw (.242 in dia) #16 (.270 dia)	Wood (G=0.42)	3/4"	3"	1-1/4"	Screw
		Wood (G=0.50)	3/4"	3"	1-1/4"	Screw
		ACQ Wood	3/4"	3"	1-1/4"	Screw
		Wood (Sp. Gr. .55)	3/4"	3"	1-1/4"	Screw
	1/4" Wood Wedge	Wood (G=0.42)	3"	6"	1-1/4"	Wedge
		Wood (G=0.50)	3"	6"	1-1/4"	Wedge
		ACQ Wood	3"	6"	1-1/4"	Wedge
		Wood (Sp. Gr. .55)	3"	6"	1-1/4"	Wedge
	1/4" Wood Wedge	Yellow Pine	3"	6"	1-1/4"	Wedge
		Douglas Fir	3"	6"	1-1/4"	Wedge
		Yellow Pine	2-1/2"	6"	1-1/4"	Wedge
		Douglas Fir	2-1/2"	6"	1-1/4"	Wedge
	1/4" Wood Wedge	Yellow Pine	2-1/2"	6"	1-1/4"	Wedge
	1/4" Wood Wedge	Douglas Fir	2-1/2"	6"	1-1/4"	Wedge
	1/4" x 0.112 Crewfast	Yellow Pine	2-1/2"	6"	1-1/4"	Wedge

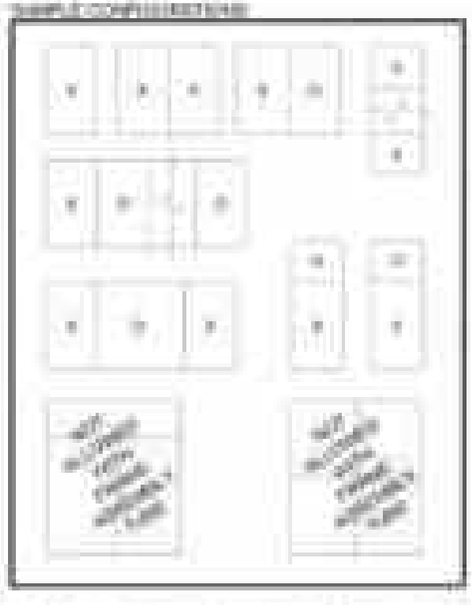
1) USE THIS TABLE FOR ALL WINDOWS PER THE EXCEPTIONS ON SHEET 1 DIMENSIONS SHOWN ARE PER FOOTPRINT

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



SAMPLE CONFIGURATIONS



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

2) MINIMUM SLIDE EXTENT A MIN. OF 3 THREADS BEYOND ANY METAL SUBSTRATE

3) ALL ANCHOR HEAD TYPES ARE ACCEPTABLE

Method	Min. 1	Min. 2
Wood (G=0.42)	30 lbs	120 lbs
Wood (G=0.50)	30 lbs	120 lbs
ACQ Wood	180 lbs	240 lbs
Wood (Sp. Gr. .55)	180 lbs	240 lbs
1/4" Wedge Wood (G=0.42)	120 lbs	180 lbs
1/4" Wedge Wood (G=0.50)	120 lbs	180 lbs
1/4" Wedge ACQ Wood	120 lbs	180 lbs
1/4" Wedge Wood (Sp. Gr. .55)	120 lbs	180 lbs
1/4" Wedge Yellow Pine	120 lbs	180 lbs
1/4" Wedge Douglas Fir	120 lbs	180 lbs
1/4" Wedge Yellow Pine	120 lbs	180 lbs
1/4" Wedge Douglas Fir	120 lbs	180 lbs
1/4" x 0.112 Crewfast	120 lbs	180 lbs

PRODUCT REVISED
As complying with the Florida Building Code
NOA #: 23-0810.08
Expiration Date: 04.11.2028
By: Miguel Soler
Miami-Dade Product Control

