



**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**

**NOTICE OF ACCEPTANCE (NOA)**

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

**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 400 Aluminum Casement Window- L.M.I.**

**APPROVAL DOCUMENT:** Drawing No. **03-096**, titled "Series 400 Casement Window Large Missile Impact Resistant", sheets 1 through 4 of 4, dated 05/02/03 with revision "B" dated 06/24/04, prepared by Tilteco, Inc., signed and sealed by Walter A. Tillit, 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 Division.

**MISSILE IMPACT RATING: Large and 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 revises NOA # **03-0605.06** consists of this page 1 and evidence page E-1 and E-2, as well as approval document mentioned above.

The submitted documentation was reviewed by **Herminio Gonzalez, P.E.**



*Willy  
Molloy*

**NOA No 04-0317.02  
Expiration Date: June 02, 2008  
Approval Date: August 12, 2004  
Page 1**

**K.D. Windows, Inc.**

**NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED**

**A. DRAWINGS**

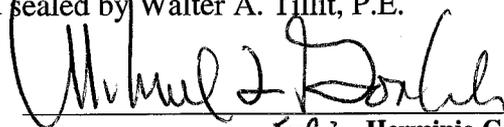
1. Manufacturer's die drawings and sections.
2. Drawing No. **03-096**, titled "Series 400 Casement Window Large Missile Impact Resistant", sheets 1 through 4 of 4, dated 05/02/03 with revision "**B**" dated 06/24/04, prepared by Tilteco, Inc., signed and sealed by Walter A. Tillit, P.E.

**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 20294  
3) Water Resistance Test, per FBC, TAS 202-94  
4) Forced Entry Test, per FBC 2411 3.2.1 and TAS 202-94  
along with marked-up drawings and installation diagram of an aluminum casement window, prepared by Hurricane Engineering & Testing Inc., Test Report No. **HETI-96-1075**, dated October 30, 1996, signed and sealed by Hector M. Medina, P.E.  
*"Submitted under NOA#03-0605.06"*
2. Test reports on 1) Large Missile Impact Test per FBC, TAS 201-94  
2) Cyclic Wind Pressure Loading per FBC, TAS 203-94  
along with marked-up drawings and installation diagram of an aluminum casement window, prepared by American Test Lab of South Florida, Test Report No. **ATL-0109.01-04**, dated January 19, 2004, signed and sealed by Henry Hattem, P.E.
3. Test reports on 1) Large Missile Impact Test per FBC, TAS 201-94  
2) Cyclic Wind Pressure Loading per FBC, TAS 203-94  
along with marked-up drawings and installation diagram of an aluminum casement window, prepared by Hurricane Engineering & Testing Inc., Test Report No. **HETI-03-1791** dated January 17, 2003, signed and sealed by Rafael E. Droz-Seda, P.E.

**C. CALCULATIONS**

1. Anchor Calculations, prepared by Al Farooq Corporation, dated 6/28/03, signed and sealed by Humayoun Farooq, P.E.  
*"Submitted under NOA#03-0605.06"*
2. Anchor Calculations, dated 3/2/2000, prepared, signed and sealed by Humayoun Farooq, P.E.  
*"Submitted under NOA#03-0605.06"*
3. Anchor Calculations, ASTM-E1300, and structural analysis, prepared by Tilteco, Inc., dated 01/15/04, signed and sealed by Walter A. Tillit, P.E.



FDR: Herminio Gonzalez, P.E.  
Director, Product Control Division

NOA No 04-0317.02

Expiration Date: June 02, 2008

Approval Date: August 12, 2004

**K.D. Windows, Inc.**

**NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED**

**D. MATERIAL CERTIFICATIONS**

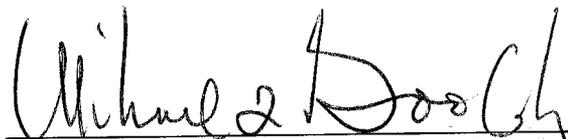
1. Notice of Acceptance No. **01-1204.01** issued to E.I. DuPont DeNemours for their "Sentry ® Plus" dated 1/17/02, expiring on 1/14/07.

**E. STATEMENTS**

1. Statement letter of conformance, dated January 19, 2004, signed and sealed by Henry Hattem, P.E.
2. Statement letter of no financial interest February 10, 2004, signed and sealed by Walter A. Tillit, P.E.

