



BUILDING CODE COMPLIANCE OFFICE
METRO-DADE FLAGLER BUILDING
140 WEST FLAGLER STREET, SUITE 1603
MIAMI, FLORIDA 33130-1563
(305) 375-2901 FAX (305) 375-2908

CONTRACTOR LICENSING SECTION
(305) 375-2527 FAX (305) 375-2558

CONTRACTOR ENFORCEMENT DIVISION
(305) 375-2966 FAX (305) 375-2908

PRODUCT CONTROL DIVISION
(305) 375-2902 FAX (305) 372-6339

PRODUCT CONTROL NOTICE OF ACCEPTANCE

K.D. Windows, Inc.
3705 Shares Place
Riviera Beach ,FL 33404

Your application for Notice of Acceptance (NOA) of:

Series KDI 2000 Aluminum Fixed Window - Impact Resistant

under Chapter 8 of the Code of Miami-Dade County governing the use of Alternate Materials and Types of Construction, and completely described herein, has been recommended for acceptance by the Miami-Dade County Building Code Compliance Office (BCCO) under the conditions specified herein.

This NOA shall not be valid after the expiration date stated below. BCCO reserves the right to secure this product or material at any time from a jobsite or manufacturer's plant for quality control testing. If this product or material fails to perform in the approved manner, BCCO may revoke, modify, or suspend the use of such product or material immediately. BCCO reserves the right to revoke this approval, if it is determined by BCCO that this product or material fails to meet the requirements of the South Florida Building Code.

The expense of such testing will be incurred by the manufacturer.

ACCEPTANCE NO.: 00-0605.02
EXPIRES: 12/07/2003

Raul Rodriguez
Chief Product Control Division

THIS IS THE COVERSHEET, SEE ADDITIONAL PAGES FOR SPECIFIC AND GENERAL CONDITIONS
BUILDING CODE & PRODUCT REVIEW COMMITTEE

This application for Product Approval has been reviewed by the BCCO and approved by the Building Code and Product Review Committee to be used in Miami-Dade County, Florida under the conditions set forth above.

Francisco J. Quintana, R.A.
Director
Miami-Dade County
Building Code Compliance Office

APPROVED: 12/07/2000

K. D. Windows, Inc.

ACCEPTANCE No.: 00-0605.02

APPROVED : DEC 07 2000

EXPIRES : DEC 07 2003

NOTICE OF ACCEPTANCE: SPECIFIC CONDITIONS

1. SCOPE

1.1 This approves an aluminum fixed window, as described in Section 2 of this Notice of Acceptance, designed to comply with the South Florida Building Code (SFBC), 1994 Edition for Miami-Dade County. For the locations where the pressure requirements, as determined by SFBC Chapter 23, do not exceed the Design Pressure Rating values indicated in the approved drawings.

2. PRODUCT DESCRIPTION

2.1 The **Series KDI 2000 Aluminum Fixed Window – Impact Resistant**, and its components shall be constructed in strict compliance with the following documents: Drawing No **1011A**, Sheets 1 thru 4 of 4, titled “KDI Series 2000 Fixed Impact Resistant Window (DADE)” dated on 05/15/00, prepared by W. W. Schaefer Engineering & Consulting, P.A., signed and sealed by Warren W. Schaefer, P.E. They bear 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. These documents shall hereinafter be referred to as the approved drawings.

3. LIMITATIONS

3.1 This approval applies to single unit applications, as shown approved drawings.

4. INSTALLATION

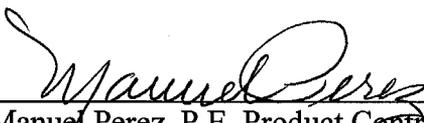
4.1 The aluminum fixed window and its components shall be installed in strict compliance with the approved drawings.
4.2 Hurricane protection system (shutters): The installation of this unit **will not require** a hurricane protective system.

5. LABELING

5.1 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".

6. BUILDING PERMIT REQUIREMENTS

6.1 Application for building permit shall be accompanied by copies of the following:
6.1.1 This Notice of Acceptance
6.1.2 Duplicate copies of the approved drawings, as identified in Section 2 of this Notice of Acceptance, clearly marked to show the components selected for the proposed installation.
6.1.3 Any other documents required by the Building Official or the South Florida Building Code (SFBC) in order to properly evaluate the installation of this system.