F) CHANGE NOTE 3. INCLUDE ALL ANCHOR HEAD TYPES SR - 7.31.23

PGT

CASEMENT PICTURE WINDOW DRAWING

ANCHOR TYPE & QUANTITY

MD-PW7451LM

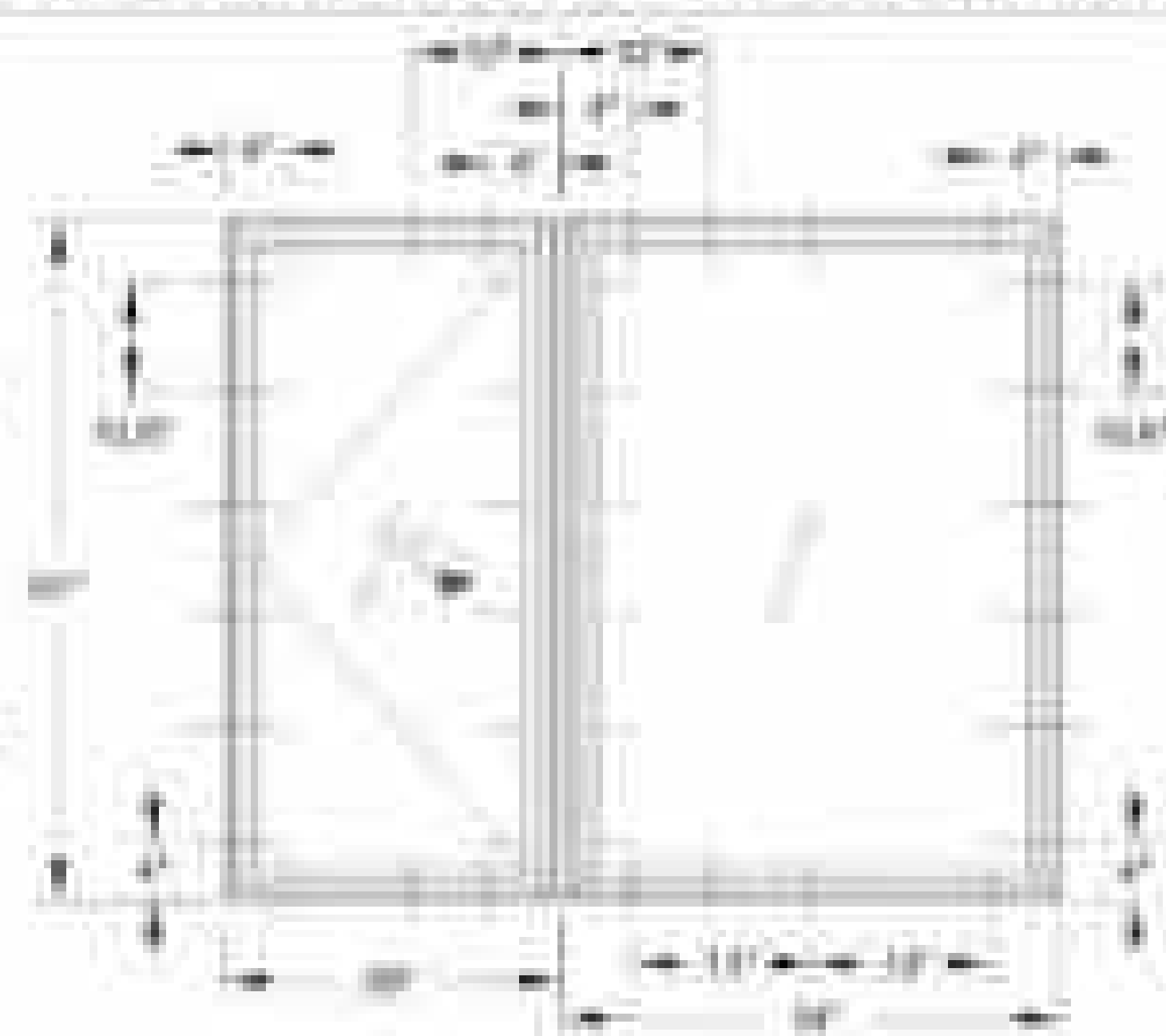
PW-7451

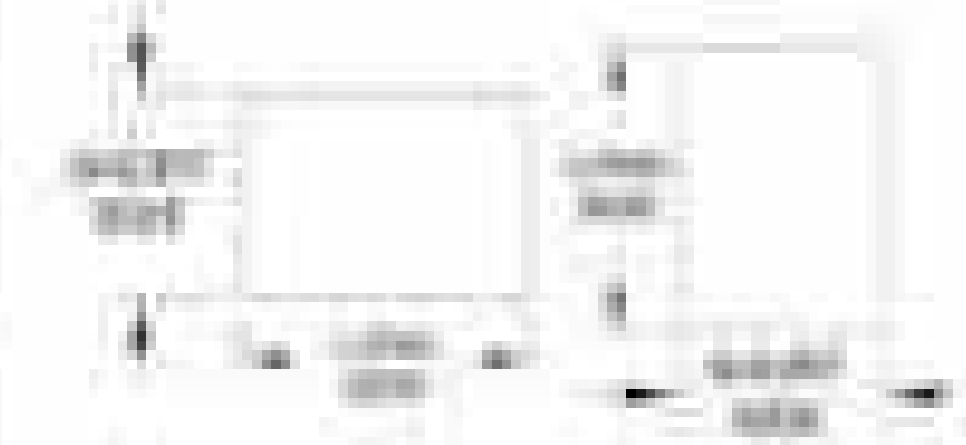
4 OF 11

REVISIONS



Window Anchors Required (Over 17" on Frame Side Dimension)





CASEMENT ANCHORS: **SEE SEPERATE NOA**

CASEMENT PICTURE WINDOW ANCHORS:

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NOA-No. 23-0816.08
Expiration Date 04/11/2028
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as complying with the Florida Building Code
NOA-No. 23-0816.08
Expiration Date 04/11/2028
By
Miami-Dade Product Control

FL NO
CHANGES
THIS SHEET
SB - 7/31/23

CASEMENT PICTURE WINDOW DETAILS - LMI
ANCHOR TYPE & QUANTITY
3 OF 11
PW-540

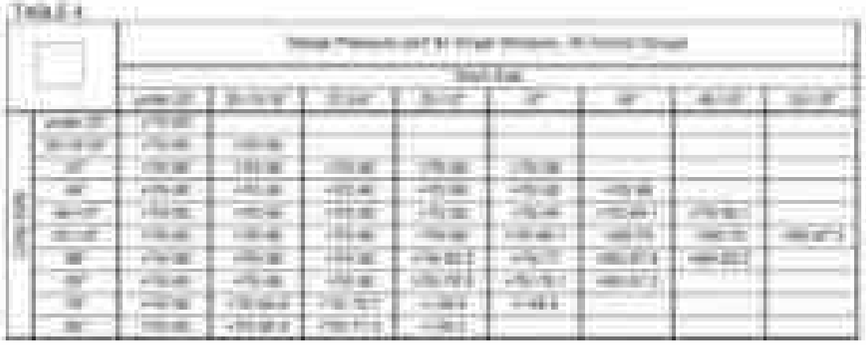
ANTHONY LYNN MILLER
LICENSE
STATE OF FLORIDA
PROFESSIONAL ENGINEER

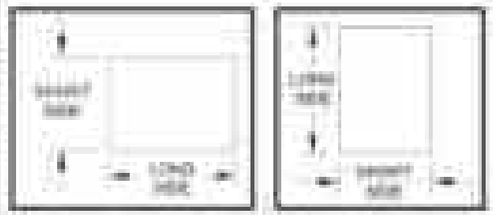
FOR GLASS TYPES:

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

PVB = TROSIFOL TVB INTERLAYER BY KURARAY AMERICA INC.

