



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)**

[www.buldingcodeonline.com](http://www.buldingcodeonline.com)

**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 455 Aluminum Horizontal Sliding Window – L.M.I.**

**APPROVAL DOCUMENT:** Drawing No. **07-004**, titled "Series 455 Aluminum Horizontal Sliding Window", sheets 1 through 4 of 4, dated 01/03/07, prepared by EngCo, Inc., signed and sealed by Pedro De Figueiredo, 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 Resistant**

**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 and renews NOA # 01-0110.04** and 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 **Manuel Perez, P.E.**



NOA No. 06-1205.02  
Expiration Date: November 29, 2007  
Approval Date: March 15, 2007  
Page 1

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

**NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED**

**A. DRAWINGS**

1. Manufacturer's die drawings and sections.
2. Drawing No **07-004**, Sheets 1 through 4 of 4, titled "Series 455 Aluminum Horizontal Sliding Window", dated 01/03/07, prepared by EngCo, Inc., signed and sealed by Pedro De Figueiredo, P.E.

**B. TESTS**

1. Test reports on 1) Large Missile Impact Test per SFBC, PA 201-94,  
2) Cyclic Wind Pressure Loading per SFBC, PA 203-94  
along with marked-up drawings and installation diagram of 3 specimens of XOX aluminum horizontal sliding window, prepared by Hurricane Test Laboratory, Inc., Test Report No. **HTL-0145-0214-98**, dated 2/13/98, signed and sealed by Timothy S. Marshall, P.E.
2. Test reports on 1) Air Infiltration Test, per PA 202-94  
2) Uniform Static Air Pressure Test, Loading per PA 202-94  
3) Water Resistance Test, per PA 202-94  
along with marked-up drawings and installation diagram of 1 specimen of XOX aluminum horizontal sliding window, prepared by Hurricane Test Laboratory, Inc., Test Report No. **HTL-0145-0803-98**, dated 8/25/98, signed and sealed by Timothy S. Marshall, P.E.

**C. CALCULATIONS**

1. Anchor verification calculations and structural analysis, complying with FBC-2004, prepared by EngCo, Inc., dated 1/8/07, signed and sealed by Pedro De Figueiredo, P.E.  
**Complies with ASTM E1300-02**

**D. QUALITY ASSURANCE**

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

**E. MATERIAL CERTIFICATIONS**

1. Notice of Acceptance No. **06-0216.06** issued to Solutia Inc. for their "Saflex IIIG Clear or colored interlayer" dated 05/04/06, expiring on 05/21/11.

  
Manuel Perez, P.E.  
Product Control Examiner  
NOA No. 06-1205.02  
Expiration Date: November 29, 2007  
Approval Date: March 15, 2007

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

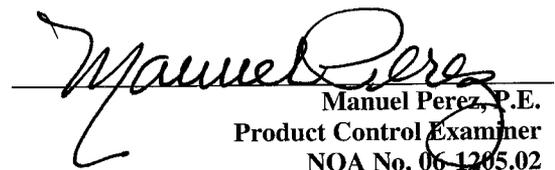
**NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED**

**F. STATEMENTS**

1. Statement letter of conformance and no financial interest, dated January 9, 2007, signed and sealed by Pedro De Figueiredo, P.E.
2. Statement letter from manufacturer stating that the product has not changed and requesting a One-Year Renewal to allow the time to perform a verification test, dated 11/9/06, signed by Vincent Conway.
3. Letter from laboratory confirming manufacturer has contracted and scheduled verification tests, issued by Hurricane Test Lab., dated February 8, 2007, signed by Ms. Urmilla Jokhu-Sowell, P.E.

**G. OTHER**

1. Notice of Acceptance No. **01-0110.04**, issued to K.D. Windows, Ltd. for their Series 455 Aluminum Horizontal Sliding Window – Impact Resistant, approved on 11/29/01 and expiring on 11/29/06.

  
Manuel Perez, P.E.  
Product Control Examiner  
NOA No. 06-1205.02  
Expiration Date: November 29, 2007  
Approval Date: March 15, 2007