Manuel Perez, P.E. Product Control Examiner
Product Control Division

K. D. Windows, Inc.

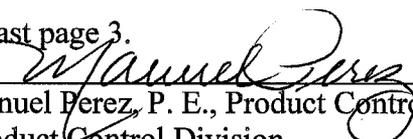
ACCEPTANCE No.: 00-0605.02

APPROVED : DEC 07 2000

EXPIRES : DEC 07 2003

NOTICE OF ACCEPTANCE: STANDARD CONDITIONS

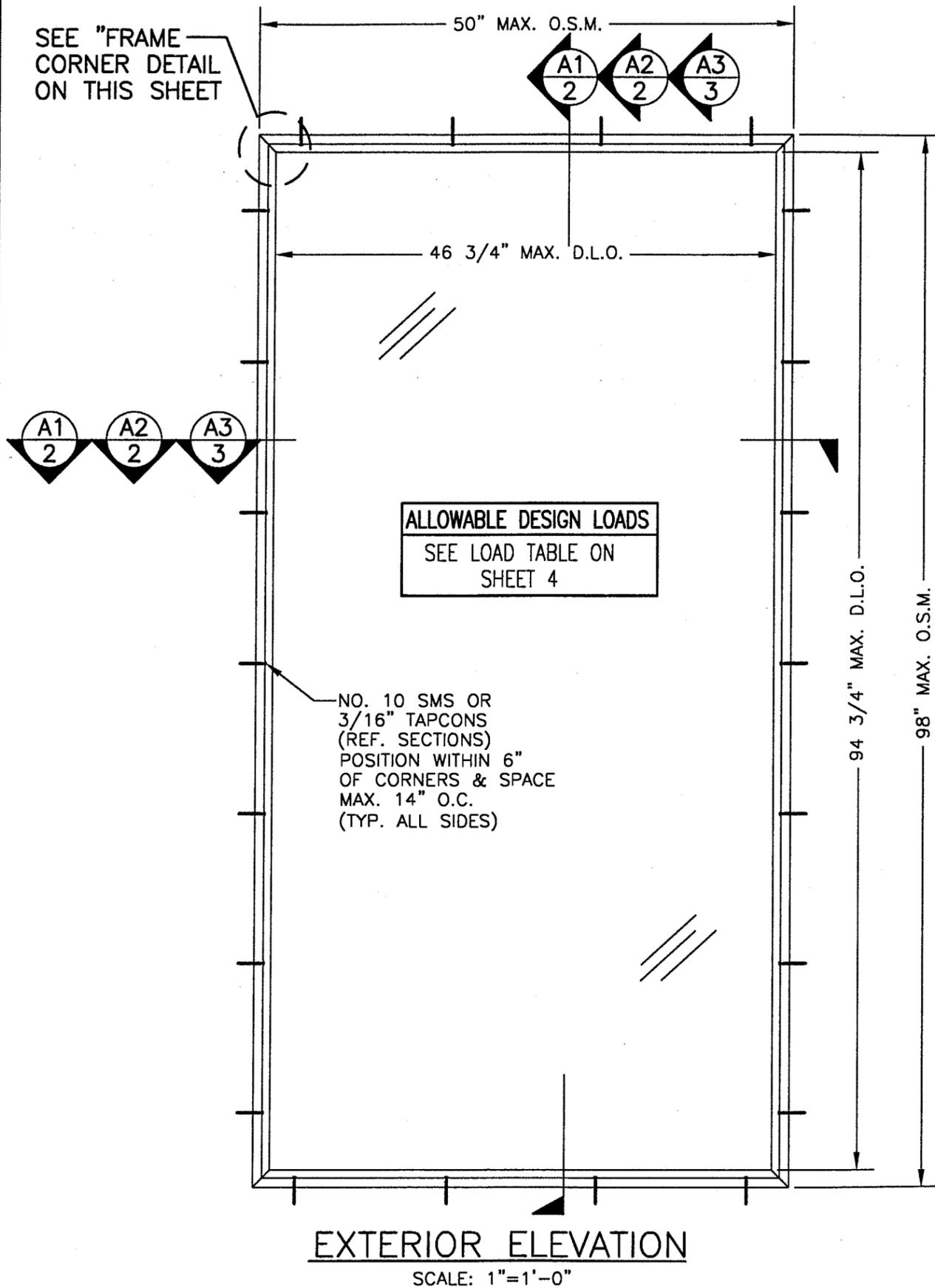
1. Renewal of this Acceptance (approval) shall be considered after a renewal application has been filed and the original submitted documentation, including test supporting data, engineering documents, are no older than eight (8) years.
2. Any and all approved products shall be permanently labeled with the manufacturer's name, city, state, and the following statement: "Miami-Dade County Product Control Approved", or as specifically stated in the specific conditions of this Acceptance.
3. Renewals of Acceptance will not be considered if:
 - a) There has been a change in the South Florida Building Code affecting the evaluation of this product and the product is not in compliance with the code changes;
 - b) The product is no longer the same product (identical) as the one originally approved;
 - c) If the Acceptance holder has not complied with all the requirements of this acceptance, including the correct installation of the product;
 - d) The engineer who originally prepared, signed and sealed the required documentation initially submitted is no longer practicing the engineering profession.
4. Any revision or change in the materials, use, and/or manufacture of the product or process shall automatically be cause for termination of this Acceptance, unless prior written approval has been requested (through the filing of a revision application with appropriate fee) and granted by this office.
5. Any of the following shall also be grounds for removal of this Acceptance:
 - a) Unsatisfactory performance of this product or process.
 - b) Misuse of this Acceptance as an endorsement of any product, for sales, advertising or any other purpose.
6. The Notice of Acceptance 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 Notice of Acceptance is displayed, then it shall be done in its entirety.
7. A copy of this Acceptance as well as approved drawings and other documents, where it applies, shall be provided to the user by the manufacturer or its distributors and shall be available for inspection at the job site at all time. The engineer need not reseal the copies.
8. Failure to comply with any section of this Acceptance shall be cause for termination and removal of Acceptance.
9. This Notice of Acceptance consists of pages 1, 2 and this last page 3.



