MIAMI-DADE COUNTY, FLORIDA
PRODUCT CONTROL SECTION
11805 SW 26 Street, Room 208
Miami, Florida 33175-2474
www.miamidade.gov/building

DEPARTMENT OF REGULATORY AND ECONOMIC RESOURCES (RER)

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 "AW-740" Aluminum Awning Window - L.M.I.

APPROVAL DOCUMENT: Drawing No. **MD-AW740LM**, Rev **F** titled "Awning Window Details - LM & SM", sheets 1 through 11 of 11, dated 08/08/12 and last revised on 08/07/23, 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 No. 23-0303.05** and consists of this page 1 and evidence pages E-1, E-2, E-3, E-4 and E-5, as well as approval document mentioned above.

The submitted documentation was reviewed by **Ishaq I. Chanda, P.E.**

Ishaq I. Chanda

PGT Industries, Inc.

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. 12-1218.07)
2. Drawing No. **MD-AW740LM**, titled "Awning Window Details – LM & SM", sheets 1 through 11 of 11, dated 08/08/12, with revision **D** dated 03/13/20, signed and sealed by Anthony Lynn Miller, P.E.
   (Submitted under NOA No. 20-0402.07)

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. 20-0402.07)
2. Test reports on: 1) Uniform Static Air Pressure Test, Loading per FBC, TAS 202-94
   2) Large Missile Impact Test per FBC, TAS 201-94
   3) Cyclic Wind Pressure Loading per FBC, TAS 203-94

   along with marked-up drawings and installation diagram of a 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 NOA No. 16-0714.23)

Ishaq I. Chanda, P.E.
Product Control Unit Supervisor
NOA No. 23-0816.15
Expiration Date: April 11, 2028
Approval Date: September 07, 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) Forced Entry Test, per FBC 2411.3.2.1, and TAS 202-94
   5) Large Missile Impact Test per FBC, TAS 201-94
   6) Cyclic Wind Pressure Loading per FBC, TAS 203-94

   along with marked-up drawings and installation diagram of a series CA740P aluminum projected (awning) window, prepared by Fenestration Testing Laboratory, Inc. Test Report No. **FTL-7061**, dated 10/03/12, signed and sealed by Marlin D. Brinson, P.E.
   (Submitted under NOA No. 12-1218.07)

C. CALCULATIONS

1. Anchor verification calculations and structural analysis, complying with **FBC 6th Edition (2017)**, prepared by manufacturer, dated 06/09/17 and revised and updated to the **FBC 7th Edition (2020)** on 03/25/20, signed and sealed by Anthony Lynn Miller, P.E.
   (Submitted under NOA No. 20-0402.07)
2. Glazing complies with **ASTM E1300-04**

D. QUALITY ASSURANCE

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

E. MATERIAL CERTIFICATIONS

1. Notice of Acceptance No. **16-1117.01** issued to **Kuraray America, Inc.** for their "**Trosifol® Ultraclear, Clear and Color PVB Glass Interlayers**" dated 01/19/17, expiring on 07/08/19.
2. Notice of Acceptance No. **14-0916.11** issued to **Kuraray America, Inc.** for their "**Kuraray SentryGlas® (Clear and White) Glass Interlayers**" dated 06/25/15, expiring on 07/04/18.

Ishaq I. Chanda, P.E.
Product Control Unit Supervisor
NOA No. 23-0816.15
Expiration Date: April 11, 2028
Approval Date: September 07, 2023

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

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

F. STATEMENTS

1. Statement letter of conformance, complying with **FBC 6th Edition (2017)** and the **FBC 7th Edition (2020)**, dated March 10, 2020, issued by manufacturer, signed and sealed by Anthony Lynn Miller, P.E.
   (Submitted under NOA No. 20-0402.07)
2. Statement letter of no financial interest, dated March 10, 2020, issued by manufacturer, signed and sealed by Anthony Lynn Miller, P.E.
   (Submitted under NOA No. 20-0402.07)
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. 20-0402.07)
4. Proposal No. **16-0125** issued by the Product Control Section, dated March 09, 2016, signed by Ishaq Chanda, P.E.
   (Submitted under NOA No. 16-0714.23)

G. OTHERS

1. Notice of Acceptance No. **17-0614.20**, issued to PGT Industries, Inc. for their Series "AW-740" Aluminum Awning Window - L.M.I. approved on 09/05/17 and expiring on 04/11/23.

Ishaq I. Chanda, P.E.
Product Control Unit Supervisor
NOA No. 23-0816.15
Expiration Date: April 11, 2028
Approval Date: September 07, 2023

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

2. EVIDENCE SUBMITTED under previous approval

A. DRAWINGS

1. Drawing No. **MD-AW740LM**, titled "Awning Window Details – LM & SM", sheets 1 through 11 of 11, dated 08/08/12, with revision **E** dated 03/01/23, signed and sealed by Anthony Lynn Miller, P.E.

B. TESTS

1. None.

C. CALCULATIONS

1. None.

D. QUALITY ASSURANCE

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

E. MATERIAL CERTIFICATIONS

1. 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)**, dated March 1, 2023, issued by manufacturer, signed and sealed by Anthony Lynn Miller, P.E.
2. Statement letter of no financial interest, dated March 1, 2023, issued by manufacturer, signed and sealed by Anthony Lynn Miller, P.E.

G. OTHERS

1. Notice of Acceptance No. **20-0402.07**, issued to PGT Industries, Inc. for their Series "AW-740" Aluminum Awning Window - L.M.L. approved on 08/20/20 and expiring on 04/11/23.

Ishaq I. Chanda, P.E.
Product Control Unit Supervisor
NOA No. 23-0816.15
Expiration Date: April 11, 2028
Approval Date: September 07, 2023

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

3. NEW EVIDENCE SUBMITTED

A. DRAWINGS

1. Drawing No. **MD-AW740LM** Rev **F** titled "Awning Window Details - LM & SM", sheets 1 through 11 of 11, dated 08/08/12 and last revised on 08/07/23, prepared by manufacturer, signed and sealed by Anthony Lynn Miller, P.E.

B. TESTS

1. None.

C. CALCULATIONS

1. None.

D. QUALITY ASSURANCE

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

E. MATERIAL CERTIFICATIONS

1. 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 8th Edition (2023)**, dated 08/07/23, issued by manufacturer, signed and sealed by Anthony Lynn Miller, P.E.

G. OTHERS

1. *This NOA **revises NOA No. 23-0303.05**, updates to FBC 2023, expiring 04/11/28.*

Ishaq I. Chanda, P.E.
Product Control Unit Supervisor
NOA No. 23-0816.15
Expiration Date: April 11, 2028
Approval Date: September 07, 2023

GENERAL NOTES: SERIES 740 IMPACT RESISTANT AWNING WINDOW

1) THIS PRODUCT WAS BEEN DESIGNED & TESTED TO COMPLY WITH THE REQUIREMENTS OF THE FLORIDA BUILDING CODE INCLUDING THE HIGH VELOCITY HURRICANE ZONE (HVHZ). FOR INSULATED GLASS INSTALLATIONS ABOVE 30 FEET (9144 MM) THE GLAZING PLY CLOSEST TO INTERIOR

2) MULLIONS ARE NOT REQUIRED WHEN USED IN WINDSCREEN DESIGN PRESSURE.

3) FOR IMPACT APPLICATIONS IN MIAMI-DADE COUNTY, USE ONLY MIAMI-DADE COUNTY APPROVED MASONRY ANCHORS. MATERIALS USED FOR ANCHOR EVALUATION WERE SOUTHERN PINE. NOTE: USE CONCRETE MASONRY UNITS AND CONCRETE WITH MIN. 4000 PSI COMPRESSIVE STRENGTH. SEE TABLE 3, SHEET 3.

4) ALL WOOD BUCKS LESS THAN 1-1/2" THICK ARE TO BE CONSIDERED IN INSTALLATIONS. 2X WOOD BUCKS ARE OPTIONAL IF UNIT IS INSTALLED DIRECTLY TO USED PRIOR WOOD BUCKS (INSPECTED) 5/4 OR ABOVE 1-1/2" THICK OR GREATER. IN ANY OF BUCKS PRIOR USED SHALL BE REMOVED TO PROPERLY TRANSFER LOADS TO THE STRUCTURE. WOOD BUCK DESIGN AND INSTALLATION IS THE RESPONSIBILITY OF THE ENGINEER OR ARCHITECT OF RECORD.

5) ANCHOR EMBEDMENT TO BASE MATERIAL SHALL BE BEYOND WALL OPENING OR STUCCO. USE ANCHORS OF SUFFICIENT EMBEDMENT AS SPECIFIED ON TABLE 3, SHEET 3. MINIMUM JOINT SEALANT IS USED ON ALL FOUR CORNERS OF THE FRAME. INSTALLATION MEANS SHALL BE SEALED OVERALL (BACK BEDDING NOT REQUIRED) 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 SHIM (SHIMMABLE OR TRANSFERRING APPLIED LOADS. WOOD BLOCKS, BY OTHERS, MUST BE SUFFICIENT ANCHORED TO RESIST LOADS IMPOSED ON THEM BY THE WINDOW.

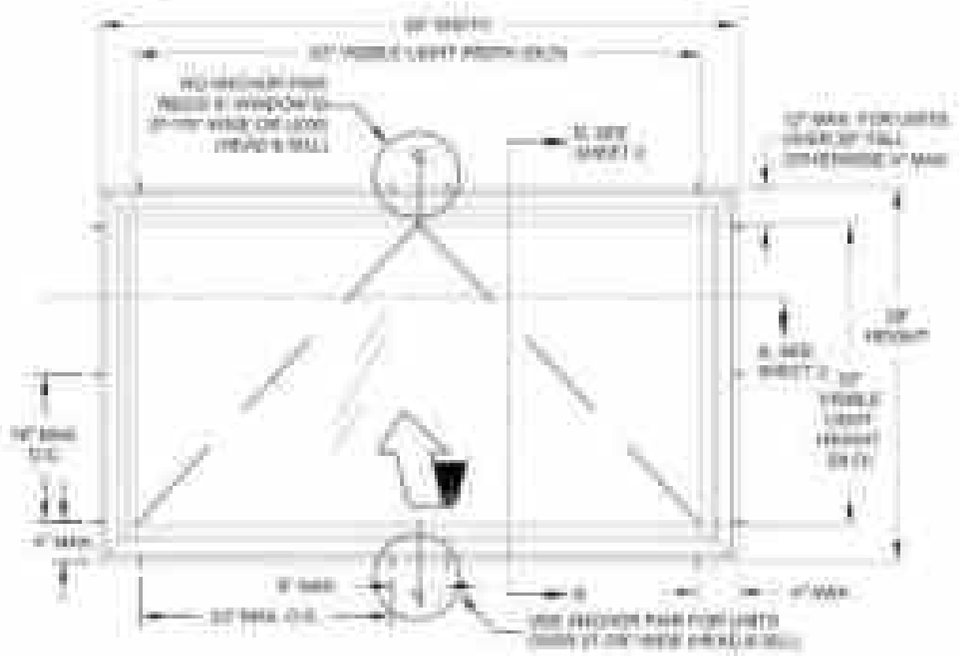
7) DESIGN PRESSURES:
A. NEGATIVE DESIGN LOADS BASED ON STRUCTURAL TEST PRESSURE, FRAME ANALYSIS AND GLASS PER ASTM E1300.
B. POSITIVE DESIGN LOADS BASED ON ASTM TEST PRESSURE, STRUCTURAL TEST PRESSURE, FRAME ANALYSIS AND GLASS PER ASTM E1300.
C. DESIGN LOADS ARE BASED ON ALLOWABLE STRESS DESIGN (ASD).

8) THE ANCHORAGE METHODS SHOWN ARE DESIGNED TO RESIST THE WIND LOADS CORresponding TO THE REQUIRED DESIGN PRESSURE. THE 2x LOAD DURATION INCREASE HAS NOT BEEN USED IN THE DESIGN OF THIS PRODUCT. THE 1.6 LOAD DURATION FACTOR WAS USED FOR THE EVALUATION OF ANCHORS INTO WOOD AND MAY NOT COMPLY WITH CONTACT WITH OTHER DISSIMILAR MATERIALS SHALL MEET THE REQUIREMENTS OF THE FLORIDA RESIDENTIAL CODE FOR CORROSION RESISTANCE.