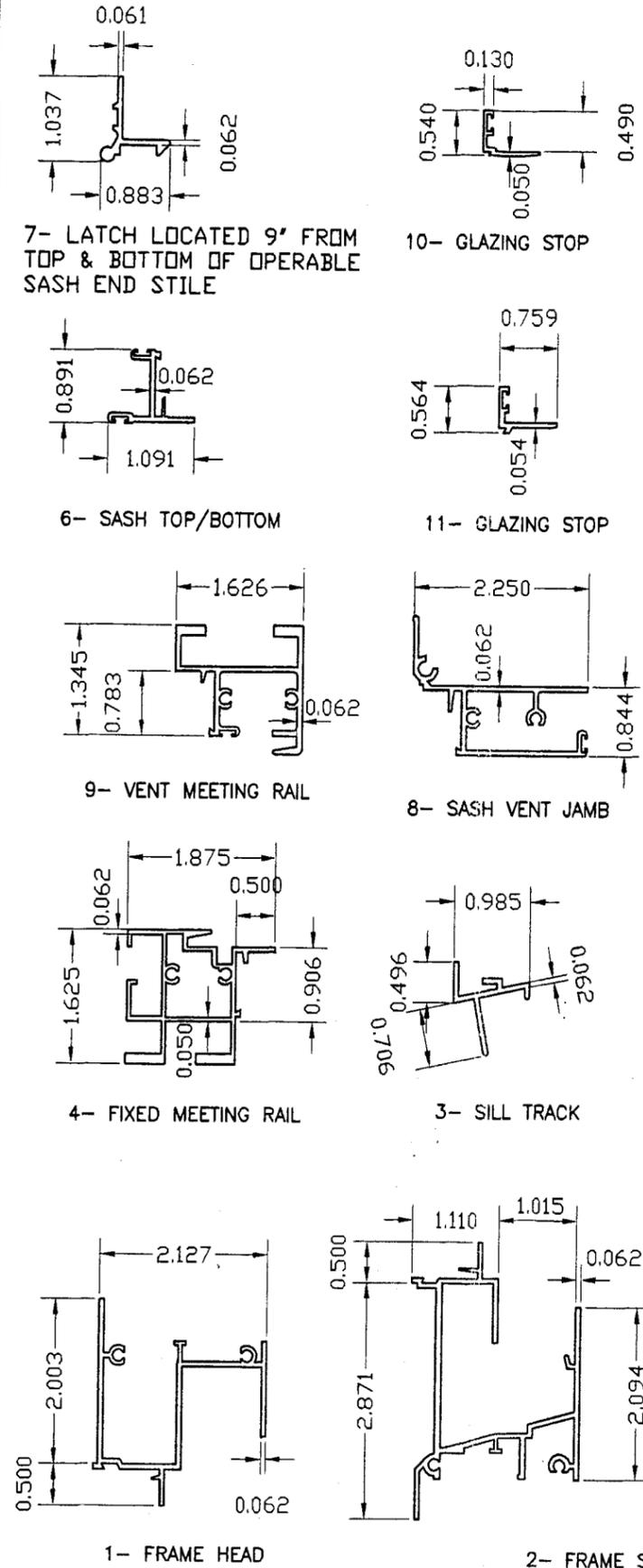
**INDEX:**

- SHEET 1 of 4 - GENERAL NOTES, WINDOW COMPONENTS AND ALLOWABLE PRESSURES
- SHEET 2 of 4 - TYPICAL ELEVATIONS OX, XO, ANCHORAGE LAY-OUT AND GLAZING DETAILS
- SHEET 3 of 4 - VERTICAL & HORIZONTAL DETAILS
- SHEET 4 of 4 - ASSEMBLY DETAIL

**GENERAL NOTES:**

- 1- CODE: THIS PRODUCT HAS BEEN TESTED AND DESIGNED IN ACCORDANCE WITH THE FLORIDA BUILDING CODE 2004 INCLUDING THE HIGH VELOCITY HURRICANE ZONE (HVHZ).
- 2- DEFINITION: THIS PRODUCT IS AN ALUMINUM HORIZONTAL SLIDING WINDOW IMPACT RESISTANT.
- 3- POSTING: 'SERIES 455 - LARGE MISSILE IMPACT ALUMINUM HORIZONTAL SLIDING WINDOW KD WINDOWS - RIVIERA BEACH - FLORIDA DADE COUNTY PRODUCT CONTROL APPROVED'
- 4- DESIGN LOADS: THE DESIGNED LOADS MUST BE CALCULATED BY A PROFESSIONAL ARCHITECT OR ENGINEER FOR EACH SPECIFIC PROJECT. THE CALCULATED DESIGNED PRESSURE MUST NOT EXCEED THE ALLOWABLE APPROVED PRESSURE.
- 5- MATERIAL: ALL ALUMINUM PARTS TO BE 6063-T5 ALLOY OR AS NOTED AND GLAZING TO BE LAMINATED IMPACT RESISTANT GLASS AS SPECIFIED ON THIS APPROVAL.
- 6- FASTENERS: ASSEMBLY SCREWS AND ANCHORS SHALL BE AS SPECIFIED IN THE CURRENT SET OF DRAWINGS. INSTALLATION AND LOADS AS PER THIS APPROVAL. ANCHOR QUANTITY & SPACING MUST NOT EXCEED THE MAXIMUM LIMITS SPECIFIED BY THIS APPROVAL.
- 7- USE: IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR, ARCHITECT OR ENGINEER OF RECORD TO VERIFY THE FOLLOWING:
  - 7.1- THE STABILITY OF THE STRUCTURE WHERE THE PRODUCT IS TO BE ATTACHED INSURING PROPER ANCHORAGE.
  - 7.2- THE SITE SPECIFIC PROJECT CRITERIA, SUCH AS BUT NOT LIMITED TO, LOCAL CODE REQUIREMENTS, DESIGNED PRESSURES ETC.
  - 7.3- THAT THIS APPROVAL IS ADEQUATE TO THE SPECIFIC PROJECT.
- 8- 33 1/3% INCREASE IN ALLOWABLE LOADS HAVE NOT BEEN USED IN THE DESIGN OF THE ANCHORS FOR THIS PRODUCT APPROVAL, HOWEVER, WOOD SCREWS WITH 1.6 INCREASE FOR WIND LOAD DURATION HAVE BEEN USED.
- 9- DISSIMILAR MATERIALS: MATERIALS, INCLUDING BUT NOT LIMITED TO STEEL, THAT COME IN CONTACT WITH OTHER DISSIMILAR MATERIALS SHALL MEET THE REQUIREMENTS OF 2004 FLORIDA BUILDING CODE SECTION 2003.8.4.

