MIAMI-DADE COUNTY
DEPARTMENT OF PERMITTING, ENVIRONMENT, AND REGULATORY AFFAIRS (PERA)
BOARD AND CODE ADMINISTRATION DIVISION

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

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 PERA –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. PERA 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–220 Picture" Aluminum Fixed Window – N.I.

APPROVAL DOCUMENT: Drawing No. **MD–PW220–01** titled "Fixed Window Installation Guidelines", sheets 1 through 8 of 8, prepared by manufacturer, dated 04/01/11 with the latest revision "**A**" dated 10/19/11, prepared by PGT Industries, Inc., 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: None.

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. 11–0509.02** and consists of this page 1, evidence pages E–1 and E–2, as well as approval document mentioned above.

The submitted documentation was reviewed by **Jaime D. Gascon, P. E.**

MIAMI-DADE COUNTY APPROVED

J. Gascon 2/8/12

NOA No. 11–1114.14
Expiration Date: August 18, 2016
Approval Date: February 16, 2012

PGT Industries, Inc.

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

A. DRAWINGS

1. Manufacturer's die drawings and sections.
   (Submitted under NOA's No. 11–0509.02)
2. Drawing No. **MD–PW220–01** titled "Fixed Window Installation Guidelines", sheets 1 through 8 of 8, prepared by manufacturer, dated 04/01/11 with the latest revision "**A**" dated 10/19/11, prepared by PGT Industries, Inc., signed and sealed by Anthony Lynn Miller, P. E.

B. TESTS

1. Test reports on: 1) Air Infiltration Test, per FBC, TAS 202–94
   2) Uniform Static Air Pressure Test, Loading per FBC TAS 202–94
   3) Water Resistance Test, per FBC, TAS 202–94
   4) Forced Entry Test, Type "D" window, Grade 10, per FBC 2411. 3.2.1, TAS 202–94 and per ASTM F 588–07

   Along with marked–up drawings and installation diagram of an aluminum fixed window, prepared by Fenestration Testing Laboratory, Inc., Test Report No. **FTL–6482**, dated 03/24/11, signed and sealed by Marlin D. Brinson, P. E.
   (Submitted under NOA No. 11–0509.02)

C. CALCULATIONS

1. Anchor verification calculations and structural analysis, complying with FBC–2007, prepared by PGT Industries, Inc., dated 05/03/11, signed, sealed and dated 08/05/11 by Anthony Lynn Miller, P. E.
   (Submitted under previous NOA No. 11–0509.02)
2. **Complies with ASTM E1300–04**

D. QUALITY ASSURANCE

1. Miami–Dade Department of Permitting, Environment, and Regulatory Affairs (PERA)

E. MATERIAL CERTIFICATIONS

1. None.

F. STATEMENTS

1. Statement letter of conformance and compliance with the FBC–2007 (with the 2009 supplement) and FBC–2010, dated 10/26/11, signed and sealed by Anthony Lynn Miller, P. E.

Jaime D. Gascon, P. E.
Product Control Section Supervisor
NOA No. 11–1114.14
Expiration Date: August 18, 2016
Approval Date: February 16, 2012

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

F. STATEMENTS (CONTINUED)

2. Statement letter of no financial interest and independence, dated 10/26/11, signed and sealed by Anthony Lynn Miller, P. E.
3. Letter of *Adoption of as his Own, the Work of another Engineer* per Section 61G15–27.001 of the F.B.P.E., dated 10/07/11 signed and sealed by Anthony Lynn Miller, P. E.
4. Statement letter of no financial interest, conformance and compliance with the FBC–2007, dated 04/24/08, signed and sealed by Anthony Lynn Miller, P. E.
   (Submitted under previous NOA No. 11–0509.02)
5. Laboratory compliance letter for Test Report No. **FTL–6482**, issued by Fenestration Testing Laboratory, Inc., dated 03/24/11, signed and sealed by Marlin D. Brinson, P. E.
   (Submitted under previous NOA No. 11–0509.02)

G. OTHERS

1. Notice of Acceptance No. **11–0509.02**, issued to PGT Industries, Inc. for their Series "PW–220 Aluminum Fixed Window – Non–Impact", approved on 08/18/11 and expiring on 08/18/16.

Jaime D. Gascon, P. E.
Product Control Section Supervisor
NOA No. 11–1114.14
Expiration Date: August 18, 2016
Approval Date: February 16, 2012

GENERAL NOTES: SERIES 220 NON-IMPACT FIXED WINDOW

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

2) SHUTTERS ARE REQUIRED WHEN USED IN WIND-BORNE DEBRIS REGIONS.

3) FOR MASONRY APPLICATIONS IN MIAMI-DADE COUNTY, USE ONLY MIAMI-DADE COUNTY APPROVED MASONRY ANCHORS. MATERIALS USED FOR ANCHOR EVALUATIONS WERE SOUTHERN PINE, ASTM C90 CONCRETE MASONRY UNITS AND CONCRETE WITH MIN. KSI PER ANCHOR TYPE, SEE TABLE 3, SHEET 3.

4) MASONRY ANCHORS MAY BE USED INTO WOOD AS PER TABLE 1, SHEET 6. ALL WOOD BUCKS LESS THAN 1-1/2" THICK ARE TO BE CONSIDERED 1X INSTALLATIONS. 1X WOOD BUCKS ARE OPTIONAL IF UNIT IS INSTALLED DIRECTLY TO SUBSTRATE. WOOD BUCKS DEPICTED AS 2X ARE 1-1/2" THICK OR GREATER. 1X AND 2X BUCKS (WHEN USED) SHALL BE DESIGNED TO PROPERLY TRANSFER LOADS TO THE STRUCTURE. WOOD BUCK DESIGN AND INSTALLATION IS THE RESPONSIBILITY OF THE ENGINEER OR ARCHITECT OF RECORD.

5) ANCHOR EMBEDMENT TO BASE MATERIAL SHALL BE BEYOND WALL DRESSING OR STUCCO. USE ANCHORS OF SUFFICIENT LENGTH AS SPECIFIED ON TABLE 3 & 4, SHEET 3 & 4. NARROW JOINT SEALANT IS USED ON ALL FOUR CORNERS OF THE FRAME. INSTALLATION ANCHORS SHOULD BE SEALED. 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 CAPABLE OF TRANSFERRING APPLIED LOADS. WOOD BUCKS, BY OTHERS, MUST BE SUFFICIENTLY ANCHORED TO RESIST LOADS IMPOSED ON THEM BY THE WINDOW.

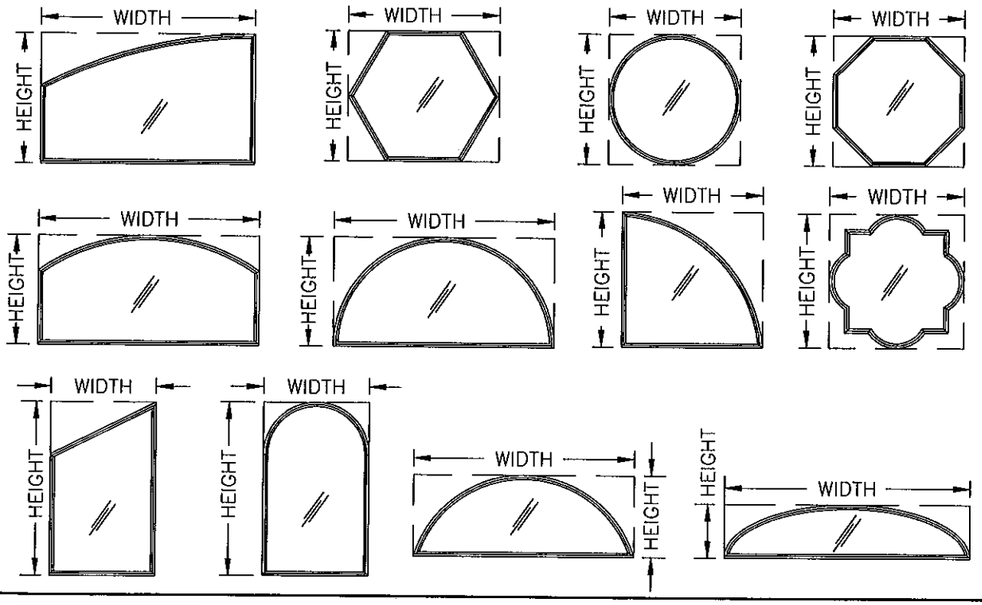
7) DESIGN PRESSURES:
A. NEGATIVE DESIGN LOADS BASED ON STRUCTURAL TEST PRESSURE, FRAME ANALYSIS AND GLASS PER ASTM E1300.
B. POSITIVE DESIGN LOADS BASED ON WATER TEST PRESSURE, STRUCTURAL TEST PRESSURE, FRAME ANALYSIS AND GLASS PER ASTM E1300.

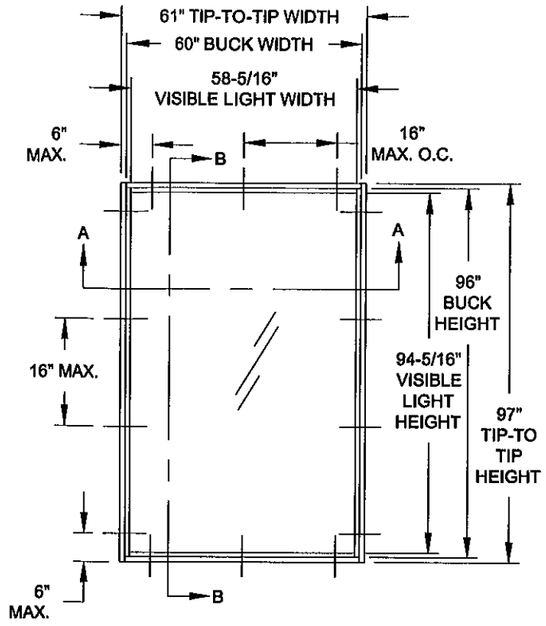
8) THE ANCHORAGE METHODS SHOWN HAVE BEEN DESIGNED TO RESIST THE WINDLOADS CORRESPONDING TO THE REQUIRED DESIGN PRESSURE. THE 33 1/3% STRESS INCREASE HAS NOT BEEN USED IN THE DESIGN OF THIS PRODUCT. THE 1.6 LOAD DURATION FACTOR WAS USED FOR THE EVALUATION OF ANCHORS INTO WOOD. ANCHORS THAT COME INTO CONTACT WITH OTHER DISSIMILAR MATERIALS SHALL MEET THE REQUIREMENTS OF THE FLORIDA BUILDING CODE FOR CORROSION RESISTANCE.

9) REFERENCES: TEST REPORTS FTL-6482; ULTRACON NOA; ELCO CRETEFLEX NOA; ANSI/AF&PA NDS-2005 FOR WOOD CONSTRUCTION AND ADM-2005 ALUMINUM DESIGN MANUAL.