9) FRAME FLANGES ON INTERIOR FINISH MAY BE TRIMMED FLUSH TO CREATE AN EQUAL LEG FRAME. THE EXPOSED ALUMINUM EDGE MUST BE PAINTED TO PROTECT AGAINST CORROSION.

10) PERFORMANCE TEST REPORTS PTL 1901, 1902, 1903, 1904, 1905.1 & TRACKING 19041.01.02 ULTRATECH INTERNATIONAL LLC CERTIFIED TO AAMA/WDMA 101/I.S.2/NAFS FOR WOOD CONSTRUCTION AND AISI S100-16 (SUPPLEMENT 1-2019) FOR

DESIGN PRESSURE RATING	IMPACT RATING
+/-60 PSF SEE SHEETS 3-5	ASTM E1886 FOR LARGE & SMALL MISSILE IMPACT RESISTANCE



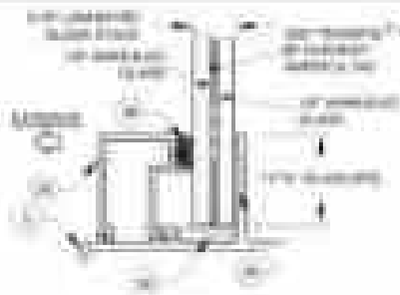
TYP. ELEVATION OF AWNING WINDOW

GENERAL NOTES	1
ELEVATIONS	1
GLAZING DETAILS	1
INSTALLATION	2
ANCHOR & TUBE DETAILS	3
ANCHOR SPECIFICATIONS	4
BOM OF QUANTITIES	4
DESIGN PRESSURES	5-9
WELDING / DETAILS/DESIGN	10
CERTIFICATIONS/APPROVALS	11

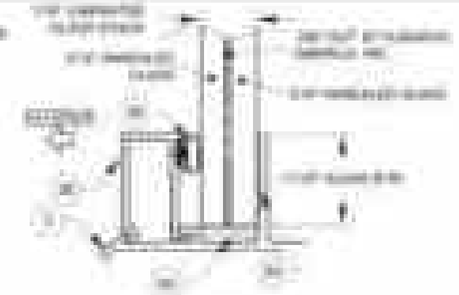
TABLE 1

Glass Types	Sheet #
1	6
2	6
3	7
4	8
5	8
6	8

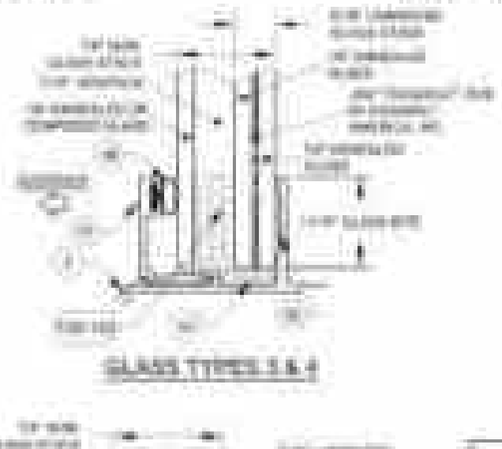
"EVA" - "SAFLEX" - PVB BY KURARAY AMERICA INC.
"SGP" INTERLAYER" BY KURARAY AMERICA INC.



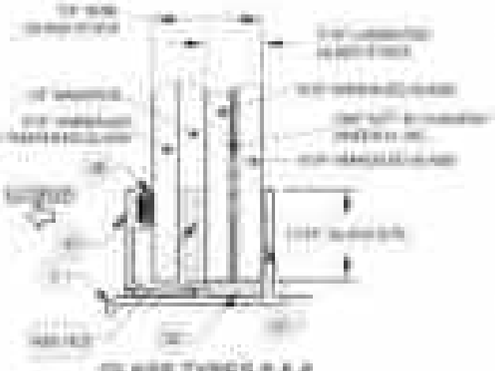
GLASS TYPE 1



GLASS TYPE 2



GLASS TYPES 3 & 4



GLASS TYPES 5 & 6

CODES & STANDARDS USED
2023 FLORIDA BUILDING CODE (FBC) - 8TH EDITION
2023 FLORIDA BUILDING CODE (FBC) - 7TH EDITION
ASTM E1300-09
AMERICAN INSTITUTE OF STEEL CONSTRUCTION
ALUMINUM DESIGN MANUAL, ADM-2020
AWS D1.6/D1.6M
AISC 360-16

PRODUCT REVISED
in complying with the Florida Building Code
NOA No. FL10615.10
Expiration Date 04.11.2028
By
Miami-Dade Product Control

PGT
Custom Windows & Doors
2300 Textron Blvd
N. Venice, FL 34275
(941) 480-1600

REGISTRATION #40026

AWNING WINDOW (LM)	8/8/12	
GENERAL NOTES & ELEVATION	JOHN ROSOWSKI	
UPDATE TO FBC 2023-AM	09/04/23	
AW-740	1 OF 11	MD-AW740LM

ULTRATECH INTERNATIONAL LLC
P.O. BOX 1000
STATE OF FLORIDA
PROFESSIONAL ENGINEER

INSTALLATION OPTION 1

INSTALLATION OPTION 2

INSTALLATION OPTION 3

VERTICAL SECTION B-B

HORIZONTAL SECTION A-A

NOTES:

PRODUCT REVISED
to comply with the Florida Building Code
NOA No. 22-0819.10
Expiration Date 04.11.2028
By
Miami-Dade Product Control

PGT

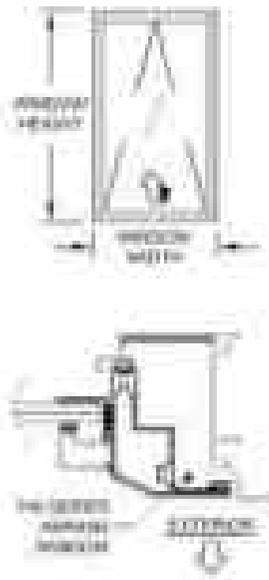
AWNING WINDOW (LIN) | 8/8/12

GENERAL NOTES & ELEVATION | JONS ROSOWSKI

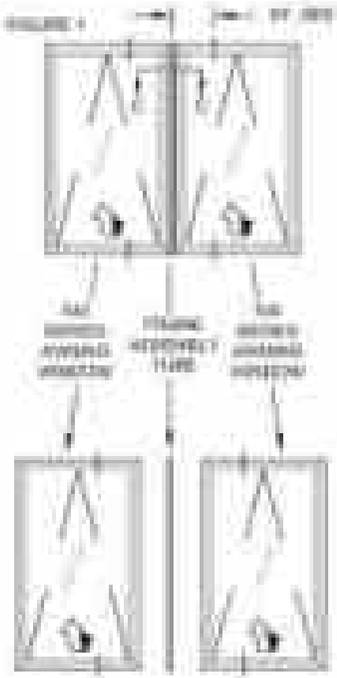
NO CHANGES IN THIS SHEET - AM | 09/04/23

AW-TW | 2 OF 11 | MD-AW7481M | F

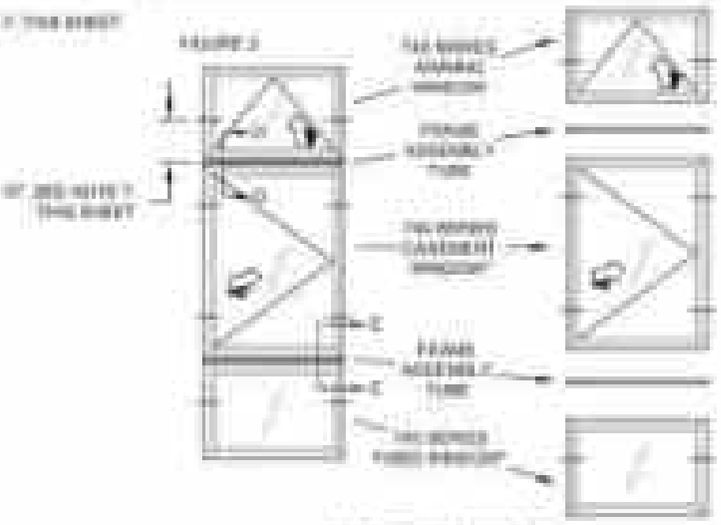
AWNING (X)

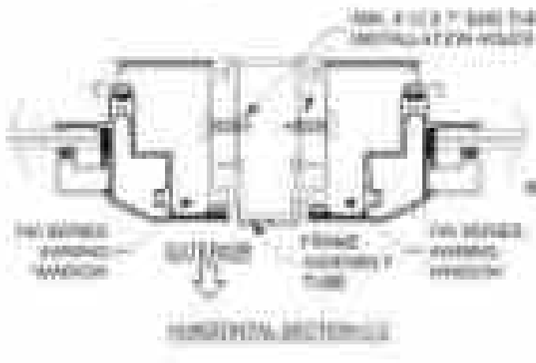


AWNING / AWNING (XX)

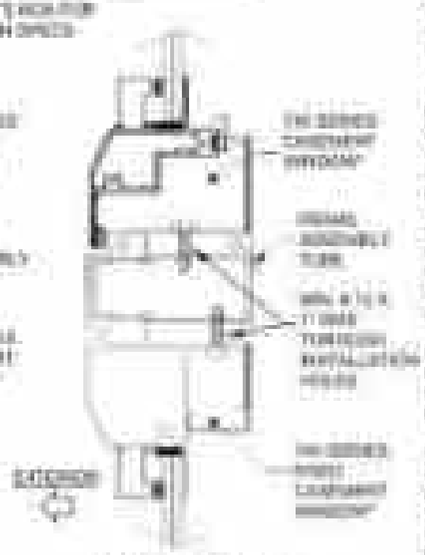


AWNING / CASEMENT / FIXED CASEMENT (XXO)









FOR SINGLE UNITS:

1) DETERMINE YOUR WINDOW SIZE AND GLASS

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

3) FROM SHEETS 5-6, FIND THE SHEET FOR YOUR GLASS TYPE. FIND THE PRODUCT'S DESIGN PRESSURE FROM THE TABLE. LINING UP THE DESIGN PRESSURE (PSF) FOR SINGLE WINDOWS, ALL ANCHOR GROUPS.

4) DIMENSIONS SHOWN ARE MINIMUM. FOR SIZES NOT SHOWN, ROUND UP TO THE NEXT AVAILABLE WIDTH OR HEIGHT DIMENSION SHOWN ON THE TABLES.

5) USING THE TABLE LABELED "WINDOW ANCHORS REQUIRED" (TAB A, C, SHEET 4), DETERMINE THE NUMBER OF ANCHORS REQUIRED IN THE HEAD, SILL AND JAMBS OF YOUR WINDOW.

6) INSTALL AS PER THE INSTRUCTIONS ON SHEETS

FOR EACH WINDOW IN A VERTICALLY OR HORIZONTALLY 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) FRAME SHEETS 5-6. FIND THE SHEET FOR YOUR GLASS TYPE.

3) FIND THE DESIGN PRESSURE FROM THE TABLES LABELED "DESIGN PRESSURE (PSF) FOR WINDOWS ATTACHED TO A VERTICAL FRAME ASSEMBLY TUBE" OR "DESIGN PRESSURE (PSF) FOR WINDOWS ATTACHED TO A HORIZONTAL FRAME ASSEMBLY TUBE" DEPENDING ON WHICH WAY THE FRAME ASSEMBLY TUBE IS ORIENTED. THIS MUST BE DONE FOR EACH WINDOW IN THE ASSEMBLY. USE THE LOWEST DESIGN PRESSURE APPLIES TO THE ENTIRE ASSEMBLY. DIMENSIONS SHOWN ARE SHOWN 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" (TABLE 3, SHEET 4), DETERMINE THE NUMBER OF ANCHORS NEEDED IN THE HEAD, SILL AND JAMBS OF YOUR WINDOW.

