



MIAMI-DADE COUNTY
BUILDING CODE COMPLIANCE OFFICE (BCCO)
PRODUCT CONTROL DIVISION

MIAMI-DADE COUNTY, FLORIDA
 METRO-DADE FLAGLER BUILDING

140 WEST FLAGLER STREET, SUITE 1603
 MIAMI, FLORIDA 33130-1563
 (305) 375-2901 FAX (305) 375-2908

www.buildingcodeonline.com

NOTICE OF ACCEPTANCE (NOA)

Windoor, Inc.
1978 Stanhome Way
Orlando, FL 32804

SCOPE:

This NOA is being issued under the applicable rules and regulations governing the use of construction materials. The documentation submitted has been reviewed by Miami-Dade County Product Control Division and accepted by the Board of Rules and Appeals (BORA) 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 Division (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. BORA reserves the right to revoke this acceptance, if it is determined by Miami-Dade County Product Control Division 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 2000 Aluminum Fixed Window-S.M.I.

APPROVAL DOCUMENT: Drawing No. **WIND0086**, titled "Series 2000 Picture Window Small Missile Elevation and General Notes", sheets 1 through 10 of 10, prepared by Product Technology Corporation, dated 09/16/04 with revision "A" on 04/06/05, signed and sealed by Eric S. Nielsen, P.E., bearing the Miami-Dade County Product Control Approval stamp with the Notice of Acceptance number and approval date by the Miami-Dade County Product Control Division.

MISSILE IMPACT RATING: Small Missile Impact

LABELING: Each unit shall bear a permanent label with the manufacturer's name or logo, city, state 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 consists of this page 1 and evidence pages E-1 and E-2, as well as approval document mentioned above. The submitted documentation was reviewed by **Herminio F. Gonzalez, P.E., Director, BCCO**



MX
 7/28/05

NOA No 05-0214.01
Expiration Date: August 18, 2010
Approval Date: August 18, 2005

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

A. DRAWINGS

1. Manufacturers die drawings and sections.
2. Drawing No. **WIND0086**, titled "Series 2000 Picture Window Small Missile Elevations and General Notes", sheets 1 through 10 of 10, prepared by Product Technology Corporation, dated 09/16/04 with revision "A" on 04/06/05, signed and sealed by Eric S. Nielsen, 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) Small Missile Impact Test per FBC, TAS 201-94
5) Cyclic Wind Pressure Loading per FBC, TAS 203-94
along with marked-up drawings and installation diagram of aluminum fixed window, prepared by National Certified Testing Laboratories, Test Report No. **NCTL-210-3019-3**, dated 07/13/04, signed and sealed by Gerald J. Ferrara, P.E.
2. Test reports on 1) Air Infiltration Test, per FBC, TAS 202-94
2) Uniform Static Air Pressure Test, Loading per FBC, TAS 202-94
3) Water Resistance Test, per FBC, TAS 202-94
4) Small Missile Impact Test per FBC, TAS 201-94
5) Cyclic Wind Pressure Loading per FBC, TAS 203-94
along with marked-up drawings and installation diagram of aluminum fixed window, prepared by National Certified Testing Laboratories, Test Report No. **NCTL-210-3021-2**, dated 07/15/04, signed and sealed by Gerald J. Ferrara, P.E.

C. CALCULATIONS

1. Anchor Calculations, ASTM-E1300, and structural analysis, prepared by Product Technology Corporation, dated 10/29/04, signed and sealed by Eric S. Nielsen, P.E.

D. QUALITY ASSURANCE

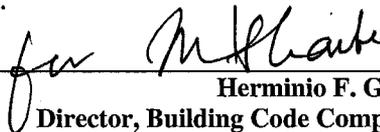
1. Miami Dade Building Code Compliance Office (BCCO).

E. MATERIAL CERTIFICATIONS

1. Notice of Acceptance No. 03-0421.01 issued to "Solutia, Inc." for "Saflex HP a Polyvinyl Butryal Interlayer" dated 05/22/03, expiring on 04/14/08.

F. STATEMENTS

1. Statement letter of conformance and no financial interest, dated February 09, 2004, signed and sealed by Eric S. Nielsen, P.E.



Herminio F. Gonzalez, P.E.

Director, Building Code Compliance Office

NOA No 05-0214.01

Expiration Date: August 18, 2010

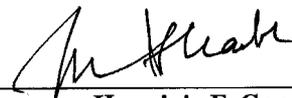
Approval Date: August 18, 2005

Windoer, Inc.

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

G. OTHER

1. Letter from the consultant stating that the product is in compliance with the Florida Building Code (FBC).



Herminio F. Gonzalez, P.E.
Director, Building Code Compliance Office
NOA No 05-0214.01
Expiration Date: August 18, 2010
Approval Date: August 18, 2005

GENERAL NOTES:

- 1) THIS PRODUCT SHOWN HEREIN IS DESIGNED AND MANUFACTURED TO COMPLY WITH THE FLORIDA BUILDING CODE INCLUDING "HVHZ". (A)
- 2) WOOD BUCK, STEEL OR WOOD FRAMING TO BE DESIGNED AND ANCHORED TO PROPERLY TRANSFER ALL LOADS TO STRUCTURE, BUCK OR FRAMING IS RESPONSIBILITY OF ARCHITECT OF RECORD.
- 3) PRODUCTS ARE APPROVED FOR USE WHERE SMALL MISSILE IMPACT RESISTANCE IS REQUIRED. SMALL MISSILE IMPACT PROTECTIVE SYSTEM IS NOT REQUIRED FOR INSTALLATION OF THIS PRODUCT 30' ABOVE GROUND LEVEL. (A)
- 4) SEE COMPARATIVE ANALYSIS & DESIGN PRESSURE TABLES ON SHEETS 2 THRU 4.

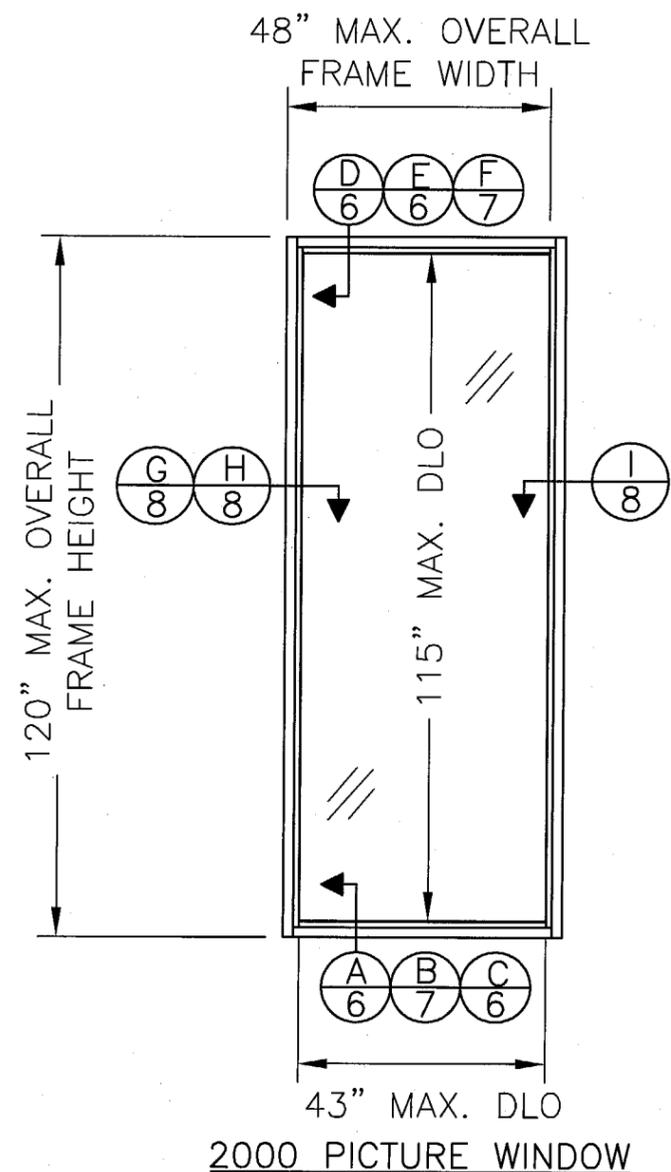
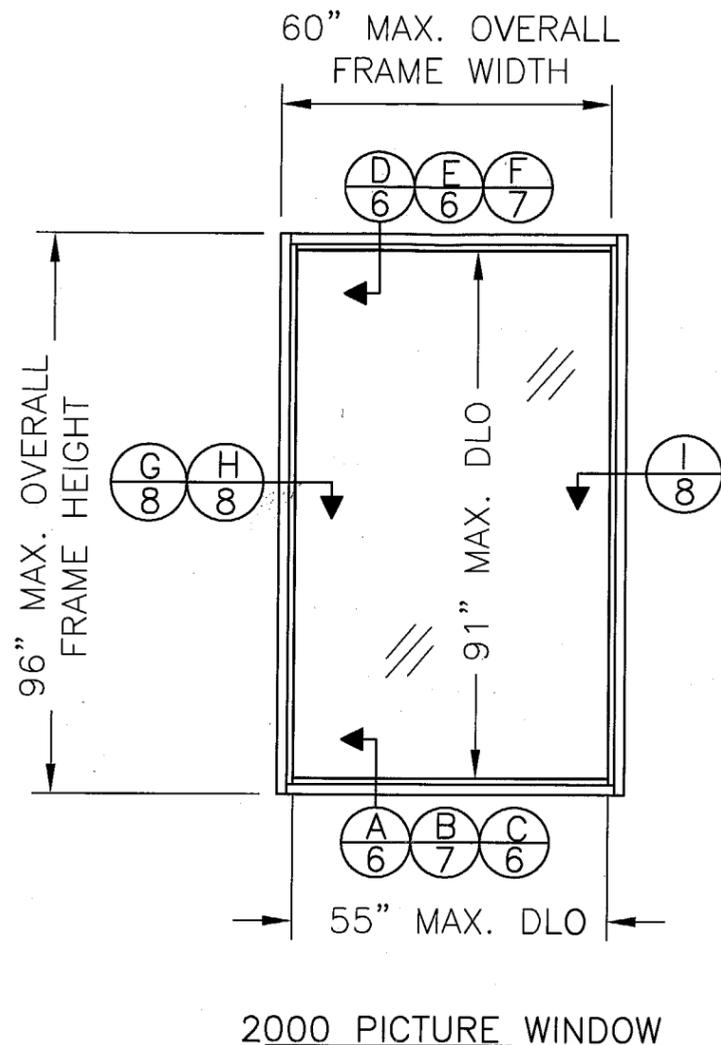