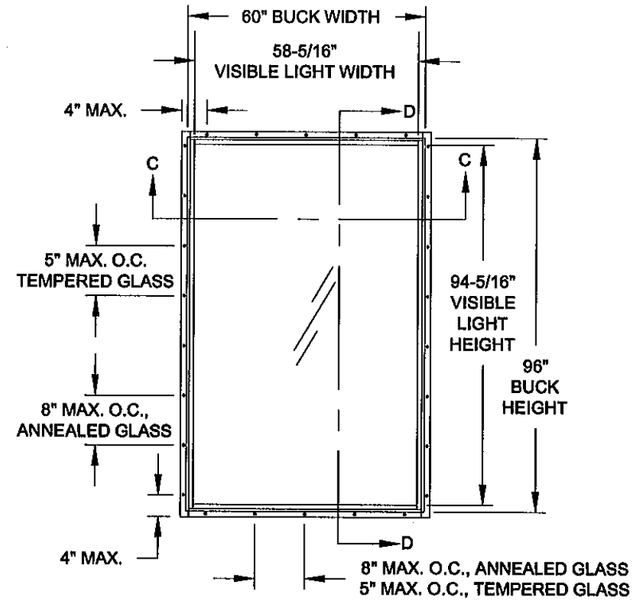
10) THE 220 SERIES FIXED WINDOW WAS FORMERLY KNOWN AS THE 6000 SERIES (FLANGE FRAME) OR 6001 SERIES (FIN FRAME).

SHAPES AS SHOWN BELOW OR SIMILAR, MAY BE USED BY INSCRIBING THE SHAPE IN A BLOCK AND OBTAINING DESIGN PRESSURES FOR THAT BLOCK SIZE FROM THE TABLES ON SHEET 2.





TYP. FLANGED FRAME ELEVATION
(TESTED UNIT)



TYP. INTEGRAL FIN FRAME ELEVATION
(TESTED UNIT)

GUIDE TO TABLES:

WINDOW SHAPE	GLASS TYPE	DP TABLE	O.C. TABLE
SQUARE OR RECTANGULAR	ANNEALED	1	5
SQUARE OR RECTANGULAR	TEMPERED	2	6
ARCHITECTURAL SHAPE	ANNEALED	1	7
ARCHITECTURAL SHAPE	TEMPERED	2	8

DESIGN PRESSURE RATING	IMPACT RATING
VARIES, SEE SHEET 2	NOT RATED FOR IMPACT RESISTANCE

GUIDE TO SHEETS:

ANTHONY LYNN MILLER
LICENSE
No. 58705
STATE OF FLORIDA
PROFESSIONAL ENGINEER
10/26/11
A. LYNN MILLER, P.E.
P.E.# 58705

1070 TECHNOLOGY DRIVE
N. VENICE, FL 34275
P.O. BOX 1529
NOKOMIS, FL 34274
CERT. OF AUTH. #29296

PRODUCT REVISED
as complying with the Florida Building Code
Acceptance No 11-1114.14
Expiration Date 08/18/2016
By
Miami Dade Product Control

Revised By:	Date:	Revision:
J.J.	10/19/11	2010 FBC UPDATE
Revised By:	Date:	Revision:

Description: GENERAL NOTES & ELEVATION
Drawn By: J ROSOWSKI
Title: FIXED WINDOW INSTALLATION GUIDELINES
Date: 4/01/11
Series/Model: PW-220
Scale: NTS
Sheet: 1 OF 8
Drawing No. MD-PW220-01
Rev: A

TABLE 1:

Design Pressure (psf) for all Frame Types — Glass : 3/16" or 1/4" Annealed Glass, Monolithic or Insulated — Frame: All Frame Shapes

Short Side (in) ⇩ / Long Side (in) ⇨	53.665	55	57	60	62	65	68	72	75	80	84	90	96	102	110	120	130	144	145
19	+/- 74.2	+/- 73.8	+/- 73.3	+/- 72.6	+/- 72.1	+/- 71.5	+/- 71.0	+/- 70.4	+/- 69.9	+/- 69.3	+/- 68.9	+/- 68.3	+/- 67.8	+/- 67.4	+/- 66.9	+/- 66.3	+/- 65.9	+/- 65.4	+/- 65.4
20	+/- 71.3	+/- 70.9	+/- 70.4	+/- 69.6	+/- 69.2	+/- 68.6	+/- 68.0	+/- 67.4	+/- 67.0	+/- 66.3	+/- 65.9	+/- 65.3	+/- 64.8	+/- 64.3	+/- 63.8	+/- 63.3	+/- 62.9	+/- 62.4	
22	+/- 66.4	+/- 65.9	+/- 65.4	+/- 64.6	+/- 64.1	+/- 63.5	+/- 62.9	+/- 62.3	+/- 61.8	+/- 61.2	+/- 60.7	+/- 60.1	+/- 59.6	+/- 59.1	+/- 58.6	+/- 58.1	+/- 57.6		
24	+/- 62.3	+/- 61.9	+/- 61.3	+/- 60.5	+/- 60.0	+/- 59.3	+/- 58.7	+/- 58.0	+/- 57.6	+/- 56.9	+/- 56.4	+/- 55.8	+/- 55.3	+/- 54.8	+/- 54.1	+/- 52.7			
26	+/- 58.9	+/- 58.5	+/- 57.8	+/- 57.0	+/- 56.5	+/- 55.8	+/- 55.2	+/- 53.4	+/- 52.5	+/- 50.9	+/- 49.9	+/- 48.4	+/- 47.5	+/- 46.7	+/- 45.6				
28	+/- 56.1	+/- 55.6	+/- 54.9	+/- 54.1	+/- 53.5	+/- 51.5	+/- 49.5	+/- 47.6	+/- 46.6	+/- 44.4	+/- 43.2	+/- 41.5	+/- 40.6	+/- 39.9					
30	+/- 53.7	+/- 53.2	+/- 52.5	+/- 51.6	+/- 50.6	+/- 47.8	+/- 45.5	+/- 42.7	+/- 41.6	+/- 39.9	+/- 38.8	+/- 37.1	+/- 35.9						
32	+/- 51.7	+/- 51.2	+/- 50.4	+/- 49.5	+/- 48.7	+/- 45.9	+/- 42.8	+/- 40.4	+/- 39.2	+/- 37.0	+/- 35.4	+/- 33.2							
34	+/- 50.0	+/- 49.4	+/- 48.6	+/- 47.6	+/- 47.0	+/- 44.6	+/- 41.6	+/- 39.3	+/- 37.7	+/- 34.9	+/- 32.9								
36	+/- 48.5	+/- 47.9	+/- 47.1	+/- 46.1	+/- 45.4	+/- 44.2	+/- 41.2	+/- 38.8	+/- 37.0	+/- 33.7									
38	+/- 47.3	+/- 46.7	+/- 45.8	+/- 44.7	+/- 44.0	+/- 43.2	+/- 41.0	+/- 38.4	+/- 36.6										
40	+/- 46.3	+/- 45.6	+/- 44.7	+/- 43.5	+/- 42.8	+/- 41.9	+/- 40.8	+/- 38.3											
42	+/- 45.4	+/- 44.7	+/- 43.8	+/- 42.5	+/- 41.8	+/- 40.8	+/- 40.0												
44	+/- 44.7	+/- 44.0	+/- 43.0	+/- 41.6	+/- 40.9	+/- 39.9													
46	+/- 44.2	+/- 43.4	+/- 42.3	+/- 40.9	+/- 40.1														
48	+/- 43.7	+/- 42.9	+/- 41.8	+/- 40.3															
50	+/- 43.5	+/- 42.6	+/- 41.3																
52	+/- 43.3	+/- 42.3																	
53.665	+/- 43.3																		

TABLE 2:

Design Pressure (psf) for all Frame Types — Glass : 3/16" or 1/4" Tempered Glass, Monolithic or Insulated — Frame: All Frame Shapes

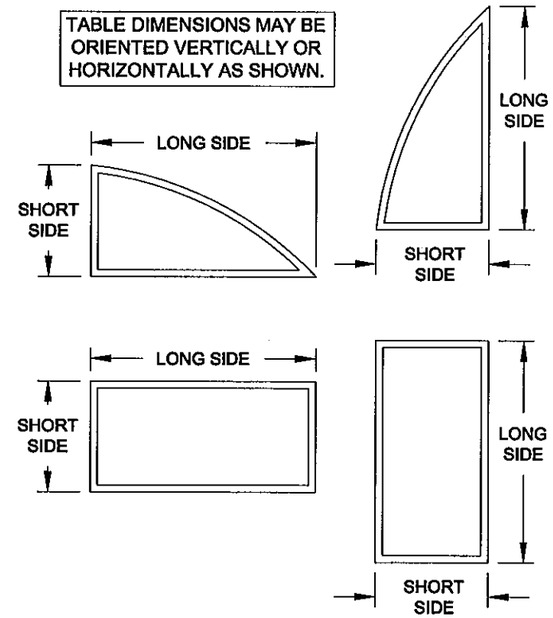
Short Side (in) ⇩ / Long Side (in) ⇨	75.894	77	80	82	84	87	90	92	96	99	102	106	110	115	120	125	130	137	144	145
39	+/- 85.4	+/- 85.0	+/- 83.9	+/- 83.3	+/- 82.6	+/- 81.8	+/- 81.0	+/- 80.5	+/- 79.6	+/- 79.0	+/- 78.5	+/- 77.8	+/- 77.1	+/- 76.4	+/- 75.8	+/- 75.2	+/- 74.7	+/- 74.0	+/- 73.4	+/- 73.3
40	+/- 84.0	+/- 83.6	+/- 82.5	+/- 81.8	+/- 81.2	+/- 80.3	+/- 79.5	+/- 79.1	+/- 78.2	+/- 77.5	+/- 77.0	+/- 76.3	+/- 75.6	+/- 74.9	+/- 74.2	+/- 73.7	+/- 73.1	+/- 72.4	+/- 71.8	
42	+/- 81.5	+/- 81.0	+/- 79.9	+/- 79.2	+/- 78.6	+/- 77.7	+/- 76.9	+/- 76.4	+/- 75.4	+/- 74.8	+/- 74.2	+/- 73.5	+/- 72.8	+/- 72.1	+/- 71.4	+/- 70.8	+/- 70.3	+/- 69.6		
44	+/- 79.2	+/- 78.7	+/- 77.6	+/- 76.9	+/- 76.2	+/- 75.3	+/- 74.4	+/- 73.9	+/- 73.0	+/- 72.3	+/- 71.7	+/- 71.0	+/- 70.3	+/- 69.6	+/- 68.9	+/- 68.3	+/- 67.7			
46	+/- 77.2	+/- 76.7	+/- 75.5	+/- 74.8	+/- 74.1	+/- 73.1	+/- 72.3	+/- 71.7	+/- 70.8	+/- 70.1	+/- 69.5	+/- 68.7	+/- 68.0	+/- 67.2	+/- 66.6	+/- 65.9				
48	+/- 75.4	+/- 74.9	+/- 73.7	+/- 72.9	+/- 72.2	+/- 71.2	+/- 70.3	+/- 69.8	+/- 68.7	+/- 68.1	+/- 67.4	+/- 66.6	+/- 65.9	+/- 65.2	+/- 64.4					
50	+/- 73.8	+/- 73.3	+/- 72.0	+/- 71.2	+/- 70.5	+/- 69.5	+/- 68.5	+/- 68.0	+/- 66.9	+/- 66.2	+/- 65.6	+/- 64.8	+/- 64.1	+/- 63.2						
52	+/- 72.4	+/- 71.9	+/- 70.5	+/- 69.7	+/- 68.9	+/- 67.9	+/- 66.9	+/- 66.3	+/- 65.3	+/- 64.5	+/- 63.9	+/- 63.1	+/- 62.3							
54	+/- 71.1	+/- 70.6	+/- 69.2	+/- 68.3	+/- 67.5	+/- 66.5	+/- 65.5	+/- 64.9	+/- 63.8	+/- 63.0	+/- 62.3	+/- 61.5								
56	+/- 70.0	+/- 69.4	+/- 68.0	+/- 67.1	+/- 66.3	+/- 65.2	+/- 64.2	+/- 63.5	+/- 62.4	+/- 61.6	+/- 60.9									
58	+/- 69.1	+/- 68.4	+/- 66.9	+/- 66.0	+/- 65.2	+/- 64.0	+/- 63.0	+/- 62.3	+/- 61.1	+/- 60.3										
60	+/- 68.2	+/- 67.6	+/- 66.0	+/- 65.0	+/- 64.2	+/- 63.0	+/- 61.9	+/- 61.2	+/- 60.0											
62	+/- 67.5	+/- 66.8	+/- 65.2	+/- 64.2	+/- 63.3	+/- 62.0	+/- 60.9	+/- 60.2												
64	+/- 66.9	+/- 66.2	+/- 64.4	+/- 63.4	+/- 62.5	+/- 61.2	+/- 60.0													
66	+/- 66.3	+/- 65.6	+/- 63.8	+/- 62.7	+/- 61.8	+/- 60.4														
68	+/- 65.9	+/- 65.2	+/- 63.3	+/- 62.2	+/- 61.1															
70	+/- 65.6	+/- 64.8	+/- 62.9	+/- 61.7																
72	+/- 65.4	+/- 64.6	+/- 65.5																	
74	+/- 65.3	+/- 64.4																		
75.894	+/- 65.2																			