5) INSTALL AS PER THE INSTRUCTIONS ON SHEETS 3-4. NOTE THAT ADDITIONAL ANCHORS THROUGH THE WINDOW FRAME AND FIN SUBSTRATE MAY BE REQUIRED. SEE SHEET 3, NOTE THAT MIN. # 12 X 1" ANCHORS ARE TO BE USED THROUGH THE FRAME INTO THE FRAME ASSEMBLY TUBE (SEE DETAILS ON THIS SHEET).

FRAME ASSEMBLY TUBE NOTES:

1. DIMENSIONS SHOWN ARE WINDOW 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 TWO ADJACENT PRODUCT CLASSIFIED AWNING OR FIXED CASEMENT CAN BE ATTACHED TO THE FRAME ASSEMBLY TUBE FOR ALL WINDOWS. USE THE WINDOW'S HOR FOR HORIZONTAL SIZE AND DESIGN PRESSURE DIMENSIONS.

3. ALL WINDOWS IN THE COMBINATION UNIT MUST BE ABLE TO INDIVIDUALLY COMPLY WITH THE REQUIREMENTS OF THESE INSPECTION NOA.

4. FRAME ASSEMBLY TUBE TO BE FASTENING TO WINDOW AS SHOWN IN DETAILS. WITH MIN. #12 X 1" SHEET METAL SCREWS. USE THE SAME SPACING AND QUANTITY AS THE OPPOSITE FRAME ASSEMBLY.

5. THE FRAME ASSEMBLY TUBE MAY NOT EXCEED 10' IN LENGTH OR USED IN A 6' TOWER WINDOW OR BE USED IN THE ON GRADE 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 COMBINATIONS, ADDITIONAL INSTALLATION MEANS MAY NEED TO BE INSTALLED THROUGH THE WINDOW FRAMES AT OR NEAR PROJECTIONS OF THE FRAME ASSEMBLY TUBE CENTERLINE SEE TABLE BELOW.

	Window Model	Anchor Type			
		A	B	C	D
Vertical	XO - 2070	4		10	
	XO - 3070	4		10	
	XO - 4070	4		10	
Horizontal	Window Model	Anchor Type			
		A	B	C	D
	XO - 2070	4		10	
	XO - 3070	4		10	

PRODUCT REVISED
as complying with the Florida Building Code
NOA No. 23.0815.18
Expiration Date: 04.11.2028
By:
Miami-Dade Product Control

F.) NO CHANGES IN THIS SHEET. AM

	REVISED	AM
	REVISED	
	REVISED	
	REVISED	
	REVISED	

PGT

AWNING WINDOW (LM)
FRAME ASSEMBLY TUBE DETAILS

SCALE: AS NOTED
DRAWN BY: [illegible]
DATE: [illegible]
SHEET NO. A5-1.03
REVISION: 1

STATE OF FLORIDA
PROFESSIONAL ENGINEER

TABLE 1

Window Anchors Required

		Window Width (in.)											
		Under 24"	24.1 to 36"	36.1 to 48"	48.1 to 60"	60.1 to 72"	72.1 to 84"	84.1 to 96"	96.1 to 108"	108.1 to 120"	120.1 to 132"	132.1 to 144"	144.1 to 156"
		Number / Group	Number / Group	Number / Group	Number / Group	Number / Group	Number / Group	Number / Group	Number / Group	Number / Group	Number / Group	Number / Group	Number / Group
		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	A B C D	A B C D	A B C D
Window Height (in.)	Under 21"												
	21.1 to 37"												
	37.1 to 45"												
	45.1 to 53"												
	53.1 to 61"												
	61.1 to 69"												
	69.1 to 77"												
	77.1 to 85"												
	85.1 to 93"												
	93.1 to 101"												
	101.1 to 109"												
	109.1 to 117"												
	117.1 to 125"												
	125.1 to 133"												
	133.1 to 141"												
	141.1 to 149"												
	149.1 to 157"												
	157.1 to 165"												

USE THIS TABLE FOR ALL WINDOWS AND TILE ELEVATIONS EXCEPT THOSE SIZES AND ASSIGNATIONS LISTED FOR SIZES NOT SHOWN ABOVE OR LISTED AS NOT ALLOWED. REFER TO NOTES FOR ADDITIONAL INFORMATION AND TILE TABLE.

TABLE 2

Group	Anchor	Substrate	Min. Edge Distance	Max. O.C. Spacing	Min. Embedment	Anchor Plate Required?
A	#12 Hwh SDS (.22 in dia) #14 (.27 in dia)	2" Wood	3/8"	16"	1 1/4"	No
		8" CMU	3/8"	8"	1 1/4"	No
		8" Concrete	3/8"	8"	1 1/4"	No
		Min 2" Wood, 8" CMU	3/8"	8"	1 1/4" / 1 1/4"	No
	1/4" steel (Masonry)	2" Concrete	1"	8"	1 1/4"	No
		8" Concrete	1"	8"	1 1/4"	No
		8" CMU	1"	8"	1 1/4"	No
B	1/4" steel (Masonry)	2" Concrete	1"	8"	1 1/4"	No
		8" Concrete	1"	8"	1 1/4"	No
		8" CMU	1"	8"	1 1/4"	No
C	3/8" steel (Masonry)	2" Concrete	1"	8"	1 1/4"	No
		8" Concrete	1"	8"	1 1/4"	No
		8" CMU	1"	8"	1 1/4"	No
	1/4" x 3" SS Lag/Tap	2" Concrete	1"	8"	1 1/4"	No
		8" Concrete	1"	8"	1 1/4"	No
		8" CMU	1"	8"	1 1/4"	No
D	#12 Hwh SDS (.22 in dia) #14 (.27 in dia) Min 4 SDS (.22 in dia) #14 (.27 in dia) SDS	2" Wood	3/8"	16"	1 1/4"	No
		8" CMU	3/8"	8"	1 1/4"	No
		8" Concrete	3/8"	8"	1 1/4"	No
		Min 2" Wood, 8" CMU	3/8"	8"	1 1/4" / 1 1/4"	No
	1/4" x 3" SS Lag/Tap	2" Concrete	1"	8"	1 1/4"	No
		8" Concrete	1"	8"	1 1/4"	No
		8" CMU	1"	8"	1 1/4"	No
	3/8" steel (Masonry)	2" Concrete	1"	8"	1 1/4"	No
		8" Concrete	1"	8"	1 1/4"	No
		8" CMU	1"	8"	1 1/4"	No
	1/4" steel (Masonry)	2" Concrete	1"	8"	1 1/4"	No
		8" Concrete	1"	8"	1 1/4"	No
		8" CMU	1"	8"	1 1/4"	No

1) ANCHOR SHALL NOT BE INSTALLED IN MORTAR OR GROUT FILLED CELLS OR CORES OF CONCRETE MASONRY UNITS.
2) ANCHOR SHALL BE INSTALLED IN THE CENTER OF THE MINIMUM EDGE DISTANCE SPACE.
3) ANCHOR SHALL BE INSTALLED PERPENDICULAR TO THE SURFACE OF THE SUBSTRATE.
4) FOR STEEL STUDS: MIN 33 ksi STEEL, MIN 20 GA THICKNESS.

EXAMPLE 1: FOR AN OPEN CONDITION SHOWN BELOW, TYP. VARIABLE OR LAMINATED GLASS, UP WINDOW HAS NO CONCRETE OR CMU SUBSTRATE

ANCHOR REQUIRED:
a) FROM TABLE 1: ANCHORS A, B, D ALL OVER A 20'-0" (240") WALL

b) FOR THE JAMB FROM TABLE 2, ANCHORS IN GROUP C HAVE THE ANCHOR AND SUBSTRATE DEPTH REQUIRED, AND DOES NOT REQUIRE THE ANCHOR PLATE IF USING THE CRETOFLEX ANCHOR.

c) FROM TABLE 2: 4 ANCHORS ARE REQUIRED FOR EACH JAMB

d) SIMILARLY, 3 ANCHORS ARE REQUIRED IN THE HEAD & SILL

e) DISTRIBUTE ANCHORS FOLLOWING GUIDELINES FROM ELEVATION ON SHEET 1

f) PER NOTE 5A OR NOTE 5 & 7, INSTALL 1 ADDITIONAL ANCHOR ON THE FRAME ASSEMBLY TUBE SIDE OF THE JAMB(S) AND HEAD & SILL

FIXED CASEMENT WINDOWS
a) FROM TABLE 1: A 24" X 61" FIXED CASEMENT WINDOW AND A DESIGN PRESSURE EXCEEDING THE REQUIREMENT OF +/-50 PSF(SEE ENGINEERING CRITERIA)

b) FOR THE JAMB FROM TABLE 2, ANCHOR TYPE C HAS THE ANCHOR AND SUBSTRATE DEPTH REQUIRED, AND DOES NOT REQUIRE THE ANCHOR PLATE IF USING THE CRETOFLEX ANCHOR.

c) FROM TABLE 2A, 4 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

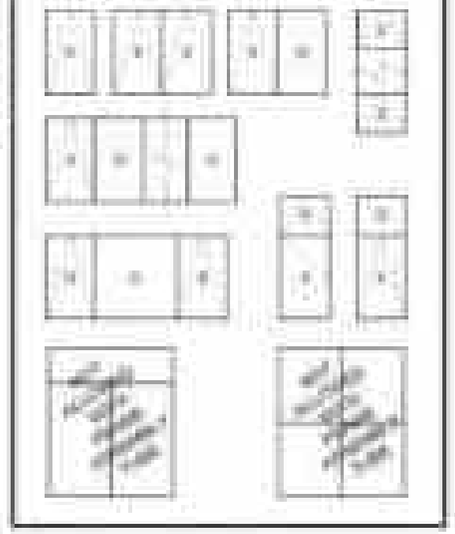
f) PER NOTES ON SHEET 5, INSTALL 1 ADDITIONAL ANCHOR ON THE FRAME ASSEMBLY TUBE SIDE OF THE FIXED CASEMENT HEAD & SILL

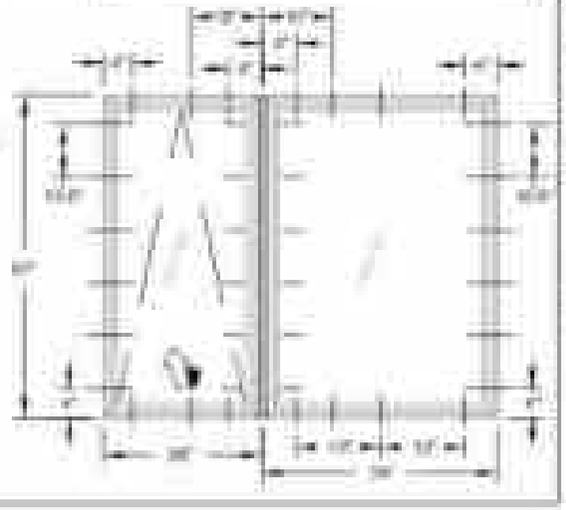
Material	Min. "c"	Min. "d"
Steel (min. 33 ksi)	3/4" (19 mm)	1 1/4" (32 mm)
Wood (SG=0.42)	3" (76 mm)	1 1/2" (38 mm)
Wood (SG=0.50)	3" (76 mm)	1 1/2" (38 mm)
Concrete (f'c=2,500 psi)	3" (76 mm)	1 1/2" (38 mm)
Concrete (f'c=3,000 psi)	2 1/2" (64 mm)	1 1/2" (38 mm)
Concrete (f'c=4,000 psi)	2 1/2" (64 mm)	1 1/2" (38 mm)
Concrete (f'c=5,000 psi)	2 1/2" (64 mm)	1 1/2" (38 mm)
Concrete (f'c=6,000 psi)	2 1/2" (64 mm)	1 1/2" (38 mm)
Concrete (f'c=7,000 psi)	2 1/2" (64 mm)	1 1/2" (38 mm)
Concrete (f'c=8,000 psi)	2 1/2" (64 mm)	1 1/2" (38 mm)
Concrete (f'c=9,000 psi)	2 1/2" (64 mm)	1 1/2" (38 mm)
Concrete (f'c=10,000 psi)	2 1/2" (64 mm)	1 1/2" (38 mm)
Concrete (f'c=11,000 psi)	2 1/2" (64 mm)	1 1/2" (38 mm)
Concrete (f'c=12,000 psi)	2 1/2" (64 mm)	1 1/2" (38 mm)

TABLE 4

Head Brother Locations

Glass Type	
Wind Zones 1, 2 & 3	Wind Zone 4
Head Brother	Head Brother (Not required for Wind Zone 4)





PRODUCT REVISED
In complying with the Florida Building Code
NOA No. 23-0818.15
Expiration Date 04/11/2028
By Miami-Dade Product Control

F) REMOVED UL FRAGON FROM ANCHOR TABLES

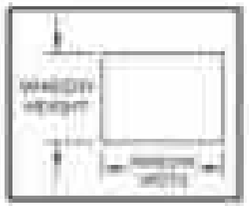
FOR GLASS TYPES:

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

TYPE "RESPICE" FILM BY SOLUTIA / AMERICA INC.