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7	VERTICAL CROSS SECTIONS
8	HORIZONTAL CROSS SECTIONS
9	GLAZING DETAILS
10	BILL OF MATERIALS & COMPONENTS

Approved as complying with the
Florida Building Code
Date 08/18/05
NOAH 05-0214.01
Miami Dade Product Control
Division
By *[Signature]*

SYM	REVISION	DATE	BY
A	PER DADE LETTER DATED 3/22/05	4/6/05	BB

[Signature]
7/21/05
Eric S. Nielsen
Florida P. E. No. 41323
Product Technology Corporation
1150 Louisiana Ave., Suite 6
Winter Park, Florida 32789

WINDOOR, INC.
1978 STANHOME WAY ORLANDO, FL 32804

TITLE: SERIES 2000 PICTURE WINDOW SMALL MISSILE
ELEVATION AND GENERAL NOTES

PREPARED BY: PTC Product Technology Corporation	DRN: DRL	DATE: 09/16/04
SCALE: N.T.S.	DWG. NO: WIND0086	
REV: A	SHEET: 1 OF 10	

Phone 407.622.6334 Fax 407.622.6335

COMPARATIVE ANALYSIS TABLE		
WINDOW SIZE IN INCHES	DESIGN PRESSURE IN PSF TYPE A GLASS	
	POSITIVE	NEGATIVE
24" X 36"	+ 140.0	- 150.0
24" X 42"	+ 140.0	- 150.0
24" X 48"	+ 140.0	- 150.0
24" X 54"	+ 140.0	- 150.0
24" X 60"	+ 140.0	- 150.0
24" X 66"	+ 140.0	- 150.0
24" X 72"	+ 140.0	- 150.0
24" X 78"	+ 140.0	- 150.0
24" X 84"	+ 140.0	- 150.0
24" X 90"	+ 140.0	- 150.0
24" X 96"	+ 140.0	- 150.0
24" X 102"	+ 140.0	- 150.0
24" X 108"	+ 140.0	- 150.0
24" X 114"	+ 140.0	- 150.0
24" X 120"	+ 140.0	- 150.0
30" X 36"	+ 140.0	- 150.0
30" X 42"	+ 140.0	- 150.0
30" X 48"	+ 140.0	- 150.0
30" X 54"	+ 140.0	- 150.0
30" X 60"	+ 140.0	- 150.0
30" X 66"	+ 140.0	- 150.0
30" X 72"	+ 140.0	- 150.0
30" X 78"	+ 140.0	- 150.0
30" X 84"	+ 140.0	- 150.0
30" X 90"	+ 140.0	- 150.0
30" X 96"	+ 140.0	- 150.0
30" X 102"	+ 140.0	- 150.0
30" X 108"	+ 140.0	- 150.0
30" X 114"	+ 140.0	- 150.0
30" X 120"	+ 140.0	- 150.0

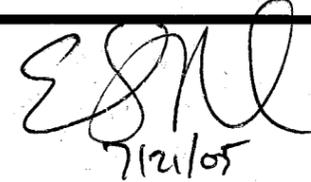
COMPARATIVE ANALYSIS TABLE		
WINDOW SIZE IN INCHES	DESIGN PRESSURE IN PSF TYPE A GLASS	
	POSITIVE	NEGATIVE
36" X 36"	+ 140.0	- 150.0
36" X 42"	+ 140.0	- 150.0
36" X 48"	+ 140.0	- 150.0
36" X 54"	+ 140.0	- 150.0
36" X 60"	+ 140.0	- 150.0
36" X 66"	+ 140.0	- 150.0
36" X 72"	+ 140.0	- 150.0
36" X 78"	+ 140.0	- 150.0
36" X 84"	+ 140.0	- 150.0
36" X 90"	+ 140.0	- 150.0
36" X 96"	+ 140.0	- 150.0
36" X 102"	+ 140.0	- 150.0
36" X 108"	+ 140.0	- 150.0
36" X 114"	+ 140.0	- 150.0
36" X 120"	+ 140.0	- 150.0
42" X 36"	+ 140.0	- 150.0
42" X 42"	+ 140.0	- 150.0
42" X 48"	+ 140.0	- 150.0
42" X 54"	+ 140.0	- 150.0
42" X 60"	+ 140.0	- 150.0
42" X 66"	+ 140.0	- 150.0
42" X 72"	+ 140.0	- 150.0
42" X 78"	+ 140.0	- 150.0
42" X 84"	+ 140.0	- 150.0
42" X 90"	+ 140.0	- 150.0
42" X 96"	+ 140.0	- 150.0
42" X 102"	+ 140.0	- 150.0
42" X 108"	+ 140.0	- 150.0
42" X 114"	+ 140.0	- 150.0
42" X 120"	+ 140.0	- 150.0

COMPARATIVE ANALYSIS TABLE		
WINDOW SIZE IN INCHES	DESIGN PRESSURE IN PSF TYPE A GLASS	
	POSITIVE	NEGATIVE
48" X 36"	+ 140.0	- 150.0
48" X 42"	+ 140.0	- 150.0
48" X 48"	+ 140.0	- 150.0
48" X 54"	+ 140.0	- 150.0
48" X 60"	+ 140.0	- 150.0
48" X 66"	+ 140.0	- 150.0
48" X 72"	+ 140.0	- 150.0
48" X 78"	+ 140.0	- 150.0
48" X 84"	+ 140.0	- 150.0
48" X 90"	+ 140.0	- 150.0
48" X 96"	+ 140.0	- 149.3
48" X 102"	+ 140.0	- 146.4
48" X 108"	+ 140.0	- 144.0
48" X 114"	+ 140.0	- 141.8
48" X 120"	+ 140.0	- 140.0

COMPARATIVE ANALYSIS TABLE		
WINDOW SIZE IN INCHES	DESIGN PRESSURE IN PSF TYPE A GLASS	
	POSITIVE	NEGATIVE
54" X 36"	+ 140.0	- 150.0
54" X 42"	+ 140.0	- 150.0
54" X 48"	+ 140.0	- 150.0
54" X 54"	+ 140.0	- 150.0
54" X 60"	+ 140.0	- 150.0
54" X 66"	+ 140.0	- 150.0
54" X 72"	+ 140.0	- 150.0
54" X 78"	+ 140.0	- 150.0
54" X 84"	+ 140.0	- 150.0
54" X 90"	+ 140.0	- 150.0
54" X 96"	+ 140.0	- 148.8
60" X 36"	+ 140.0	- 150.0
60" X 42"	+ 140.0	- 150.0
60" X 48"	+ 140.0	- 150.0
60" X 54"	+ 140.0	- 150.0
60" X 60"	+ 140.0	- 150.0
60" X 66"	+ 140.0	- 150.0
60" X 72"	+ 140.0	- 150.0
60" X 78"	+ 140.0	- 150.0
60" X 84"	+ 140.0	- 149.7
60" X 90"	+ 140.0	- 144.0
60" X 96"	+ 140.0	- 140.0

Approved as complying with the Florida Building Code
 Date 08/18/05
 NOA 05-0214.01
 Miami Dade Product Control Division
 By *[Signature]*

A	PER DADE LETTER DATED 3/22/05	4/06/05	BB
SYM	REVISION	DATE	BY

 Eric S. Nielsen Florida P. E. No. 41323 Product Technology Corporation 1150 Louisiana Ave., Suite 6 Winter Park, Florida 32789 FBPE Certificate of Authorization NO. 8681		WINDOOR, INC. 1978 STANHOME WAY ORLANDO, FL 32804	
		TITLE: SERIES 2000 PICTURE WINDOW SMALL MISSILE COMPARATIVE ANALYSIS CHARTS - GLAZING TYPE A	
PREPARED BY:  Product Technology Corporation		DRN: DRL SCALE: N.T.S. REV: A	DATE: 09/16/04 DWG. NO: WIND0086 SHEET: 2 OF 10
Phone 407.622.6334 Fax 407.622.6335			

COMPARATIVE ANALYSIS TABLE		
WINDOW SIZE IN INCHES	DESIGN PRESSURE IN PSF TYPE B GLASS	
	POSITIVE	NEGATIVE
24" X 36"	+ 110.0	- 150.0
24" X 42"	+ 110.0	- 150.0
24" X 48"	+ 110.0	- 150.0
24" X 54"	+ 110.0	- 150.0
24" X 60"	+ 110.0	- 150.0
24" X 66"	+ 110.0	- 150.0
24" X 72"	+ 110.0	- 150.0
24" X 78"	+ 110.0	- 150.0
24" X 84"	+ 110.0	- 150.0
24" X 90"	+ 110.0	- 150.0
24" X 96"	+ 110.0	- 150.0
24" X 102"	+ 110.0	- 150.0
24" X 108"	+ 110.0	- 150.0
24" X 114"	+ 110.0	- 150.0
24" X 120"	+ 110.0	- 150.0
30" X 36"	+ 110.0	- 150.0
30" X 42"	+ 110.0	- 150.0
30" X 48"	+ 110.0	- 150.0
30" X 54"	+ 110.0	- 150.0
30" X 60"	+ 110.0	- 150.0
30" X 66"	+ 110.0	- 150.0
30" X 72"	+ 110.0	- 150.0
30" X 78"	+ 110.0	- 150.0
30" X 84"	+ 110.0	- 150.0
30" X 90"	+ 110.0	- 150.0
30" X 96"	+ 110.0	- 150.0
30" X 102"	+ 110.0	- 150.0
30" X 108"	+ 110.0	- 150.0
30" X 114"	+ 110.0	- 150.0
30" X 120"	+ 110.0	- 150.0