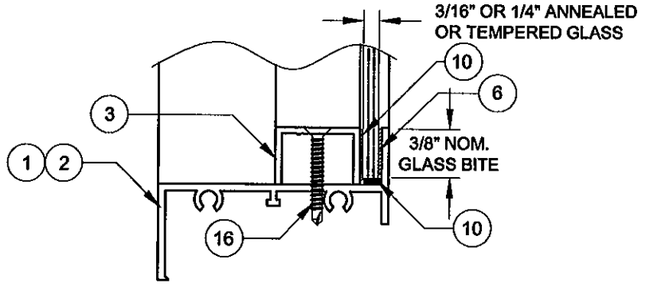
NOTE

1) TIP-TO-TIP DIMENSIONS FOR FLANGE WINDOWS SHOWN. FOR FIN WINDOWS OR BUCK DIMENSIONS, SUBTRACT 1".

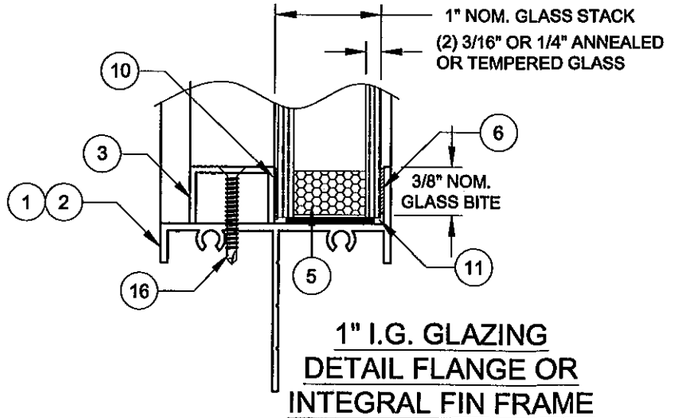
PRODUCT REVISED
as complying with the Florida Building Code
Acceptance No 11-1114.14
Expiration Date 08/18/2016
By
Miami Dade Product Control

TABLE DIMENSIONS MAY BE ORIENTED VERTICALLY OR HORIZONTALLY AS SHOWN.

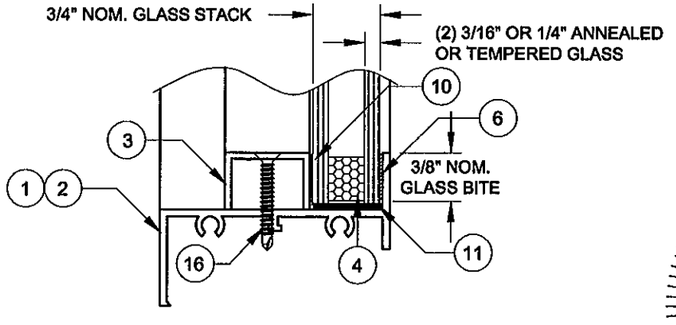




MONOLITHIC GLAZING DETAIL
FLANGE OR INTEGRAL FIN FRAME
(FLANGE FRAME SHOWN)



1" I.G. GLAZING
DETAIL FLANGE OR
INTEGRAL FIN FRAME
(INTEGRAL FIN FRAME SHOWN)



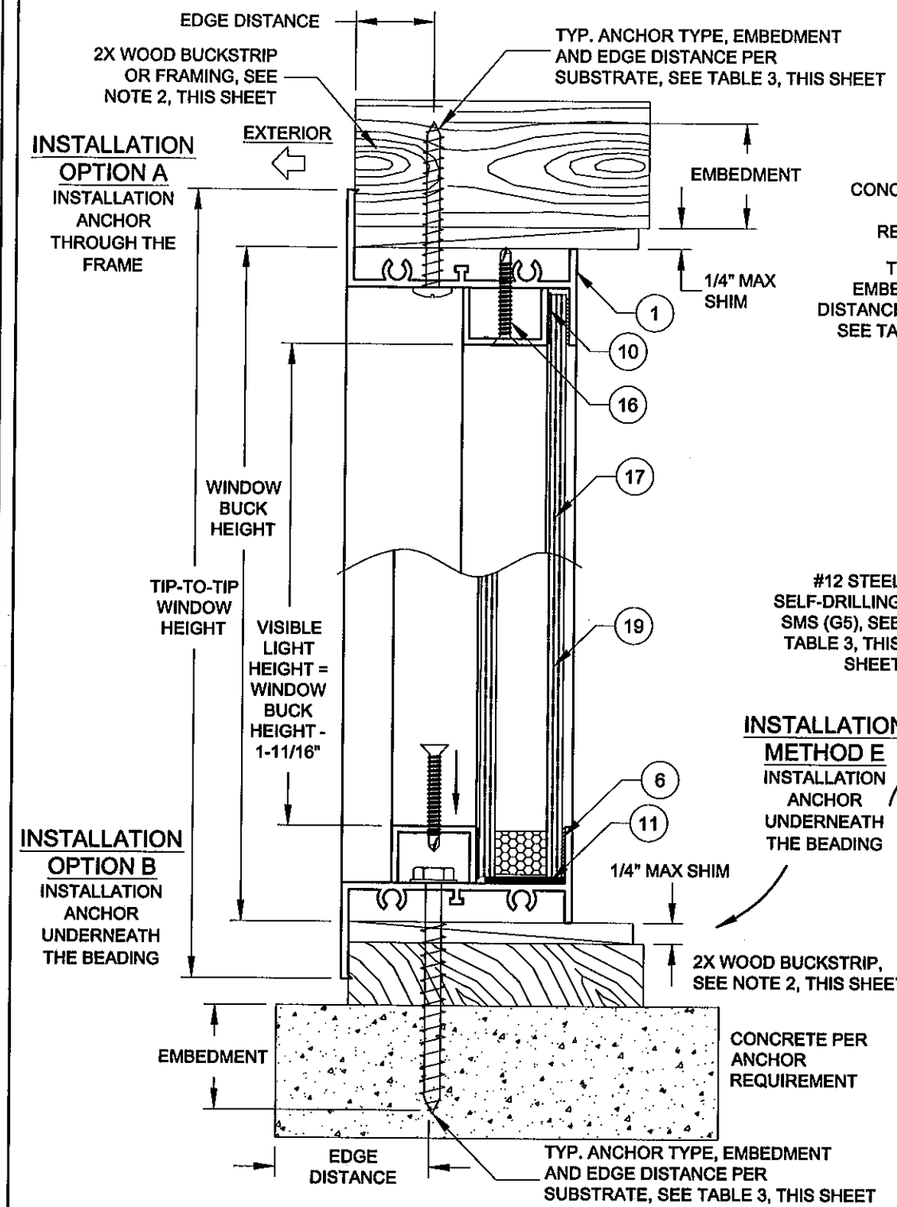
3/4" I.G. GLAZING DETAIL
FLANGE OR INTEGRAL FIN FRAME
(FLANGE FRAME SHOWN)

Drawn By: J ROSOWSKI
Drawn Date: 4/01/11
Revision: NO CHANGE THIS SHEET
Revision:
Revised By: J.J.
Date: 10/19/11
Revised By:
Date:
Description: DESIGN PRESSURE & GLASS TYPES
Title: FIXED WINDOW INSTALLATION GUIDELINES
Scale: NTS
Sheet: 2 OF 8
Drawing No. MD-PW220-01
Series/Model: PW-220
Revr: A