**F. OTHER**

1. Notice of Acceptance No. **03-0605.06**, issued to K.D. Window, Inc., for their Aluminum Casement Window, approved on 07/12/03 and expiring on 06/2/08.
2. Letter from the consultant stating that the product is in compliance with the Florida Building Code (FBC)

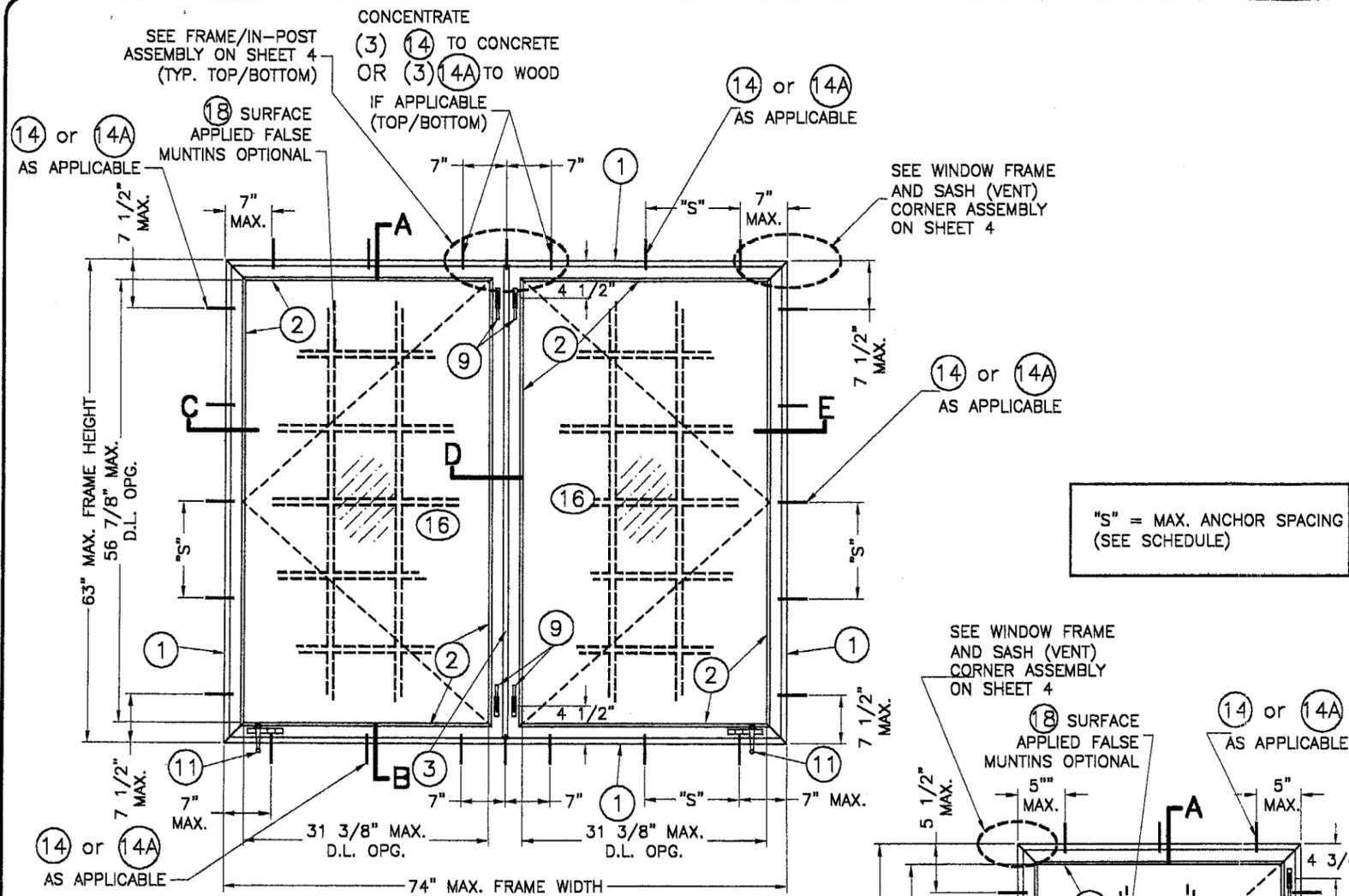


**For Herminio Gonzalez, P.E.  
Director, Product Control Division**

**NOA No 04-0317.02**

**Expiration Date: June 02, 2008**

**Approval Date: August 12, 2004**



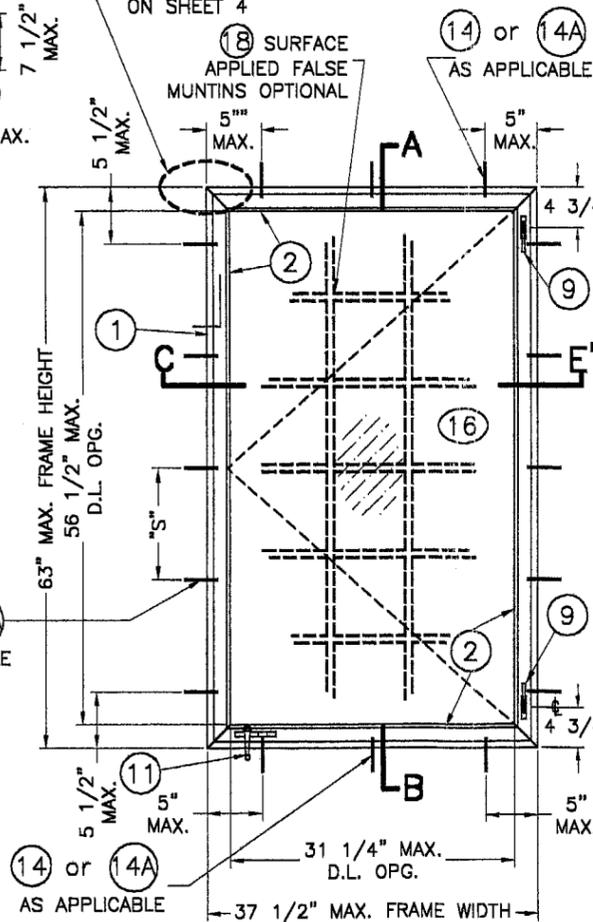
**SERIES 400 DOUBLE CASEMENT WINDOW—LARGE MISSILE IMPACT RESISTANT (INTERIOR ELEVATION)**  
SCALE: NTS.

**MAXIMUM DESIGN PRESSURE RATING VERSUS WINDOW SIZE VERSUS GLASS TYPE SCHEDULE**

DESIGN PRESSURE RATING	MAX. FRAME WIDTH		MAX. FRAME HEIGHT		GLASS TYPE
	SINGLE CASEMENT	DOUBLE CASEMENT	SINGLE CASEMENT	DOUBLE CASEMENT	
+65, -75	37 1/2"	74"	63"	63"	(16)

**MAX. ANCHOR SPACING SCHEDULE**

LOCATION	ANCHOR TYPE	DOUBLE CASEMENT			SINGLE CASEMENT		
		"S"			"S"		
		CONCRETE	BLOCK	WOOD	CONCRETE	BLOCK	WOOD
SILL & HEAD	14	11 1/2"	11 1/2"	—	13 1/2"	13 1/2"	—
	14A	—	—	11 1/2"	—	—	13 1/2"
JAMBS	14	13"	13"	—	13"	13"	—
	14A	—	—	13"	—	—	13"