TABLE 3

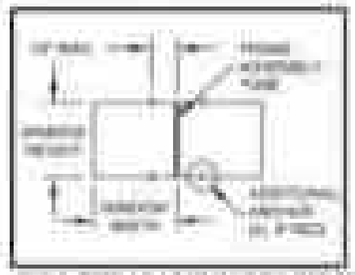
	Design Pressure (psf) for Single Hardware, All Active Vents									
	Window Width									
	Active: 23"	Active: 31 1/2"	Active: 39 1/4"	Active: 47"	Active: 54"	Active: 62 3/4"	Active: 70 1/2"	Active: 78"	Active: 85 3/4"	Active: 93 1/2"
Window Height	Fixed: 47"	Fixed: 63"	Fixed: 79"	Fixed: 95"	Fixed: 111"	Fixed: 127"	Fixed: 143"	Fixed: 159"	Fixed: 175"	Fixed: 191"
23"	+50 / -50	+50 / -50	+50 / -50	+50 / -50	+50 / -50	+50 / -50	+50 / -50	+50 / -50	+50 / -50	+50 / -50
31 1/2"	+50 / -50	+50 / -50	+50 / -50	+50 / -50	+50 / -50	+50 / -50	+50 / -50	+50 / -50	+50 / -50	+50 / -50
39 1/4"	+50 / -50	+50 / -50	+50 / -50	+50 / -50	+50 / -50	+50 / -50	+50 / -50	+50 / -50	+50 / -50	+50 / -50
47"	+50 / -50	+50 / -50	+50 / -50	+50 / -50	+50 / -50	+50 / -50	+50 / -50	+50 / -50	+50 / -50	+50 / -50
54"	+50 / -50	+50 / -50	+50 / -50	+50 / -50	+50 / -50	+50 / -50	+50 / -50	+50 / -50	+50 / -50	+50 / -50
62 3/4"	+50 / -50	+50 / -50	+50 / -50	+50 / -50	+50 / -50	+50 / -50	+50 / -50	+50 / -50	+50 / -50	+50 / -50
70 1/2"	+50 / -50	+50 / -50	+50 / -50	+50 / -50	+50 / -50	+50 / -50	+50 / -50	+50 / -50	+50 / -50	+50 / -50
78"	+50 / -50	+50 / -50	+50 / -50	+50 / -50	+50 / -50	+50 / -50	+50 / -50	+50 / -50	+50 / -50	+50 / -50
85 3/4"	+50 / -50	+50 / -50	+50 / -50	+50 / -50	+50 / -50	+50 / -50	+50 / -50	+50 / -50	+50 / -50	+50 / -50
93 1/2"	+50 / -50	+50 / -50	+50 / -50	+50 / -50	+50 / -50	+50 / -50	+50 / -50	+50 / -50	+50 / -50	+50 / -50



SEE SHEETS 1 & 4 FOR WINDOW ANCHOR LOCATIONS AND QUANTITIES.

TABLE 3

	Design Pressure (psf) for Window Anchor (L) Interior Frame Assembly Only																							
	Window Width																							
	Active: 23"				Active: 31 1/2"				Active: 39 1/4"				Active: 47"				Active: 54"				Active: 62 3/4"		Active: 70 1/2"	Active: 78"
Window Height	Fixed: 47"				Fixed: 63"				Fixed: 79"				Fixed: 95"				Fixed: 111"				Fixed: 127"		Fixed: 143"	Fixed: 159"
	A	B	C	D	A	B	C	D	A	B	C	D	A	B	C	D	A	B	C	D	A	B	A	A
23"	+50 / -50	+50 / -50	+50 / -50	+50 / -50	+50 / -50	+50 / -50	+50 / -50	+50 / -50	+50 / -50	+50 / -50	+50 / -50	+50 / -50	+50 / -50	+50 / -50	+50 / -50	+50 / -50	+50 / -50	+50 / -50	+50 / -50	+50 / -50	+50 / -50	+50 / -50	+50 / -50	+50 / -50
31 1/2"	+50 / -50	+50 / -50	+50 / -50	+50 / -50	+50 / -50	+50 / -50	+50 / -50	+50 / -50	+50 / -50	+50 / -50	+50 / -50	+50 / -50	+50 / -50	+50 / -50	+50 / -50	+50 / -50	+50 / -50	+50 / -50	+50 / -50	+50 / -50	+50 / -50	+50 / -50	+50 / -50	+50 / -50
39 1/4"	+50 / -50	+50 / -50	+50 / -50	+50 / -50	+50 / -50	+50 / -50	+50 / -50	+50 / -50	+50 / -50	+50 / -50	+50 / -50	+50 / -50	+50 / -50	+50 / -50	+50 / -50	+50 / -50	+50 / -50	+50 / -50	+50 / -50	+50 / -50	+50 / -50	+50 / -50	+50 / -50	+50 / -50
47"	+50 / -50	+50 / -50	+50 / -50	+50 / -50	+50 / -50	+50 / -50	+50 / -50	+50 / -50	+50 / -50	+50 / -50	+50 / -50	+50 / -50	+50 / -50	+50 / -50	+50 / -50	+50 / -50	+50 / -50	+50 / -50	+50 / -50	+50 / -50	+50 / -50	+50 / -50	+50 / -50	+50 / -50
54"	+50 / -50	+50 / -50	+50 / -50	+50 / -50	+50 / -50	+50 / -50	+50 / -50	+50 / -50	+50 / -50	+50 / -50	+50 / -50	+50 / -50	+50 / -50	+50 / -50	+50 / -50	+50 / -50	+50 / -50	+50 / -50	+50 / -50	+50 / -50	+50 / -50	+50 / -50	+50 / -50	+50 / -50
62 3/4"	+50 / -50	+50 / -50	+50 / -50	+50 / -50	+50 / -50	+50 / -50	+50 / -50	+50 / -50	+50 / -50	+50 / -50	+50 / -50	+50 / -50	+50 / -50	+50 / -50	+50 / -50	+50 / -50	+50 / -50	+50 / -50	+50 / -50	+50 / -50	+50 / -50	+50 / -50	+50 / -50	+50 / -50
70 1/2"	+50 / -50	+50 / -50	+50 / -50	+50 / -50	+50 / -50	+50 / -50	+50 / -50	+50 / -50	+50 / -50	+50 / -50	+50 / -50	+50 / -50	+50 / -50	+50 / -50	+50 / -50	+50 / -50	+50 / -50	+50 / -50	+50 / -50	+50 / -50	+50 / -50	+50 / -50	+50 / -50	+50 / -50
78"	+50 / -50	+50 / -50	+50 / -50	+50 / -50	+50 / -50	+50 / -50	+50 / -50	+50 / -50	+50 / -50	+50 / -50	+50 / -50	+50 / -50	+50 / -50	+50 / -50	+50 / -50	+50 / -50	+50 / -50	+50 / -50	+50 / -50	+50 / -50	+50 / -50	+50 / -50	+50 / -50	+50 / -50
85 3/4"	+50 / -50	+50 / -50	+50 / -50	+50 / -50	+50 / -50	+50 / -50	+50 / -50	+50 / -50	+50 / -50	+50 / -50	+50 / -50	+50 / -50	+50 / -50	+50 / -50	+50 / -50	+50 / -50	+50 / -50	+50 / -50	+50 / -50	+50 / -50	+50 / -50	+50 / -50	+50 / -50	+50 / -50
93 1/2"	+50 / -50	+50 / -50	+50 / -50	+50 / -50	+50 / -50	+50 / -50	+50 / -50	+50 / -50	+50 / -50	+50 / -50	+50 / -50	+50 / -50	+50 / -50	+50 / -50	+50 / -50	+50 / -50	+50 / -50	+50 / -50	+50 / -50	+50 / -50	+50 / -50	+50 / -50	+50 / -50	+50 / -50



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

TABLE 3

	Design Pressure (psf) for Window Anchor (L) Interior Frame Assembly Only																							
	Window Width																							
	Active: 23"				Active: 31 1/2"				Active: 39 1/4"				Active: 47"				Active: 54"				Active: 62 3/4"		Active: 70 1/2"	Active: 78"
Window Height	Fixed: 47"				Fixed: 63"				Fixed: 79"				Fixed: 95"				Fixed: 111"				Fixed: 127"		Fixed: 143"	Fixed: 159"
	A	B	C	D	A	B	C	D	A	B	C	D	A	B	C	D	A	B	C	D	A	B	A	A
23"	+50 / -50	+50 / -50	+50 / -50	+50 / -50	+50 / -50	+50 / -50	+50 / -50	+50 / -50	+50 / -50	+50 / -50	+50 / -50	+50 / -50	+50 / -50	+50 / -50	+50 / -50	+50 / -50	+50 / -50	+50 / -50	+50 / -50	+50 / -50	+50 / -50	+50 / -50	+50 / -50	+50 / -50
31 1/2"	+50 / -50	+50 / -50	+50 / -50	+50 / -50	+50 / -50	+50 / -50	+50 / -50	+50 / -50	+50 / -50	+50 / -50	+50 / -50	+50 / -50	+50 / -50	+50 / -50	+50 / -50	+50 / -50	+50 / -50	+50 / -50	+50 / -50	+50 / -50	+50 / -50	+50 / -50	+50 / -50	+50 / -50
39 1/4"	+50 / -50	+50 / -50	+50 / -50	+50 / -50	+50 / -50	+50 / -50	+50 / -50	+50 / -50	+50 / -50	+50 / -50	+50 / -50	+50 / -50	+50 / -50	+50 / -50	+50 / -50	+50 / -50	+50 / -50	+50 / -50	+50 / -50	+50 / -50	+50 / -50	+50 / -50	+50 / -50	+50 / -50
47"	+50 / -50	+50 / -50	+50 / -50	+50 / -50	+50 / -50	+50 / -50	+50 / -50	+50 / -50	+50 / -50	+50 / -50	+50 / -50	+50 / -50	+50 / -50	+50 / -50	+50 / -50	+50 / -50	+50 / -50	+50 / -50	+50 / -50	+50 / -50	+50 / -50	+50 / -50	+50 / -50	+50 / -50
54"	+50 / -50	+50 / -50	+50 / -50	+50 / -50	+50 / -50	+50 / -50	+50 / -50	+50 / -50	+50 / -50	+50 / -50	+50 / -50	+50 / -50	+50 / -50	+50 / -50	+50 / -50	+50 / -50	+50 / -50	+50 / -50	+50 / -50	+50 / -50	+50 / -50	+50 / -50	+50 / -50	+50 / -50
62 3/4"	+50 / -50	+50 / -50	+50 / -50	+50 / -50	+50 / -50	+50 / -50	+50 / -50	+50 / -50	+50 / -50	+50 / -50	+50 / -50	+50 / -50	+50 / -50	+50 / -50	+50 / -50	+50 / -50	+50 / -50	+50 / -50	+50 / -50	+50 / -50	+50 / -50	+50 / -50	+50 / -50	+50 / -50
70 1/2"	+50 / -50	+50 / -50	+50 / -50	+50 / -50	+50 / -50	+50 / -50	+50 / -50	+50 / -50	+50 / -50	+50 / -50	+50 / -50	+50 / -50	+50 / -50	+50 / -50	+50 / -50	+50 / -50	+50 / -50	+50 / -50	+50 / -50	+50 / -50	+50 / -50	+50 / -50	+50 / -50	+50 / -50
78"	+50 / -50	+50 / -50	+50 / -50	+50 / -50	+50 / -50	+50 / -50	+50 / -50	+50 / -50	+50 / -50	+50 / -50	+50 / -50	+50 / -50	+50 / -50	+50 / -50	+50 / -50	+50 / -50	+50 / -50	+50 / -50	+50 / -50	+50 / -50	+50 / -50	+50 / -50	+50 / -50	+50 / -50
85 3/4"	+50 / -50	+50 / -50	+50 / -50	+50 / -50	+50 / -50	+50 / -50	+50 / -50	+50 / -50	+50 / -50	+50 / -50	+50 / -50	+50 / -50	+50 / -50	+50 / -50	+50 / -50	+50 / -50	+50 / -50	+50 / -50	+50 / -50	+50 / -50	+50 / -50	+50 / -50	+50 / -50	+50 / -50
93 1/2"	+50 / -50	+50 / -50	+50 / -50	+50 / -50	+50 / -50	+50 / -50	+50 / -50	+50 / -50	+50 / -50	+50 / -50	+50 / -50	+50 / -50	+50 / -50	+50 / -50	+50 / -50	+50 / -50	+50 / -50	+50 / -50	+50 / -50	+50 / -50	+50 / -50	+50 / -50	+50 / -50	+50 / -50