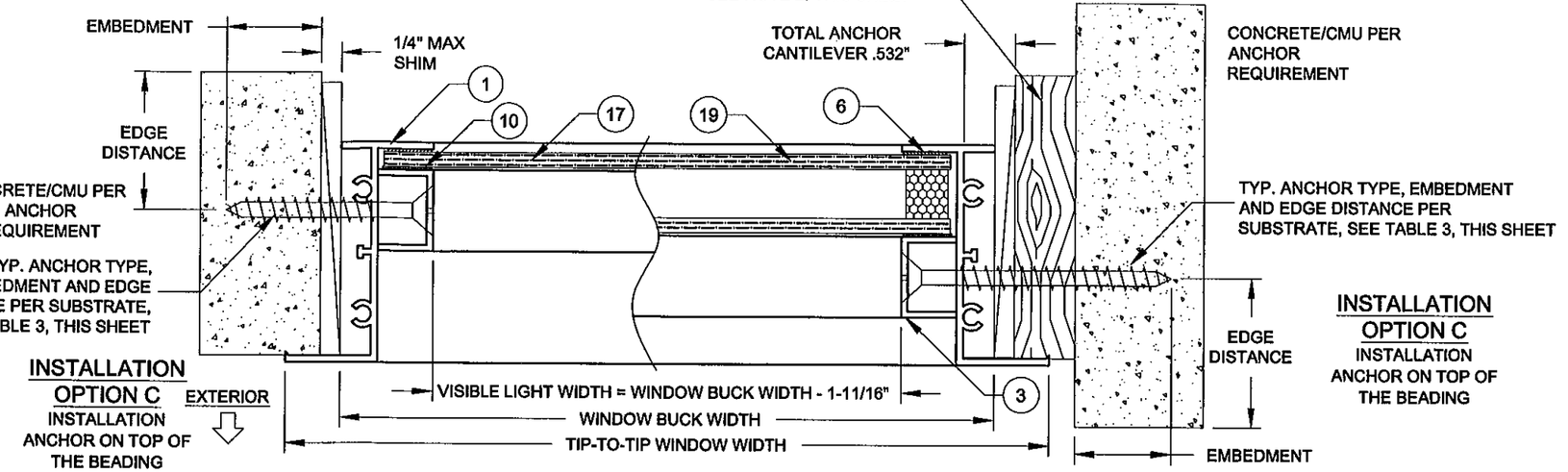
PGT®
1070 TECHNOLOGY DRIVE
N. VENICE, FL 34275
P.O. BOX 1529
NOKOMIS, FL 34274
CERT. OF AUTH. #29296

ANTHONY LYNN MILLER LICENSE No. 58705 STATE OF FLORIDA PROFESSIONAL ENGINEER
10/26/11
A. LYNN MILLER, P.E.
P.E.# 58705

INSTALLATION DETAILS FOR FLANGE FRAMES



VERTICAL SECTION B-B



HORIZONTAL SECTION A-A

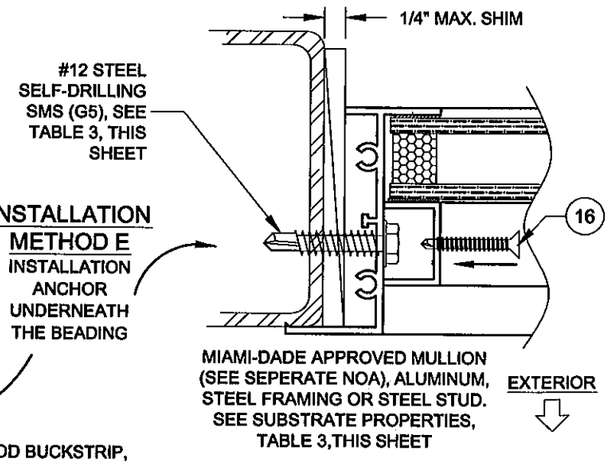


TABLE 3:

Anchor Group	Anchor	Substrate	Min. Edge Distance	Min. Embedment
A	1/4" 410 SS CreteFlex	Concrete (min. 3.35 ksi)	1"	1"
		Ungrouted CMU, (ASTM C-90)	1"	1-1/4"
B	1/4" Steel Ultracon	Ungrouted CMU, (ASTM C-90)	1"	1-1/4"
	#12 Steel Screw (G5)	P.T. Southern Pine (SG = .55)	9/16"	1-3/8"
		Aluminum, 6063-T5 min.	3/8"	1/8"
		Steel Stud, Gr. 33 min.	3/8"	0.0346" (20 Ga)
		A36 Steel	3/8"	1/8"
C	1/4" 410 SS CreteFlex	P.T. Southern Pine (SG = .55)	1"	1-3/8"
		Ungrouted CMU, (ASTM C-90)	2-1/2"	1-1/4"
	1/4" Steel Ultracon	P.T. Southern Pine (SG = .55)	1"	1-3/8"
		Concrete (min. 2.7 ksi)	1"	1-3/8"

NOTES

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

2) MASONRY ANCHORS MAY BE USED INTO WOOD AS PER TABLE 3, THIS SHEET. ALL WOOD BUCKS LESS THAN 1-1/2" THICK ARE TO BE CONSIDERED 1X INSTALLATIONS. 1X WOOD BUCKS ARE OPTIONAL IF UNIT IS INSTALLED DIRECTLY TO SUBSTRATE. WOOD BUCKS DEPICTED AS 2X ARE 1-1/2" THICK OR GREATER. 1X AND 2X BUCKS (WHEN USED) SHALL BE DESIGNED TO PROPERLY TRANSFER LOADS TO THE STRUCTURE. WOOD BUCK DESIGN AND INSTALLATION IS THE RESPONSIBILITY OF THE ENGINEER OR ARCHITECT OF RECORD.

3) VISIBLE LIGHT WIDTH OR HEIGHT (ALSO REFERRED TO AS DAYLIGHT OPENING) IS MEASURED FROM BEADING TO BEADING.

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

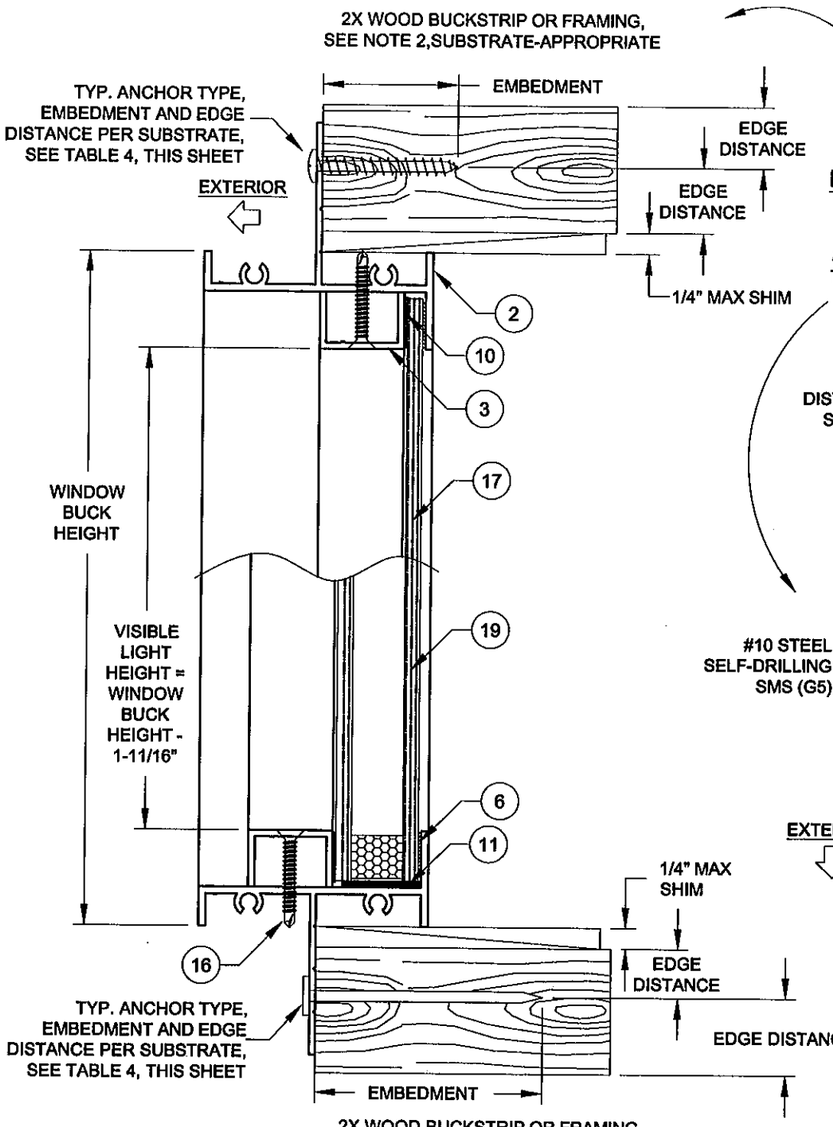
PGT®
1070 TECHNOLOGY DRIVE
N. VENICE, FL 34275
P.O. BOX 1529
NOKOMIS, FL 34274
CERT. OF AUTH. #29296

PRODUCT REVISED as complying with the Florida Building Code
Acceptance No 11-1114.14
Expiration Date 08/18/2016
By Miami Dade Product Control

Revised By:	Date:	Revision:
J.J.	10/19/11	NO CHANGE THIS SHEET

Description: FLANGE FRAME INSTALLATION DETAILS
Drawn By: J ROSOWSKI
Title: FIXED WINDOW INSTALLATION GUIDELINES
Date: 4/01/11
Series/Model: PW-220
Scale: NTS
Sheet: 3 OF 8
Drawing No. MD-PW220-01
Rev: A