COMPARATIVE ANALYSIS TABLE		
WINDOW SIZE IN INCHES	DESIGN PRESSURE IN PSF TYPE B GLASS	
	POSITIVE	NEGATIVE
36" X 36"	+ 110.0	- 150.0
36" X 42"	+ 110.0	- 150.0
36" X 48"	+ 110.0	- 150.0
36" X 54"	+ 110.0	- 150.0
36" X 60"	+ 110.0	- 150.0
36" X 66"	+ 110.0	- 150.0
36" X 72"	+ 110.0	- 150.0
36" X 78"	+ 110.0	- 150.0
36" X 84"	+ 110.0	- 149.3
36" X 90"	+ 110.0	- 146.7
36" X 96"	+ 110.0	- 144.4
36" X 102"	+ 110.0	- 142.5
36" X 108"	+ 110.0	- 140.8
36" X 114"	+ 110.0	- 139.3
36" X 120"	+ 110.0	- 138.0
42" X 36"	+ 110.0	- 150.0
42" X 42"	+ 110.0	- 150.0
42" X 48"	+ 110.0	- 150.0
42" X 54"	+ 110.0	- 150.0
42" X 60"	+ 110.0	- 150.0
42" X 66"	+ 110.0	- 147.5
42" X 72"	+ 110.0	- 142.0
42" X 78"	+ 110.0	- 137.6
42" X 84"	+ 110.0	- 134.1
42" X 90"	+ 110.0	- 131.2
42" X 96"	+ 110.0	- 128.7
42" X 102"	+ 110.0	- 126.6
42" X 108"	+ 110.0	- 124.8
42" X 114"	+ 110.0	- 123.3
42" X 120"	+ 110.0	- 121.9

COMPARATIVE ANALYSIS TABLE		
WINDOW SIZE IN INCHES	DESIGN PRESSURE IN PSF TYPE B GLASS	
	POSITIVE	NEGATIVE
48" X 36"	+ 110.0	- 150.0
48" X 42"	+ 110.0	- 150.0
48" X 48"	+ 110.0	- 150.0
48" X 54"	+ 110.0	- 150.0
48" X 60"	+ 110.0	- 146.7
48" X 66"	+ 110.0	- 138.3
48" X 72"	+ 110.0	- 132.0
48" X 78"	+ 110.0	- 127.1
48" X 84"	+ 110.0	- 123.2
48" X 90"	+ 110.0	- 120.0
48" X 96"	+ 110.0	- 117.3
48" X 102"	+ 110.0	- 115.1
48" X 108"	+ 110.0	- 113.1
48" X 114"	+ 110.0	- 111.4
48" X 120"	+ 110.0	- 110.0

COMPARATIVE ANALYSIS TABLE		
WINDOW SIZE IN INCHES	DESIGN PRESSURE IN PSF TYPE B GLASS	
	POSITIVE	NEGATIVE
54" X 36"	+ 110.0	- 150.0
54" X 42"	+ 110.0	- 150.0
54" X 48"	+ 110.0	- 150.0
54" X 54"	+ 110.0	- 150.0
54" X 60"	+ 110.0	- 150.0
54" X 66"	+ 110.0	- 142.2
54" X 72"	+ 110.0	- 134.4
54" X 78"	+ 110.0	- 128.5
54" X 84"	+ 110.0	- 123.8
54" X 90"	+ 110.0	- 120.0
54" X 96"	+ 110.0	- 116.9
60" X 36"	+ 110.0	- 150.0
60" X 42"	+ 110.0	- 150.0
60" X 48"	+ 110.0	- 150.0
60" X 54"	+ 110.0	- 150.0
60" X 60"	+ 110.0	- 150.0
60" X 66"	+ 110.0	- 138.6
60" X 72"	+ 110.0	- 129.6
60" X 78"	+ 110.0	- 122.9
60" X 84"	+ 110.0	- 117.6
60" X 90"	+ 110.0	- 113.4
60" X 96"	+ 110.0	- 110.0

Approved as complying with the
Florida Building Code
Date: 06/18/05
NOAH 05-0214-01
Miami Dade Product Control
Division
By: *[Signature]*

A	PER DADE LETTER DATED 3/22/05	4/06/05	BB
SYM	REVISION	DATE	BY

[Signature]
7/21/05
Eric S. Nielsen
Florida P. E. No. 41323
Product Technology Corporation
1150 Louisiana Ave., Suite 6
Winter Park, Florida 32789
FBPE Certificate of Authorization NO. 8681

WINDOOR, INC.
1978 STANHOME WAY ORLANDO, FL 32804
TITLE: SERIES 2000 PICTURE WINDOW SMALL MISSILE
COMPARATIVE ANALYSIS CHARTS - GLAZING TYPE B
PREPARED BY: **PTC** Product Technology Corporation
DRN: DRL DATE: 09/16/04
SCALE: N.T.S. DWG. NO: WIND0086
REV: A SHEET: 3 OF 10
Phone 407.622.6334 Fax 407.622.6335

COMPARATIVE ANALYSIS TABLE		
WINDOW SIZE IN INCHES	DESIGN PRESSURE IN PSF TYPE C GLASS	
	POSITIVE	NEGATIVE
24" X 36"	+ 150.0	- 175.0
24" X 42"	+ 150.0	- 175.0
24" X 48"	+ 150.0	- 175.0
24" X 54"	+ 150.0	- 175.0
24" X 60"	+ 150.0	- 175.0
24" X 66"	+ 150.0	- 175.0
24" X 72"	+ 150.0	- 175.0
24" X 78"	+ 150.0	- 175.0
24" X 84"	+ 150.0	- 175.0
24" X 90"	+ 150.0	- 175.0
24" X 96"	+ 150.0	- 175.0
24" X 102"	+ 150.0	- 175.0
24" X 108"	+ 150.0	- 175.0
24" X 114"	+ 150.0	- 175.0
24" X 120"	+ 150.0	- 175.0
30" X 36"	+ 150.0	- 175.0
30" X 42"	+ 150.0	- 175.0
30" X 48"	+ 150.0	- 175.0
30" X 54"	+ 150.0	- 175.0
30" X 60"	+ 150.0	- 175.0
30" X 66"	+ 150.0	- 175.0
30" X 72"	+ 150.0	- 175.0
30" X 78"	+ 150.0	- 175.0
30" X 84"	+ 150.0	- 175.0
30" X 90"	+ 150.0	- 175.0
30" X 96"	+ 150.0	- 175.0
30" X 102"	+ 150.0	- 175.0
30" X 108"	+ 150.0	- 175.0
30" X 114"	+ 150.0	- 175.0
30" X 120"	+ 150.0	- 175.0

COMPARATIVE ANALYSIS TABLE		
WINDOW SIZE IN INCHES	DESIGN PRESSURE IN PSF TYPE C GLASS	
	POSITIVE	NEGATIVE
36" X 36"	+ 150.0	- 175.0
36" X 42"	+ 150.0	- 175.0
36" X 48"	+ 150.0	- 175.0
36" X 54"	+ 150.0	- 175.0
36" X 60"	+ 150.0	- 175.0
36" X 66"	+ 150.0	- 175.0
36" X 72"	+ 150.0	- 175.0
36" X 78"	+ 150.0	- 175.0
36" X 84"	+ 150.0	- 175.0
36" X 90"	+ 150.0	- 175.0
36" X 96"	+ 150.0	- 175.0
36" X 102"	+ 150.0	- 175.0
36" X 108"	+ 150.0	- 175.0
36" X 114"	+ 150.0	- 175.0
36" X 120"	+ 150.0	- 175.0
42" X 36"	+ 150.0	- 175.0
42" X 42"	+ 150.0	- 175.0
42" X 48"	+ 150.0	- 175.0
42" X 54"	+ 150.0	- 175.0
42" X 60"	+ 150.0	- 175.0
42" X 66"	+ 150.0	- 175.0
42" X 72"	+ 150.0	- 175.0
42" X 78"	+ 150.0	- 175.0
42" X 84"	+ 150.0	- 175.0
42" X 90"	+ 150.0	- 175.0
42" X 96"	+ 150.0	- 175.0
42" X 102"	+ 150.0	- 175.0
42" X 108"	+ 150.0	- 175.0
42" X 114"	+ 150.0	- 175.0
42" X 120"	+ 150.0	- 175.0

COMPARATIVE ANALYSIS TABLE		
WINDOW SIZE IN INCHES	DESIGN PRESSURE IN PSF TYPE C GLASS	
	POSITIVE	NEGATIVE
48" X 36"	+ 150.0	- 175.0
48" X 42"	+ 150.0	- 175.0
48" X 48"	+ 150.0	- 175.0
48" X 54"	+ 150.0	- 175.0
48" X 60"	+ 150.0	- 175.0
48" X 66"	+ 150.0	- 175.0
48" X 72"	+ 150.0	- 175.0
48" X 78"	+ 150.0	- 175.0
48" X 84"	+ 150.0	- 175.0
48" X 90"	+ 150.0	- 175.0
48" X 96"	+ 150.0	- 175.0
48" X 102"	+ 150.0	- 175.0
48" X 108"	+ 150.0	- 175.0
48" X 114"	+ 150.0	- 175.0
48" X 120"	+ 150.0	- 175.0

COMPARATIVE ANALYSIS TABLE		
WINDOW SIZE IN INCHES	DESIGN PRESSURE IN PSF TYPE C GLASS	
	POSITIVE	NEGATIVE
54" X 36"	+ 150.0	- 175.0
54" X 42"	+ 150.0	- 175.0
54" X 48"	+ 150.0	- 175.0
54" X 54"	+ 150.0	- 175.0
54" X 60"	+ 150.0	- 175.0
54" X 66"	+ 150.0	- 175.0
54" X 72"	+ 150.0	- 175.0
54" X 78"	+ 150.0	- 175.0
54" X 84"	+ 150.0	- 175.0
54" X 90"	+ 150.0	- 175.0
54" X 96"	+ 150.0	- 175.0
60" X 36"	+ 150.0	- 175.0
60" X 42"	+ 150.0	- 175.0
60" X 48"	+ 150.0	- 175.0
60" X 54"	+ 150.0	- 175.0
60" X 60"	+ 150.0	- 175.0
60" X 66"	+ 150.0	- 175.0
60" X 72"	+ 150.0	- 175.0
60" X 78"	+ 150.0	- 175.0
60" X 84"	+ 150.0	- 175.0
60" X 90"	+ 150.0	- 175.0
60" X 96"	+ 150.0	- 175.0

Approved as complying with the Florida Building Code
 Date: 08/18/05
 NOA# 05-0214-01
 Miami-Dade Product Control Division
 By: *M. Khal*

A	PER DADE LETTER DATED 3/22/05	4/16/15	BB
SYM	REVISION	DATE	BY

ESN
 7/21/05
 Eric S. Nielsen
 Florida P. E. No. 41323
 Product Technology Corporation
 1150 Louisiana Ave., Suite 6
 Winter Park, Florida 32789
 FBPE Certificate of Authorization NO. 8681