Manuel Perez, P. E., Product Control Examiner
Product Control Division

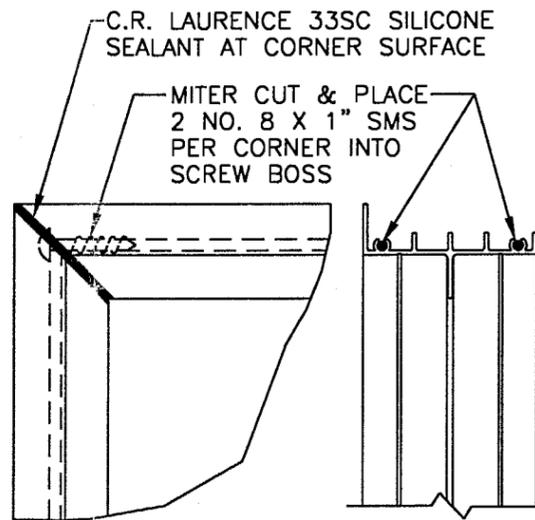
END OF THIS ACCEPTANCE

SEE "FRAME CORNER DETAIL ON THIS SHEET"



GENERAL NOTES

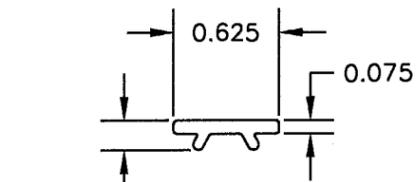
1. THIS FIXED WINDOW SYSTEM HAS BEEN TESTED, ANALYZED AND APPROVED FOR DESIGN PRESSURES SHOWN ON THESE DRAWINGS.
2. BUCKING, OPENINGS & BUCKING FASTENERS MUST BE DESIGNED & INSTALLED TO WITHSTAND WIND LOADS AS DETERMINED FOR EA. APPLICATION
3. BUCKING FASTENERS MAY NOT EXCEED 16" O.C. SPACING AROUND OPENINGS REGARDLESS OF CIRCUMSTANCE.
4. ALL MATERIAL, HARDWARE & FASTENERS SHALL BE IN ACCORDANCE WITH THESE DRAWINGS & MAY NOT VARY UNLESS SPECIFICALLY MENTIONED ON THE DRAWINGS.
5. THE DETAILS & SPECIFICATIONS SHOWN HEREIN REPRESENT THE PRODUCTS PROPOSED FOR WATER INFILTRATION, AIR INFILTRATION, FORCED ENTRY, UNIFORM STATIC AIR PRESSURE, CYCLIC & IMPACT TESTING IN CONFORMANCE WITH DADE COUNTY PROTOCOLS PA-201, PA-202 & PA-203.
6. THIS FIXED WINDOW SYSTEM HAS BEEN ANALYZED & DESIGNED IN ACCORDANCE WITH THE 1994 SOUTH FLORIDA BUILDING CODE.
7. THIS PRODUCT HAS BEEN TESTED IN ACCORDANCE WITH DADE COUNTY PROTOCOLS PA-201, PA-202 & PA-203 FOR LARGE MISSILE IMPACT GLAZED SYSTEMS.
8. ALL BUCKING SHALL BE NO. 2 SOUTHERN PINE (P.T. WHEN AGAINST BLOCK OR CONCRETE).



OPTION:
SPOT WELD CORNER BETWEEN EACH TOOTH IN LIEU OF USING SCREWS.

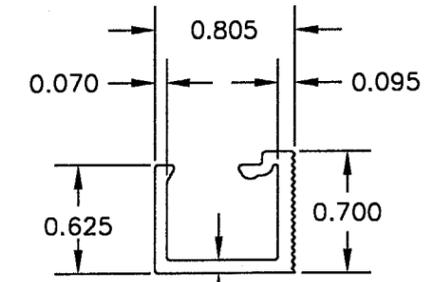
CORNER DETAIL

SCALE: 3"=1'-0"