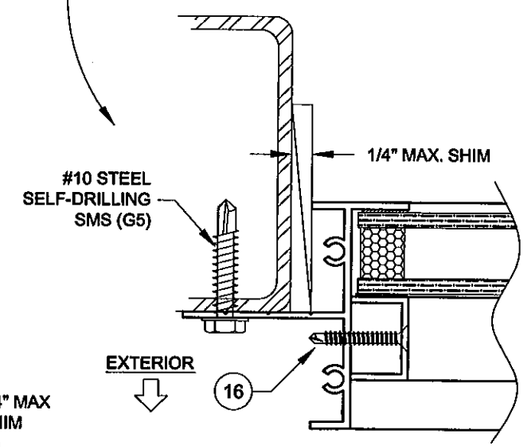
INSTALLATION DETAILS FOR FIN FRAMES



INSTALLATION OPTION D
INSTALLATION ANCHOR (SCREW) THROUGH THE FIN

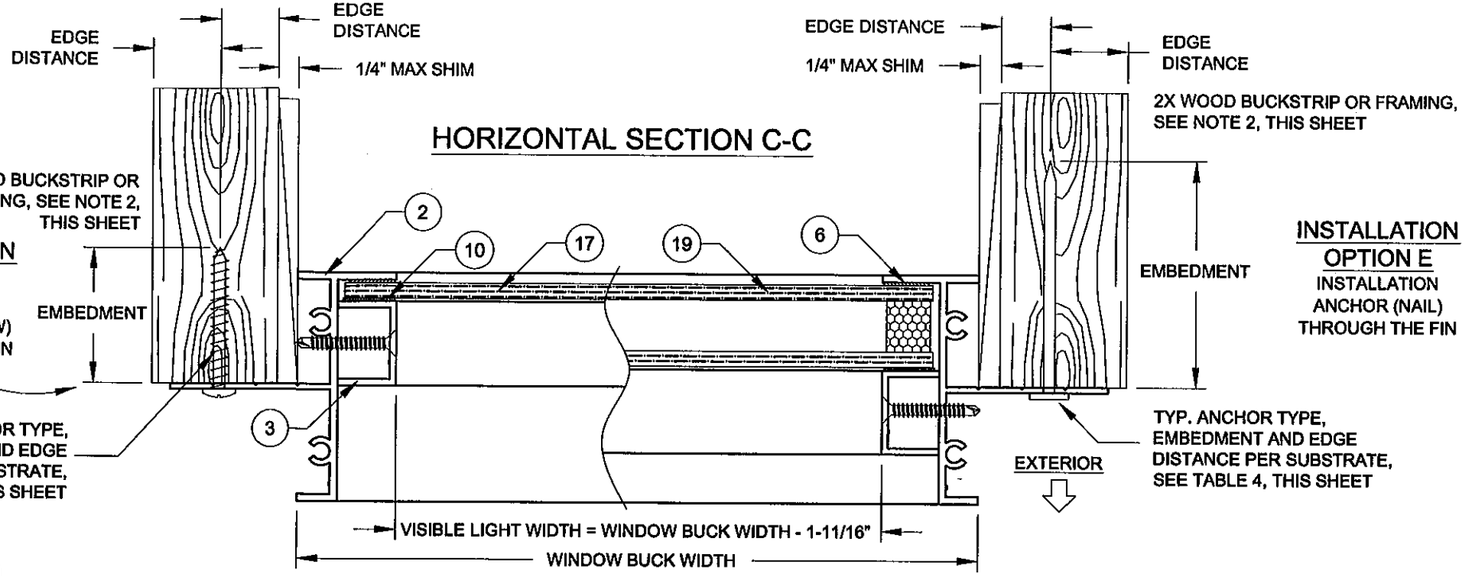
INSTALLATION OPTION E
INSTALLATION ANCHOR (NAIL) THROUGH THE FIN

VERTICAL SECTION D-D



ALUMINUM/STEEL FRAMING OR STEEL STUD. SEE SUBSTRATE PROPERTIES , TABLE 4, THIS SHEET.

HORIZONTAL SECTION C-C



MULLION SECTION

MIAMI-DADE APPROVED MULLION, (SEE SEPERATE NOA), MAY BE VERTICAL OR HORIZONTAL. MAX. 1/4" SHIM. SEE SUBSTRATE PROPERTIES, TABLE 4, THIS SHEET.

TABLE 4:

Anchor	Substrate	Min. Edge Distance	Min. Embedment
2-1/2" x .113" Box Nail	P.T. Southern Pine (SG = .55)	5/16"	2-7/16"
2-1/2" x .131" Common Nail	P.T. Southern Pine (SG = .55)	3/8"	2-7/16"
2-1/2" x .145" Roofing Nail	P.T. Southern Pine (SG = .55)	3/8"	2-7/16"
#10 Steel SMS	P.T. Southern Pine (SG = .55)	7/16"	1-3/8"
	Aluminum, 6063-T5 min.	3/8"	1/8"
	Steel Stud, Gr. 33 min.	3/8"	0.0346" (20 Ga)
	A36 Steel	3/8"	1/8"

NOTES

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

2) VISIBLE LIGHT WIDTH OR HEIGHT (ALSO REFERRED TO AS DAYLIGHT OPENING) IS MEASURED FROM BEADING TO BEADING.

ANTHONY LYNN MILLER LICENSE No. 58705 STATE OF FLORIDA PROFESSIONAL ENGINEER
10/26/11
A. LYNN MILLER, P.E.
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Revised By:	Date:	Revision:
J.J.	10/19/11	NO CHANGE THIS SHEET
Revised By:	Date:	Revision:

Description: FIN FRAME INSTALLATION DETAILS
Drawn By: J ROSOWSKI
Title: FIXED WINDOW INSTALLATION GUIDELINES
Date: 4/01/11
Series/Model: PW-220
Scale: NTS
Sheet: 4 OF 8
Drawing No. MD-PW220-01
Rev: A

TABLE 5:

Maximum Anchor Spacing Allowed, (in) — **Glass: 3/16" or 1/4" Annealed Glass, Monolithic or Insulated** — **Frame: Square or Rectangular**

Long Side (in) ⇨		53.67		55		57		60		62	65	68	72	75	80	84	90	96	102	110	120	130	144	145
Anchor Group ⇨		A	B & C	A	B & C	A	B & C	A	B & C	A, B & C	A, B & C	A, B & C	A, B & C	A, B & C	A, B & C	A, B & C	A, B & C	A, B & C	A, B & C	A, B & C	A, B & C	A, B & C	A, B & C	A, B & C
Short Side (in) 19	Short Side	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16
	Long Side	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16
20	Short Side	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	
	Long Side	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	
22	Short Side	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16		
	Long Side	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16		
24	Short Side	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16			
	Long Side	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16			
26	Short Side	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16				
	Long Side	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16				
28	Short Side	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16					
	Long Side	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16					
30	Short Side	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16						
	Long Side	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16						
32	Short Side	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16							
	Long Side	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16							
34	Short Side	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16								
	Long Side	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16								
36	Short Side	16	16	16	16	16	16	16	16	16	16	16	16	16	16									
	Long Side	16	16	16	16	16	16	16	16	16	16	16	16	16	16									
38	Short Side	16	16	16	16	16	16	16	16	16	16	16	16	16										
	Long Side	16	16	16	16	16	16	16	16	16	16	16	16	16										
40	Short Side	16	16	16	16	16	16	16	16	16	16	16	16											
	Long Side	16	16	16	16	16	16	16	16	16	16	16	16											
42	Short Side	16	16	16	16	16	16	16	16	16	16	16												
	Long Side	15.9	16	16	16	16	16	16	16	16	16	16												
44	Short Side	16	16	16	16	16	16	16	16	16	16													
	Long Side	15.4	16	15.6	16	16	16	16	16	16	16													
46	Short Side	16	16	16	16	16	16	16	16	16														
	Long Side	14.9	16	15.2	16	15.5	16	16	16	16														
48	Short Side	16	16	16	16	16	16	16	16															
	Long Side	14.4	16	14.7	16	15.1	16	15.6	16															
50	Short Side	16	16	16	16	16	16																	
	Long Side	13.9	16	14.2	16	14.6	16																	
52	Short Side	15.8	16	16	16																			
	Long Side	13.4	16	13.7	16																			
53.7	Short Side	15.2	16																					
	Long Side	15.2	16																					

NOTES

1) USE THIS TABLE FOR ALL SQUARE OR RECTANGULAR WINDOWS THAT ARE GLAZED WITH ANNEALED GLASS.

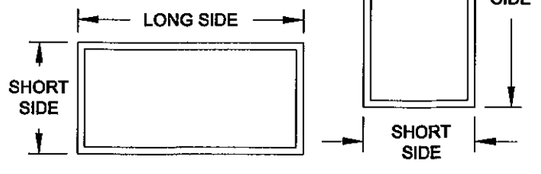
2) FOR SIZES NOT SHOWN, ROUND UP TO THE NEXT AVAILABLE WIDTH OR HEIGHT DIMENSION SHOWN ON THE TABLE.

3) FOR ARCHITECTURAL SHAPE WINDOWS, USE THE TABLES ON SHEET 7.

4) THE WINDOW WIDTH AND HEIGHT MAY BE REVERSED TO OBTAIN A MORE ACCURATE RESULT FROM THE TABLE (SEE FIGURE, THIS SHEET).

5) TIP-TO-TIP DIMENSIONS FOR FLANGE WINDOWS SHOWN. FOR FIN WINDOWS OR BUCK DIMENSIONS, SUBTRACT 1".

TABLE DIMENSIONS MAY BE ORIENTED VERTICALLY OR HORIZONTALLY AS SHOWN.



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Drawn By: J ROSOWSKI
Drawn Date: 4/01/11
Revision: NO CHANGE THIS SHEET
Revision:
Revised By: J.J.
Date: 10/19/11
Revised By:
Date:
Description: ANCHOR SPACING, ANN. GLASS
Title: FIXED WINDOW INSTALLATION GUIDELINES
Scale: NTS
Sheet: 5 OF 8
Drawing No. MD-PW220-01
Rev: A
Series/Model: PW-220

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TABLE 6:

Maximum Anchor Spacing Allowed, (in) — **Glass : 3/16" or 1/4" Tempered Glass, Monolithic or Insulated** — **Frame: Square or Rectangular**