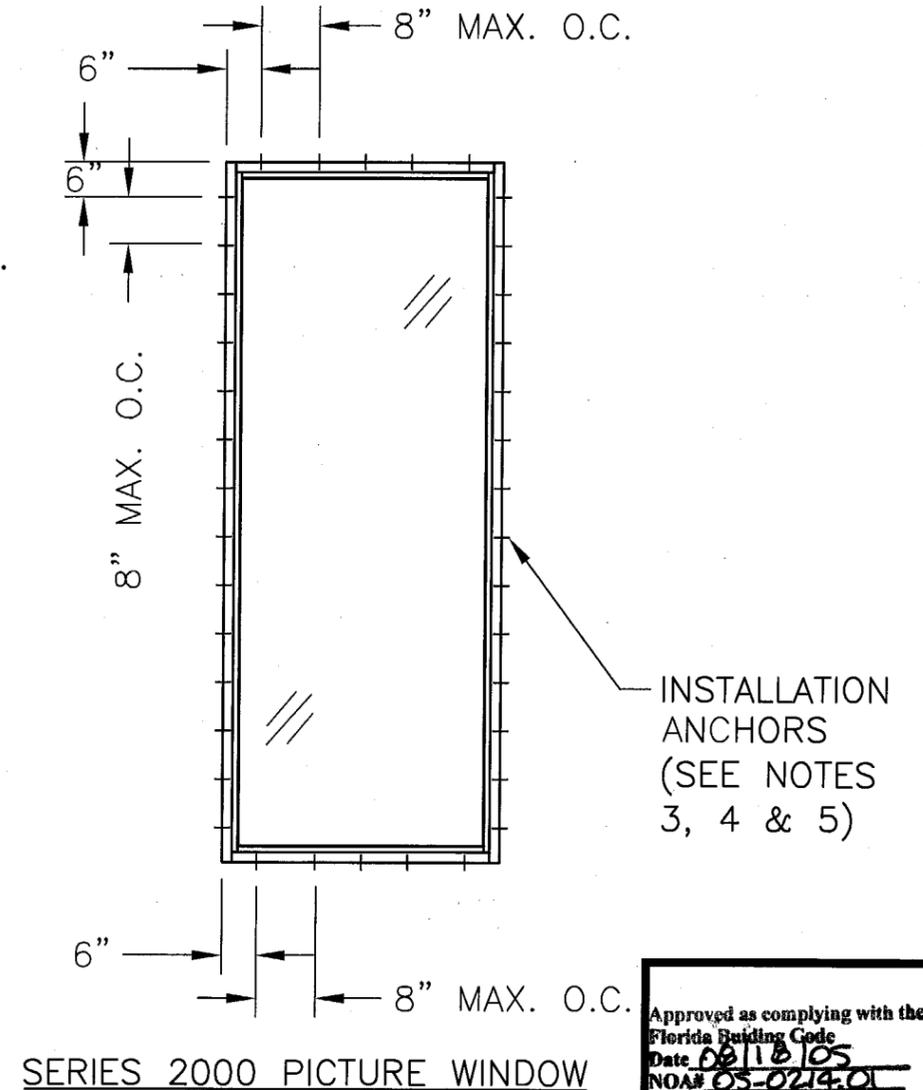
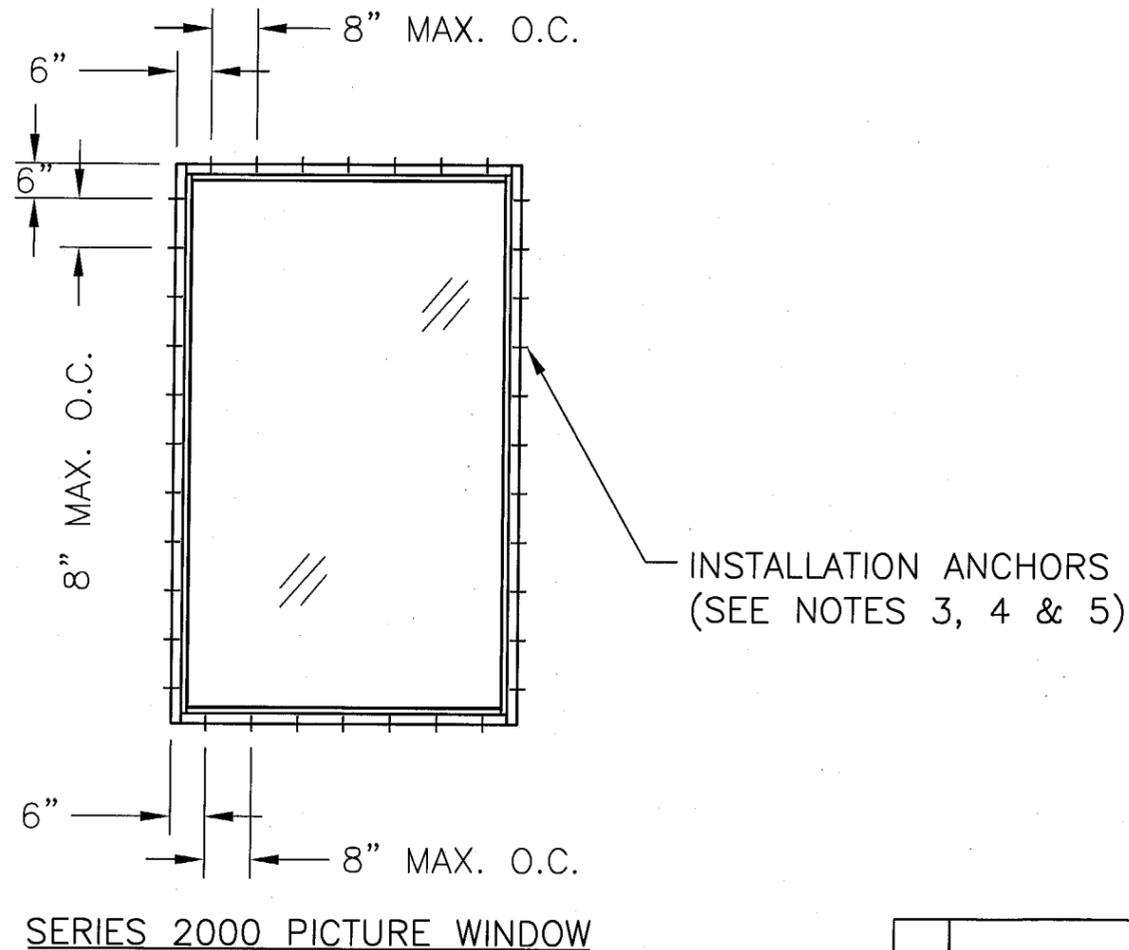
WINDOOR, INC.
 1978 STANHOME WAY ORLANDO, FL 32804

TITLE: SERIES 2000 PICTURE WINDOW SMALL MISSILE
 COMPARATIVE ANALYSIS CHARTS - GLAZING TYPE C

PREPARED BY: **PTC** Product Technology Corporation
 DRN: DRL DATE: 09/15/04
 SCALE: N.T.S. DWG. NO: WIND0086
 REV: A SHEET: 4 OF 10
 Phone 407.622.6334 Fax 407.622.6335

INSTALLATION NOTES:

- 1) SHIM AS REQUIRED AT EACH SET OF INSTALLATION ANCHORS USING LOAD BEARING SHIMS. MAXIMUM ALLOWABLE SHIM STACK TO BE 1/4". USE SHIMS WHERE SPACE GREATER THAN 1/16" IS PRESENT.
- 2) ONE (1) ANCHOR IS REQUIRED AT EACH ANCHOR LOCATION SHOWN.
- 3) CONCRETE OR MASONRY SUBSTRATE WHERE ONE BY, NON-STRUCTURAL, WOOD BUCKING IS EMPLOYED, USE 1/4" DIAMETER RAWL TAPPER TYPE CONCRETE SCREW ANCHORS OF SUFFICIENT LENGTH TO ACHIEVE 1 1/4" MINIMUM EMBEDMENT INTO CONCRETE OR MASONRY.
- 4) WOOD FRAME SUBSTRATE, USE #14 WOOD SCREWS OF SUFFICIENT LENGTH TO ACHIEVE 1 3/8" MINIMUM EMBEDMENT INTO WOOD FRAMING.
- 5) STEEL STUD FRAMING, USE #14 SELF TAPPING SHEET METAL SCREWS OF SUFFICIENT LENGTH TO PENETRATE BEYOND THE STEEL STUD FRAMING A MINIMUM OF THREE PITCHES OF THREAD.



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 NOA# 05-0214-01
 Miami Dade Product Control
 Division
 By [Signature]