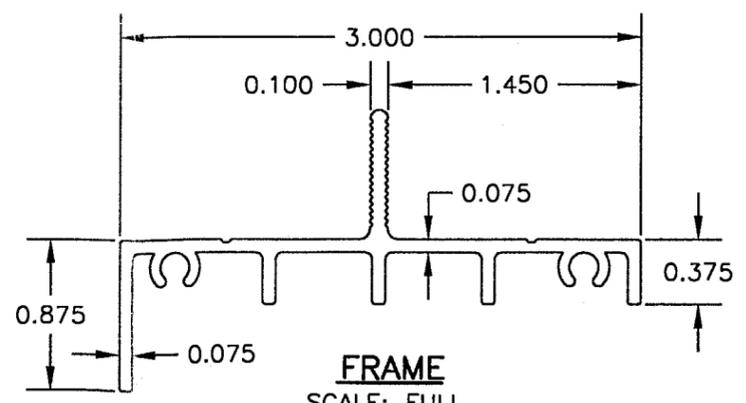
GLASS STOP CAP

SCALE: FULL
6063-T6 ALUMINUM



GLASS STOP

SCALE: FULL
6063-T6 ALUMINUM

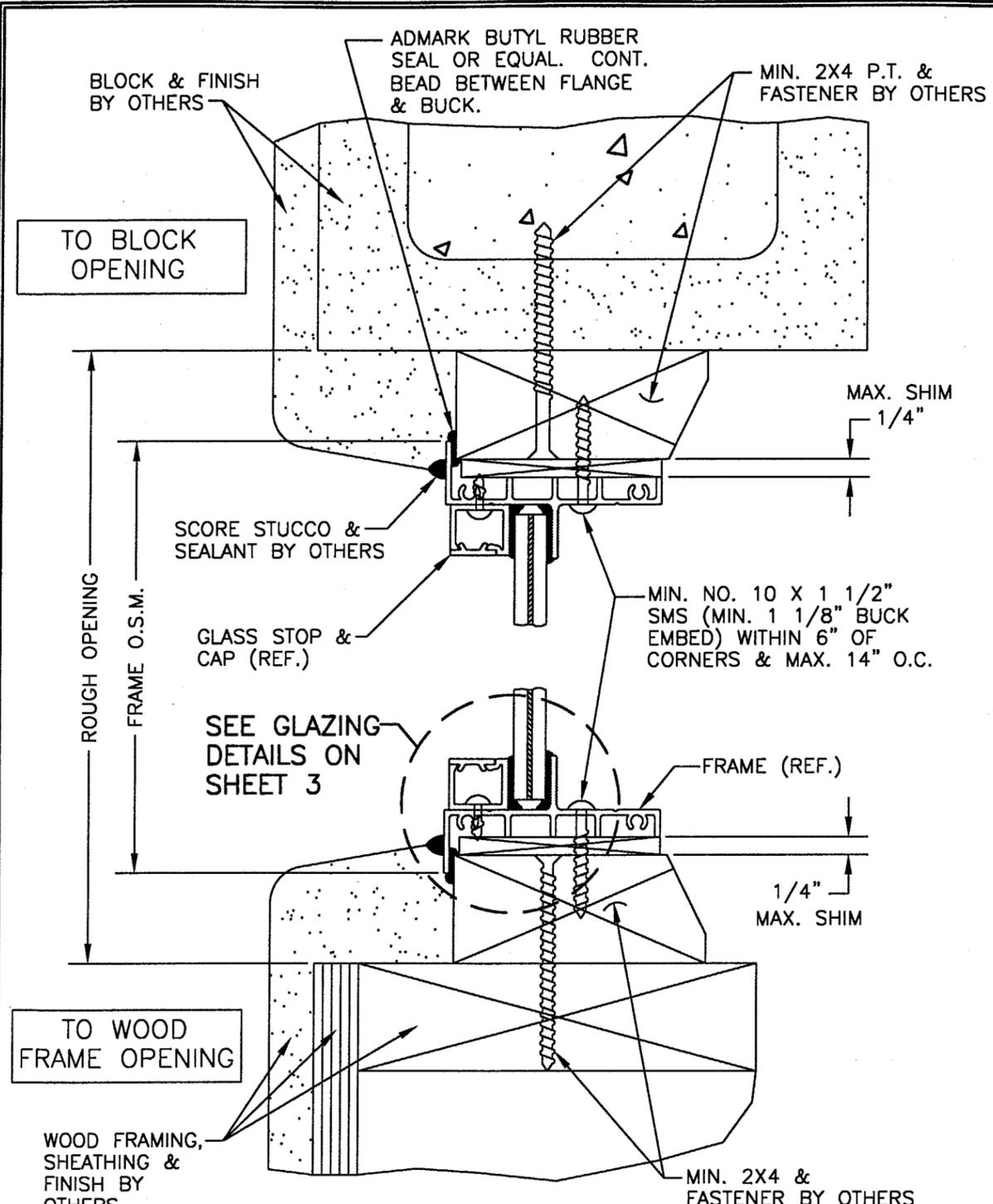


FRAME

SCALE: FULL
6063-T6 ALUMINUM

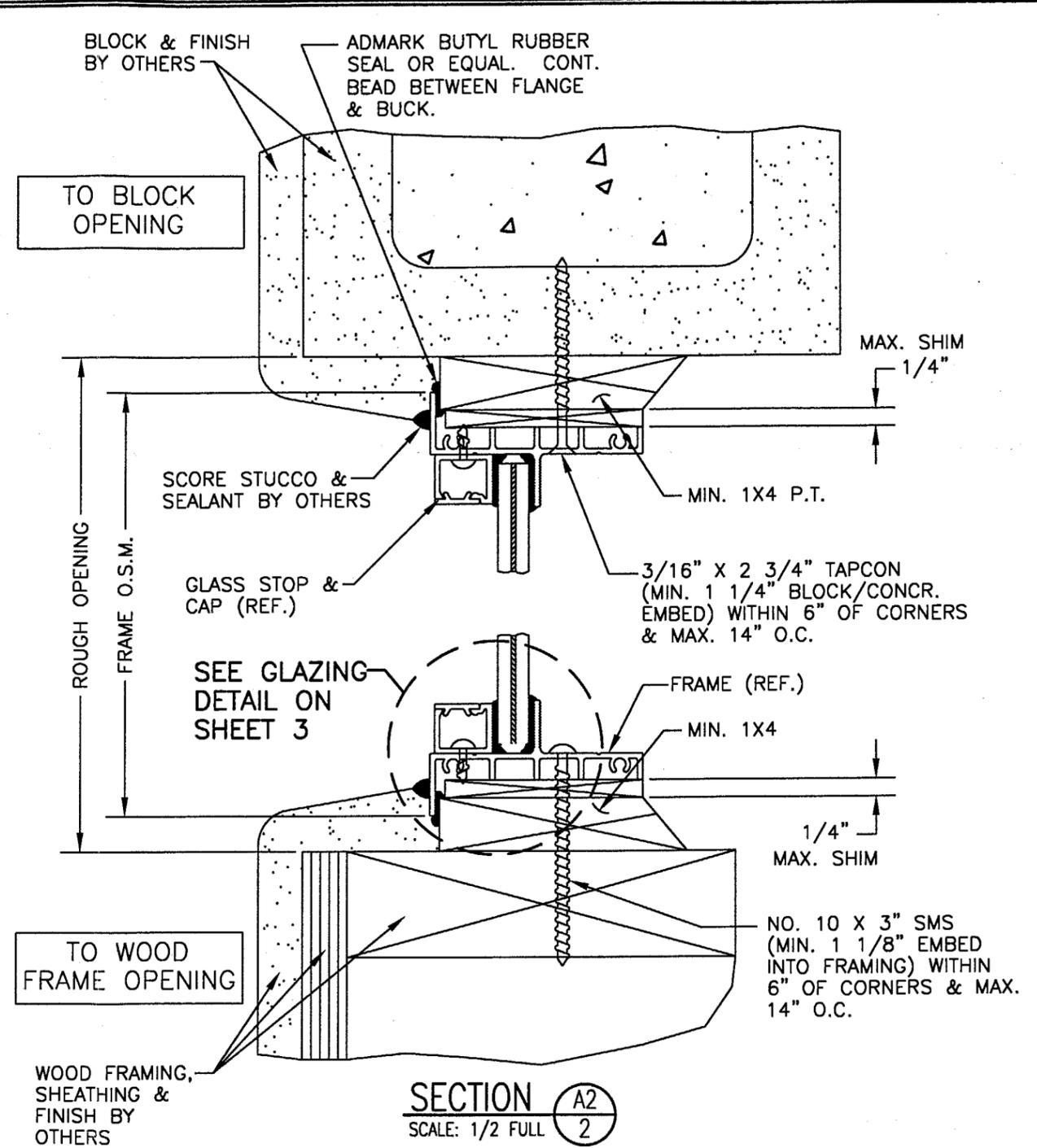
APPROVED AS COMPLYING WITH THE SOUTH FLORIDA BUILDING CODE
DATE December 07, 2000
BY Warren W. Schaeffer
PRODUCT CONTROL DIVISION
BUILDING CODE COMPLIANCE OFFICE
ACCEPTANCE NO. 00-0605.02