Short Side (in)		Long Side (in) ⇨	75.894			77			80			82			84			87			90			92			96			99		
		Anchor Group ⇨	A	B	C	A	B	C	A	B	C	A	B	C	A	B	C	A	B	C	A	B	C	A	B	C	A	B	C	A	B	C
39		Short Side	10.5	16.0	16.0	10.6	16.0	16.0	10.7	16.0	16.0	10.8	16.0	16.0	10.9	16.0	16.0	11.0	16.0	16.0	11.2	16.0	16.0	11.3	16.0	16.0	11.4	16.0	16.0	11.5	16.0	16.0
		Long Side	9.1	13.8	16.0	9.1	13.9	16.0	9.2	14.1	16.0	9.3	14.2	16.0	9.4	14.3	16.0	9.5	14.4	16.0	9.6	14.6	16.0	9.6	14.7	16.0	9.7	14.8	16.0	9.8	14.9	16.0
40		Short Side	10.3	16.0	16.0	10.4	16.0	16.0	10.6	16.0	16.0	10.7	16.0	16.0	10.8	16.0	16.0	10.9	16.0	16.0	11.0	16.0	16.0	11.1	16.0	16.0	11.3	16.0	16.0	11.4	16.0	16.0
		Long Side	9.0	13.7	16.0	9.0	13.8	16.0	9.2	13.9	16.0	9.2	14.1	16.0	9.3	14.2	16.0	9.4	14.3	16.0	9.5	14.5	16.0	9.6	14.6	16.0	9.7	14.7	16.0	9.8	14.8	16.0
42		Short Side	10.0	16.0	16.0	10.1	16.0	16.0	10.3	16.0	16.0	10.4	16.0	16.0	10.5	16.0	16.0	10.6	16.0	16.0	10.7	16.0	16.0	10.8	16.0	16.0	11.0	16.0	16.0	11.1	16.0	16.0
		Long Side	8.8	13.5	16.0	8.9	13.5	16.0	9.0	13.7	16.0	9.1	13.8	16.0	9.2	13.9	16.0	9.3	14.1	16.0	9.4	14.3	16.0	9.4	14.4	16.0	9.5	14.5	16.0	9.6	14.7	16.0
44		Short Side	9.8	16.0	16.0	9.8	16.0	16.0	10.0	16.0	16.0	10.1	16.0	16.0	10.2	16.0	16.0	10.3	16.0	16.0	10.5	16.0	16.0	10.6	16.0	16.0	10.7	16.0	16.0	10.8	16.0	16.0
		Long Side	8.7	13.2	16.0	8.7	13.3	16.0	8.9	13.5	16.0	8.9	13.6	16.0	9.0	13.7	16.0	9.1	13.9	16.0	9.2	14.1	16.0	9.3	14.1	16.0	9.4	14.3	16.0	9.5	14.5	16.0
46		Short Side	9.5	15.6	16.0	9.6	15.7	16.0	9.7	16.0	16.0	9.8	16.0	16.0	9.9	16.0	16.0	10.1	16.0	16.0	10.2	16.0	16.0	10.3	16.0	16.0	10.5	16.0	16.0	10.6	16.0	16.0
		Long Side	8.5	13.0	16.0	8.6	13.0	16.0	8.7	13.3	16.0	8.8	13.4	16.0	8.9	13.5	16.0	9.0	13.7	16.0	9.1	13.8	16.0	9.2	13.9	16.0	9.3	14.1	16.0	9.4	14.3	16.0
48		Short Side	9.2	15.1	16.0	9.3	15.2	16.0	9.5	15.5	16.0	9.6	15.7	16.0	9.7	15.9	16.0	9.9	16.0	16.0	10.0	16.0	16.0	10.1	16.0	16.0	10.3	16.0	16.0	10.4	16.0	16.0
		Long Side	8.4	12.7	16.0	8.4	12.8	16.0	8.6	13.0	16.0	8.6	13.2	16.0	8.7	13.3	16.0	8.8	13.5	16.0	9.0	13.6	16.0	9.0	13.7	16.0	9.2	13.9	16.0	9.3	14.1	16.0
50		Short Side	9.0	14.6	16.0	9.1	14.7	16.0	9.3	15.1	16.0	9.4	15.3	16.0	9.5	15.4	16.0	9.6	15.7	16.0	9.8	16.0	16.0	9.9	16.0	16.0	10.0	16.0	16.0	10.2	16.0	16.0
		Long Side	8.2	12.5	16.0	8.3	12.6	16.0	8.4	12.8	16.0	8.5	12.9	16.0	8.6	13.1	16.0	8.7	13.3	16.0	8.8	13.4	16.0	8.9	13.5	16.0	9.0	13.8	16.0	9.1	13.9	16.0
52		Short Side	8.8	14.2	16.0	8.8	14.3	16.0	9.0	14.6	16.0	9.1	14.8	16.0	9.3	15.0	16.0	9.4	15.3	16.0	9.6	15.5	16.0	9.7	15.7	16.0	9.8	16.0	16.0	10.0	16.0	16.0
		Long Side	8.0	12.2	16.0	8.1	12.3	16.0	8.2	12.6	16.0	8.3	12.7	16.0	8.4	12.8	16.0	8.6	13.0	16.0	8.7	13.2	16.0	8.8	13.3	16.0	8.9	13.6	16.0	9.0	13.7	16.0
54		Short Side	8.5	13.7	16.0	8.6	13.9	16.0	8.8	14.2	16.0	8.9	14.4	16.0	9.0	14.6	16.0	9.2	14.9	16.0	9.4	15.1	16.0	9.5	15.3	16.0	9.6	15.6	16.0	9.8	15.9	16.0
		Long Side	7.9	12.0	16.0	7.9	12.1	16.0	8.1	12.3	16.0	8.2	12.5	16.0	8.3	12.6	16.0	8.4	12.8	16.0	8.6	13.0	16.0	8.6	13.1	16.0	8.8	13.4	16.0	8.9	13.5	16.0
56		Short Side	8.3	13.3	16.0	8.4	13.4	16.0	8.6	13.8	16.0	8.7	14.0	16.0	8.8	14.2	16.0	9.0	14.5	16.0	9.2	14.8	16.0	9.3	14.9	16.0	9.5	15.2	16.0	9.6	15.5	16.0
		Long Side	7.7	11.7	16.0	7.8	11.8	16.0	7.9	12.1	16.0	8.0	12.2	16.0	8.1	12.4	16.0	8.3	12.6	16.0	8.4	12.8	16.0	8.5	12.9	16.0	8.7	13.2	16.0	8.8	13.3	16.0
58		Short Side	8.1	12.9	16.0	8.2	13.1	16.0	8.4	13.4	16.0	8.5	13.6	16.0	8.6	13.8	16.0	8.8	14.1	16.0	9.0	14.4	16.0	9.1	14.6	16.0	9.3	14.9	16.0	9.4	15.1	16.0
		Long Side	7.6	11.5	15.7	7.6	11.6	15.8	7.8	11.9	16.0	7.9	12.0	16.0	8.0	12.2	16.0	8.1	12.4	16.0	8.3	12.6	16.0	8.4	12.7	16.0	8.5	13.0	16.0	8.6	13.1	16.0
60		Short Side	7.9	12.6	16.0	8.0	12.7	16.0	8.2	13.0	16.0	8.3	13.3	16.0	8.5	13.5	16.0	8.6	13.8	16.0	8.8	14.0	16.0	8.9	14.2	16.0	9.1	14.5	16.0			
		Long Side	7.4	11.2	15.3	7.5	11.4	15.5	7.6	11.6	15.8	7.7	11.8	16.0	7.9	12.0	16.0	8.0	12.2	16.0	8.1	12.4	16.0	8.2	12.5	16.0	8.4	12.8	16.0			
62		Short Side	7.7	12.2	16.0	7.8	12.3	16.0	8.0	12.7	16.0	8.1	12.9	16.0	8.3	13.1	16.0	8.4	13.4	16.0	8.6	13.7	16.0	8.7	13.9	16.0						
		Long Side	7.2	11.0	15.0	7.3	11.1	15.1	7.5	11.4	15.5	7.6	11.6	15.8	7.7	11.7	16.0	7.9	12.0	16.0	8.0	12.2	16.0	8.1	12.3	16.0						
64		Short Side	7.5	11.9	16.0	7.6	12.0	16.0	7.8	12.3	16.0	7.9	12.6	16.0	8.1	12.8	16.0	8.3	13.1	16.0	8.4	13.4	16.0									
		Long Side	7.1	10.8	14.7	7.1	10.9	14.8	7.3	11.2	15.2	7.5	11.3	15.4	7.6	11.5	15.7	7.7	11.8	16.0	7.9	12.0	16.0									
66		Short Side	7.3	11.5	16.0	7.4	11.7	16.0	7.6	12.0	16.0	7.8	12.2	16.0	7.9	12.5	16.0	8.1	12.8	16.0												
		Long Side	6.9	10.5	14.3	7.0	10.6	14.5	7.2	10.9	14.9	7.3	11.1	15.1	7.4	11.3	15.4	7.6	11.5	15.7												
68		Short Side	7.1	11.2	15.8	7.2	11.3	16.0	7.4	11.7	16.0	7.6	11.9	16.0	7.7	12.2	16.0															
		Long Side	6.7	10.3	14.0	6.8	10.4	14.1	7.0	10.7	14.6	7.2	10.9	14.8	7.3	11.1	15.1															
70		Short Side	6.9	10.9	15.3	7.0	11.0	15.5	7.2	11.4	16.0	7.4	11.6	16.0																		
		Long Side	6.6	10.0	13.7	6.7	10.1	13.8	6.9	10.5	14.3	7.0	10.7	14.5																		
72		Short Side	6.7	10.5	14.8	6.8	10.7	15.1	6.7	10.5	14.8																					
		Long Side	6.4	9.8	13.3	6.5	9.9	13.5	6.4	9.8	13.3																					
74		Short Side	6.6	10.2	14.4	6.6	10.4	14.6																								
		Long Side	6.3	9.5	13.0	6.3	9.7	13.2																								
75.894		Short Side	6.4	10.0	13.9																											
		Long Side	6.4	10.0	13.9																											

TABLE 6, CONT.:

Maximum Anchor Spacing Allowed, (in) — **Glass : 3/16" or 1/4" Tempered Glass, Monolithic or Insulated** — **Frame: Square or Rectangular**

Short Side (in)		Long Side (in) ⇨	102			106			110			115			120			125			130			137			144			145		
		Anchor Group ⇨	A	B	C	A	B	C	A	B	C	A	B	C	A	B	C	A	B	C	A	B	C	A	B	C	A	B	C	A	B	C
39		Short Side	11.6	16.0	16.0	11.7	16.0	16.0	11.9	16.0	16.0	12.0	16.0	16.0	12.1	16.0	16.0	12.2	16.0	16.0	12.3	16.0	16.0	12.5	16.0	16.0	12.6	16.0	16.0	12.6	16.0	16.0
		Long Side	9.9	15.0	16.0	10.0	15.2	16.0	10.1	15.3	16.0	10.1	15.4	16.0	10.2	15.6	16.0	10.3	15.7	16.0	10.4	15.8	16.0	10.5	15.9	16.0	10.6	16.0	16.0	10.6	16.0	16.0
40		Short Side	11.5	16.0	16.0	11.6	16.0	16.0	11.7	16.0	16.0	11.8	16.0	16.0	12.0	16.0	16.0	12.1	16.0	16.0	12.2	16.0	16.0	12.3	16.0	16.0	12.5	16.0	16.0			
		Long Side	9.8	15.0	16.0	9.9	15.1	16.0	10.0	15.2	16.0	10.1	15.4	16.0	10.2	15.5	16.0	10.3	15.6	16.0	10.3	15.7	16.0	10.4	15.9	16.0	10.5	16.0	16.0			
42		Short Side	11.2	16.0	16.0	11.3	16.0	16.0	11.4	16.0	16.0	11.6	16.0	16.0	11.7	16.0	16.0	11.8	16.0	16.0	11.9	16.0	16.0	12.1	16.0	16.0						
		Long Side	9.7	14.8	16.0	9.8	14.9	16.0	9.9	15.0	16.0	10.0	15.2	16.0	10.1	15.3	16.0	10.2	15.5	16.0	10.2	15.6	16.0	10.3	15.7	16.0						
44		Short Side	10.9	16.0	16.0	11.1	16.0	16.0	11.2	16.0	16.0	11.3	16.0	16.0	11.5	16.0	16.0	11.6	16.0	16.0	11.7	16.0	16.0									
		Long Side	9.6	14.6	16.0	9.7	14.7	16.0	9.8	14.9	16.0	9.9	15.0	16.0	10.0	15.2	16.0	10.1	15.3	16.0	10.2	15.4	16.0									
46		Short Side	10.7	16.0	16.0	10.8	16.0	16.0	11.0	16.0	16.0	11.1	16.0	16.0	11.3	16.0	16.0	11.4	16.0	16.0												
		Long Side	9.5	14.4	16.0	9.6	14.6	16.0	9.7	14.7	16.0	9.8	14.9	16.0	9.9	15.0	16.0	10.0	15.2	16.0												
48		Short Side	10.5	16.0	16.0	10.6	16.0	16.0	10.8	16.0	16.0	10.9	16.0	16.0	11.0	16.0	16.0															
		Long Side	9.3	14.2	16.0	9.5	14.4	16.0	9.6	14.5	16.0	9.7	14.7	16.0	9.8	14.9	16.0															
50		Short Side	10.3	16.0	16.0	10.4	16.0	16.0	10.6	16.0	16.0	10.7	16.0	16.0																		
		Long Side	9.2	14.0	16.0	9.3	14.2	16.0	9.4	14.4	16.0	9.6	14.6	16.0																		
52		Short Side	10.1	16.0	16.0	10.2	16.0	16.0	10.4	16.0	16.0																					
		Long Side	9.1	13.9	16.0	9.2	14.0	16.0	9.3	14.2	16.0																					
54		Short Side	9.9	16.0	16.0	10.0	16.0	16.0																								
		Long Side	9.0	13.7	16.0	9.1	13.9	16.0																								
56		Short Side	9.7	15.7	16.0																											
		Long Side	8.9	13.5	16.0																											

NOTES

1) USE THIS TABLE FOR ALL SQUARE OR RECTANGULAR WINDOWS THAT ARE GLAZED WITH TEMPERED GLASS.