**DOOR COMPONENTS**



**MATERIAL LIST - WINDOWS OX OR XO AND XOXO**

No	PART	QTY		PART DESCRIPTION	MATERIAL
		OX	XOX		
1	AW-353	1	1	FRAME HEAD	6063-T5
2	AW-401	1	1	FRAME SILL	6063-T5
3	AW-402	1	1	FRAME SILL TRACK	6063-T5
4	AW-376	1	2	FIXED MEETING RAIL	6063-T5
5	AW-361	1	2	FRAME JAMB	6063-T5
6	AW-355	2	4	SASH TOP & BOTTOM	6063-T5
7	AW-354	1	2	LATCH	6063-T5
8	AW-360	1	2	SASH VENT JAMB	6063-T5
9	AW-374	1	2	VENT MEETING RAIL	6063-T5
10	AW-371	AR		GLAZING STOP	6063-T5
11	AW-372	AR		GLAZING STOP	6063-T5
12	-	AR		ASSEMBLY SCREWS	#8X1RHPS
13	-	AR		ASSEMBLY SCREWS	#8X1RHPS
14	-	4	8	PLASTIC HOUSING	-
15	-	2	4	PLASTIC WHEEL	-
16	-	AR		FIN SEAL PILE	-
17	-	2	2	2" FOAM	-
18	-	AR		899 DOW CORNING	-
19	-	AR		GASKET VINYL	-
20	AW-359	1	0	FRAME JAMB	6063-T5

AR - AS REQUIRED

Manufacturer:  
**KD  
Windows**

3705 SHARES PLACE  
RIVIERA BCH, FL. 33404  
TEL.: (561) 845-1401  
FAX: (561) 845-1498

Product:  
**SERIES 455**  
ALUMINUM HORIZONTAL  
SLIDING WINDOW  
LARGE MISSILE IMPACT RESISTANT

Engineering:  
**EngCo Inc.**

CA 8116  
6971 W. SUNRISE BLVD. 104  
PLANTATION, FL. 33313  
TEL.: (954) 585-0304  
FAX.: (954) 585-0305

**JAN 09 2007**  
Engineer Seal  
Pedro De Figueredo  
PE 52609

Date: 01/03/07  
Scale: NA  
Design by: PPMF

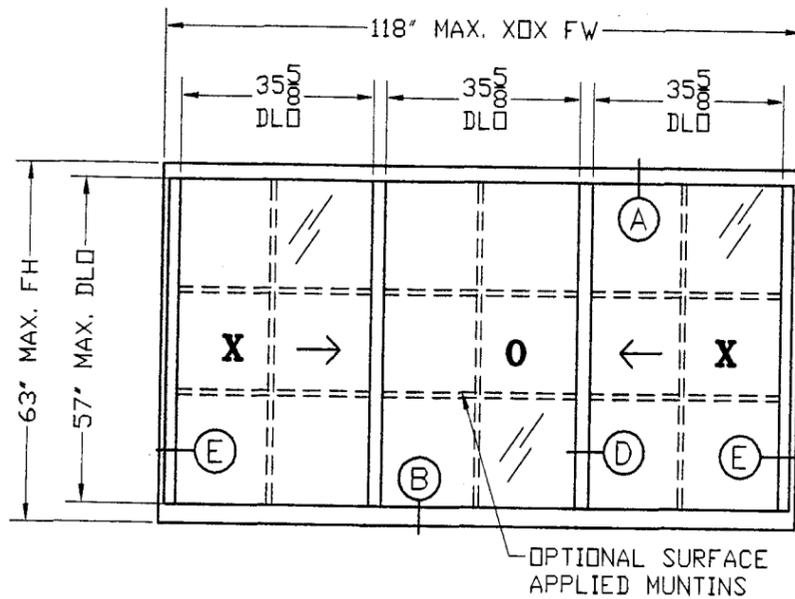
PRODUCT CONTROL DIVISION:  
PRODUCT REVISED  
as complying with the Florida  
Building Code  
Acceptance No **06-1205.02**  
Expiration Date **NOV. 29, 2007**  
By *Manuel Berry*  
Miami Dade Product Control  
Division