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

NOTES:

1. SEE SHEET 1 FOR ADDITIONAL SHEETS (CONTENTS) AND
2. SEE SHEET 4 FOR ANCHOR REQUIREMENTS.

PRODUCT REVISED
as complying with the Florida Building Code
RER No. 13-0618.10
Expiration Date 04.11.2028
By
Miami-Dade Product Control

F.) NO CHANGES IN THIS SHEET.

PGT

PGT WINDOWS (LM)
1070 TECHNOLOGY DRIVE
NORTH VENICE, FL 34275

WINDOW SYSTEMS

DESIGN PRESSURES PER CLADDING TYPE

DRAWING NO. 4 OF 5

SCALE: 1/4" = 1'-0"

DRAWN BY: MS

DATE: 04/15/13

REVISIONS

NO.	DESCRIPTION	DATE
1	REVISED PER FBC	04/15/13

STATE OF FLORIDA
PROFESSIONAL ENGINEER
No. 59705

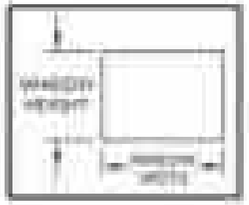
FOR GLASS TYPES:

2) 7/16" LAMI (3/16" AN - .090" SG - 3/16" AN)

"SGP" EDGEGLASS BY KURARAY AMERICA INC.

TABLE A

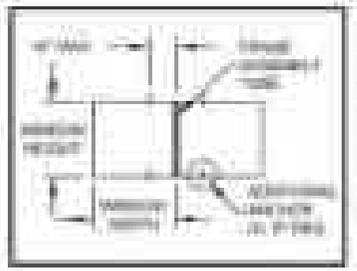
	Design Pressure (psf) for Single Hardware, 46 Screw Version										
	Window Width										
	24"	30"	36"	42"	48"	54"	60"	66"	72"	78"	84"
24"											
30"											
36"											
42"											
48"											
54"											
60"											
66"											
72"											
78"											
84"											



SEE SHEETS 1 & 4 FOR WINDOW ANCHOR LOCATIONS AND QUANTITIES.

TABLE B

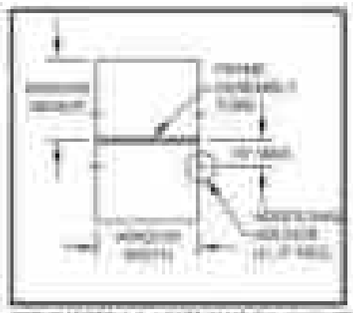
	Design Pressure (psf) for Window Attached to Vertical Frame Assembly Tube																							
	Window Width																							
	24"				30"			36"			42"			48"			54"			60"			66"		
	Anchor Group				Anchor Group			Anchor Group			Anchor Group			Anchor Group			Anchor Group			Anchor Group			Anchor Group		
	A	B	C	D	A	B	C	A	B	C	A	B	C	A	B	C	A	B	C	D	A	B	C	A	B	C
24"																										
30"																										
36"																										
42"																										
48"																										
54"																										
60"																										
66"																										
72"																										
78"																										
84"																										



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

TABLE C

	Design Pressure (psf) for Window Attached to Vertical Frame Assembly Tube																							
	Window Width																							
	24" Anchor Group		30" Anchor Group		36" Anchor Group		42" Anchor Group			48" Anchor Group			54" Anchor Group			60" Anchor Group				66" Anchor Group			
	A	B	A	B	A	B	C	A	B	C	A	B	C	A	B	C	A	B	C	D	A	B	C	D
24"																								
30"																								
36"																								
42"																								
48"																								
54"																								
60"																								
66"																								
72"																								
78"																								
84"																								



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

NOTES:
1) SEE SHEET 1 FOR ADDITIONAL SHEETS CONTAINED IN THIS SET.
2) SEE SHEET 4 FOR WINDOW INSTALLATION REQUIREMENTS.

PRODUCT REVISED
as complying with the Florida Building Code.
Miami-Dade Product Control Section
Miami-Dade Notice of Acceptance No.: 22-0615.15
Expiration Date: 04.11.2026
By: [illegible]

F.) NO CHANGES IN THIS SHEET.

1	11.4.25	F.)
0	4.11.22	INITIAL RELEASE

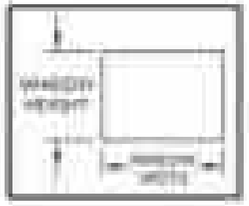
PGT WINDOWS (US)
DESIGN PRESSURE (DP) CHARACTERISTICS
SINGLE HUNG
SERIES: WINGUARD
DRAWING NO.: SH-WINGUARD-DP
SCALE: NTS
SHEET NO.: 2 OF 4

STATE OF FLORIDA
PROFESSIONAL ENGINEER

FOR GLASS TYPES:

3) 7/8" LAMI. IG: (1/8" AN - 7/16" AIR - 1/8" AN - .090" PVB - 1/8" AN)

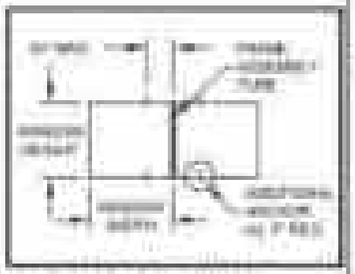
*PVB = TROSIFOL PVB BY KURARAY AMERICA, INC.



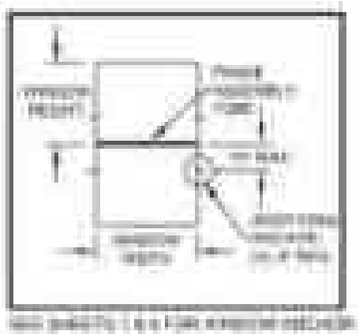
SEE SHEETS 1 & 4 FOR WINDOW ANCHOR LOCATIONS AND QUANTITIES

PRODUCT REVISED
as complying with the Florida Building Code
NOA No.: 22-0818.16
Expiration Date: 04.11.2028
By
Miami-Dade Product Control

F.) NO CHANGES IN THIS SHEET.



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



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

PGT WINDOWS (UK)

DESIGN PRESSURE (DP) RATING

REVISIONS

NOTES:
1. SEE SHEET 1 FOR ADDITIONAL GENERAL CONSTRUCTION NOTES.
2. SEE SHEET 4 FOR GLAZING REQUIREMENTS.

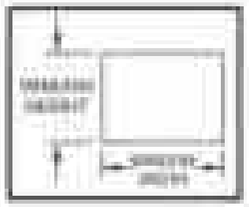
TABLE 1A

	Design Pressure and Air Infiltration Air Source Design									
	Window Size									
	Width (W)	20" (0.508)	23" (0.584)	24" (0.610)	27" (0.686)	28" (0.711)	30" (0.762)	32" (0.813)	36" (0.914)	40" (1.016)
Height (H)										
Glass Type										
4 MM TP	14" (0.356)	14" (0.356)	14" (0.356)	14" (0.356)	14" (0.356)	14" (0.356)	14" (0.356)	14" (0.356)	14" (0.356)	14" (0.356)
5/32 TP	17" (0.432)	17" (0.432)	17" (0.432)	17" (0.432)	17" (0.432)	17" (0.432)	17" (0.432)	17" (0.432)	17" (0.432)	17" (0.432)
3/8" TP	17" (0.432)	17" (0.432)	17" (0.432)	17" (0.432)	17" (0.432)	17" (0.432)	17" (0.432)	17" (0.432)	17" (0.432)	17" (0.432)
7/16" TP	17" (0.432)	17" (0.432)	17" (0.432)	17" (0.432)	17" (0.432)	17" (0.432)	17" (0.432)	17" (0.432)		
1/2" TP	17" (0.432)	17" (0.432)	17" (0.432)	17" (0.432)	17" (0.432)	17" (0.432)				
4 MM TP	17" (0.432)	17" (0.432)	17" (0.432)	17" (0.432)	17" (0.432)	17" (0.432)				
5/32 TP	17" (0.432)	17" (0.432)	17" (0.432)	17" (0.432)	17" (0.432)					
3/8" TP	17" (0.432)	17" (0.432)	17" (0.432)	17" (0.432)						
7/16" TP	17" (0.432)	17" (0.432)	17" (0.432)							
1/2" TP	17" (0.432)	17" (0.432)	17" (0.432)							

FOR GLASS TYPES:

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

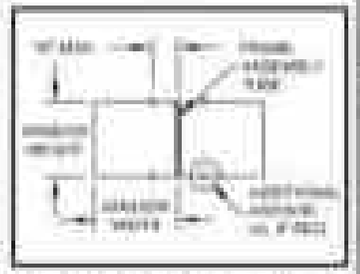
*PVB = (TROSIFOL® PVB BY KURARAY AMERICA, INC.)