TABLE 4





1. SEE SHEETS 1, 4 & 5 FOR IMPACT ANCHOR LOCATIONS AND QUANTITIES.
2. TABLE DIMENSIONS MAY BE INTERPOLATED VERTICALLY OR HORIZONTALLY AS PERMITTED.

TABLE 5



FIGURE FOR VERTICAL FRAME ASSEMBLY TUBE

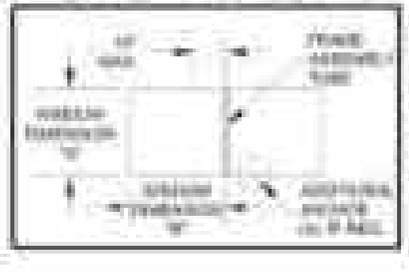
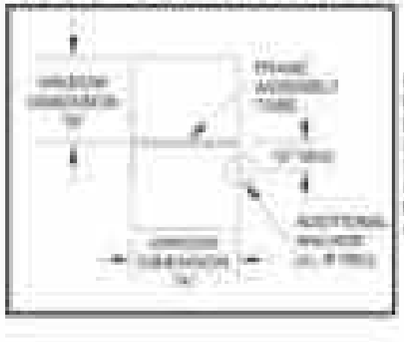


FIGURE FOR HORIZONTAL FRAME ASSEMBLY TUBE



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NOA #: 23-0810.08
Expiration Date: 04.11.2028
By: Miami-Dade Product Control

F) NO CHANGES TO THIS SHEET SB - 7.11.23

PGT

CASEMENT PICTURE WINDOW DETAILS
IMPACT PRESSURE HERE

DRAWN BY:	CHECKED BY:	DATE:	REVISION
JAMES LYNN MILLER		7.11.23	F

SHEET NO. 6 OF 11
DRAWING NO. PW-5401
MD-PW-0118

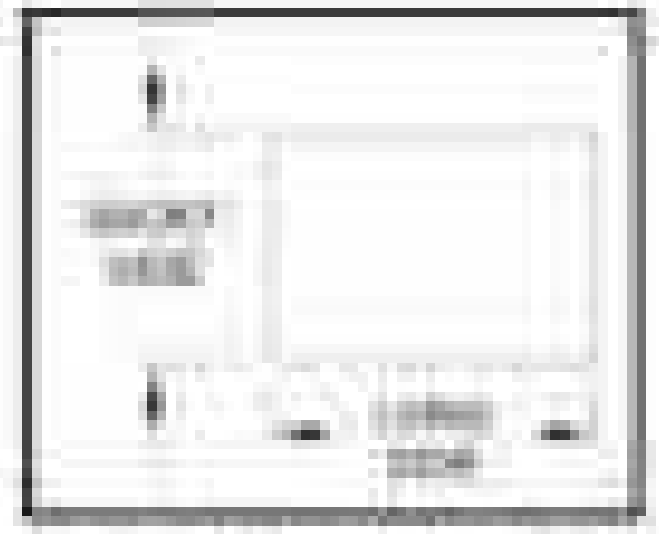
FLORIDA LICENSED PROFESSIONAL ENGINEER
JAMES LYNN MILLER
LICENSE No. 68700
STATE OF FLORIDA
JAMES LYNN MILLER PE
P.E. # 68700

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

*PVB = PROGRESS PVB INTERLAYER BY KURARAY AMERICA, INC.

TABLE 6

Window Dimension	Design Pressure (psf) for Single Window, No Anchor Groups						
	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]						
[illegible]	[illegible]	[illegible]					
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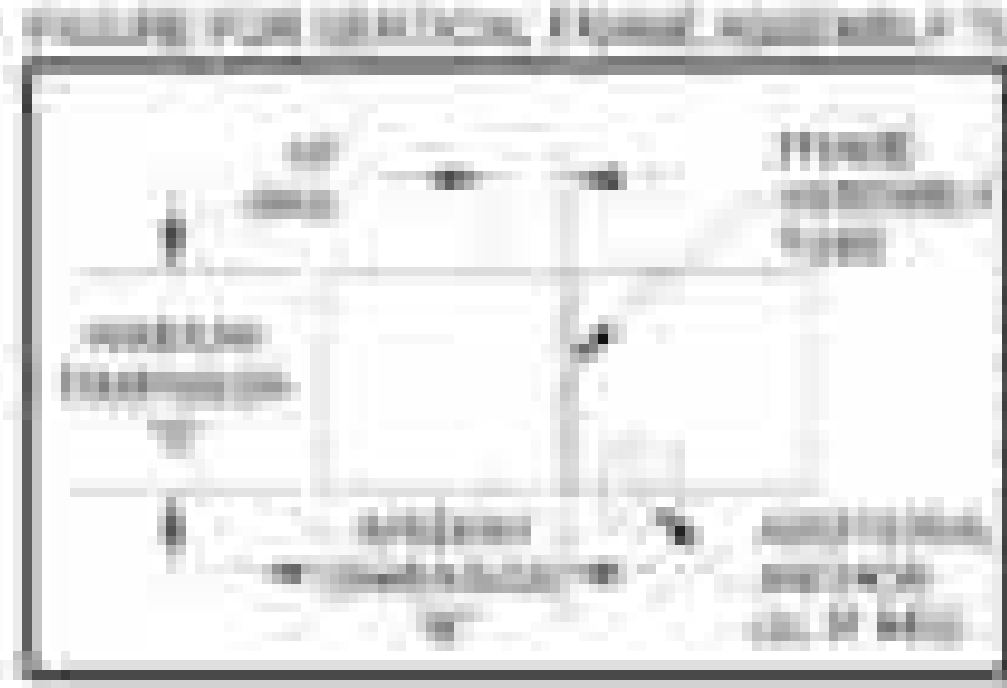


1) SEE SHEETS 1, 4 & 5 FOR WINDOW ANCHOR LOCATIONS AND QUANTITIES.
2) TABLE DIMENSIONS MAY BE ORIENTED VERTICALLY OR HORIZONTALLY AS SHOWN.