Drawing Number  
**07-004**

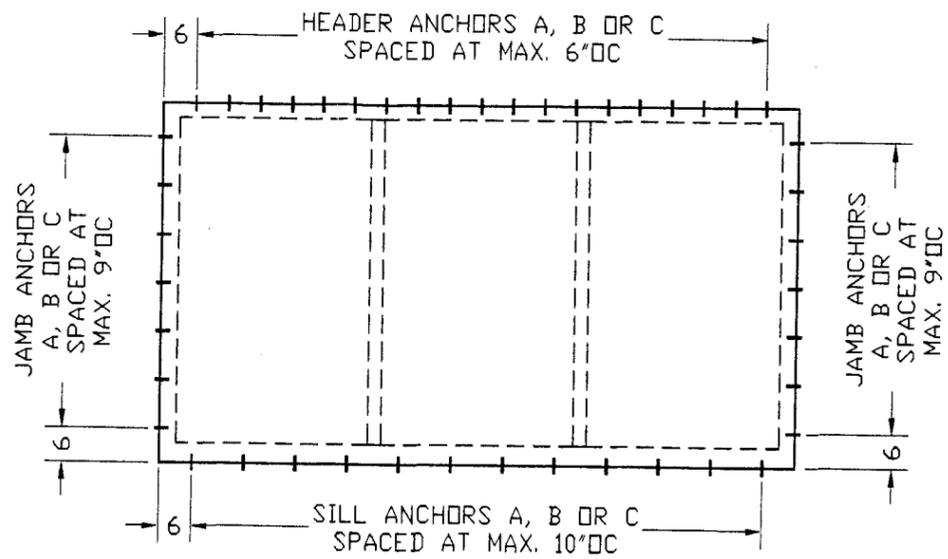
Sheet  
**1 of 4**

WINDOW ALLOWABLE DESIGNED PRESSURES	
MAXIMUM WINDOW SIZE	ALLOWABLE PRESSURE
118x63 XOX 78x63 XO	+60 PSF, -60 PSF +60 PSF, -60 PSF
118x51 XOX 78x51 XO	+60 PSF, -70 PSF +60 PSF, -70 PSF

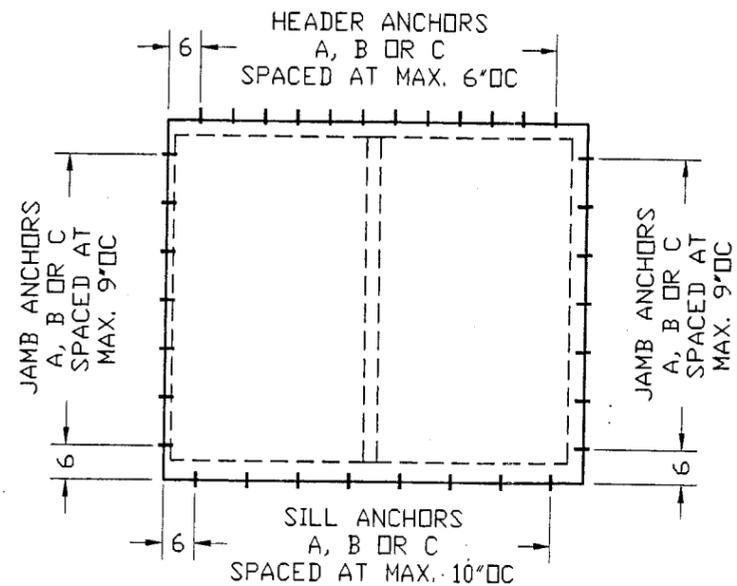
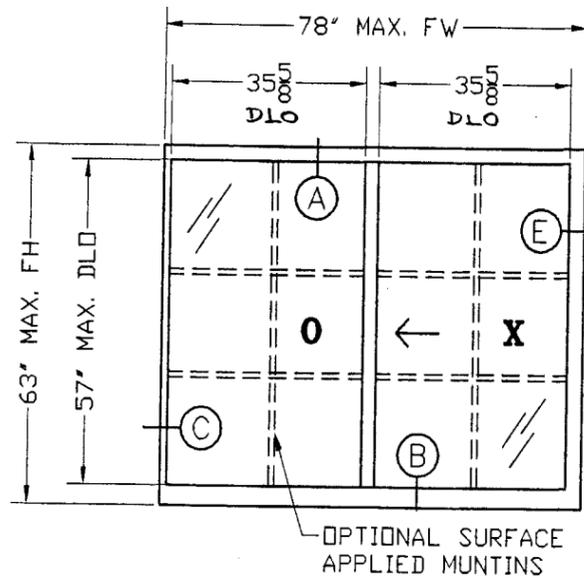
# TYPICAL XOX ELEVATION



# TYPICAL ANCHOR SPACING LAY-OUT



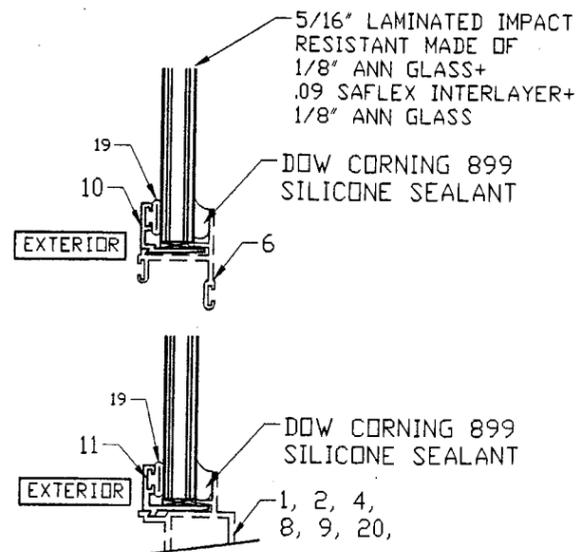
# TYPICAL OX or XO ELEVATION



**ANCHOR TYPES:**  
 A- 3/16" TAPCON BY ITW WITH 1 3/4" MIN. EMBED. INTO 3192 PSI CONCRETE  
 B- 3/16" TAPCON BY ITW THROUGH 1X PT WOOD W/ 1" EMBED. INTO 3192 PSI CONCRETE  
 C- 3/16" TAPCONS WITH 1 1/2" MIN. EMBED. INTO PT WOOD (SG) = .55