SEE SHEETS 1 & 4 FOR WINDOW MEMBER LOCATIONS AND QUANTITIES

TABLE 1B

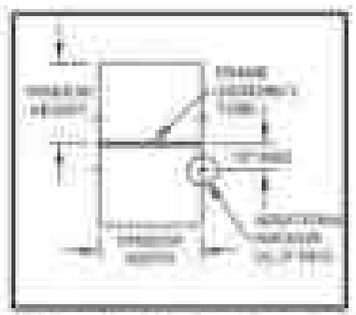
	Design Pressure and Air Infiltration Air Source Design																					
	Window Size																					
	Width (W)	20" (0.508)		23" (0.584)		24" (0.610)		27" (0.686)		28" (0.711)		30" (0.762)		32" (0.813)		36" (0.914)		40" (1.016)		42" (1.067)		48" (1.219)
	Height (H)	Active Stack		Active Stack		Active Stack		Active Stack		Active Stack		Active Stack		Active Stack		Active Stack		Active Stack		Active Stack		Active Stack
		A	B	A	B	A	B	A	B	A	B	A	B	A	B	A	B	A	B	A	B	A
Glass Type																						
4 MM TP	14" (0.356)	14" (0.356)	14" (0.356)	14" (0.356)	14" (0.356)	14" (0.356)	14" (0.356)	14" (0.356)	14" (0.356)	14" (0.356)	14" (0.356)	14" (0.356)	14" (0.356)	14" (0.356)	14" (0.356)	14" (0.356)	14" (0.356)	14" (0.356)	14" (0.356)	14" (0.356)	14" (0.356)	14" (0.356)	14" (0.356)
5/32 TP	17" (0.432)	17" (0.432)	17" (0.432)	17" (0.432)	17" (0.432)	17" (0.432)	17" (0.432)	17" (0.432)	17" (0.432)	17" (0.432)	17" (0.432)	17" (0.432)	17" (0.432)	17" (0.432)	17" (0.432)	17" (0.432)	17" (0.432)	17" (0.432)	17" (0.432)	17" (0.432)	17" (0.432)	17" (0.432)	17" (0.432)
3/8" TP	17" (0.432)	17" (0.432)	17" (0.432)	17" (0.432)	17" (0.432)	17" (0.432)	17" (0.432)	17" (0.432)	17" (0.432)	17" (0.432)	17" (0.432)	17" (0.432)	17" (0.432)	17" (0.432)	17" (0.432)	17" (0.432)	17" (0.432)	17" (0.432)	17" (0.432)	17" (0.432)	17" (0.432)	17" (0.432)	17" (0.432)
7/16" TP	17" (0.432)	17" (0.432)	17" (0.432)	17" (0.432)	17" (0.432)	17" (0.432)	17" (0.432)	17" (0.432)	17" (0.432)	17" (0.432)	17" (0.432)	17" (0.432)	17" (0.432)	17" (0.432)	17" (0.432)	17" (0.432)	17" (0.432)	17" (0.432)	17" (0.432)	17" (0.432)	17" (0.432)	17" (0.432)	17" (0.432)
1/2" TP	17" (0.432)	17" (0.432)	17" (0.432)	17" (0.432)	17" (0.432)	17" (0.432)	17" (0.432)	17" (0.432)	17" (0.432)	17" (0.432)	17" (0.432)	17" (0.432)	17" (0.432)	17" (0.432)	17" (0.432)	17" (0.432)	17" (0.432)	17" (0.432)	17" (0.432)	17" (0.432)	17" (0.432)	17" (0.432)	17" (0.432)
4 MM TP	17" (0.432)	17" (0.432)	17" (0.432)	17" (0.432)	17" (0.432)	17" (0.432)	17" (0.432)	17" (0.432)	17" (0.432)	17" (0.432)	17" (0.432)	17" (0.432)	17" (0.432)	17" (0.432)	17" (0.432)	17" (0.432)	17" (0.432)	17" (0.432)	17" (0.432)	17" (0.432)	17" (0.432)	17" (0.432)	17" (0.432)
5/32 TP	17" (0.432)	17" (0.432)	17" (0.432)	17" (0.432)	17" (0.432)	17" (0.432)	17" (0.432)	17" (0.432)	17" (0.432)	17" (0.432)	17" (0.432)	17" (0.432)	17" (0.432)	17" (0.432)	17" (0.432)	17" (0.432)	17" (0.432)	17" (0.432)	17" (0.432)	17" (0.432)	17" (0.432)	17" (0.432)	17" (0.432)
3/8" TP	17" (0.432)	17" (0.432)	17" (0.432)	17" (0.432)	17" (0.432)	17" (0.432)	17" (0.432)	17" (0.432)	17" (0.432)	17" (0.432)	17" (0.432)	17" (0.432)	17" (0.432)	17" (0.432)	17" (0.432)	17" (0.432)	17" (0.432)	17" (0.432)	17" (0.432)	17" (0.432)	17" (0.432)	17" (0.432)	17" (0.432)
7/16" TP	17" (0.432)	17" (0.432)	17" (0.432)	17" (0.432)	17" (0.432)	17" (0.432)	17" (0.432)	17" (0.432)	17" (0.432)	17" (0.432)	17" (0.432)	17" (0.432)	17" (0.432)	17" (0.432)	17" (0.432)	17" (0.432)	17" (0.432)	17" (0.432)	17" (0.432)	17" (0.432)	17" (0.432)	17" (0.432)	17" (0.432)
1/2" TP	17" (0.432)	17" (0.432)	17" (0.432)	17" (0.432)	17" (0.432)	17" (0.432)	17" (0.432)	17" (0.432)	17" (0.432)	17" (0.432)	17" (0.432)	17" (0.432)	17" (0.432)	17" (0.432)	17" (0.432)	17" (0.432)	17" (0.432)	17" (0.432)	17" (0.432)	17" (0.432)	17" (0.432)	17" (0.432)	17" (0.432)



SEE SHEETS 1 & 4 FOR WINDOW MEMBER LOCATIONS AND QUANTITIES SEE SHEET 5 FOR ANY ADDITIONAL ANCHORS REQUIRED FOR THE FRAME ASSEMBLY TYPE

TABLE 1C

	Design Pressure and Air Infiltration Air Source Design for Individual Frame Assembly Type																					
	Window Size																					
	Width (W)	20" (0.508)	23" (0.584)	24" (0.610)	27" (0.686)	28" (0.711)	30" (0.762)	32" (0.813)	36" (0.914)	40" (1.016)	42" (1.067)	48" (1.219)										
	Height (H)	Active Stack	Active Stack	Active Stack	Active Stack	Active Stack	Active Stack	Active Stack	Active Stack	Active Stack	Active Stack	Active Stack										
		A	A	A	A	A	A	A	A	A	A	A	B	C	D	A	B	C	D	A	B	C	D
Glass Type																						
4 MM TP	14" (0.356)	14" (0.356)	14" (0.356)	14" (0.356)	14" (0.356)	14" (0.356)	14" (0.356)	14" (0.356)	14" (0.356)	14" (0.356)	14" (0.356)	14" (0.356)	14" (0.356)	14" (0.356)	14" (0.356)	14" (0.356)	14" (0.356)	14" (0.356)	14" (0.356)	14" (0.356)	14" (0.356)	14" (0.356)	14" (0.356)
5/32 TP	17" (0.432)	17" (0.432)	17" (0.432)	17" (0.432)	17" (0.432)	17" (0.432)	17" (0.432)	17" (0.432)	17" (0.432)	17" (0.432)	17" (0.432)	17" (0.432)	17" (0.432)	17" (0.432)	17" (0.432)	17" (0.432)	17" (0.432)	17" (0.432)	17" (0.432)	17" (0.432)	17" (0.432)	17" (0.432)	17" (0.432)
3/8" TP	17" (0.432)	17" (0.432)	17" (0.432)	17" (0.432)	17" (0.432)	17" (0.432)	17" (0.432)	17" (0.432)	17" (0.432)	17" (0.432)	17" (0.432)	17" (0.432)	17" (0.432)	17" (0.432)	17" (0.432)	17" (0.432)	17" (0.432)	17" (0.432)	17" (0.432)	17" (0.432)	17" (0.432)	17" (0.432)	17" (0.432)
7/16" TP	17" (0.432)	17" (0.432)	17" (0.432)	17" (0.432)	17" (0.432)	17" (0.432)	17" (0.432)	17" (0.432)	17" (0.432)	17" (0.432)	17" (0.432)	17" (0.432)	17" (0.432)	17" (0.432)	17" (0.432)	17" (0.432)	17" (0.432)	17" (0.432)	17" (0.432)	17" (0.432)	17" (0.432)	17" (0.432)	17" (0.432)
1/2" TP	17" (0.432)	17" (0.432)	17" (0.432)	17" (0.432)	17" (0.432)	17" (0.432)	17" (0.432)	17" (0.432)	17" (0.432)	17" (0.432)	17" (0.432)	17" (0.432)	17" (0.432)	17" (0.432)	17" (0.432)	17" (0.432)	17" (0.432)	17" (0.432)	17" (0.432)	17" (0.432)	17" (0.432)	17" (0.432)	17" (0.432)
4 MM TP	17" (0.432)	17" (0.432)	17" (0.432)	17" (0.432)	17" (0.432)	17" (0.432)	17" (0.432)	17" (0.432)	17" (0.432)	17" (0.432)	17" (0.432)	17" (0.432)	17" (0.432)	17" (0.432)	17" (0.432)	17" (0.432)	17" (0.432)	17" (0.432)	17" (0.432)	17" (0.432)	17" (0.432)	17" (0.432)	17" (0.432)
5/32 TP	17" (0.432)	17" (0.432)	17" (0.432)	17" (0.432)	17" (0.432)	17" (0.432)	17" (0.432)	17" (0.432)	17" (0.432)	17" (0.432)	17" (0.432)	17" (0.432)	17" (0.432)	17" (0.432)	17" (0.432)	17" (0.432)	17" (0.432)	17" (0.432)	17" (0.432)	17" (0.432)	17" (0.432)	17" (0.432)	17" (0.432)
3/8" TP	17" (0.432)	17" (0.432)	17" (0.432)	17" (0.432)	17" (0.432)	17" (0.432)	17" (0.432)	17" (0.432)	17" (0.432)	17" (0.432)	17" (0.432)	17" (0.432)	17" (0.432)	17" (0.432)	17" (0.432)	17" (0.432)	17" (0.432)	17" (0.432)	17" (0.432)	17" (0.432)	17" (0.432)	17" (0.432)	17" (0.432)
7/16" TP	17" (0.432)	17" (0.432)	17" (0.432)	17" (0.432)	17" (0.432)	17" (0.432)	17" (0.432)	17" (0.432)	17" (0.432)	17" (0.432)	17" (0.432)	17" (0.432)	17" (0.432)	17" (0.432)	17" (0.432)	17" (0.432)	17" (0.432)	17" (0.432)	17" (0.432)	17" (0.432)	17" (0.432)	17" (0.432)	17" (0.432)
1/2" TP	17" (0.432)	17" (0.432)	17" (0.432)	17" (0.432)	17" (0.432)	17" (0.432)	17" (0.432)	17" (0.432)	17" (0.432)	17" (0.432)	17" (0.432)	17" (0.432)	17" (0.432)	17" (0.432)	17" (0.432)	17" (0.432)	17" (0.432)	17" (0.432)	17" (0.432)	17" (0.432)	17" (0.432)	17" (0.432)	17" (0.432)



SEE SHEETS 1 & 4 FOR WINDOW MEMBER LOCATIONS AND QUANTITIES SEE SHEET 5 FOR ANY ADDITIONAL ANCHORS REQUIRED FOR THE FRAME ASSEMBLY TYPE

NOTES:
1) SEE SHEET 1 FOR ADDITIONAL NOTES & CONFIGURATIONS.
2) SEE SHEET 4 FOR GLAZING REQUIREMENTS.

PRODUCT REVISED
as complying with the Florida Building Code:
NOA No. 23-0815.13
Expiration Date: 04.11.2028
By
Miami-Dade Product Control

F.) NO CHANGES IN THIS SHEET.