**SERIES 400 SINGLE CASEMENT WINDOW—LARGE MISSILE IMPACT RESISTANT (INTERIOR ELEVATION)**  
NTS.

**GENERAL NOTES AND SPECIFICATIONS:**

- SERIES 625 DOUBLE & SINGLE CASEMENT WINDOW—LARGE MISSILE IMPACT RESISTANT, SHOWN ON THIS PRODUCT APPROVAL DOCUMENT (P. A. D.) HAS BEEN VERIFIED FOR COMPLIANCE IN ACCORDANCE WITH THE 2001 EDITION OF THE FLORIDA BUILDING CODE. WINDOW MAY BE INSTALLED AT HIGH VELOCITY HURRICANE ZONES. DESIGN WIND LOADS SHALL BE DETERMINED AS PER SECTION 1619 OF THE ABOVE MENTIONED CODE. IN ORDER TO VERIFY THAT ANCHORS ON THIS P.A.D., AS TESTED, WERE NOT OVERSTRESSED, A 33% INCREASE IN ALLOWABLE STRESS FOR WIND LOADS WAS **NOT** USED IN THEIR ANALYSIS. THIS WINDOW'S ADEQUACY FOR IMPACT AND CYCLIC RESISTANCE HAS BEEN VERIFIED IN ACCORDANCE WITH SECTION 1606.1.4 OF THE ABOVE MENTIONED CODE AS PER TAS-201, TAS-202, TAS-203 AS PER LAB REPORTS # HETI 03-1791, HETI 96-1075 & ATL 0109.01-04 AND AS PER SUBMITTED STRUCTURAL CALCULATIONS, PERFORMED AS PER SECTION 1611 OF THE FLORIDA BUILDING CODE.
- ALL ALUMINUM EXTRUSIONS SHALL BE ALUMINUM ASSOCIATION 6063-T6 ALLOY AND TEMPER (UNLESS OTHERWISE NOTED), WITH  $F_y = 25.0$  ksi MINIMUM. THE THICKNESS OF ALL EXTRUSIONS SHALL BE AS SHOWN ON THIS DRAWING.
- ALL SCREWS USED FOR ASSEMBLY CONNECTIONS (METAL TO METAL) TO BE STAINLESS STEEL 304 OR 316 AISI SERIES OR CORROSION RESISTANT COATED CARBON STEEL AS PER DIN 50018 WITH 50 ksi YIELD POINT AND 90 ksi TENSILE STRENGTH.
- WOOD BUCKS BY OTHERS, MUST BE ANCHORED PROPERLY TO TRANSFER LOADS TO THE BUILDING STRUCTURE. WOOD BUCKS MUST BE SOUTHERN PINE,  $G = 0.55$ . WOOD BUCKS NOT BY K.D. WINDOWS, INC., MUST SUSTAIN LOADS IMPOSED BY GLAZING SYSTEM AND TRANSFER THEM TO THE BUILDING STRUCTURE.
- ANCHOR NOTES: ANCHORS TO WALL SHALL BE AS FOLLOWS:  
 (A) TO EXISTING POURED CONCRETE: (Min.  $f'_c = 3$  ksi)  
 - 1/4" TAPCON ANCHORS 1 1/4" MIN. EMBEDMENT, AS MANUFACTURED BY ELCO TEXTRON (COMPONENT (14)), THRU 1" P.T. WOOD BUCK.  
 (B) TO EXISTING CONCRETE BLOCK WALL:  
 - 1/4" TAPCON ANCHORS W/ 1 1/4" MIN. EMBEDMENT, AS MANUFACTURED BY ELCO TEXTRON (COMPONENT (14)), THRU 1" P.T. WOOD BUCK.  
 (C) TO EXISTING 2" P.T. WOOD BUCK:  
 - #14 WOOD SCREWS (NON CORROSIVE) W/ 1 1/2" MIN. EMBEDMENT (COMPONENT (14A))
- PROVIDE 1/4" MAX. SHIM SPACE (TYP.).
- THIS WINDOW WILL NOT REQUIRE A HURRICANE PROTECTION DEVICE.**
- PROVIDE SCHNEE MOREHEAD SEAM SEALER SM5504 SEALANT (TYP.) AT ALL FRAME AND SASH (VENT) JOINTS.
- REMAIN COMPONENTS FOR THIS WINDOW'S SYSTEM SHALL BE AS INDICATED ON BILL OF MATERIALS, SHEET 3 OF THIS DRAWING.
- WINDOW'S MANUFACTURER STAMP SHALL BE PLACED ON THE EXPOSED SURFACE OF PROFILES (1) OR (2). ONE LABEL SHALL BE PLACED FOR EVERY OPENING. LABEL SHALL READ AS FOLLOWS:  
 K.D. WINDOWS, INC.  
 RIVIERA BEACH, FLORIDA  
 MIAMI-DADE COUNTY PRODUCT CONTROL APPROVED.
- (a) THIS P.A.D. PREPARED BY THIS ENGINEER IS GENERIC AND DOES NOT PROVIDE INFORMATION FOR A SITE SPECIFIC PROJECT; I.E. WHERE THE SITE CONDITIONS DEVIATE FROM THE P.A.D.  
 (b) CONTRACTOR TO BE RESPONSIBLE FOR THE SELECTION, PURCHASE AND INSTALLATION INCLUDING LIFE SAFETY OF THIS PRODUCT, BASED ON THIS P.A.D., PROVIDED HE/SHE DOES NOT DEVIATE FROM THE CONDITIONS DETAILED ON THIS DOCUMENT. CONSTRUCTION SAFETY AT SITE IS THE CONTRACTOR'S RESPONSIBILITY.  
 (c) THIS P.A.D. WILL BE CONSIDERED INVALID IF ALTERED BY ANY MEANS.  
 (d) THIS P.A.D. SHALL BEAR THE DATE AND ORIGINAL SEAL AND SIGNATURE OF THE PROFESSIONAL ENGINEER OF RECORD THAT PREPARED IT.