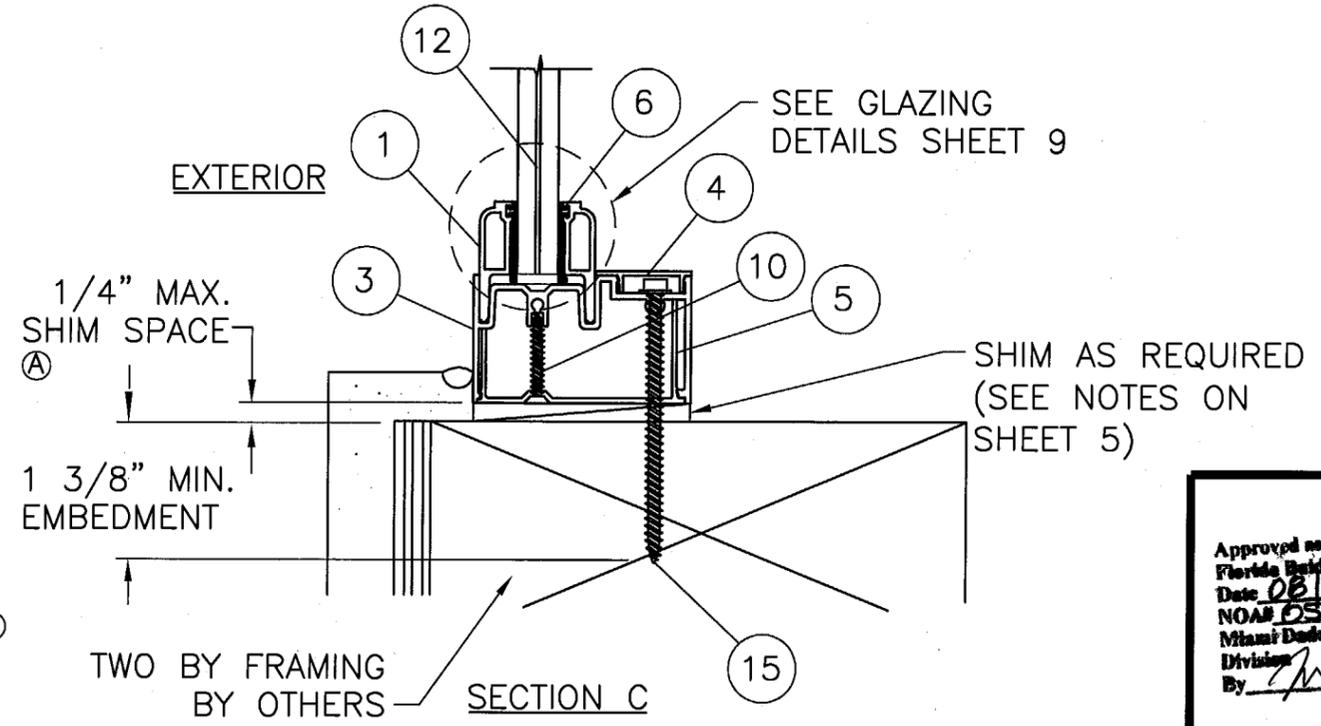
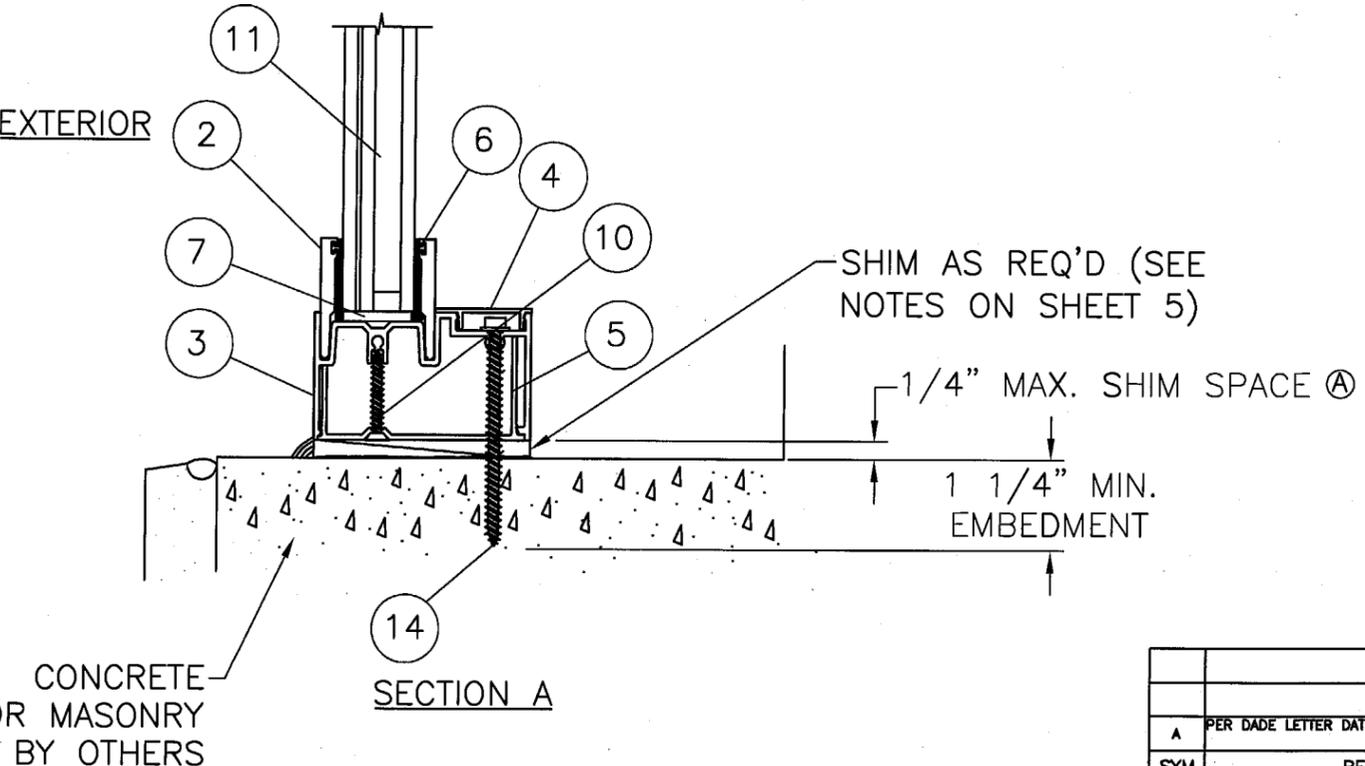
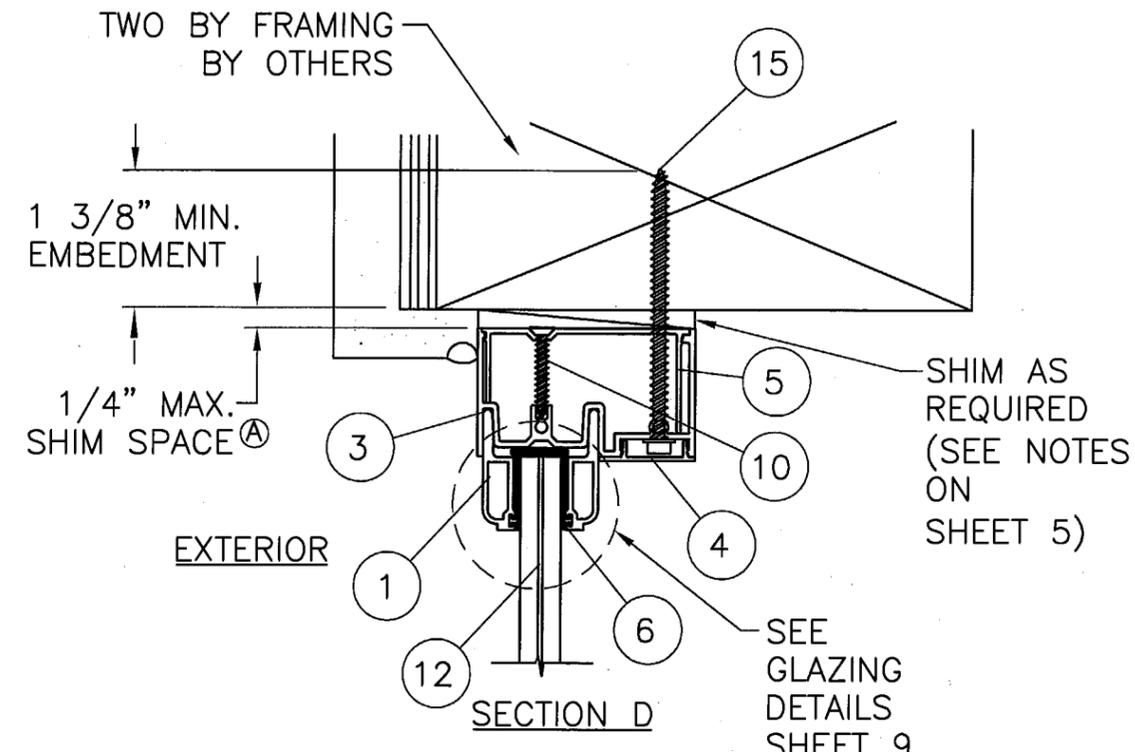
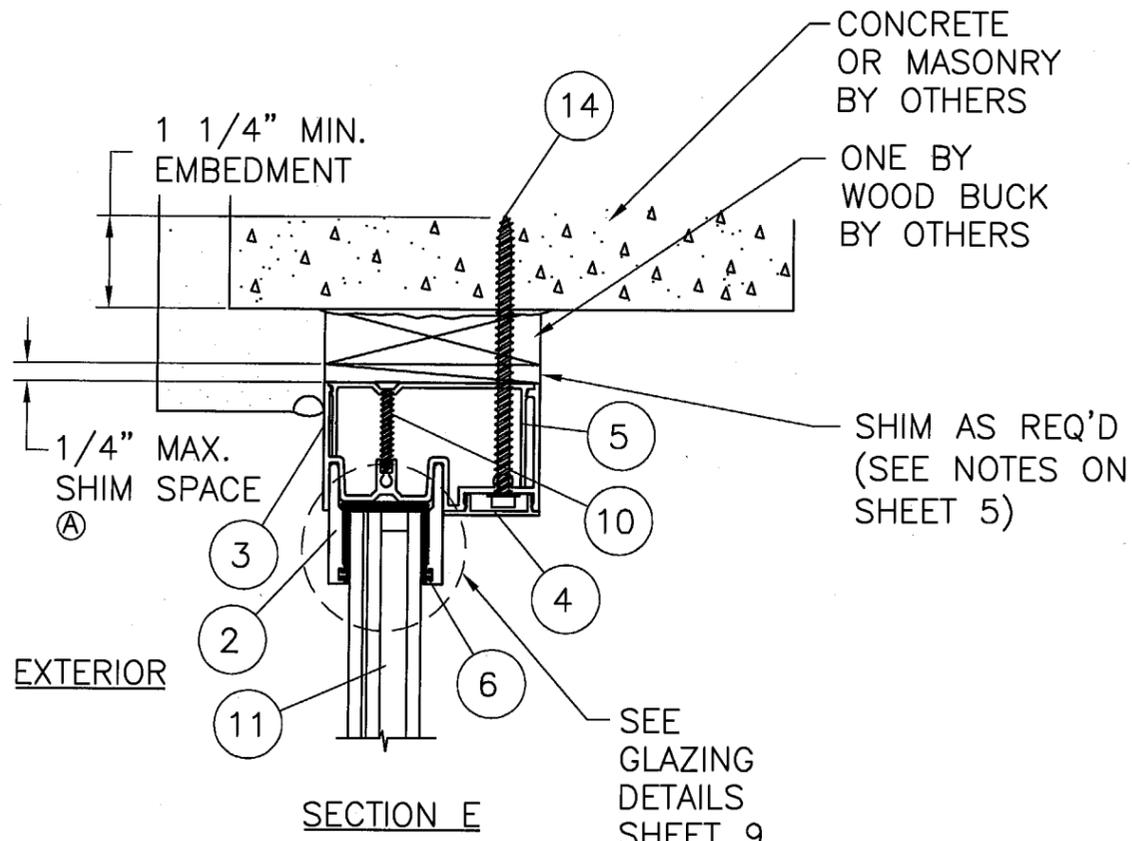
SYM	REVISION	DATE	BY
A	PER DADE LETTER DATED 3/22/05	4/06/05	BB