PGT
PGT INDUSTRIES
1070 TECHNOLOGY DRIVE
NORTH VENICE, FL 34275
(941) 480-1600
WWW.PGTINDUSTRIES.COM

ARMOR WINDOW (UK)
DESIGN PRESSURE (DP)
CLASSIFICATION

NO.	REVISION	DATE
1		
2		
3		
4		

SHEET NO. 3 OF 5

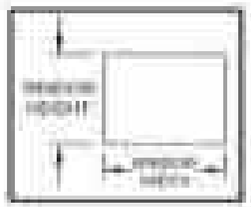
WEATHERSHIELD
No. 30705
STATE OF FLORIDA
PROFESSIONAL ENGINEER

TABLE 17

	Design Pressure (psf) for Single Window, Air Cavity Design										
	Positive Design Pressure										
	Loads (LT)	30 (1.44 k)	40 (1.92 k)	50 (2.40 k)	60 (2.88 k)	70	80	90	100	110 (5.28 k)	120
Glass Type	2 Lites (LT)	1460.1 PSF	1460.1 PSF	1460.1 PSF	1460.1 PSF	1460.1 PSF	1460.1 PSF	1460.1 PSF	1460.1 PSF	1460.1 PSF	1460.1 PSF
	2 Lites (SP)	1460.1 PSF	1460.1 PSF	1460.1 PSF	1460.1 PSF	1460.1 PSF	1460.1 PSF	1460.1 PSF	1460.1 PSF	1460.1 PSF	1460.1 PSF
	DP1	1460.1 PSF	1460.1 PSF	1460.1 PSF	1460.1 PSF	1460.1 PSF	1460.1 PSF	1460.1 PSF	1460.1 PSF	1460.1 PSF	1460.1 PSF
	Spandrel	1460.1 PSF	1460.1 PSF	1460.1 PSF	1460.1 PSF	1460.1 PSF	1460.1 PSF	1460.1 PSF	1460.1 PSF		
	DP2	1460.1 PSF	1460.1 PSF	1460.1 PSF	1460.1 PSF	1460.1 PSF	1460.1 PSF	1460.1 PSF			
	DP3	1460.1 PSF	1460.1 PSF	1460.1 PSF	1460.1 PSF	1460.1 PSF	1460.1 PSF				
	DP4	1460.1 PSF	1460.1 PSF	1460.1 PSF	1460.1 PSF	1460.1 PSF					
	DP5	1460.1 PSF	1460.1 PSF	1460.1 PSF	1460.1 PSF						
	DP6	1460.1 PSF	1460.1 PSF	1460.1 PSF							
	DP7	1460.1 PSF	1460.1 PSF	1460.1 PSF							

FOR GLASS TYPES:

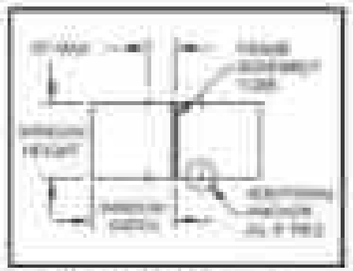
5) 7/8" LAMI. IG. (3/16" AN - 1/4" AIR - 3/16" AN - .090" SG - 3/16" AN)
6) 7/8" LAMI. IG. (3/16" T - 1/4" AIR - 3/16" AN - .090" SG - 3/16" AN)



SEE SHEETS 1 & 4 FOR WINDOW ANCHOR LOCATIONS AND QUANTITIES.

TABLE 18

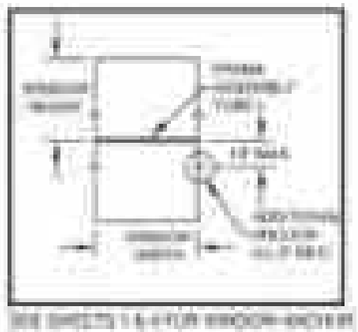
	Design Pressure (psf) for Window Anchor to Concrete or Masonry Wall																							
	Anchor Type	Loads (LT)				30 (1.44 k)			40 (1.92 k)			50 (2.40 k)			60 (2.88 k)			70			80			90		
		Anchor Detail				Anchor Detail			Anchor Detail			Anchor Detail			Anchor Detail			Anchor Detail			Anchor Detail			Anchor Detail		
		A	B	C	D	A	B	C	A	B	C	A	B	C	A	B	C	A	B	C	A	B	C	A	B	C
Glass Type	2 Lites (LT)	1460.1 PSF	1460.1 PSF	1460.1 PSF	1460.1 PSF	1460.1 PSF	1460.1 PSF	1460.1 PSF	1460.1 PSF	1460.1 PSF	1460.1 PSF	1460.1 PSF	1460.1 PSF	1460.1 PSF	1460.1 PSF	1460.1 PSF	1460.1 PSF	1460.1 PSF	1460.1 PSF	1460.1 PSF	1460.1 PSF	1460.1 PSF	1460.1 PSF	1460.1 PSF	1460.1 PSF	1460.1 PSF
	2 Lites (SP)	1460.1 PSF	1460.1 PSF	1460.1 PSF	1460.1 PSF	1460.1 PSF	1460.1 PSF	1460.1 PSF	1460.1 PSF	1460.1 PSF	1460.1 PSF	1460.1 PSF	1460.1 PSF	1460.1 PSF	1460.1 PSF	1460.1 PSF	1460.1 PSF	1460.1 PSF	1460.1 PSF	1460.1 PSF	1460.1 PSF	1460.1 PSF	1460.1 PSF	1460.1 PSF	1460.1 PSF	1460.1 PSF
	DP1	1460.1 PSF	1460.1 PSF	1460.1 PSF	1460.1 PSF	1460.1 PSF	1460.1 PSF	1460.1 PSF	1460.1 PSF	1460.1 PSF	1460.1 PSF	1460.1 PSF	1460.1 PSF	1460.1 PSF	1460.1 PSF	1460.1 PSF	1460.1 PSF	1460.1 PSF	1460.1 PSF	1460.1 PSF	1460.1 PSF	1460.1 PSF	1460.1 PSF	1460.1 PSF	1460.1 PSF	1460.1 PSF	1460.1 PSF
	Spandrel	1460.1 PSF	1460.1 PSF	1460.1 PSF	1460.1 PSF	1460.1 PSF	1460.1 PSF	1460.1 PSF	1460.1 PSF	1460.1 PSF	1460.1 PSF	1460.1 PSF	1460.1 PSF	1460.1 PSF	1460.1 PSF	1460.1 PSF	1460.1 PSF	1460.1 PSF	1460.1 PSF	1460.1 PSF	1460.1 PSF	1460.1 PSF	1460.1 PSF	1460.1 PSF	1460.1 PSF	1460.1 PSF	1460.1 PSF
	DP2	1460.1 PSF	1460.1 PSF	1460.1 PSF	1460.1 PSF	1460.1 PSF	1460.1 PSF	1460.1 PSF	1460.1 PSF	1460.1 PSF	1460.1 PSF	1460.1 PSF	1460.1 PSF	1460.1 PSF	1460.1 PSF	1460.1 PSF	1460.1 PSF	1460.1 PSF	1460.1 PSF	1460.1 PSF	1460.1 PSF	1460.1 PSF	1460.1 PSF	1460.1 PSF	1460.1 PSF	1460.1 PSF	1460.1 PSF
	DP3	1460.1 PSF	1460.1 PSF	1460.1 PSF	1460.1 PSF	1460.1 PSF	1460.1 PSF	1460.1 PSF	1460.1 PSF	1460.1 PSF	1460.1 PSF	1460.1 PSF	1460.1 PSF	1460.1 PSF	1460.1 PSF	1460.1 PSF	1460.1 PSF	1460.1 PSF	1460.1 PSF	1460.1 PSF	1460.1 PSF	1460.1 PSF	1460.1 PSF	1460.1 PSF	1460.1 PSF	1460.1 PSF	1460.1 PSF
	DP4	1460.1 PSF	1460.1 PSF	1460.1 PSF	1460.1 PSF	1460.1 PSF	1460.1 PSF	1460.1 PSF	1460.1 PSF	1460.1 PSF	1460.1 PSF	1460.1 PSF	1460.1 PSF	1460.1 PSF	1460.1 PSF	1460.1 PSF	1460.1 PSF	1460.1 PSF	1460.1 PSF	1460.1 PSF	1460.1 PSF	1460.1 PSF	1460.1 PSF	1460.1 PSF	1460.1 PSF	1460.1 PSF	1460.1 PSF
	DP5	1460.1 PSF	1460.1 PSF	1460.1 PSF	1460.1 PSF	1460.1 PSF	1460.1 PSF	1460.1 PSF	1460.1 PSF	1460.1 PSF	1460.1 PSF	1460.1 PSF	1460.1 PSF	1460.1 PSF	1460.1 PSF	1460.1 PSF	1460.1 PSF	1460.1 PSF	1460.1 PSF	1460.1 PSF	1460.1 PSF	1460.1 PSF	1460.1 PSF	1460.1 PSF	1460.1 PSF	1460.1 PSF	1460.1 PSF
	DP6	1460.1 PSF	1460.1 PSF	1460.1 PSF	1460.1 PSF	1460.1 PSF	1460.1 PSF	1460.1 PSF	1460.1 PSF	1460.1 PSF	1460.1 PSF	1460.1 PSF	1460.1 PSF	1460.1 PSF	1460.1 PSF	1460.1 PSF	1460.1 PSF	1460.1 PSF	1460.1 PSF	1460.1 PSF	1460.1 PSF	1460.1 PSF	1460.1 PSF	1460.1 PSF	1460.1 PSF	1460.1 PSF	1460.1 PSF
	DP7	1460.1 PSF	1460.1 PSF	1460.1 PSF	1460.1 PSF	1460.1 PSF	1460.1 PSF	1460.1 PSF	1460.1 PSF	1460.1 PSF	1460.1 PSF	1460.1 PSF	1460.1 PSF	1460.1 PSF	1460.1 PSF	1460.1 PSF	1460.1 PSF	1460.1 PSF	1460.1 PSF	1460.1 PSF	1460.1 PSF	1460.1 PSF	1460.1 PSF	1460.1 PSF	1460.1 PSF	1460.1 PSF	1460.1 PSF



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

TABLE 19

	Design Pressure (psf) for Window Anchor to Concrete Frame Assembly Tube																							
	Anchor Type	Loads (LT)				30			40			50			60			70			80			90		
		Anchor Detail				Anchor Detail			Anchor Detail			Anchor Detail			Anchor Detail			Anchor Detail			Anchor Detail			Anchor Detail		
		A	B	C	D	A	B	C	A	B	C	A	B	C	A	B	C	A	B	C	A	B	C	A	B	C
Glass Type	2 Lites (LT)	1460.1 PSF	1460.1 PSF	1460.1 PSF	1460.1 PSF	1460.1 PSF	1460.1 PSF	1460.1 PSF	1460.1 PSF	1460.1 PSF	1460.1 PSF	1460.1 PSF	1460.1 PSF	1460.1 PSF	1460.1 PSF	1460.1 PSF	1460.1 PSF	1460.1 PSF	1460.1 PSF	1460.1 PSF	1460.1 PSF	1460.1 PSF	1460.1 PSF	1460.1 PSF	1460.1 PSF	1460.1 PSF	1460.1 PSF
	2 Lites (SP)	1460.1 PSF	1460.1 PSF	1460.1 PSF	1460.1 PSF	1460.1 PSF	1460.1 PSF	1460.1 PSF	1460.1 PSF	1460.1 PSF	1460.1 PSF	1460.1 PSF	1460.1 PSF	1460.1 PSF	1460.1 PSF	1460.1 PSF	1460.1 PSF	1460.1 PSF	1460.1 PSF	1460.1 PSF	1460.1 PSF	1460.1 PSF	1460.1 PSF	1460.1 PSF	1460.1 PSF	1460.1 PSF	1460.1 PSF
	DP1	1460.1 PSF	1460.1 PSF	1460.1 PSF	1460.1 PSF	1460.1 PSF	1460.1 PSF	1460.1 PSF	1460.1 PSF	1460.1 PSF	1460.1 PSF	1460.1 PSF	1460.1 PSF	1460.1 PSF	1460.1 PSF	1460.1 PSF	1460.1 PSF	1460.1 PSF	1460.1 PSF	1460.1 PSF	1460.1 PSF	1460.1 PSF	1460.1 PSF	1460.1 PSF	1460.1 PSF	1460.1 PSF	1460.1 PSF
	Spandrel	1460.1 PSF	1460.1 PSF	1460.1 PSF	1460.1 PSF	1460.1 PSF	1460.1 PSF	1460.1 PSF	1460.1 PSF	1460.1 PSF	1460.1 PSF	1460.1 PSF	1460.1 PSF	1460.1 PSF	1460.1 PSF	1460.1 PSF	1460.1 PSF	1460.1 PSF	1460.1 PSF	1460.1 PSF	1460.1 PSF	1460.1 PSF	1460.1 PSF	1460.1 PSF	1460.1 PSF	1460.1 PSF	1460.1 PSF
	DP2	1460.1 PSF	1460.1 PSF	1460.1 PSF	1460.1 PSF	1460.1 PSF	1460.1 PSF	1460.1 PSF	1460.1 PSF	1460.1 PSF	1460.1 PSF	1460.1 PSF	1460.1 PSF	1460.1 PSF	1460.1 PSF	1460.1 PSF	1460.1 PSF	1460.1 PSF	1460.1 PSF	1460.1 PSF	1460.1 PSF	1460.1 PSF	1460.1 PSF	1460.1 PSF	1460.1 PSF	1460.1 PSF	1460.1 PSF
	DP3	1460.1 PSF	1460.1 PSF	1460.1 PSF	1460.1 PSF	1460.1 PSF	1460.1 PSF	1460.1 PSF	1460.1 PSF	1460.1 PSF	1460.1 PSF	1460.1 PSF	1460.1 PSF	1460.1 PSF	1460.1 PSF	1460.1 PSF	1460.1 PSF	1460.1 PSF	1460.1 PSF	1460.1 PSF	1460.1 PSF	1460.1 PSF	1460.1 PSF	1460.1 PSF	1460.1 PSF	1460.1 PSF	1460.1 PSF
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	DP5	1460.1 PSF	1460.1 PSF	1460.1 PSF	1460.1 PSF	1460.1 PSF	1460.1 PSF	1460.1 PSF	1460.1 PSF	1460.1 PSF	1460.1 PSF	1460.1 PSF	1460.1 PSF	1460.1 PSF	1460.1 PSF	1460.1 PSF	1460.1 PSF	1460.1 PSF	1460.1 PSF	1460.1 PSF	1460.1 PSF	1460.1 PSF	1460.1 PSF	1460.1 PSF	1460.1 PSF	1460.1 PSF	1460.1 PSF
	DP6	1460.1 PSF	1460.1 PSF	1460.1 PSF	1460.1 PSF	1460.1 PSF	1460.1 PSF	1460.1 PSF	1460.1 PSF	1460.1 PSF	1460.1 PSF	1460.1 PSF	1460.1 PSF	1460.1 PSF	1460.1 PSF	1460.1 PSF	1460.1 PSF	1460.1 PSF	1460.1 PSF	1460.1 PSF	1460.1 PSF	1460.1 PSF	1460.1 PSF	1460.1 PSF	1460.1 PSF	1460.1 PSF	1460.1 PSF
	DP7	1460.1 PSF	1460.1 PSF	1460.1 PSF	1460.1 PSF	1460.1 PSF	1460.1 PSF	1460.1 PSF	1460.1 PSF	1460.1 PSF	1460.1 PSF	1460.1 PSF	1460.1 PSF	1460.1 PSF	1460.1 PSF	1460.1 PSF	1460.1 PSF	1460.1 PSF	1460.1 PSF	1460.1 PSF	1460.1 PSF	1460.1 PSF	1460.1 PSF	1460.1 PSF	1460.1 PSF	1460.1 PSF	1460.1 PSF