TABLE 7

Window Dimension	[illegible]	[illegible]	[illegible]	[illegible]			[illegible]			[illegible]				[illegible]				[illegible]				[illegible]				[illegible]			
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
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[illegible]	[illegible]	[illegible]	[illegible]																										

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 6 FOR ADDITIONAL SAMPLE CONFIGURATIONS

PRODUCT REVISED
As complying with the Florida Building Code
NOA-No. 23-0816.08
Expiration Date 04/11/2028
By [signature]
Miami-Dade Product Control

F) NO CHANGES THIS SHEET
SB - 7/31/23

PGT

CASEMENT PICTURE WINDOW DETAILS - LMI
DESIGN PRESSURE PER GLAZING TYPE

MD-PWWMC-LMI

7 OF 11



A. LYNN MILLER, P.E.

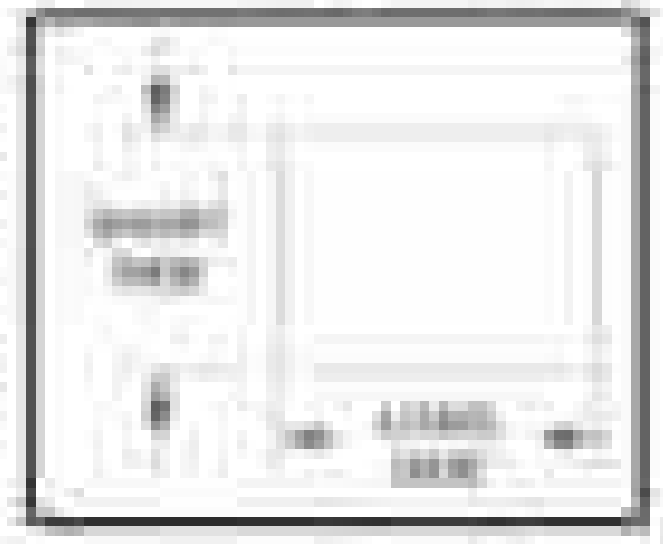
FOR GLASS TYPES:

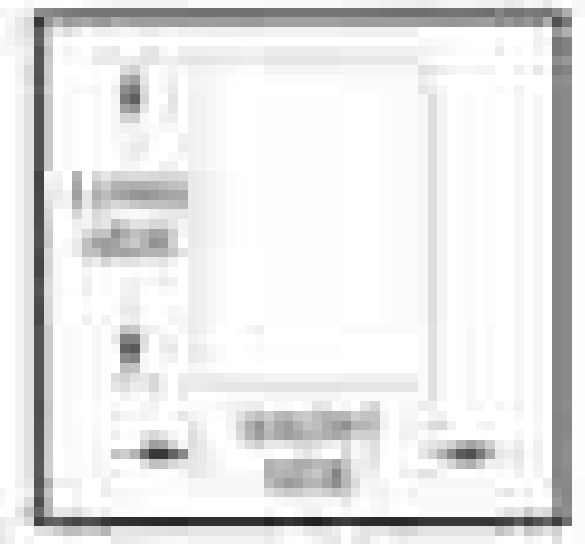
2) 7/16" LAMI. (3/16" AN - .090" SG - 3/16" AN
6) 7/8" LAMI. IG. (3/16" AN - 1/4" AIR - 3/16" AN - .090" SG - 3/16" AN)
8) 7/8" LAMI. IG. (3/16" T - 1/4" AIR - 3/16" AN - .090" SG - 3/16" AN)

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

TABLE X

[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
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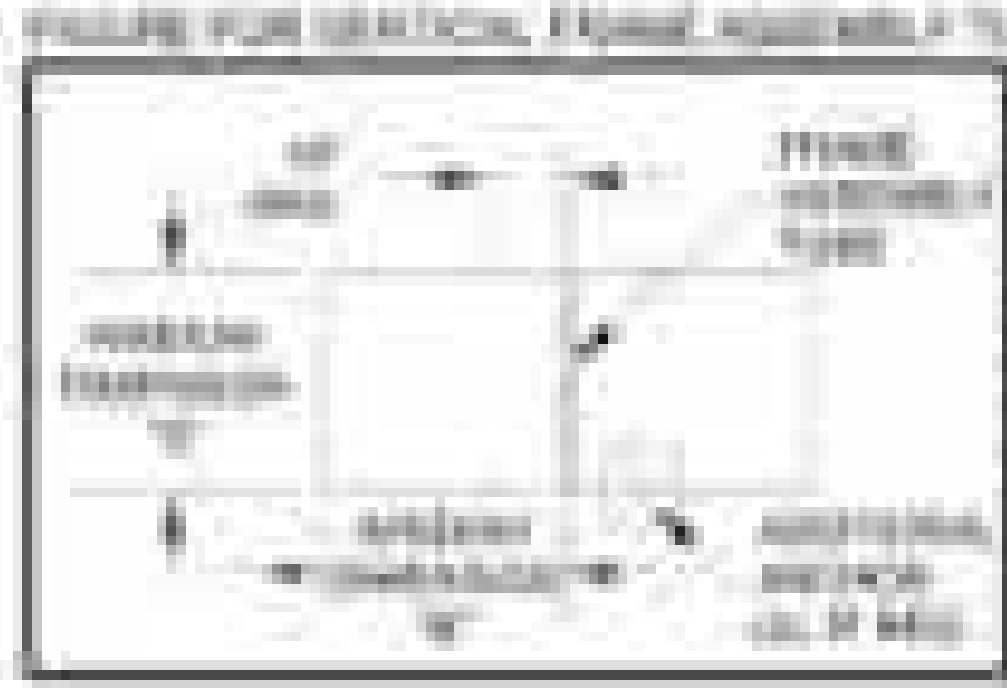