**EDGE DISTANCE:** 1" INTO WOOD  
 2 1/2" INTO CONCRETE

# GLAZING DETAILS



Manufacturer:  
**KD Windows**  
 3705 SHARES PLACE  
 RIVIERA BCH, FL. 33404  
 TEL.: (561) 845-1401  
 FAX: (561) 845-1498

Product:  
**SERIES 455**  
 ALUMINUM HORIZONTAL  
 SLIDING WINDOW  
 LARGE MISSILE IMPACT RESISTANT

Engineering:  
**EngCo Inc.**

CA 8116  
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**JAN 09 2007**

Engineer Seal  
 Pedro De Figueredo  
 PE 52609

Date: 01/03/07  
 Scale: NA  
 Design by: PPMF

PRODUCT CONTROL DIVISION:

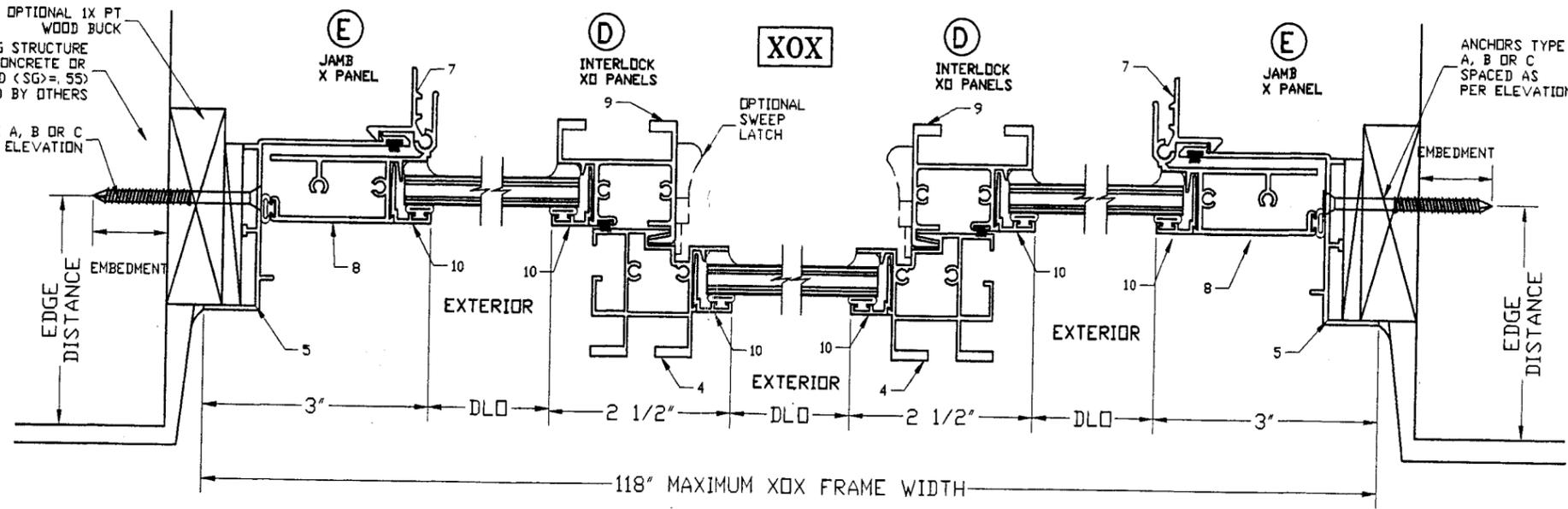
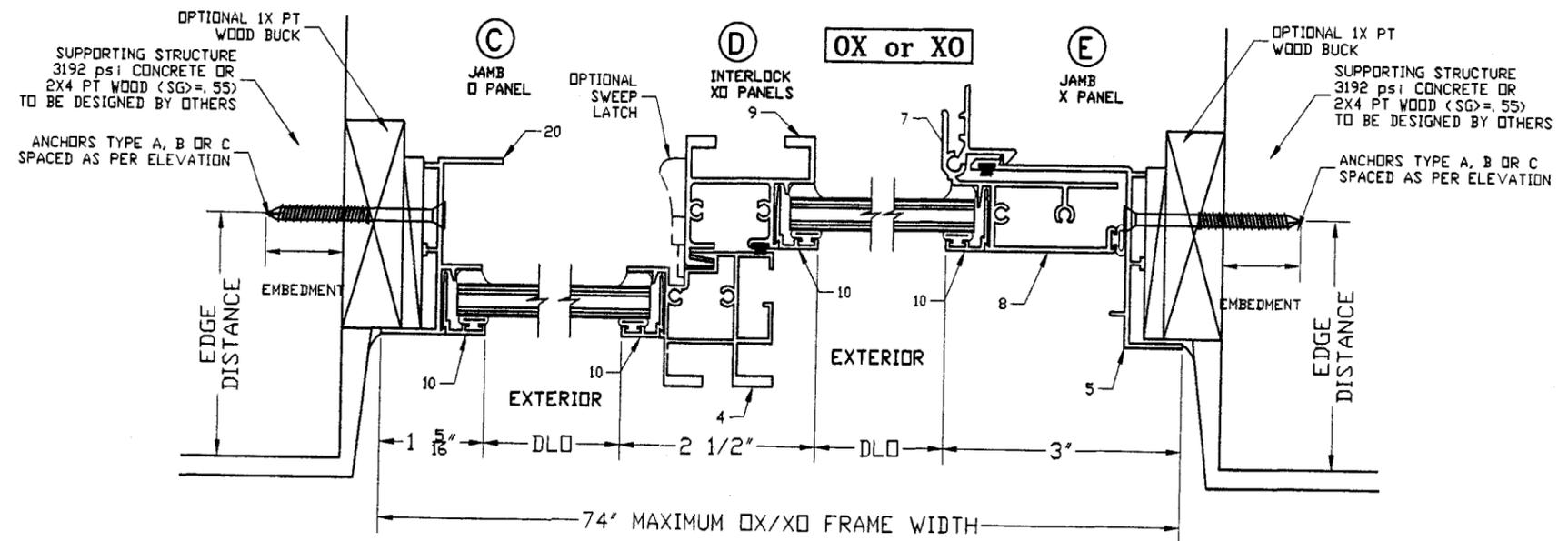
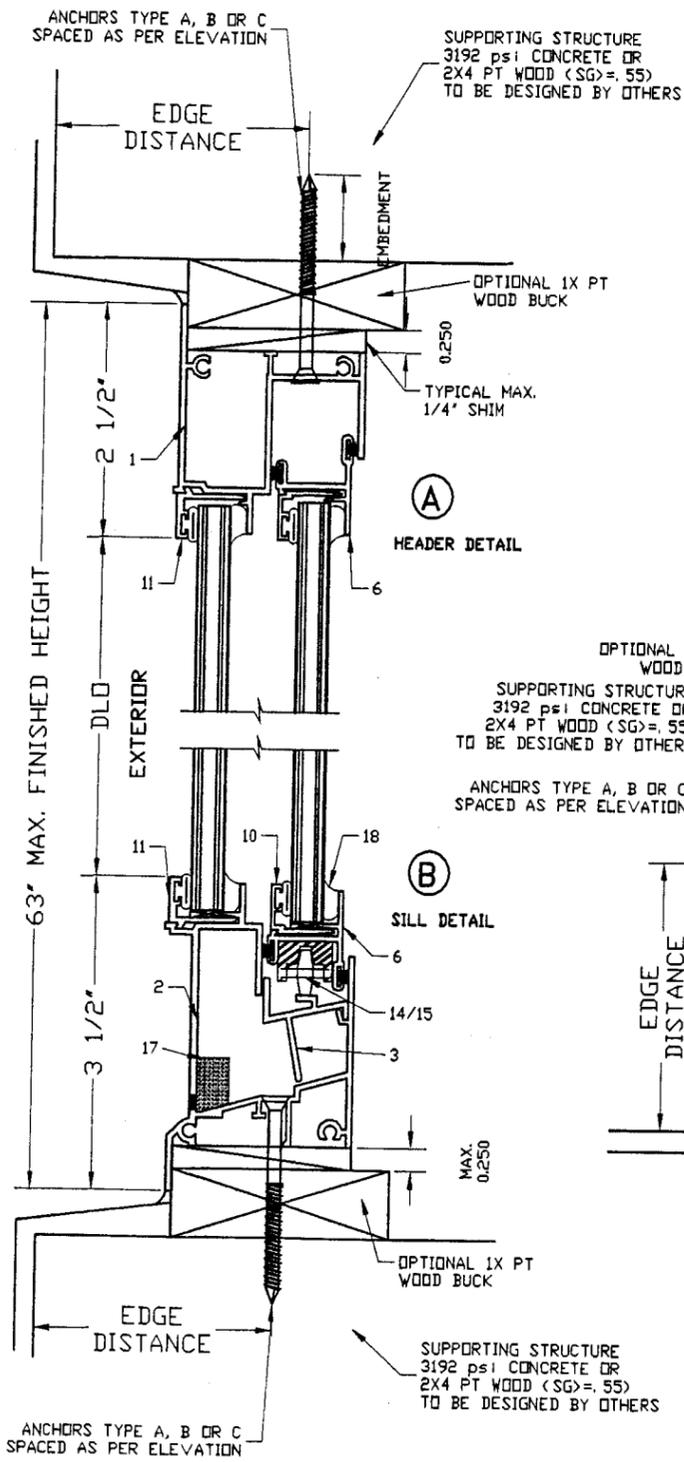
**PRODUCT REVISED**  
 as complying with the Florida  
 Building Code  
 Acceptance No. **06-1705.02**  
 Expiration Date **Nov. 29, 2007**  
 By *Manuel Perez*  
 Miami Dade Product Control  
 Division