[Signature]
 7/21/05
 Eric S. Nielsen
 Florida P. E. No. 41323
 Product Technology Corporation
 1150 Louisiana Ave., Suite 6
 Winter Park, Florida 32789

WINDOOR, INC.
 1978 STANHOME WAY ORLANDO, FL 32804

TITLE: SERIES 2000 PICTURE WINDOW SMALL MISSILE ANCHOR ELEVATIONS

PREPARED BY: **PTC** Product Technology Corporation
 DRN: DRL DATE: 09/16/04
 SCALE: N.T.S. DWG. NO: WINDOOR86
 REV: A SHEET: 5 OF 10
 Phone 407.622.6334 Fax 407.622.6335



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 NOA# 05-0249-01
 Miami Dade Product Control Division
 By: *[Signature]*

A	PER DADE LETTER DATED 3/22/05	4/08/05	BB
SYM	REVISION	DATE	BY

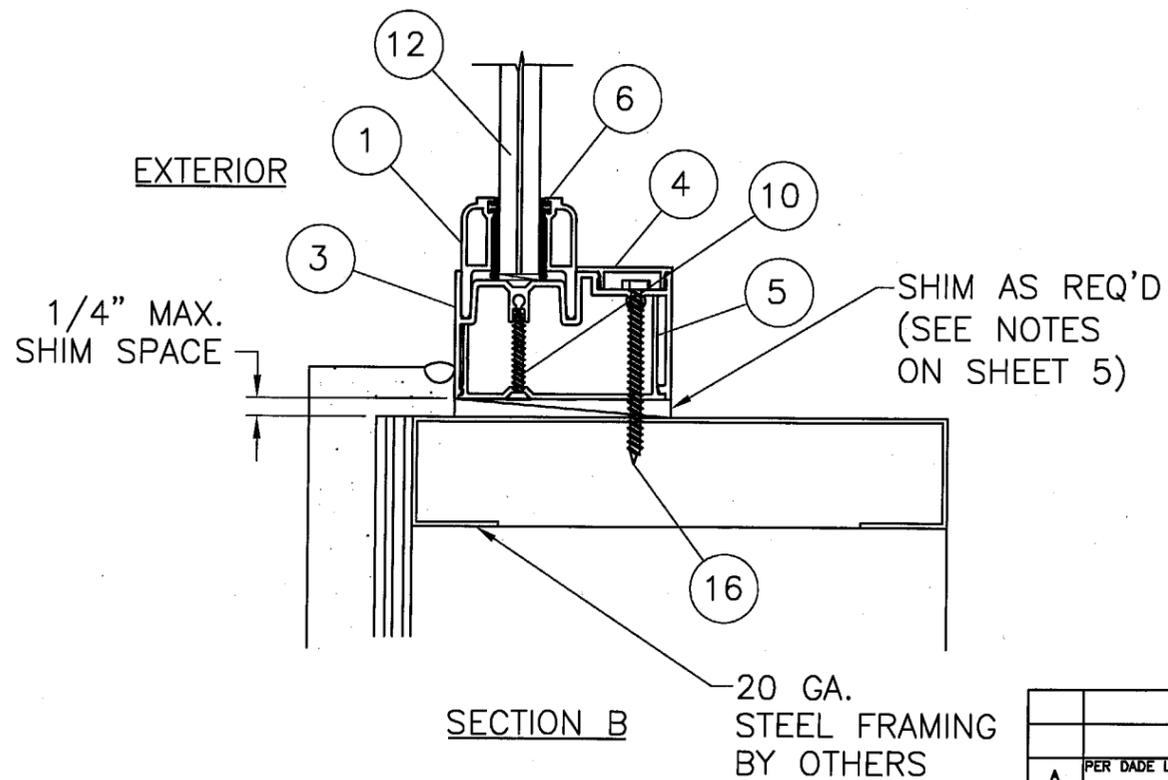
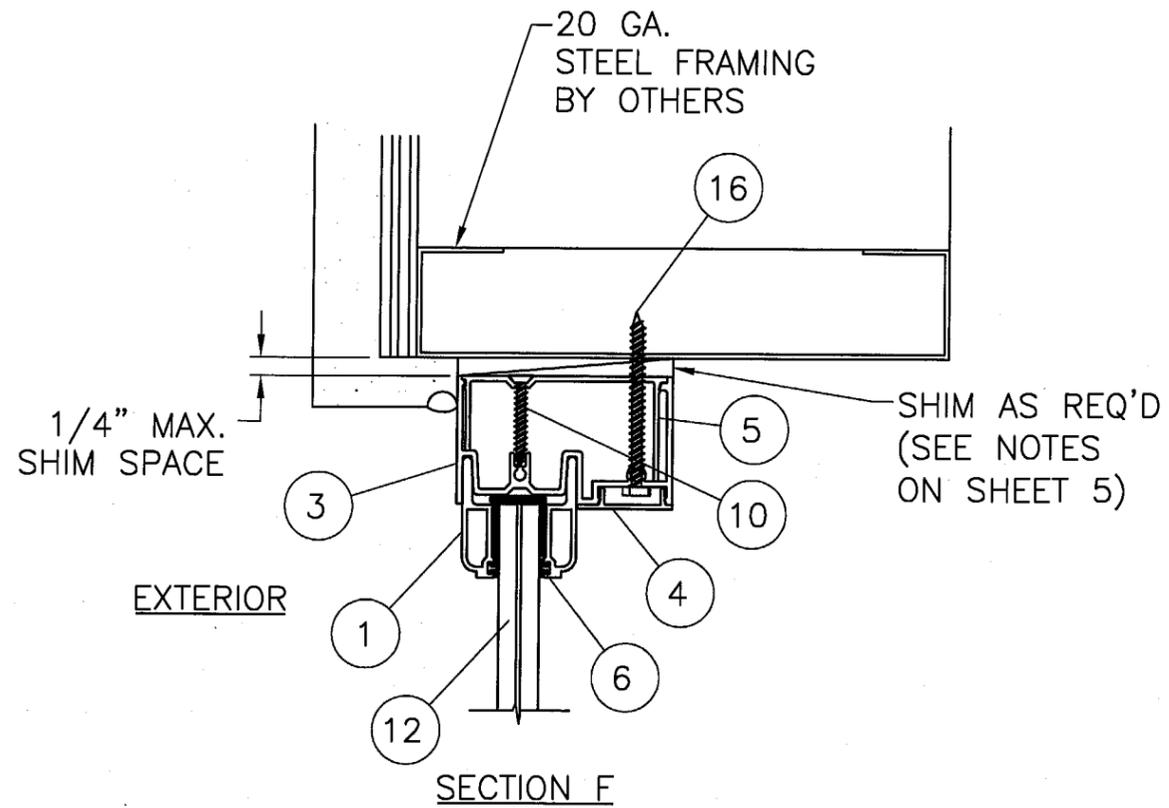
[Signature]
 Eric S. Nielsen
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 1150 Louisiana Ave., Suite 6
 Winter Park, Florida 32789

WINDOOR, INC.
 1978 STANHOME WAY ORLANDO, FL 32804

TITLE: SERIES 2000 PICTURE WINDOW SMALL MISSILE VERTICAL CROSS SECTIONS

PREPARED BY: **PTC** Product Technology Corporation
 DRN: DRL DATE: 09/16/04
 SCALE: N.T.S. DWG. NO: WIND0086
 REV: A SHEET: 6 OF 10

Phone 407.622.6334 Fax 407.622.6335

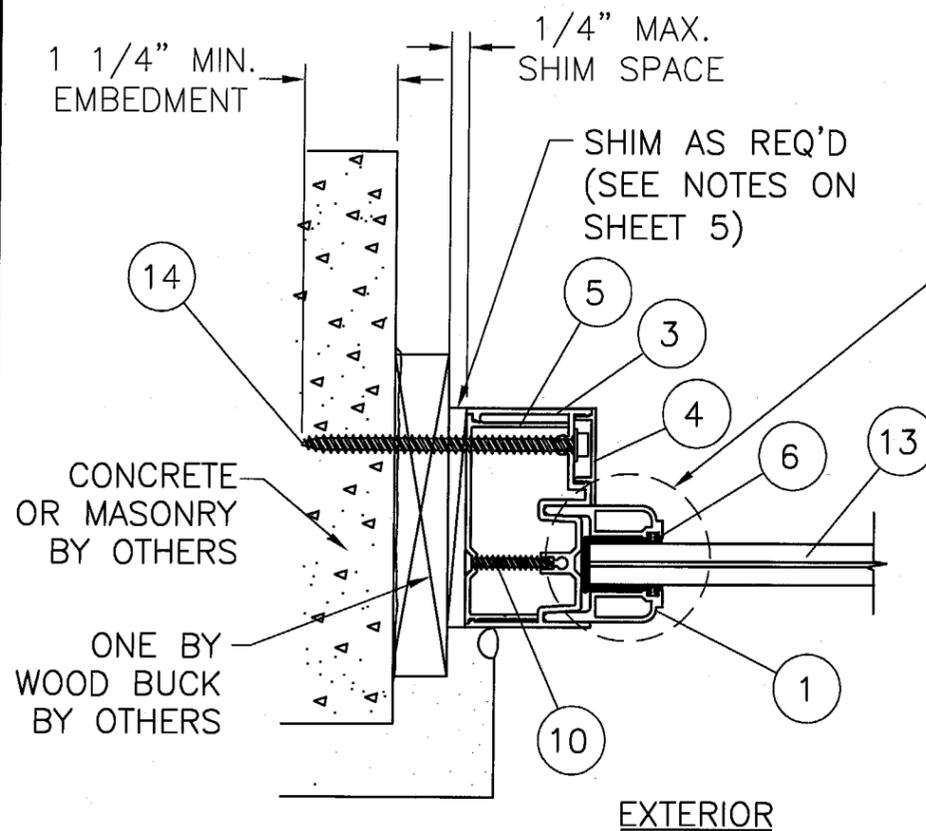


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 Florida Building Code
 Date 08/18/05
 NOA# 05-02140
 Miami Dade Product Control
 Division
 By J. That