1) SEE SHEETS 1, 4 & 5 FOR WINDOW ANCHOR LOCATIONS AND QUANTITIES.
2) TABLE DIMENSIONS MAY BE ORIENTED VERTICALLY OR HORIZONTALLY AS SHOWN.

TABLE Y

[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]			[illegible]				[illegible]				[illegible]				[illegible]			
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[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]																
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]																			

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 VERTICAL SAMPLE CONFIGURATION

PRODUCT REVISED
as complying with the Florida Building Code
NOA-No. 23-0816.08
Expiration Date 04/11/2028
By
Miami-Dade Product Control

F) NO CHANGES THIS SHEET
SB - 7/31/23

PGT

CASEMENT PICTURE WINDOW DETAILS - LM
DESIGN PRESSURE PER GLAZING TYPE

8 OF 11

ANTHONY LYNN MILLER
LICENSE
STATE OF FLORIDA
PROFESSIONAL ENGINEER

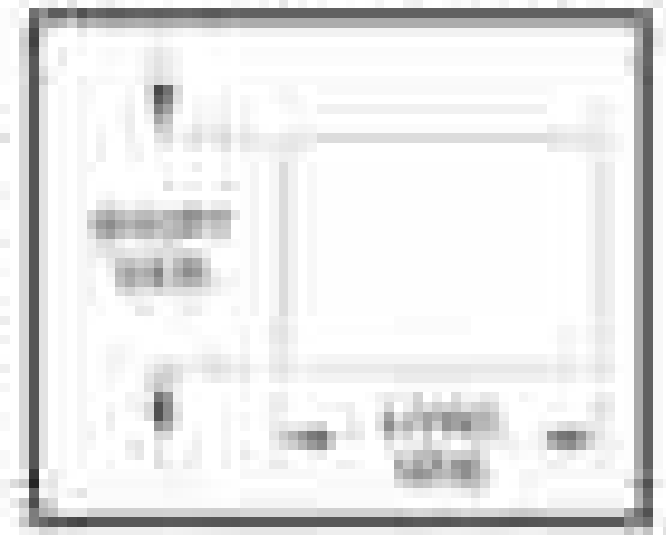
FOR GLASS TYPES:

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

[illegible]

TABLE 10:

		[illegible]									
		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]									
	[illegible]	[illegible]	[illegible]								
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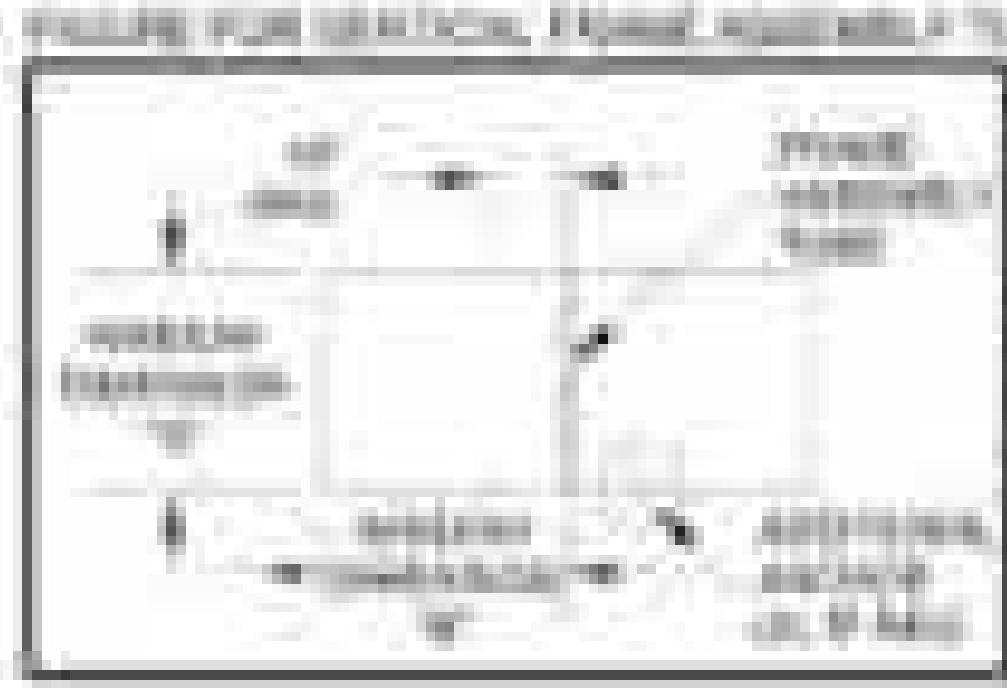


1) SEE SHEETS 1, 4 & 5 FOR WINDOW ANCHOR LOCATIONS AND QUANTITIES.
2) TABLE DIMENSIONS MAY BE ORIENTED VERTICALLY OR HORIZONTALLY AS SHOWN.