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

NOTES:
1) SEE SHEET 1 FOR ADDITIONAL GENERAL CONDITIONS.
2) SEE SHEET 4 FOR WINDOW ANCHOR DETAILS.

PRODUCT REVISED
in complying with the Florida Building Code
NOA No. 23-0816.13
Expiration Date 04.11.2028
By
Miami-Dade Product Control

F) NO CHANGES IN THIS SHEET.

PGT

WINGUARD (UA)
DESIGN PRESSURE RATING
GLASS OPTIONS

DRAWN BY	MD
DATE	4.4.23
SCALE	AS NOTED
SHEET NO.	2 OF 4

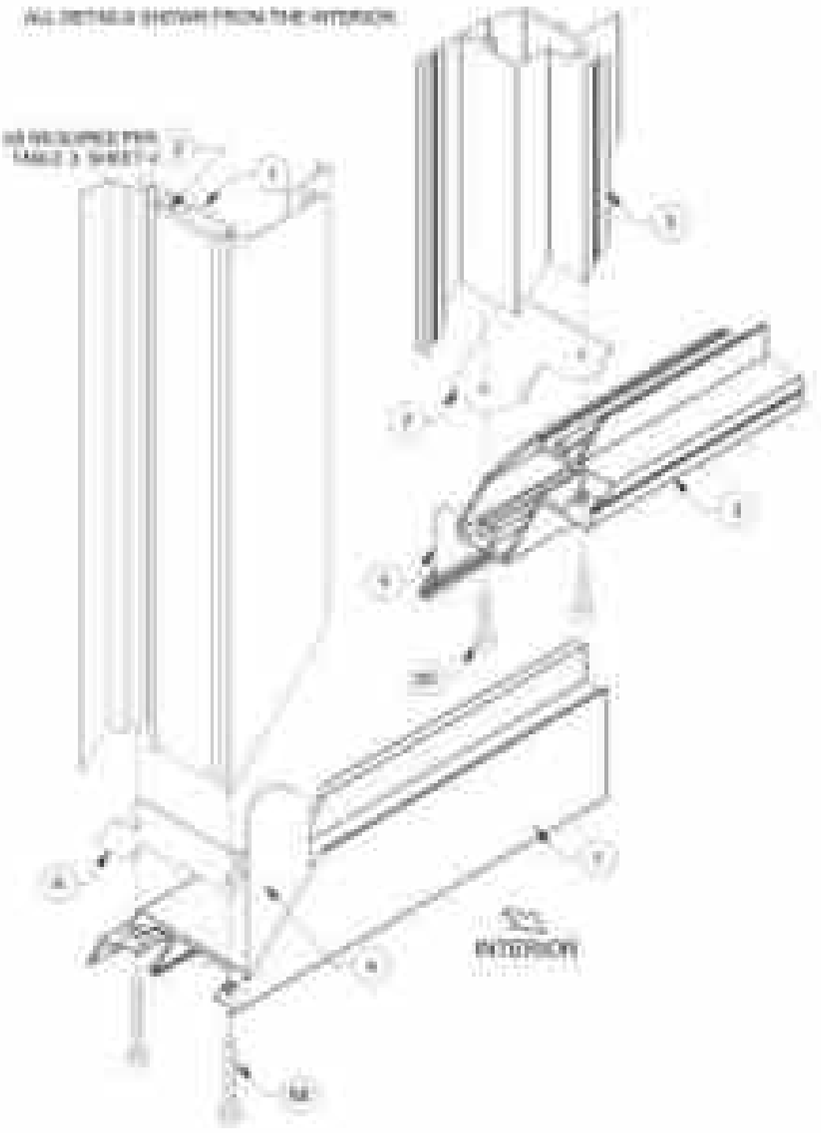
STATE OF FLORIDA
PROFESSIONAL ENGINEER
No. 59705

Table 2 (a)

Item	Dwg. #	Description	Mat.
1	1002	Main Frame Head, Sill & Jamb	6063-T6 Alum.
2	1021	Anchor Plate	6063-T6 Alum.
3	1003	Main Top, Bottom & Side Rail	6063-T6 Alum.
4	1036	Frame Corner Key	Steel
5	1039	Sash Corner Key	Steel
6	1078	Frame Gasket	Vinyl Foam
7	1077	Glass Corner Gasket	Vinyl Foam
8	1070	Sash Weatherstrip, 1/2" x .078"	Flex PVC TU
9	1024	Interior Multi-Point Lock	Steel
10	1038	Lock Support Plate	Steel
11	1014	Sash Lock Keeper	Steel
12	1013	Tilt Bar Guide	Nylon
13	1010	Tilt Bar Assembly	Steel or SS
14	1020	Meeting Protected Operator	Steel
15	1030	Operator Gasket	Vinyl Foam
16	1031	Operator Backing Plate	Steel
17	1041	Operator Spacer Block	Nylon
18	1034	Operator Hook & Bolt	Steel
19	1021	Projected Hinge, Stand Up Stem	Steel
20		Position, Anti-Shroud Clip	Steel
21	1113	Setting Block, 0.31" x 3.15" x 1.772"	EPDM
22	1114	Setting Block, 0.62" x 3.150" x 1.772"	EPDM
23	1026	Head A	6063-T6 Alum.
24	1042	Head C	6063-T6 Alum.
25	1028	Head D	6063-T6 Alum.
26	1224	Vinyl Bulb Wing (Stop)	Flex PVC TU
27	1225	Vinyl Bulb Wing (Rev)	Flex PVC TU
28		Glue TU, 999 or 961 Backbedding	Silicone
29	1035	Screen Frame	6063-T52 Alum.
30	1040	Screen Corner Key	Polycarbonate
31		Screen Cloth	Fiberglass
32	1045	Screen Spline	EPDM
33	325	Diagonal Screen Spring	Stainless Steel
34	124	Astragal Flange	6063-T5 Alum.
35	1004	Frame Key Tab	6063-T6 Alum.
36		Master Post Slide Assembly	Steel
37		#8-32 x 1/2" PN, FH, Mach. Scr. Type B	Stainless Steel
38	1167	#8 x 1/2" PH, PH, SMS	Stainless Steel
39		#8 x 3/8" PH, PH, SMS	Stainless Steel
40		#8 x 7/8" F.H. PH, SMS	Stainless Steel
41		#8 x 1" PH, PH, TEK	Stainless Steel
42		#8 x 1" Quad PH, SMS	Stainless Steel
43		#8 X 1 1/2" Quad PH, SMS	Stainless Steel
44		#10 x 1/2" PN, PH, TEK	Stainless Steel
45		#10-24 x 3/16" PN, PH, TYPE II	Stainless Steel
46		#10 x 1" PN, PH, TEK	Stainless Steel

ALL DETAILS SHOWN FROM THE INTERIOR

AS REQUIRED PER TABLE 2 SHEET 4



PRODUCT REVISED
as complying with the Florida Building Code.
NOA No. 23-0316.15
Expiration Date 04.11.2028
By: Miami-Dade Product Control

F.) NO CHANGES IN THIS SHEET.

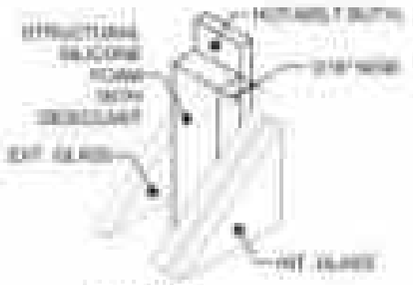
PGT

IMPACT WINDOW (FIXED)
SCH & CORNER VIEW





KODISPACE 4SG TPS



SUPER SPACER® NXT™



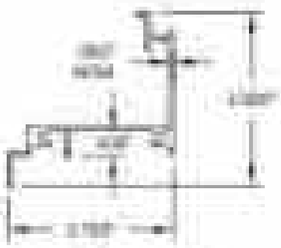
DURASEAL® SPACER



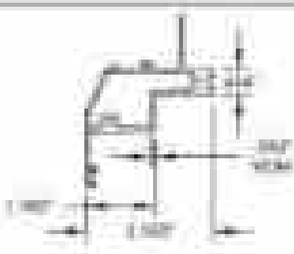
XL EDGE™ SPACER

Part #	Description	Material
000	Kommerling 4SG TPS Spacer System	See this Sheet for Materials
001	Duravac Super Spacer HXT with Hot Melt Butyl	
002	Duravac Duraseal Spacer	
003	Cardinal XL Edge Spacer	

REFERENCE TEST REPORTS WC-0117-2660-4.WW



1 FRAME HEAD, SILL & JAMB
#7003, 6063-T6



3 MASH TOP, BOTTOM & MUN
#7003, 6063-T6



71 FRAME ASSEMBLY TUBE
#7104, 6063-T6



2 ANCHOR PLATE
#7071, 6063-T6



60 FIXED SCREEN FRAME
#7008, 3105-H14



70 SADDLE FLANGE
#134, 6063-T6



35 REACT
#7036, 6063-T6



36 REACT
#7042, 6063-T6



37 REACT
#7035, 6063-T6

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as complying with the Florida Building Code
NOA No. 23-0816.15
Expiration Date: 04.11.2028
By
Miami-Dade Product Control

F.) NO CHANGES IN THIS SHEET.

PGT

WINGUARD (U)

EXTERIOR SLIDING WINDOWS

SD-4SG-XXX

ARCHITECTURAL ENGINEERING
STATE OF FLORIDA