"S" = MAX. ANCHOR SPACING (SEE SCHEDULE)

SEE WINDOW FRAME AND SASH (VENT) CORNER ASSEMBLY ON SHEET 4

(18) SURFACE APPLIED FALSE MUNTINS OPTIONAL

*David J. [Signature]*  
6/24/04

**PRODUCT REVISED**  
 as complying with the Florida Building Code  
 Acceptance No. 04-0317-02  
 Expiration Date 06/02/08  
 By: [Signature]  
 Miami-Dade Product Control Division

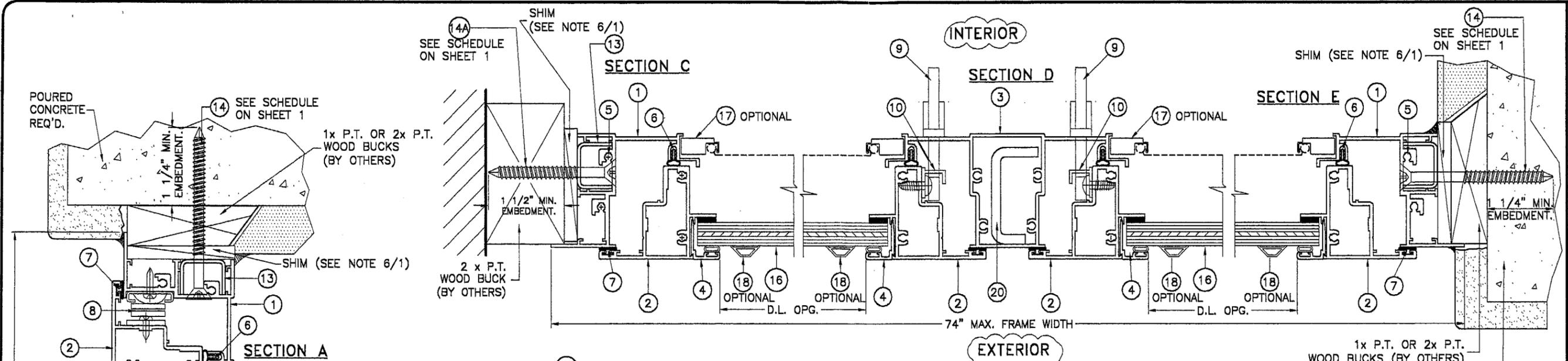
**K.D. WINDOWS, INC.**  
 3705 SHARES PLACE  
 RIVIERA BEACH, FLORIDA 33404

**SERIES 400 CASEMENT WINDOW—LARGE MISSILE IMPACT RESISTANT**

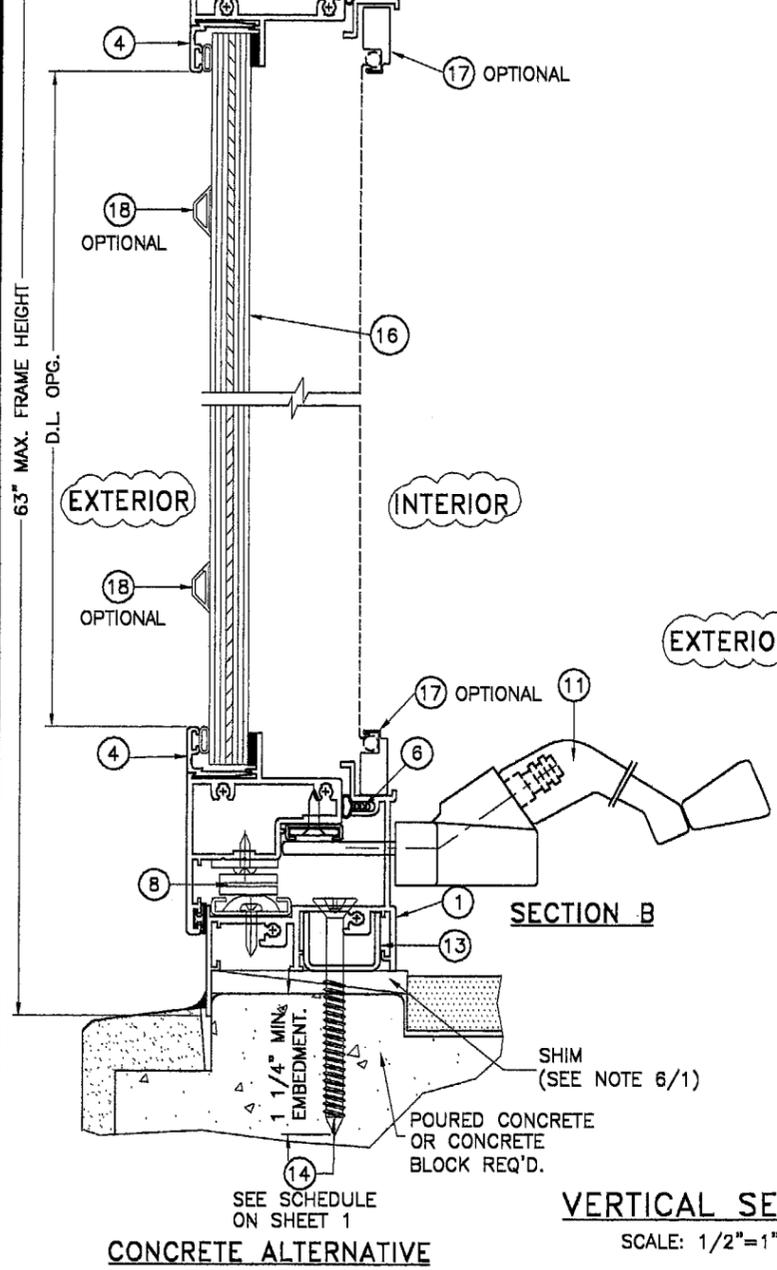
**TILECO inc.**  
 TILLIT TESTING & ENGINEERING COMPANY  
 6595 N.W. 36th St., Ste. 217, VIRGINIA GARDENS, FL 33166  
 Phone: (305)871-1530 Fax: (305)871-1531  
 EB-0006719  
 WALTER A. TILLIT, Jr., P. E.  
 FLORIDA Lic. # 44167