TABLE 11:

		[illegible]																					
		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]			[illegible]				[illegible]				[illegible]				[illegible]		
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[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
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	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]							
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	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]															
	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]																		

FIGURE FOR VERTICAL FRAME ASSEMBLY TUBE



SEE SHEETS 1, 4 & 5 FOR WINDOW ANCHOR LOCATIONS AND QUANTITIES. SEE SHEET 7 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 7 FOR ANY ADDITIONAL ANCHORS REQUIRED FOR THE FRAME ASSEMBLY TUBE.

SEE SHEET 4 FOR ADDITIONAL SAMPLE CONFIGURATIONS

PRODUCT REVISED
as complying with the Florida Building Code
NOA-No. 23-0816.08
Expiration Date 04/11/2028
By [signature]
Miami-Dade Product Control

F.) NO CHANGES THIS SHEET. SB - 7/3/23

PGT

CASEMENT PICTURE WINDOW DETAILS / LM
DESIGN PRESSURE PER GLAZING TYPE

9 OF 11

PW-7401

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

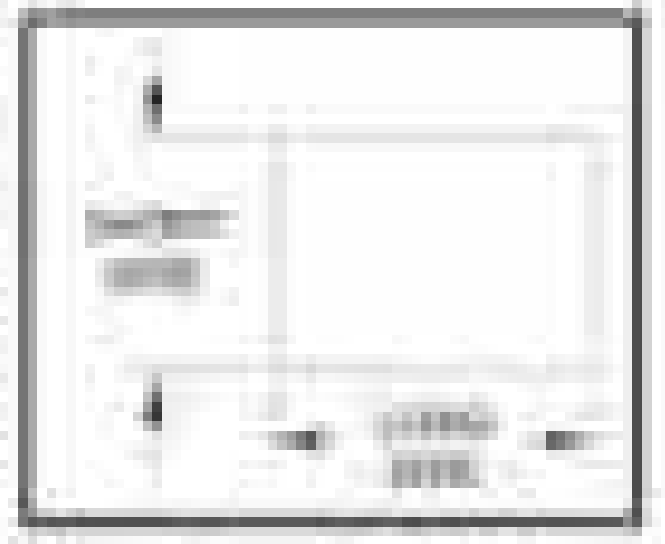
FOR GLASS TYPES:

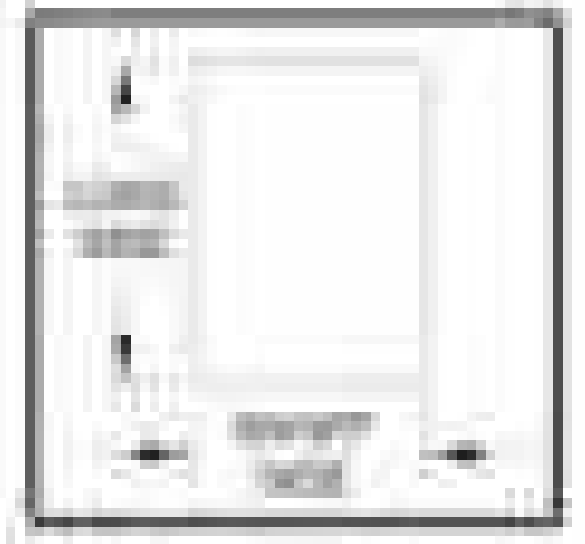
4) 7/8" LAMI. IG (1/8" AN - 7/16" AIR - 1/8" AN - .090" PVB - 1/8" AN)

*PVB = TROSIFOL PVB INTERLAYER BY KURARAY AMERICA, INC.

TABLE 12:

	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]							
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[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]		
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]			
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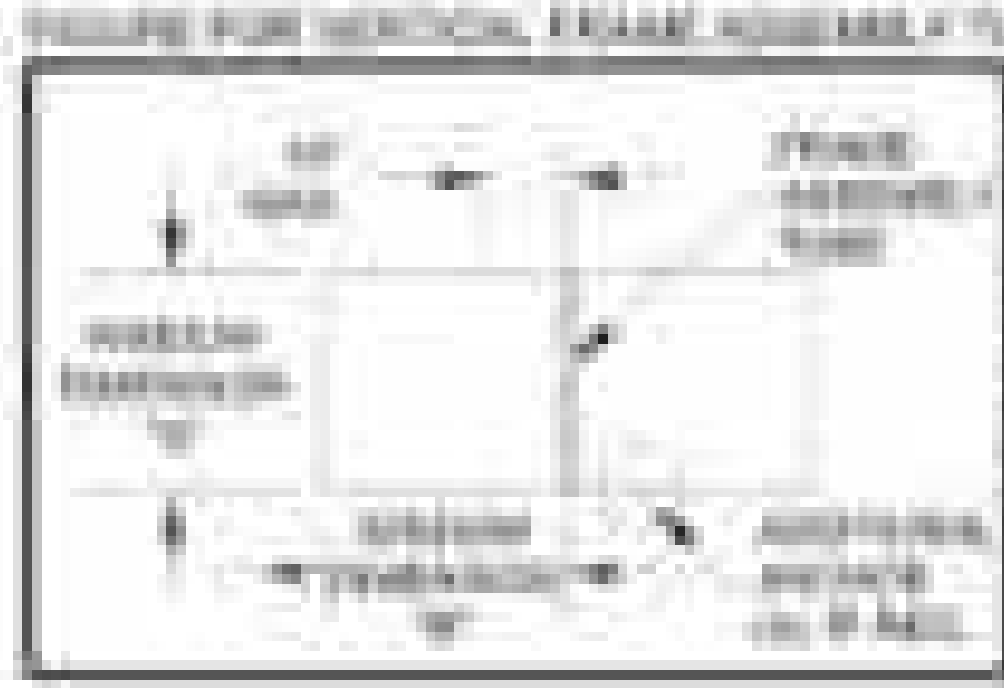


1) SEE SHEETS 1, 4 & 5 FOR WINDOW ANCHOR LOCATIONS AND QUANTITIES.
2) TABLE DIMENSIONS MAY BE ORIENTED VERTICALLY OR HORIZONTALLY AS SHOWN.