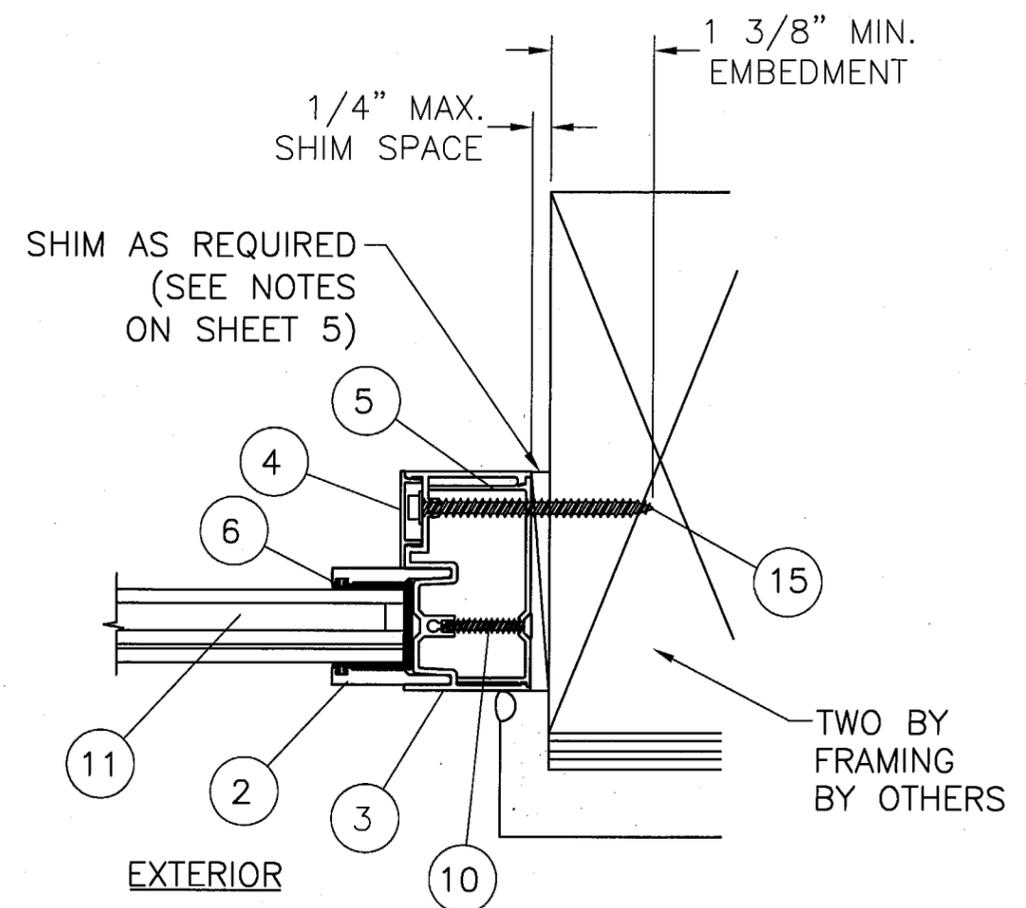
ESN
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 Eric S. Nielsen
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 Product Technology Corporation
 1150 Louisiana Ave., Suite 6
 Winter Park, Florida 32789

WINDOOR, INC.
 1978 STANHOME WAY ORLANDO, FL 32804
 TITLE: SERIES 2000 PICTURE WINDOW SMALL MISSILE
 VERTICAL CROSS SECTIONS
 PREPARED BY: **PTC** Product Technology Corporation
 DRN: DRL DATE: 09/16/04
 SCALE: N.T.S. DWG. NO: WIND0086
 REV: A SHEET: 7 OF 10
 Phone 407.622.6334 Fax 407.622.6335

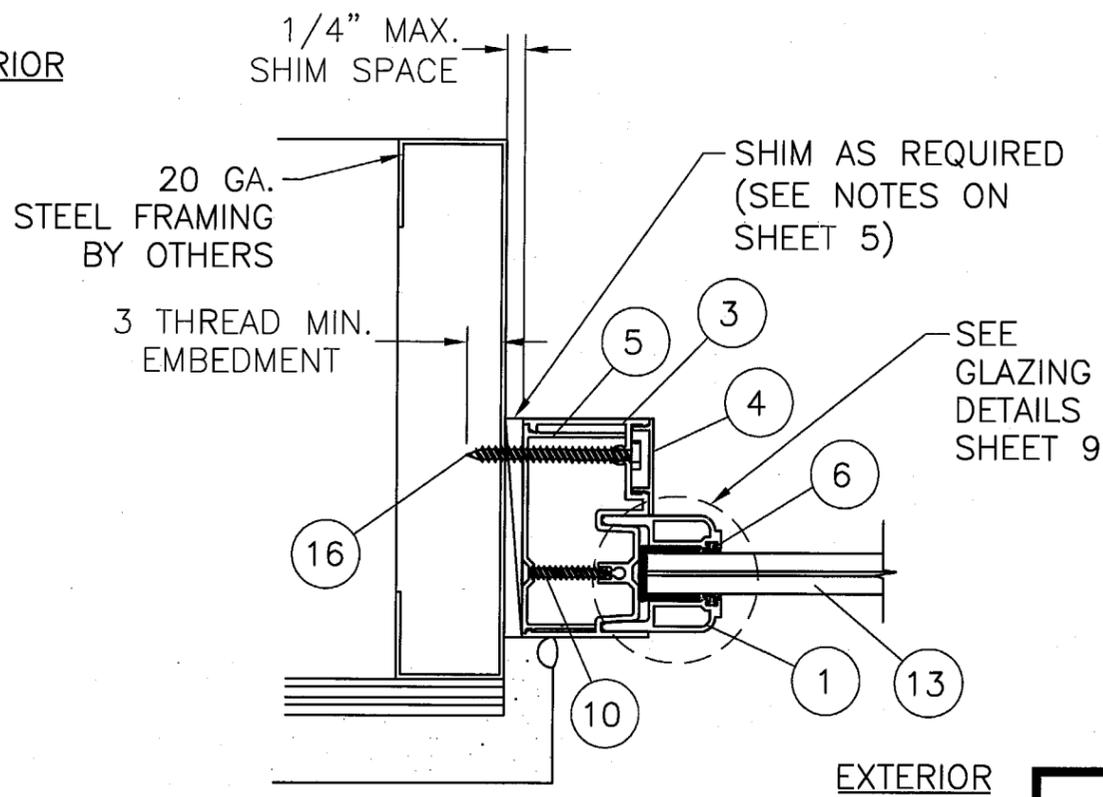
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A	PER DADE LETTER DATED 3/22/05	4/06/05	BB



SECTION G



SECTION I



SECTION H

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 Florida Building Code
 Date 08/18/05
 NOA 05-0214-01
 Miami Dade Product Control
 Division
 By: *[Signature]*

SYM	REVISION	DATE	BY
A	PER DADE LETTER DATED 3/22/05	4/06/05	BB

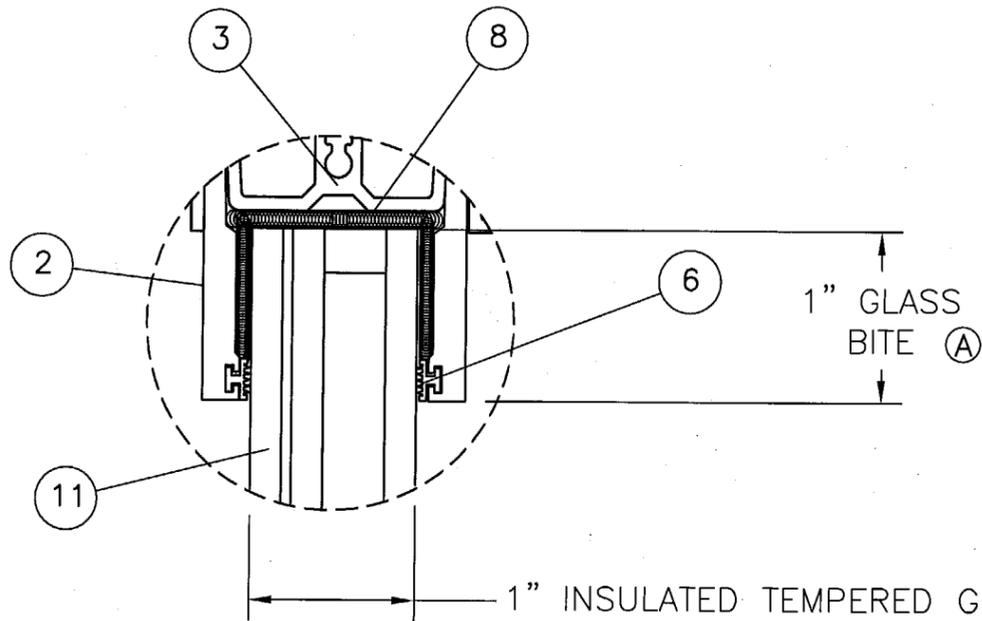
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WINDOOR, INC.
 1978 STANHOME WAY ORLANDO, FL 32804

TITLE: SERIES 2000 PICTURE WINDOW SMALL MISSILE HORIZONTAL CROSS SECTIONS

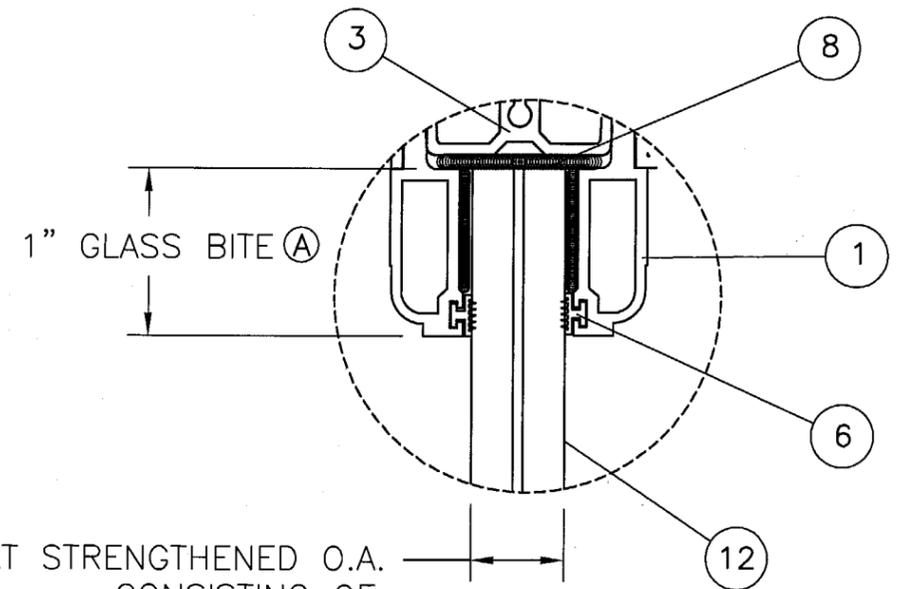
PREPARED BY: **PTC** Product Technology Corporation
 DRN: DRL DATE: 09/16/04
 SCALE: N.T.S. DWG. NO: WIND0086
 REV: A SHEET: 8 OF 10