DRAWN BY: W.W.S.		CHECKED BY: W.W.S.	
PLOT: 1-12		DATE: 05/15/00	
DATE	BY	REVISION DESCRIPTION	NO.
DRAWING TITLE KDI SERIES 2000 FIXED IMPACT RESISTANT WINDOW (DADE)			
CONSULTANTS W. W. SCHAEFER ENGINEERING & CONSULTING, P.A. 600 SANDTREE DRIVE, SUITE 203B PALM BEACH GARDENS, FL 33403 PHONE: 561-775-4902 FAX: 561-775-4903		MANUFACTURER K.D. WINDOWS, INC. 3705 SHARES PLACE RIVERIA BEACH, FLORIDA 33404 (561)845-1401	
CERTIFICATION JUN 16 2000 WARREN W. SCHAEFER, P.E. P.E. NO. 44135			
DRAWING NO. 1011A		REV. 	
SHEET NO. 1		OF 4	



SECTION A1
SCALE: 1/2 FULL

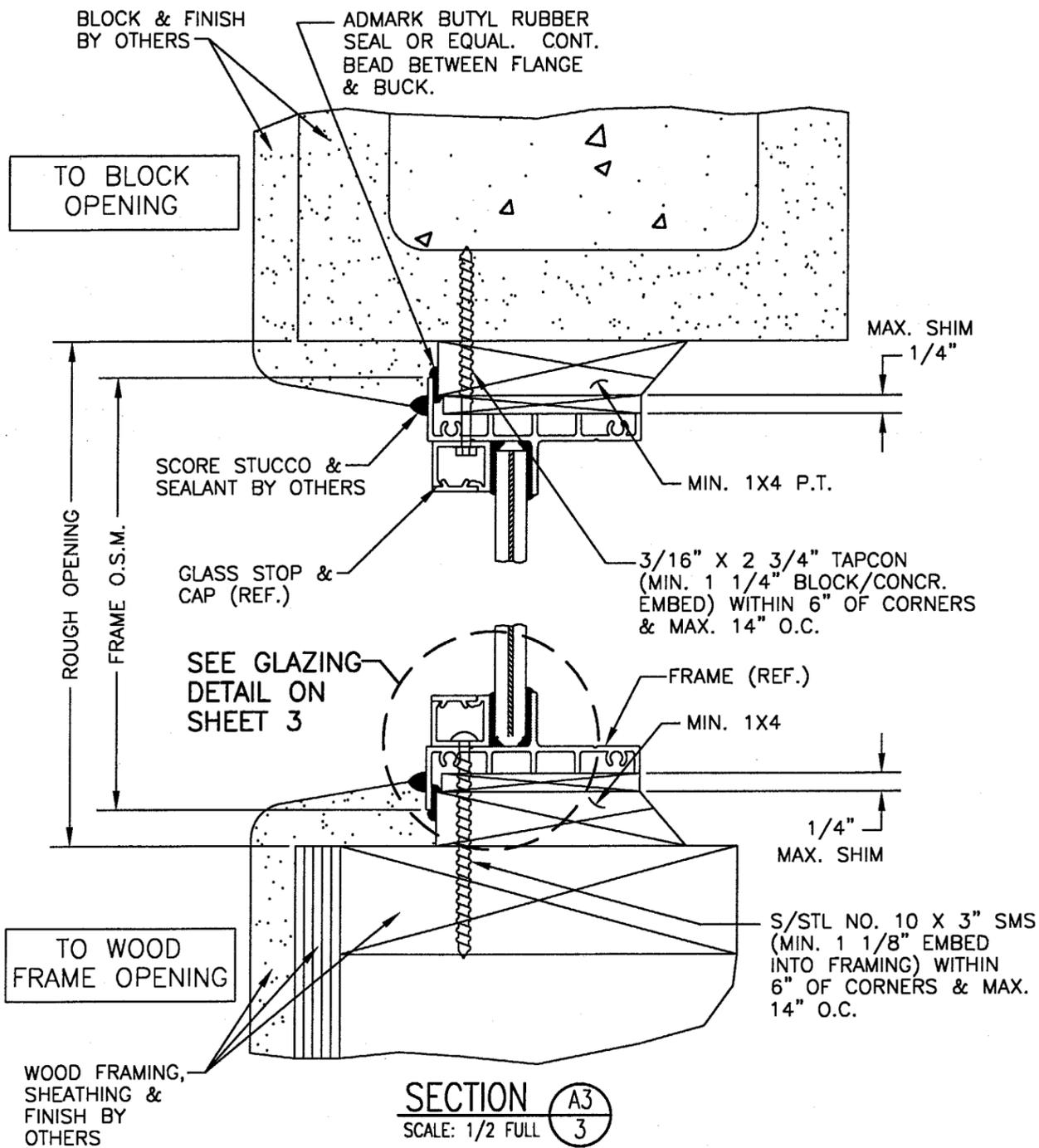
MAX. ROUGH OPENING = FRAME O.S.M. + 2 1/2"
MIN. ROUGH OPENING = FRAME O.S.M. + 2 1/8"