Drawing Number  
**07-004**

Sheet  
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# VERTICAL DETAILS

# HORIZONTAL DETAILS



**ANCHOR TYPES:**  
 A- 3/16" TAPCON BY ITW WITH 1 3/4" MIN. EMBED. INTO 3192 psi CONCRETE  
 B- 3/16" TAPCON BY ITW THROUGH 1X PT WOOD W/ 1" EMBED. INTO 3192 psi CONCRETE  
 C- 3/16" TAPCONS WITH 1 1/2" MIN. EMBED. INTO PT WOOD (SG)=.55)

**EDGE DISTANCE:** 1" INTO WOOD  
 2 5/8" INTO CONCRETE

Manufacturer:  
**KD Windows**  
 3705 SHARES PLACE  
 RIVIERA BCH, FL. 33404  
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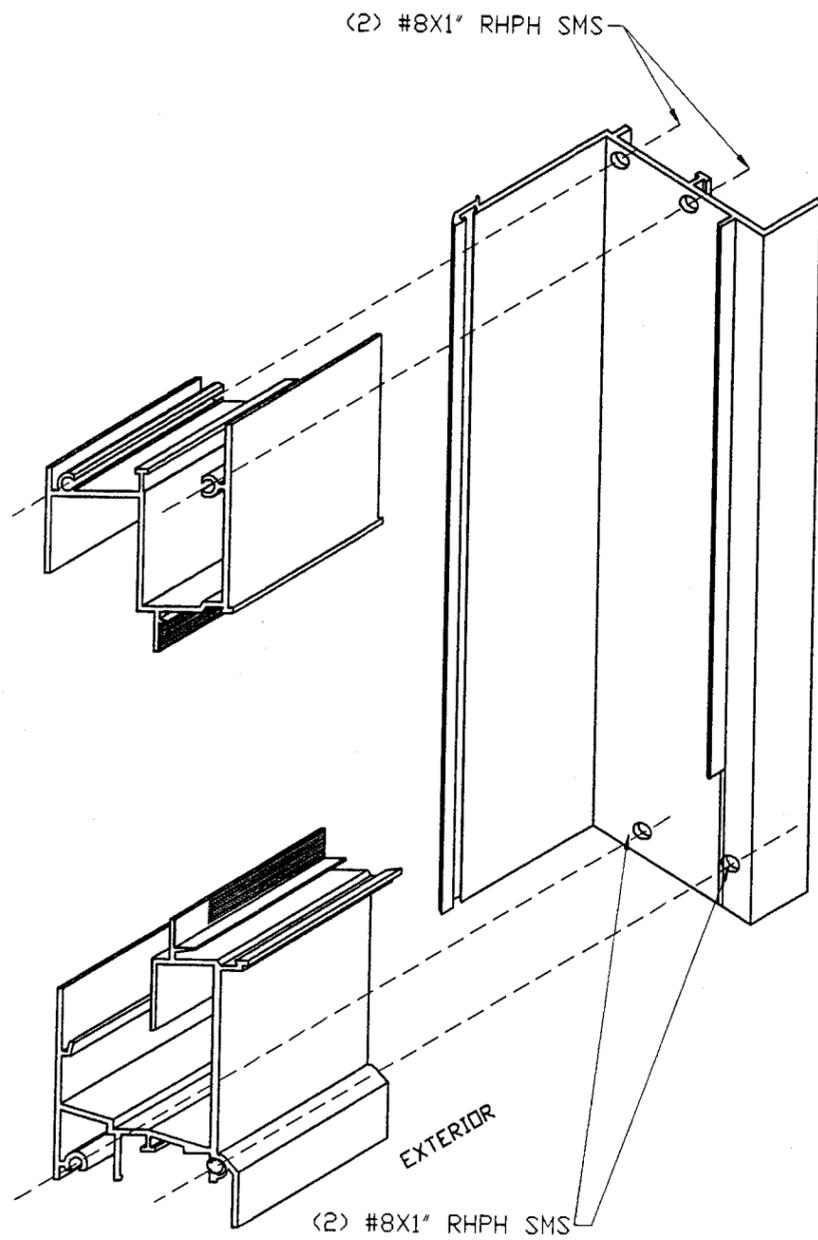
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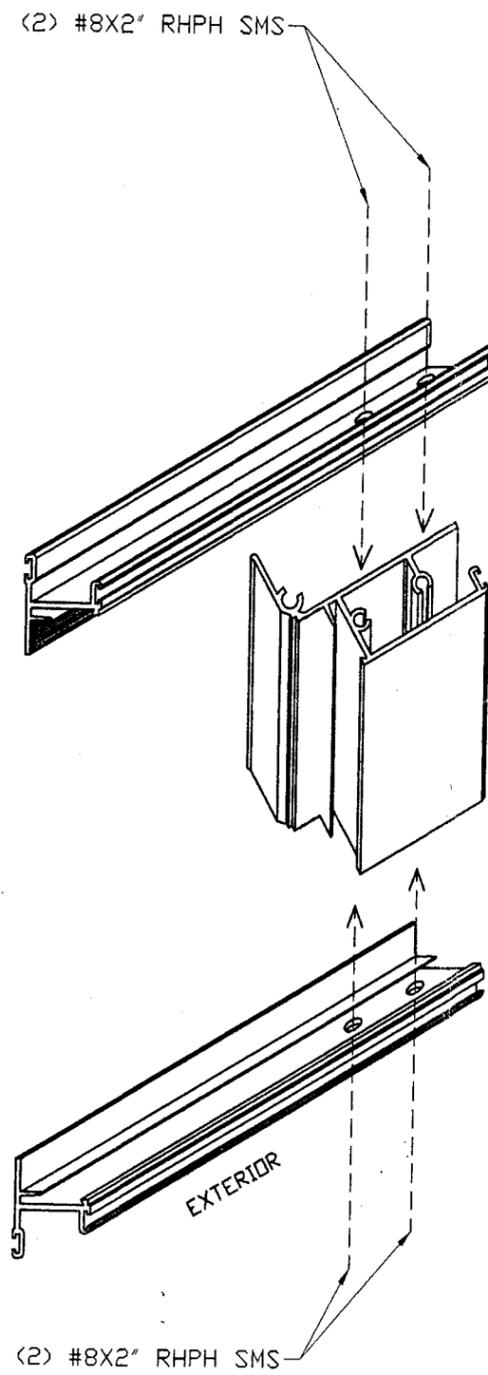
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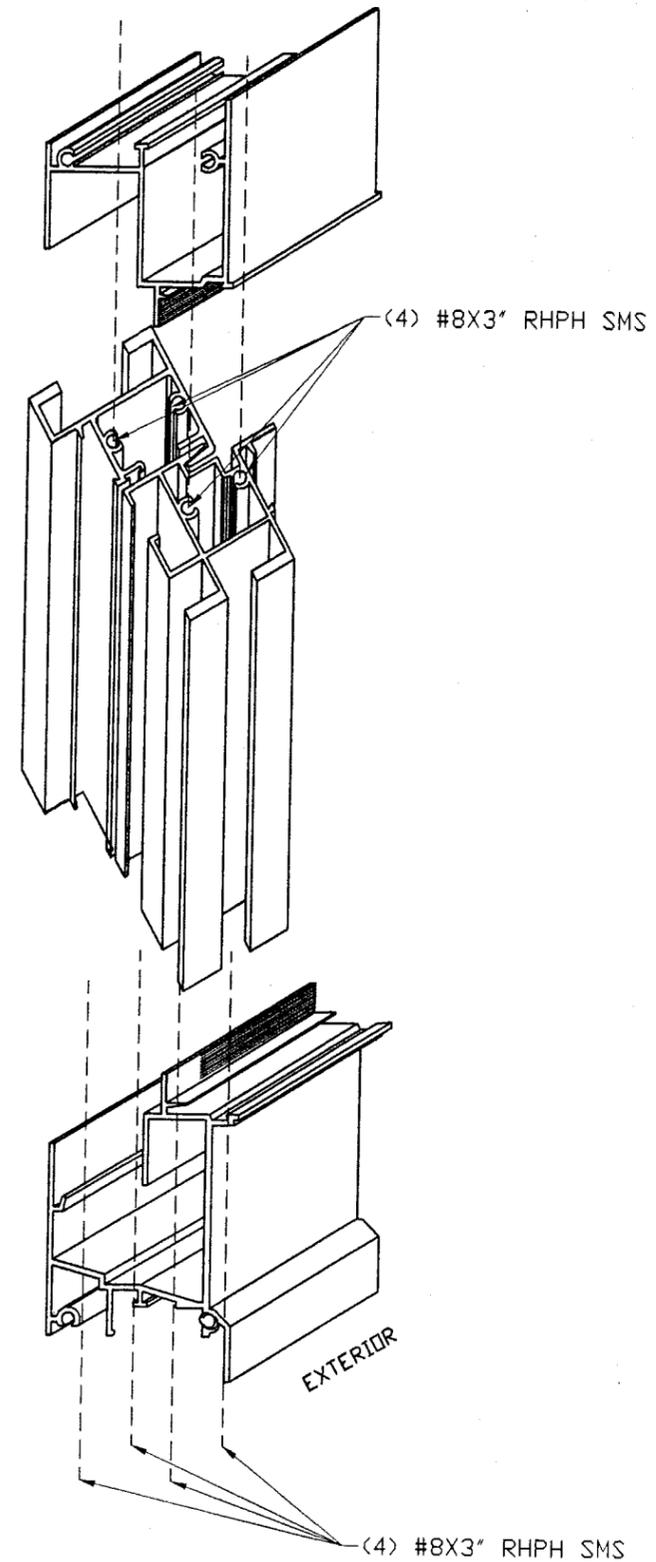
# FRAME ASSEMBLY



# VENT ASSEMBLY



# MEETING RAIL ASSEMBLY



Manufacturer:  
**KD**  
**Windows**  
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*(Signature)*  
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Sheet  
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