Phone 407.622.6334 Fax 407.622.6335



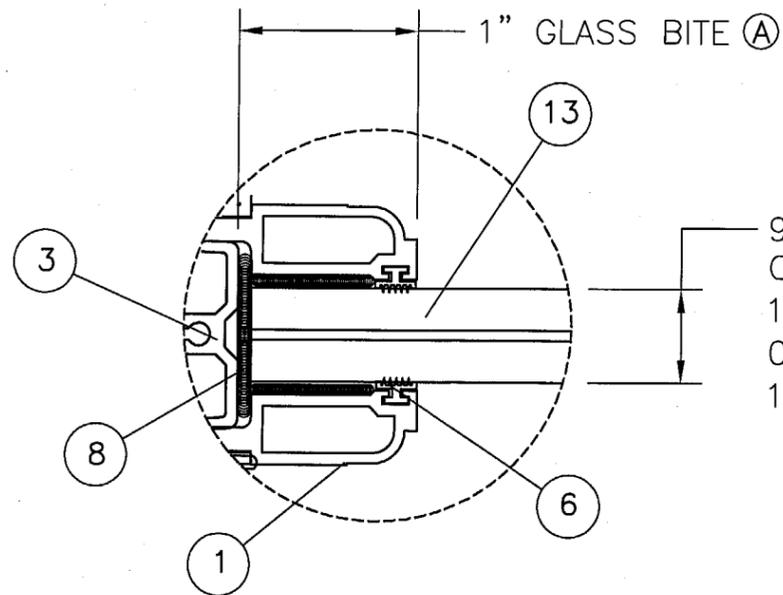
GLAZING TYPE A

1" INSULATED TEMPERED GLASS
O.A. CONSISTING OF:
3/16" TEMPERED, 0.060" SAFLEX PVB, BY SOLUTIA (A)
3/16" TEMPERED (OUTSIDE LITE);
3/8" AIR SPACE;
3/16" TEMPERED (INSIDE LITE);



GLAZING TYPE B

9/16" HEAT STRENGTHENED O.A.
CONSISTING OF:
1/4" HEAT STRENGTHENED;
0.060" SAFLEX PVB; BY SOLUTIA (A)
1/4" HEAT STRENGTHENED



GLAZING TYPE C

9/16" TEMPERED GLASS O.A.
CONSISTING OF:
1/4" TEMPERED;
0.060" SAFLEX PVB; BY SOLUTIA (A)
1/4" TEMPERED

Approved as complying with the
Florida Building Code
Date 08/11/05
VOA# 05-0214-01
Miami Dade Product Control
Division
By *[Signature]*

SYM	REVISION	DATE	BY
A	PER DADE LETTER DATED 3/22/05	4/06/05	BB

[Signature]
7/21/05
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Florida P. E. No. 41323
Product Technology Corporation
1150 Louisiana Ave., Suite 6
Winter Park, Florida 32789

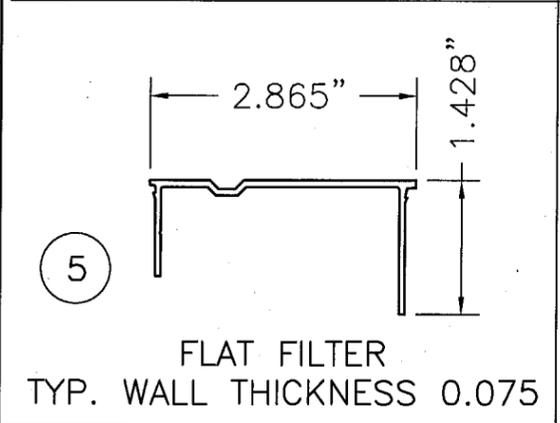
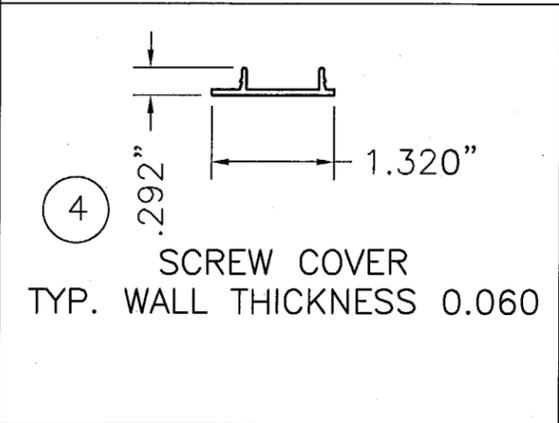
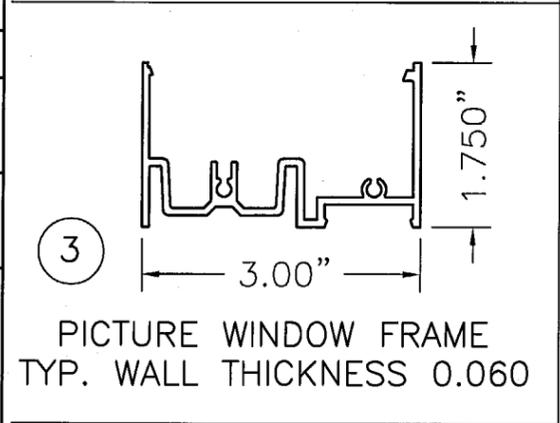
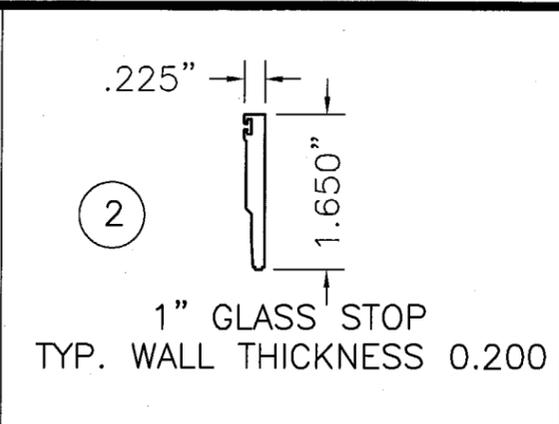
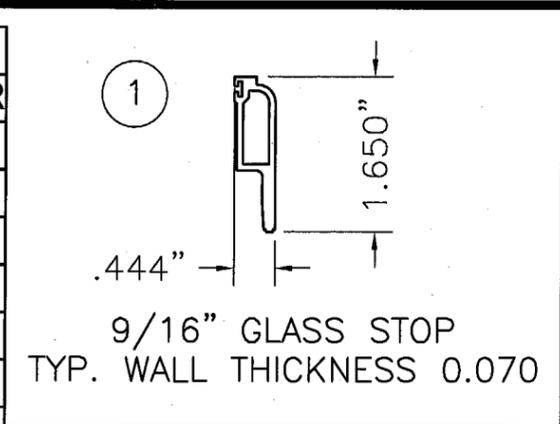
WINDOOR, INC.
1978 STANHOME WAY ORLANDO, FL 32804

TITLE: SERIES 2000 PICTURE WINDOW SMALL MISSILE
GLAZING DETAILS

PREPARED BY: **PTC** Product Technology Corporation
DRN: DRL DATE: 09/16/04
SCALE: N.T.S. DWG. NO: WIND0086
REV: A SHEET: 9 OF 10

Phone 407.622.6334 Fax 407.622.6335

BILL OF MATERIALS			
NO.	PART NO.	DESCRIPTION	MANUFACTURER
1	FS-01878	9/16" GLASS STOP	KEYMARK
2	FS-01880	1" GLASS STOP	KEYMARK
3	FS-02840	PICTURE WINDOW FRAME	KEYMARK
4	FS-02849	SCREW COVER	KEYMARK
5	FS-02837	FLAT FILTER	KEYMARK
6	TP-870	IMPACT GLASS STOP VINYL	KEYMARK
7	NSB 3/16-3/4-2	GLASS SETTING BLOCKS	
8	SIKA 552	SEALANT	
9	#10 X 1 1/4 PH F SS 18-8	FRAME ASSEMBLY SCREWS	
10	#10 X 1 1/4 A SS 18-8	FLAT FILTER ASSEMBLY SCREWS	
11	INSULATED SMALL MISSILE GLASS	1" INSULATED O.A.: 3/16" TEMPERED; 0.060 SAFLEX PVB; 3/16" TEMPERED (OUTSIDE LITE); 3/8" AIR SPACE; 3/16" TEMPERED (INSIDE LITE); TYPE "A"	
12	SMALL MISSILE GLASS	9/16" HEAT STRENGTHENED O.A.: 1/4" HEAT STRENGTHENED; 0.060" SAFLEX PVB; 1/4" HEAT STRENGTHENED; TYPE "B"	
13	SMALL MISSILE GLASS	9/16" TEMPERED O.A.: 1/4" TEMPERED; 0.060" SAFLEX PVB; 1/4" TEMPERED; TYPE "C"	
14		1/4" DIA. RAWL TAPPER	RAWL
15		#14 WOOD SCREW	
16		#14 SELF TAPPING SHEET METAL SCREW	



Approved as complying with the
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Date 08/18/05
NOAH 05-0219-01
Miami-Dade Product Control
Division
By *[Signature]*

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SYM	REVISION	DATE	BY

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7/21/05
Eric S. Nielsen
Florida P. E. No. 41323
Product Technology Corporation
1150 Louisiana Ave., Suite 6
Winter Park, Florida 32789

WINDOOR, INC.
1978 STANHOME WAY ORLANDO, FL 32804
TITLE: SERIES 2000 PICTURE WINDOW SMALL MISSILE
BILL OF MATERIALS & COMPONENTS

PREPARED BY:	DRN:	DATE:
PTC Product Technology Corporation	DRL	09/16/04
REV:	SCALE:	DWG. NO.:
A	N.T.S.	WIND0086
	REV:	SHEET:
		10 OF 10

Phone 407.622.6334 Fax 407.622.6335