TABLE 13:

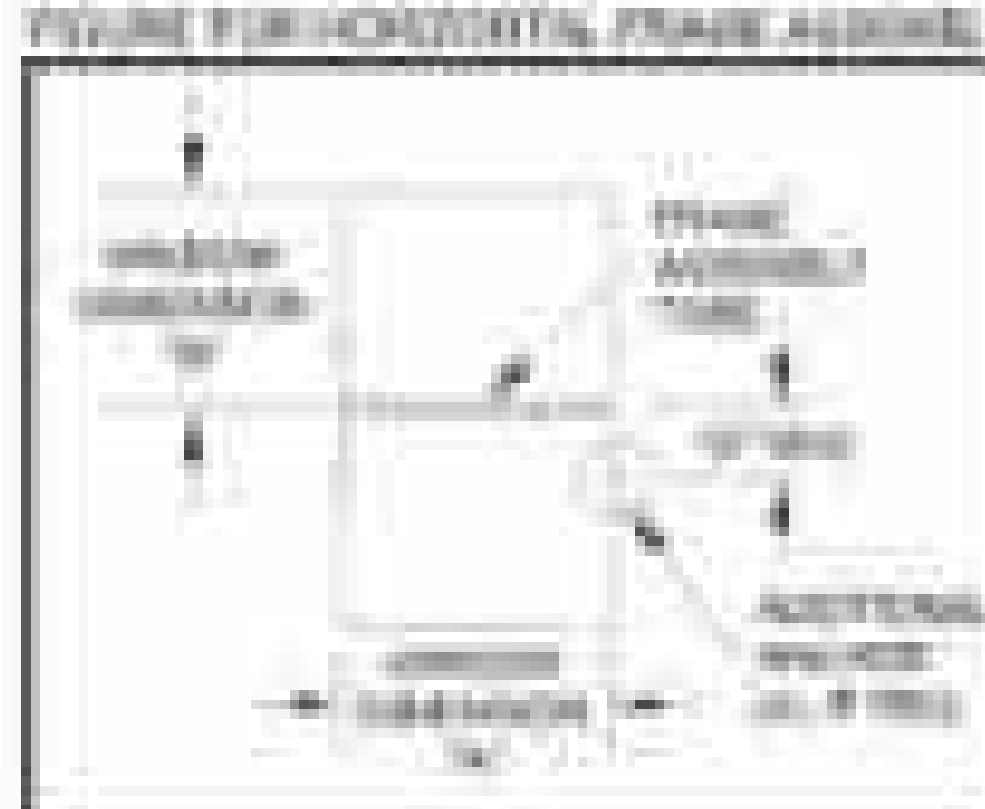
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						A	B	[illegible]	A	B	[illegible]	A	B	C	D	A	B	C	D	A	B	C	D
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
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[illegible]	[illegible]	[illegible]	[illegible]	[illegible]																			

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

PRODUCT REVISED
As complying with the Florida Building Code
NOA-No. 23-0816.08
Expiration Date 04/11/2028
By [signature]
Miami-Dade Product Control