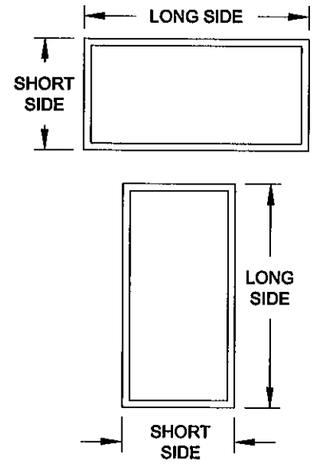
2) FOR SIZES NOT SHOWN, ROUND UP TO THE NEXT AVAILABLE WIDTH OR HEIGHT DIMENSION SHOWN ON THE TABLE.

3) FOR ARCHITECTURAL SHAPE WINDOWS, USE THE TABLES ON SHEET 7.

4) THE WINDOW WIDTH AND HEIGHT MAY BE REVERSED TO OBTAIN A MORE ACCURATE RESULT FROM THE TABLE (SEE FIGURE, THIS SHEET).

5) TIP-TO-TIP DIMENSIONS FOR FLANGE WINDOWS SHOWN. FOR FIN WINDOWS OR BUCK DIMENSIONS, SUBTRACT 1".

TABLE DIMENSIONS MAY BE ORIENTED VERTICALLY OR HORIZONTALLY AS SHOWN.



PRODUCT REVISED
as complying with the Florida Building Code
Acceptance No 11-1114.14
Expiration Date 08/28/2016
By
Miami Dade Product Control

Drawn By: J ROSOWSKI
Drawn Date: 4/01/11
Revision: NO CHANGE THIS SHEET
Revision:
Revised By: J.J.
Date: 10/19/11
Revised By:
Date:
Description: ANCHOR SPACING, TEMP. GLASS
Title: FIXED WINDOW INSTALLATION GUIDELINES
Series/Model: PW-220
Drawing No. MD-PW220-01
Rev: A
Scale: NTS
Sheet: 6 OF 8

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NOKOMIS, FL 34274

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ANTHONY LYNN MILLER LICENSE No. 58705 STATE OF FLORIDA PROFESSIONAL ENGINEER
10/26/11
A. LYNN MILLER, P.E.
P.E.# 58705

TABLE 7:

Maximum Anchor Spacing Allowed for all Frame Types, (in) — **Glass: 3/16" or 1/4" Annealed Glass, Monolithic or Insulated** — **Frame: Architectural Shapes**

Short Side (in) \ Long Side (in) ⇨	53.665		55		57		60		62	65	68	72	75	80	84	90	96	102	110	120	130	144	145
Anchor Group ⇨	A	B & C	A	B & C	A	B & C	A	B & C	A, B & C	A, B & C	A, B & C	A, B & C	A, B & C	A, B & C	A, B & C	A, B & C	A, B & C	A, B & C	A, B & C	A, B & C	A, B & C	A, B & C	A, B & C
19	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16
20	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	
22	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16		
24	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16			
26	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16				
28	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16					
30	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16						
32	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16							
34	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16								
36	16	16	16	16	16	16	16	16	16	16	16	16	16	16									
38	16	16	16	16	16	16	16	16	16	16	16	16	16										
40	16	16	16	16	16	16	16	16	16	16	16	16											
42	15.9	16	16	16	16	16	16	16	16	16	16												
44	15.4	16	15.6	16	16	16	16	16	16	16													
46	14.9	16	15.2	16	15.5	16	16	16	16														
48	14.4	16	14.7	16	15.1	16	15.6	16															
50	13.9	16	14.2	16	14.6	16																	
52	13.4	16	13.7	16																			
53.665	15.2	16																					

TABLE 8:

Maximum Anchor Spacing Allowed for all Frame Types, (in) — **Glass: 3/16" or 1/4" Tempered Glass, Monolithic or Insulated** — **Frame: Architectural Shapes**

Short Side (in) \ Long Side (in) ⇨	75.894			77			80			82			84			87			90			92			96			99		
Anchor Group ⇨	A	B	C	A	B	C	A	B	C	A	B	C	A	B	C	A	B	C	A	B	C	A	B	C	A	B	C	A	B	C
39	9.1	13.8	16.0	9.1	13.9	16.0	9.2	14.1	16.0	9.3	14.2	16.0	9.4	14.3	16.0	9.5	14.4	16.0	9.6	14.6	16.0	9.6	14.7	16.0	9.7	14.8	16.0	9.8	14.9	16.0
40	9.0	13.7	16.0	9.0	13.8	16.0	9.2	13.9	16.0	9.2	14.1	16.0	9.3	14.2	16.0	9.4	14.3	16.0	9.5	14.5	16.0	9.6	14.6	16.0	9.7	14.7	16.0	9.8	14.8	16.0
42	8.8	13.5	16.0	8.9	13.5	16.0	9.0	13.7	16.0	9.1	13.8	16.0	9.2	13.9	16.0	9.3	14.1	16.0	9.4	14.3	16.0	9.4	14.4	16.0	9.5	14.5	16.0	9.6	14.7	16.0
44	8.7	13.2	16.0	8.7	13.3	16.0	8.9	13.5	16.0	8.9	13.6	16.0	9.0	13.7	16.0	9.1	13.9	16.0	9.2	14.1	16.0	9.3	14.1	16.0	9.4	14.3	16.0	9.5	14.5	16.0
46	8.5	13.0	16.0	8.6	13.0	16.0	8.7	13.3	16.0	8.8	13.4	16.0	8.9	13.5	16.0	9.0	13.7	16.0	9.1	13.8	16.0	9.2	13.9	16.0	9.3	14.1	16.0	9.4	14.3	16.0
48	8.4	12.7	16.0	8.4	12.8	16.0	8.6	13.0	16.0	8.6	13.2	16.0	8.7	13.3	16.0	8.8	13.5	16.0	9.0	13.6	16.0	9.0	13.7	16.0	9.2	13.9	16.0	9.3	14.1	16.0
50	8.2	12.5	16.0	8.3	12.6	16.0	8.4	12.8	16.0	8.5	12.9	16.0	8.6	13.1	16.0	8.7	13.3	16.0	8.8	13.4	16.0	8.9	13.5	16.0	9.0	13.8	16.0	9.1	13.9	16.0
52	8.0	12.2	16.0	8.1	12.3	16.0	8.2	12.6	16.0	8.3	12.7	16.0	8.4	12.8	16.0	8.6	13.0	16.0	8.7	13.2	16.0	8.8	13.3	16.0	8.9	13.6	16.0	9.0	13.7	16.0
54	7.9	12.0	16.0	7.9	12.1	16.0	8.1	12.3	16.0	8.2	12.5	16.0	8.3	12.6	16.0	8.4	12.8	16.0	8.6	13.0	16.0	8.6	13.1	16.0	8.8	13.4	16.0	8.9	13.5	16.0
56	7.7	11.7	16.0	7.8	11.8	16.0	7.9	12.1	16.0	8.0	12.2	16.0	8.1	12.4	16.0	8.3	12.6	16.0	8.4	12.8	16.0	8.5	12.9	16.0	8.7	13.2	16.0	8.8	13.3	16.0
58	7.6	11.5	15.7	7.6	11.6	15.8	7.8	11.9	16.0	7.9	12.0	16.0	8.0	12.2	16.0	8.1	12.4	16.0	8.3	12.6	16.0	8.4	12.7	16.0	8.5	13.0	16.0	8.6	13.1	16.0
60	7.4	11.2	15.3	7.5	11.4	15.5	7.6	11.6	15.8	7.7	11.8	16.0	7.9	12.0	16.0	8.0	12.2	16.0	8.1	12.4	16.0	8.2	12.5	16.0	8.4	12.8	16.0			
62	7.2	11.0	15.0	7.3	11.1	15.1	7.5	11.4	15.5	7.6	11.6	15.8	7.7	11.7	16.0	7.9	12.0	16.0	8.0	12.2	16.0	8.1	12.3	16.0						
64	7.1	10.8	14.7	7.1	10.9	14.8	7.3	11.2	15.2	7.5	11.3	15.4	7.6	11.5	15.7	7.7	11.8	16.0	7.9	12.0	16.0									
66	6.9	10.5	14.3	7.0	10.6	14.5	7.2	10.9	14.9	7.3	11.1	15.1	7.4	11.3	15.4	7.6	11.5	15.7												
68	6.7	10.3	14.0	6.8	10.4	14.1	7.0	10.7	14.6	7.2	10.9	14.8	7.3	11.1	15.1															
70	6.6	10.0	13.7	6.7	10.1	13.8	6.9	10.5	14.3	7.0	10.7	14.5																		
72	6.4	9.8	13.3	6.5	9.9	13.5	6.4	9.8	13.3																					
74	6.3	9.5	13.0	6.3	9.7	13.2																								
75.894	6.4	10.0	13.9																											

TABLE 8, CONT.:

Maximum Anchor Spacing Allowed for all Frame Types, (in) — **Glass: 3/16" or 1/4" Tempered Glass, Monolithic or Insulated** — **Frame: Architectural Shapes**