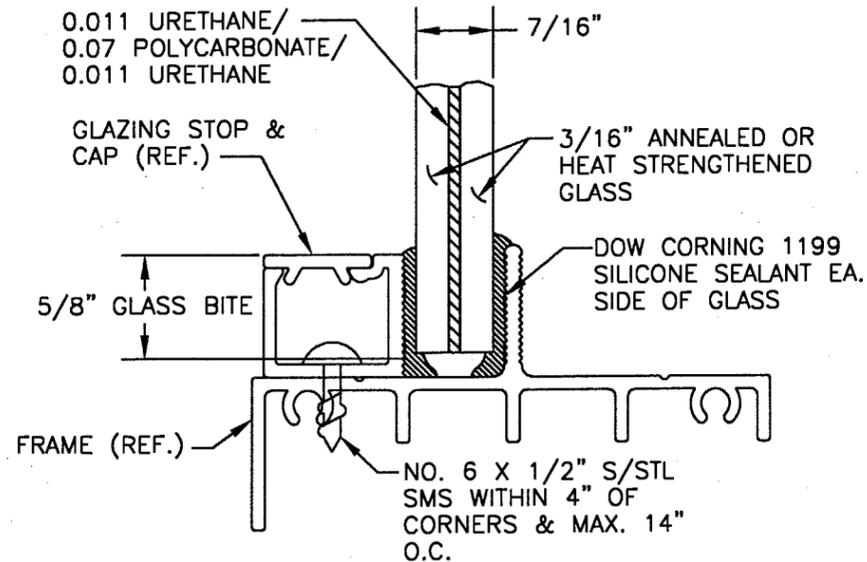
SECTION A2
SCALE: 1/2 FULL

MAX. ROUGH OPENING = FRAME O.S.M. + 1"
MIN. ROUGH OPENING = FRAME O.S.M. + 1/2"

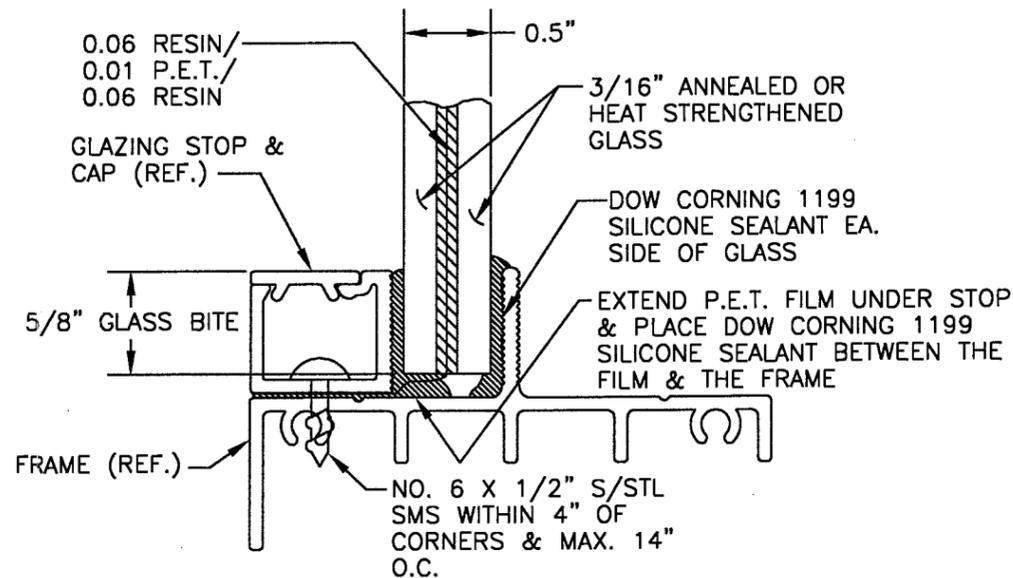
DRAWN BY: W.W.S.		CHECKED BY: W.W.S.	
PLOT: 1=2		DATE: 05/15/00	
NO.	REVISION DESCRIPTION	BY	DATE
DRAWING TITLE: KDI SERIES 2000 FIXED IMPACT RESISTANT WINDOW (DADE)			
CONSULTANTS: W. W. SCHAEFER ENGINEERING & CONSULTING, P.A. 600 SANDTREE DRIVE, SUITE 203B PALM BEACH GARDENS, FL 33403 PHONE: 561-775-4902 FAX: 561-775-4903		MANUFACTURER: K.D. WINDOWS, INC. 3705 SHARES PLACE RIVERIA BEACH, FLORIDA 33404 (561)845-1401	
CERTIFICATION: JUN 16 2000		WARREN W. SCHAEFER, P.E. P.E. NO. 44135	
DRAWING NO. 1011A	REV. SHEET NO. 2 OF 4	APPROVED AS COMPLYING WITH THE SOUTH FLORIDA BUILDING CODE DATE: December 27, 2000 BY: <i>Warren W. Schaefer</i> PRODUCT CONTROL DIVISION BUILDING CODE COMPLIANCE OFFICE ACCEPTANCE NO. 00-0605-02	