F.I.NO.:
CHANGES, THIS SHEET
SB - 7/31/23

PGT

CASEMENT PICTURE WINDOW DETAILS - LM
DESIGN PRESSURE PER GLAZING TYPE

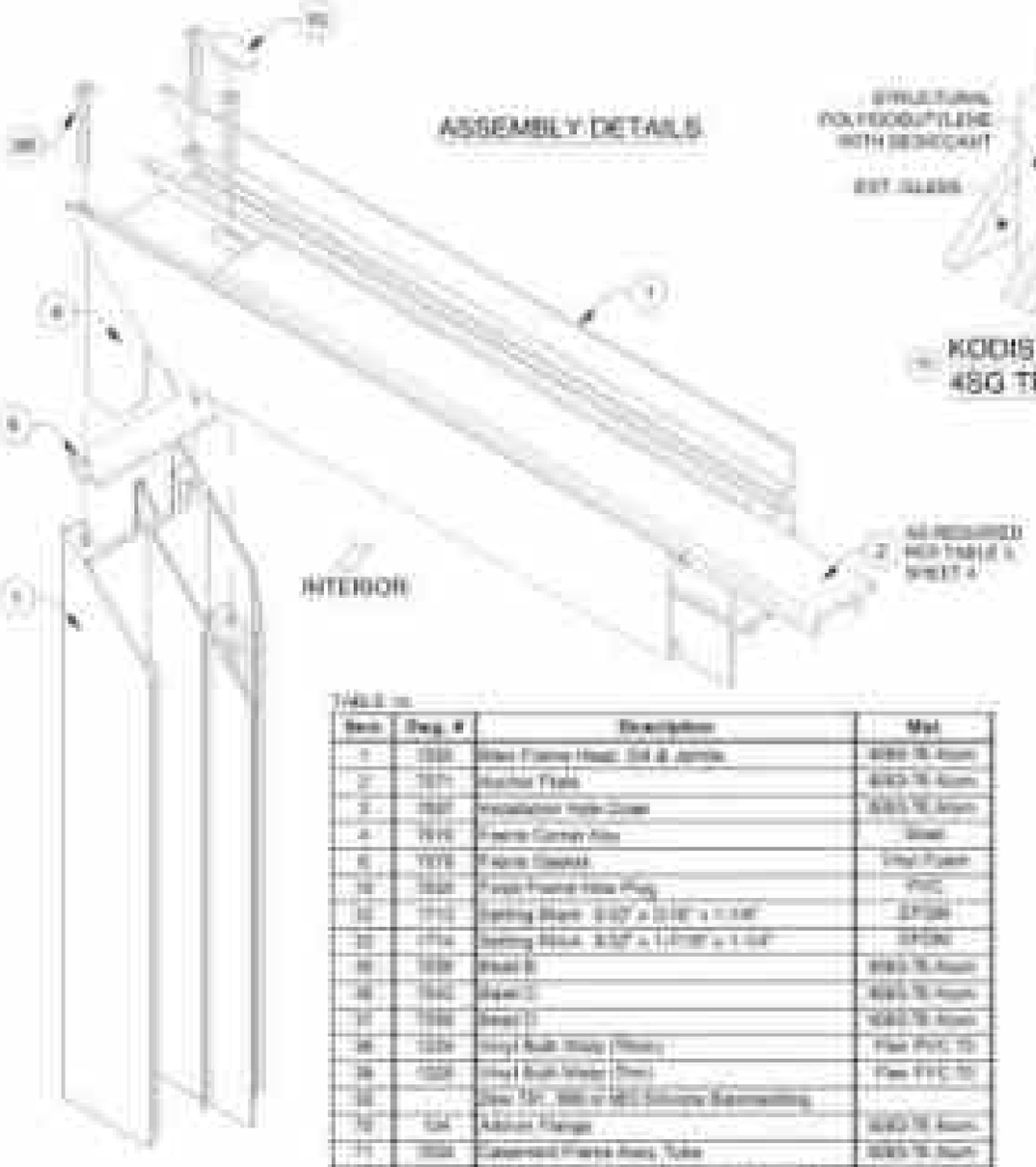
PW-740

MD-PW740-LM

ANTHONY LYNN MILLER
LICENSE
No. 58705
STATE OF FLORIDA
PROFESSIONAL ENGINEER

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

ASSEMBLY DETAILS





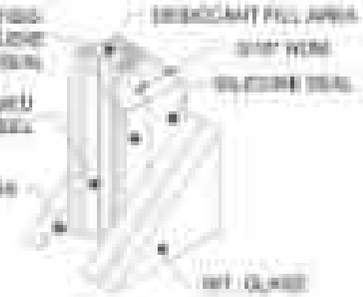
KODISPACE 48Q TPS



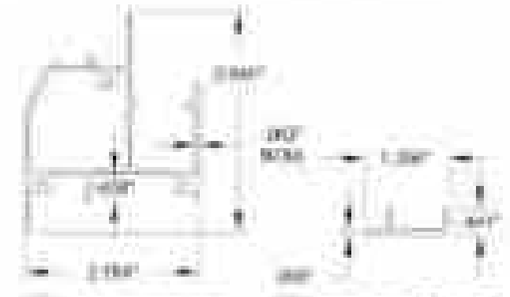
SUPER SPACER® NXT™



DURASEAL® SPACER



XL EDGE™ SPACER



1 FRAME HEAD
SILL & JAMB
#7010, 6063-T5

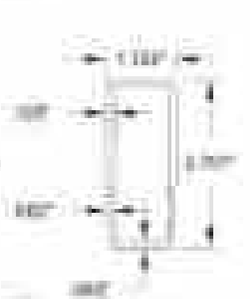
2 ANCHOR PLATE
#7071, 6063-T6



3 INST. HOLE COVER
#7007, 6063-T6



70 ADDON FLANGE
#134, 6063-T6



71 FRAME ASSEMBLY TUBE
#7004, 6063-T6



35 BEAD B
#7035, 6063-T6



36 BEAD C
#7042, 6063-T6



37 BEAD D
#7038, 6063-T6

TABLE 1

Item	Reg. #	Description	Mat.
1	7010	Main Frame Head, Sill & Jambs	6063-T6 Alum.
2	7071	Anchor Plate	6063-T6 Alum.
3	7007	Installation Hole Cover	6063-T6 Alum.
4	7015	Frame Corner Key	Steel
5	7075	Frame Gasket	Vinyl Foam
10	7020	Fixed Frame Hole Plug	PVC
12	7112	Glazing Blade 0.62" x 0.56" x 1.14"	EPDM
13	7114	Glazing Blade 0.62" x 1.0156" x 1.14"	EPDM
30	1039	Bead B	6063-T6 Alum.
35	7042	Bead C	6063-T6 Alum.
37	1038	Bead D	6063-T6 Alum.
38	1034	Vinyl Bulb Wedge (Short)	Flex PVC 70
39	1035	Vinyl Bulb Wedge (Tall)	Flex PVC 70
50		Hex Tr. 3/8-16 NC Chrome Barrewelding	
70	134	Addon Flange	6063-T6 Alum.
71	7004	Casement Frame Assy. Tube	6063-T6 Alum.
90		#8 x 1-1/2" Dual Pc SHC Stainless Steel	Stainless Steel
91		#12 x 1" Hx. Hd. 304	Stainless Steel

Part #	Description	Material
76	Kummerling 4000 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 6117, 6668 & 6670

PRODUCT REVISED
By complying with the Florida Building Code
NOA No. 23-0815.08
Expiration Date: 04/11/2028
By: Miguel Soto
Miami-Dade Product Control

PGT
PGT Industries, Inc. and Subs.
1070 TECHNOLOGY DRIVE
N. VENICE, FL 34275
(941) 486-1600

PREPARED BY: A. LYNN MILLER
1070 TECHNOLOGY DRIVE
N. VENICE, FL 34275
(941) 486-1600

REGISTRATION #35338

CASEMENT PICTURE WINDOW DETAILS - I.M.		08/08/12
BOM & EXTRUSIONS	J ROSONINC	
F.) NO CHANGES THIS SHEET SR		07/31/23
PW-740	11 OF 11	MD-PW740-I.M

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