Short Side (in) \ Long Side (in) ⇨	102			106			110			115			120			125			130			137			144			145		
Anchor Group ⇨	A	B	C	A	B	C	A	B	C	A	B	C	A	B	C	A	B	C	A	B	C	A	B	C	A	B	C	A	B	C
39	9.9	15.0	16.0	10.0	15.2	16.0	10.1	15.3	16.0	10.1	15.4	16.0	10.2	15.6	16.0	10.3	15.7	16.0	10.4	15.8	16.0	10.5	15.9	16.0	10.6	16.0	16.0	10.6	16.0	16.0
40	9.8	15.0	16.0	9.9	15.1	16.0	10.0	15.2	16.0	10.1	15.4	16.0	10.2	15.5	16.0	10.3	15.6	16.0	10.3	15.7	16.0	10.4	15.9	16.0	10.5	16.0	16.0			
42	9.7	14.8	16.0	9.8	14.9	16.0	9.9	15.0	16.0	10.0	15.2	16.0	10.1	15.3	16.0	10.2	15.5	16.0	10.2	15.6	16.0	10.3	15.7	16.0						
44	9.6	14.6	16.0	9.7	14.7	16.0	9.8	14.9	16.0	9.9	15.0	16.0	10.0	15.2	16.0	10.1	15.3	16.0	10.2	15.4	16.0									
46	9.5	14.4	16.0	9.6	14.6	16.0	9.7	14.7	16.0	9.8	14.9	16.0	9.9	15.0	16.0	10.0	15.2	16.0												
48	9.3	14.2	16.0	9.5	14.4	16.0	9.6	14.5	16.0	9.7	14.7	16.0	9.8	14.9	16.0															
50	9.2	14.0	16.0	9.3	14.2	16.0	9.4	14.4	16.0	9.6	14.6	16.0																		
52	9.1	13.9	16.0	9.2	14.0	16.0	9.3	14.2	16.0																					
54	9.0	13.7	16.0	9.1	13.9	16.0																								
56	8.9	13.5	16.0																											

NOTES

1) USE THESE TABLE FOR ALL ARCHITECTURAL SHAPE WINDOWS. TABLE 7 IS TO BE USED FOR ANNEALED GLASS; TABLE 8 IS TO BE USED FOR TEMPERED GLASS.

2) FOR SIZES NOT SHOWN, ROUND UP TO THE NEXT AVAILABLE WIDTH OR HEIGHT DIMENSION SHOWN ON THE TABLE.

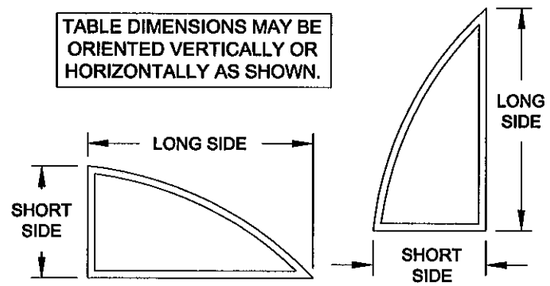
3) FOR SQUARE OR RECTANGULAR WINDOWS, USE THE TABLES ON SHEETS 5 OR 6.

4) THE WINDOW WIDTH AND HEIGHT MAY BE REVERSED TO OBTAIN A MORE ACCURATE RESULT FROM THE TABLE (SEE FIGURE, THIS SHEET).

5) USE THE SPACING SHOWN ON THE TABLES FOR THE ENTIRE WINDOW FRAME.

6) TIP-TO-TIP DIMENSIONS FOR FLANGE WINDOWS SHOWN. FOR FIN WINDOWS OR BUCK DIMENSIONS, SUBTRACT 1".

TABLE DIMENSIONS MAY BE ORIENTED VERTICALLY OR HORIZONTALLY AS SHOWN.



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Miami Dade Product Control

Drawn By: J ROSOWSKI
Drawn Date: 4/01/11
Revision: NO CHANGE THIS SHEET
Revision:
Revised By: J.J.
Revised Date: 10/19/11
Revised By:
Revised Date:
Description: ANCHOR SPACING, SHAPES ONLY
Title: FIXED WINDOW INSTALLATION GUIDELINES
Series/Model: PW-220
Drawing No. MD-PW220-01
Rev: A
Sheet: 7 OF 8
Scale: NTS

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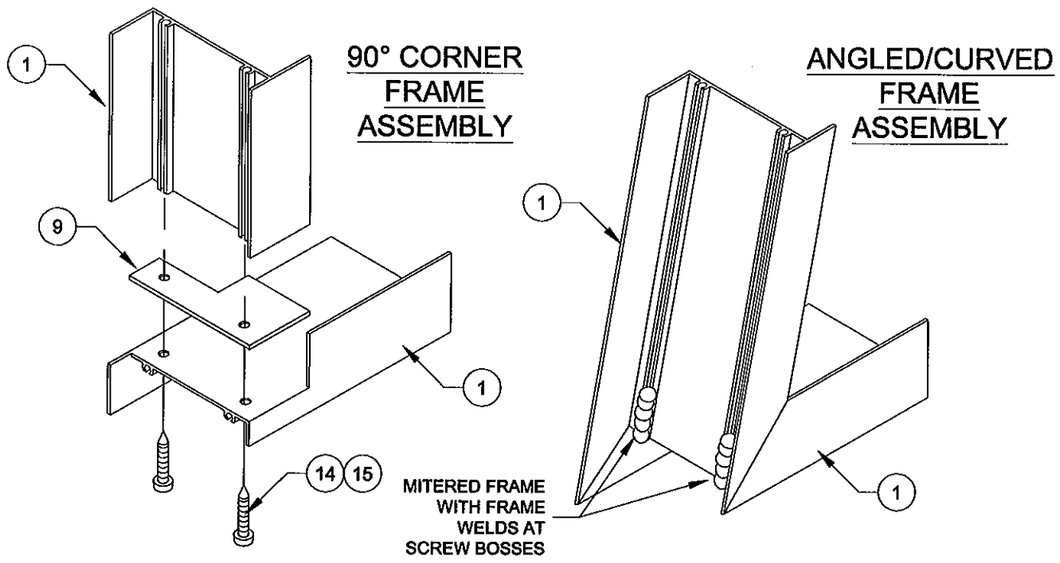
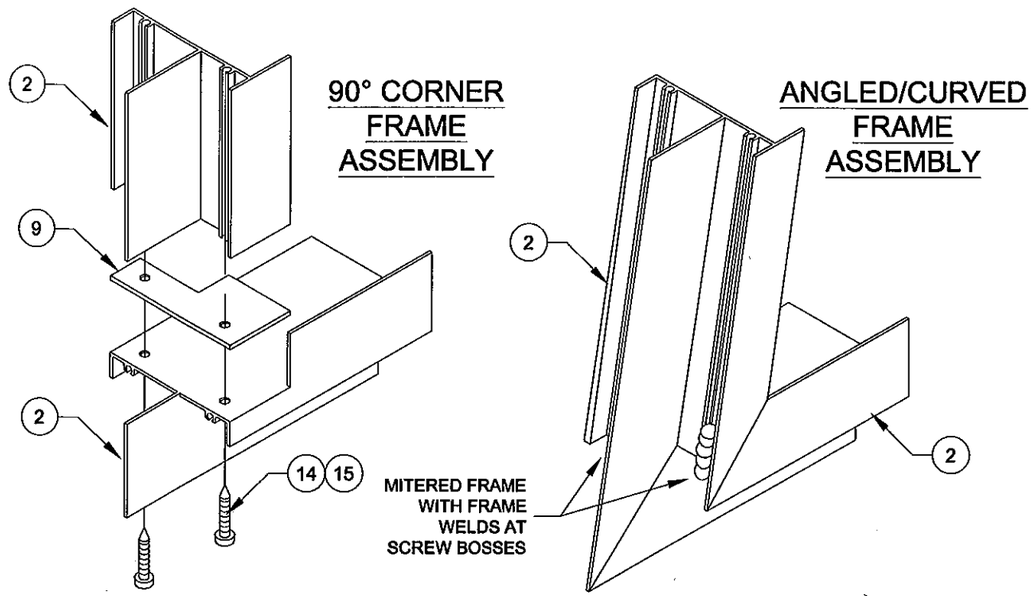


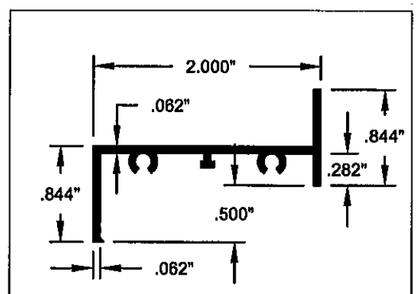
ASSEMBLY DETAILS FOR FLANGE FRAMES



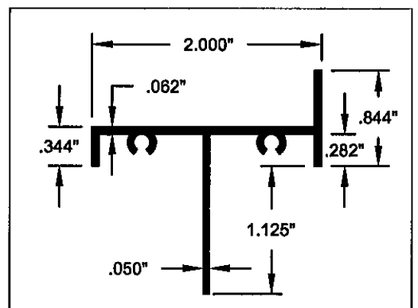
ASSEMBLY DETAILS FOR FIN FRAMES

TABLE 9:

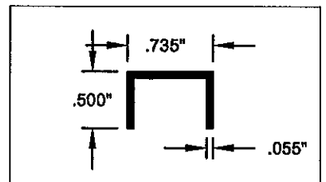
Item #	PGT Dwg. #	PGT Part #	Description
1	502	68342	Flange Frame
2	521	69097	Integral Fin Frame
3	503	61168	Glazing Bead
4		6DURAK38	3/8" Dura Seal Spacer
5		6DURAK58	5/8" Dura Seal Spacer
6			Dow 899 Silicone or Equivalent
9	589	70589C	Gasket (at 90° corner joints)
10	1208	61308K	Closed Cell Foam Tape
11	1052	71052K	Setting Block 1/16" x 3/4" x 1"
12	1265	712651K	Setting Block 1/16" x 3/16" x 1-1/2"
14	1181	7834AA	#8 X 3/4" PH PN SMS
15		781PSTX	#8 X 3/4" PH PN SMS - S.S.
16	1012	7PWSW	#6 X 7/8" PH FH SMS @ 10-1/2" O.C. Typ.
17			3/16" or 1/4" Glass
18			3/4" IG Glass (with 3/16" or 1/4")
19			1" IG Glass (with 3/16" or 1/4")



1 FLANGE FRAME
6063-T52 ALUMINUM



2 INTEGRAL FIN FRAME
6063-T52 ALUMINUM



3 GLAZING BEAD
6063-T5 ALUMINUM

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Acceptance No 11-1114.14
Expiration Date 08/18/2016
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Miami Dade Product Control

Revised By:	Date:	Revision:
J.J.	10/19/11	NO CHANGE THIS SHEET
Revised By:	Date:	Revision:

Description:	Drawn By:
BOM & CORNER ASSEMBLY DETAILS	J ROSOWSKI

Title:	Date:
FIXED WINDOW INSTALLATION GUIDELINES	4/01/11

Series/Model:	Scale:	Sheet:	Drawing No.	Rev:
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