SECTION A3
SCALE: 1/2 FULL



GLAZING DETAIL 1
7/16" SECURITY IMPACT GLASS HOLDINGS L.L.C.
"SAF-GLAS" LAMINATED GLASS



GLAZING DETAIL 2

1/2" NEBULA GLASS INTERNATIONAL, INC.
"SAFETY-PLUS" LAMINATED GLASS

SEE LOAD TABLE ON SHEET 4
FOR GLASS USAGE WITH RESPECT
TO ALLOWABLE DESIGN WIND LOAD.

APPROVED AS COMPLYING WITH THE
SOUTH FLORIDA BUILDING CODE
DATE *December 27, 2000*
BY *Manuel Perez*
PRODUCT CONTROL DIVISION
BUILDING CODE COMPLIANCE OFFICE
ACCEPTANCE NO. *00-0605-02*

DRAWN BY: W.W.S.	CHECKED BY: W.W.S.
PLOT: 1-2	DATE: 05/15/00
DATE	BY
REVISION DESCRIPTION	NO.
DRAWING TITLE KDI SERIES 2000 FIXED IMPACT RESISTANT WINDOW (DADE)	
CONSULTANTS W. W. SCHAEFER ENGINEERING & CONSULTING, P.A. 600 SANDTREE DRIVE, SUITE 203B PALM BEACH GARDENS, FL 33403 PHONE: 561-775-4902 FAX: 561-775-4903	MANUFACTURER K.D. WINDOWS, INC. 3705 SHARES PLACE RIVERIA BEACH, FLORIDA 33404 (561)845-1401
CERTIFICATION JUN 16 2000	WARREN W. SCHAEFER, P.E. P.E. NO. 44135
DRAWING NO. 1011A	REV.
SHEET NO. 3	OF 4

**WIND LOAD TABLE
(1/2" NEBULA SAFETY-PLUS LAMINATED ANNEALED GLASS)**

HEIGHT	ALLOWABLE DESIGN PRESSURES (PSF)													
24	60.0	70.0	60.0	70.0	60.0	70.0	60.0	70.0	60.0	70.0	60.0	70.0	60.0	70.0
30	60.0	70.0	60.0	70.0	60.0	70.0	60.0	70.0	60.0	70.0	60.0	70.0	60.0	70.0
36	60.0	70.0	60.0	70.0	60.0	70.0	60.0	70.0	60.0	70.0	60.0	70.0	60.0	70.0
42	60.0	70.0	60.0	70.0	60.0	70.0	60.0	70.0	60.0	70.0	60.0	70.0	60.0	70.0
48	60.0	70.0	60.0	70.0	60.0	70.0	60.0	70.0	60.0	70.0	60.0	70.0	60.0	70.0
54	60.0	70.0	60.0	70.0	60.0	70.0	60.0	70.0	60.0	70.0	60.0	70.0	60.0	70.0
60	60.0	70.0	60.0	70.0	60.0	70.0	60.0	70.0	60.0	70.0	60.0	70.0	60.0	70.0
66	60.0	70.0	60.0	70.0	60.0	70.0	60.0	70.0	60.0	70.0	60.0	70.0	60.0	70.0
72	60.0	70.0	60.0	70.0	60.0	70.0	60.0	70.0	60.0	70.0	60.0	70.0	60.0	70.0
78	60.0	70.0	60.0	70.0	60.0	70.0	60.0	70.0	60.0	70.0	60.0	70.0	60.0	70.0
84	60.0	70.0	60.0	70.0	60.0	70.0	60.0	70.0	60.0	70.0	60.0	70.0	60.0	68.0
90	60.0	70.0	60.0	70.0	60.0	70.0	60.0	70.0	60.0	70.0	60.0	68.0	60.0	64.0
96	60.0	70.0	60.0	70.0	60.0	70.0	60.0	70.0	60.0	70.0	60.0	68.5	60.0	66.5
98	60.0	70.0	60.0	70.0	60.0	70.0	60.0	70.0	60.0	70.0	60.0	67.8	60.0	64.2
102	60.0	70.0	60.0	70.0	60.0	70.0	60.0	70.0	60.0	70.0	60.0	64.2	-	-
108	60.0	70.0	60.0	70.0	60.0	70.0	60.0	70.0	60.0	70.0	-	-	-	-
114	60.0	70.0	60.0	70.0	60.0	70.0	60.0	70.0	60.0	66.9	-	-	-	-
120	60.0	70.0	60.0	70.0	60.0	70.0	60.0	70.0	-	-	-	-	-	-
	POS	NEG	POS	NEG	POS	NEG	POS	NEG	POS	NEG	POS	NEG	POS	NEG
WIDTH	18	24	30	36	42	48	50							