NO.	DATE	REVISION
1	5/25/04	GENERAL
2	6/22/04	GENERAL

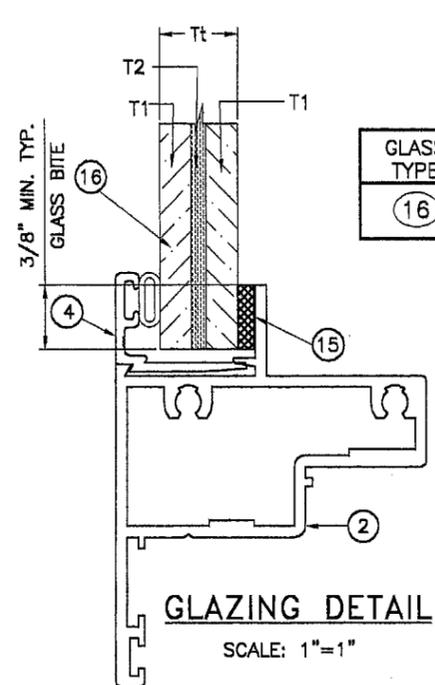
DATE: 5/2/03  
 SCALE: AS SHOWN  
 DWG. BY:  
 CHK. BY:  
 DWG. No.: 03-096  
 SHEET 1 OF 4



**HORIZONTAL SECTION**  
SCALE: 1/2"=1"



**VERTICAL SECTIONS**  
SCALE: 1/2"=1"



GLASS TYPE	T1 GLASS	T2 LAMINATE	Tt TOTAL	MANUFACTURER
16	0.186" ANNEALED	0.090" DUPONT SENTRYGLAS® PLUS	0.462"	E.I. DUPONT DENEMOURS & CO., INC.

**PRODUCT REVISED**  
as complying with the Florida Building Code  
Acceptance No. 04-0317-02  
Expiration Date 06/02/08  
By: *[Signature]*  
Minimal Date Product Control Division

*[Signature]*  
6/24/04

**K.D.WINDOWS, INC.**  
3705 SHARES PLACE  
RIVIERA BEACH, FLORIDA 33404

**SERIES 400 CASEMENT WINDOW—LARGE MISSILE IMPACT RESISTANT**

**TILECO INC.**  
TILLIT TESTING & ENGINEERING COMPANY  
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Phone: (305)871-1530 Fax: (305)871-1531  
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WALTER A. TILLIT, Jr., P. E.  
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NO.	DATE	REVISION
1	5/25/04	GENERAL
2	5/22/04	GENERAL

DATE: 5/2/03  
SCALE: AS SHOWN  
DWG. BY:  
CHK. BY:  
DWG. No.: 03-096  
SHEET 2 OF 4