TABLE NOTES:

- HEIGHT = FRAME O.S.M. HEIGHT IN INCHES
- WIDTH = FRAME O.S.M. WIDTH IN INCHES
- POS = POSITIVE PRESSURE
- NEG = NEGATIVE PRESSURE
- HEIGHT AND WIDTH MAY BE EITHER HORIZONTAL OR VERTICAL (INTERCHANGED)
- PRESSURES IN THESE TABLES ARE LIMITED TO +60/-70 PSF AS CONTROLLED BY TESTED DESIGN PRESSURE.
- "-" MEANS THAT THE APPLICABLE SIZE EXCEEDS THAT OF THE TESTED SIZE & MAY NOT BE USED.

NOTE: PRESSURES IN THESE TABLES MAY BE INCREASED TO +60/-70 PSF IF HEAT STRENGTHENED PANES OF GLASS ARE USED IN LIEU OF ANNEALED (PROVIDING THICKNESS IS THE SAME)

**WIND LOAD TABLE
(7/16" SECURITY SAF-GLAS LAMINATED ANNEALED GLASS)**

HEIGHT	ALLOWABLE DESIGN PRESSURES (PSF)													
24	60.0	70.0	60.0	70.0	60.0	70.0	60.0	70.0	60.0	70.0	60.0	70.0	60.0	70.0
30	60.0	70.0	60.0	70.0	60.0	70.0	60.0	70.0	60.0	70.0	60.0	70.0	60.0	70.0
36	60.0	70.0	60.0	70.0	60.0	70.0	60.0	70.0	60.0	70.0	60.0	70.0	60.0	70.0
42	60.0	70.0	60.0	70.0	60.0	70.0	60.0	70.0	60.0	70.0	60.0	70.0	60.0	70.0
48	60.0	70.0	60.0	70.0	60.0	70.0	60.0	70.0	60.0	70.0	60.0	70.0	60.0	70.0
54	60.0	70.0	60.0	70.0	60.0	70.0	60.0	70.0	60.0	70.0	60.0	70.0	60.0	70.0
60	60.0	70.0	60.0	70.0	60.0	70.0	60.0	70.0	60.0	70.0	60.0	70.0	60.0	70.0
66	60.0	70.0	60.0	70.0	60.0	70.0	60.0	70.0	60.0	70.0	60.0	68.5	60.0	65.0
72	60.0	70.0	60.0	70.0	60.0	70.0	60.0	70.0	60.0	70.0	60.0	63.0	60.0	61.0
78	60.0	70.0	60.0	70.0	60.0	70.0	60.0	70.0	60.0	66.0	58.3	58.3	55.0	55.0
84	60.0	70.0	60.0	70.0	60.0	70.0	60.0	70.0	60.0	63.5	53.5	53.5	51.5	51.5
90	60.0	70.0	60.0	70.0	60.0	70.0	60.0	68.5	58.3	58.3	49.5	49.5	47.0	47.0
96	60.0	70.0	60.0	70.0	60.0	70.0	60.0	63.0	53.5	53.5	46.0	46.0	44.5	44.5
98	60.0	70.0	60.0	70.0	60.0	70.0	60.0	62.5	53.0	53.0	45.2	45.2	43.2	43.2
102	60.0	70.0	60.0	70.0	60.0	70.0	59.7	59.7	50.1	50.1	43.2	43.2	-	-
108	60.0	70.0	60.0	70.0	60.0	68.2	56.5	56.5	46.7	46.7	-	-	-	-
114	60.0	70.0	60.0	70.0	60.0	64.5	53.3	53.3	44.5	44.5	-	-	-	-
120	60.0	70.0	60.0	70.0	60.0	61.7	50.1	50.1	-	-	-	-	-	-
	POS	NEG	POS	NEG	POS	NEG	POS	NEG	POS	NEG	POS	NEG	POS	NEG
WIDTH	18	24	30	36	42	48	50							

APPROVED AS COMPLYING WITH THE SOUTH FLORIDA BUILDING CODE
 DATE December 07, 2000
 BY Manuel Jara
 PRODUCT CONTROL DIVISION
 BUILDING CODE COMPLIANCE OFFICE
 ACCEPTANCE NO. 20-0605.02

DRAWN BY: W.W.S.	CHECKED BY: W.W.S.
PLOT: 1=1	DATE: 05/15/00
DATE	
BY	
REVISION DESCRIPTION	
NO.	
DRAWING TITLE: KDI SERIES 2000 FIXED IMPACT RESISTANT WINDOW (DADE)	
MANUFACTURER:	K.D. WINDOWS, INC. 3705 SHARES PLACE RIVERIA BEACH, FLORIDA 33404 (561)845-1401
CONSULTANTS:	W. W. SCHAEFER ENGINEERING & CONSULTING, P.A. 600 SANDTREE DRIVE, SUITE 203B PALM BEACH GARDENS, FL 33403 PHONE: 561-775-4902 FAX: 561-775-4903
CERTIFICATION:	JUN 16 2000 WARREN W. SCHAEFER, P.E. P.E. NO. 44135
DRAWING NO.	REV.
1011A	
SHEET NO.	
4	OF 4