



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) 372-6339

NOTICE OF ACCEPTANCE (NOA)

www.miamidade.gov/buildingcode

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 Renewal 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 **renews NOA # 06-1205.02** 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. 08-0227.19
Expiration Date: November 29, 2008
Approval Date: April 03, 2008
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 PA 201-94,
2) Cyclic Wind Pressure Loading per 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 02/13/98, signed and sealed by Timothy S. Marshall, P.E.

(Submitted under NOA# 06-1205.02)

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 08/25/98, signed and sealed by Timothy S. Marshall, P.E.

(Submitted under NOA# 06-1205.02)

C. CALCULATIONS

1. Anchor verification calculations and structural analysis, complying with FBC-2004, prepared by EngCo Inc., dated 01/8/07, 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 III G Clear or colored interlayer" dated 05/04/06, expiring on 05/21/11.


Manuel Perez, P.E.
Product Control Examiner
NOA No. 08-0227.19

Expiration Date: November 29, 2008

Approval Date: April 03, 2008

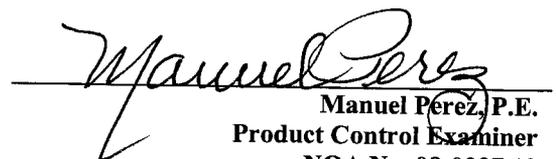
NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

F. STATEMENTS

1. Statement letter of conformance and no financial interest, dated January 09, 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.
4. Letter from laboratory confirming manufacturer has contracted and scheduled verification tests, issued by Hurricane Test Lab., dated February 20, 2008, signed by Mr. Vinu J. Abraham, P.E.

G. OTHERS

1. Notice of Acceptance No. **06-1205.02**, issued to K.D. Windows, Inc. for their Series 455 Aluminum Horizontal Sliding Window – L.M.I., approved on 03/15/07 and expiring on 11/29/07.
2. One year conditional approval, subjected to successful verification test, the final approval will be balanced of total 5 years.


Manuel Perez, P.E.
Product Control Examiner
NOA No. 08-0227.19
Expiration Date: November 29, 2008
Approval Date: April 03, 2008

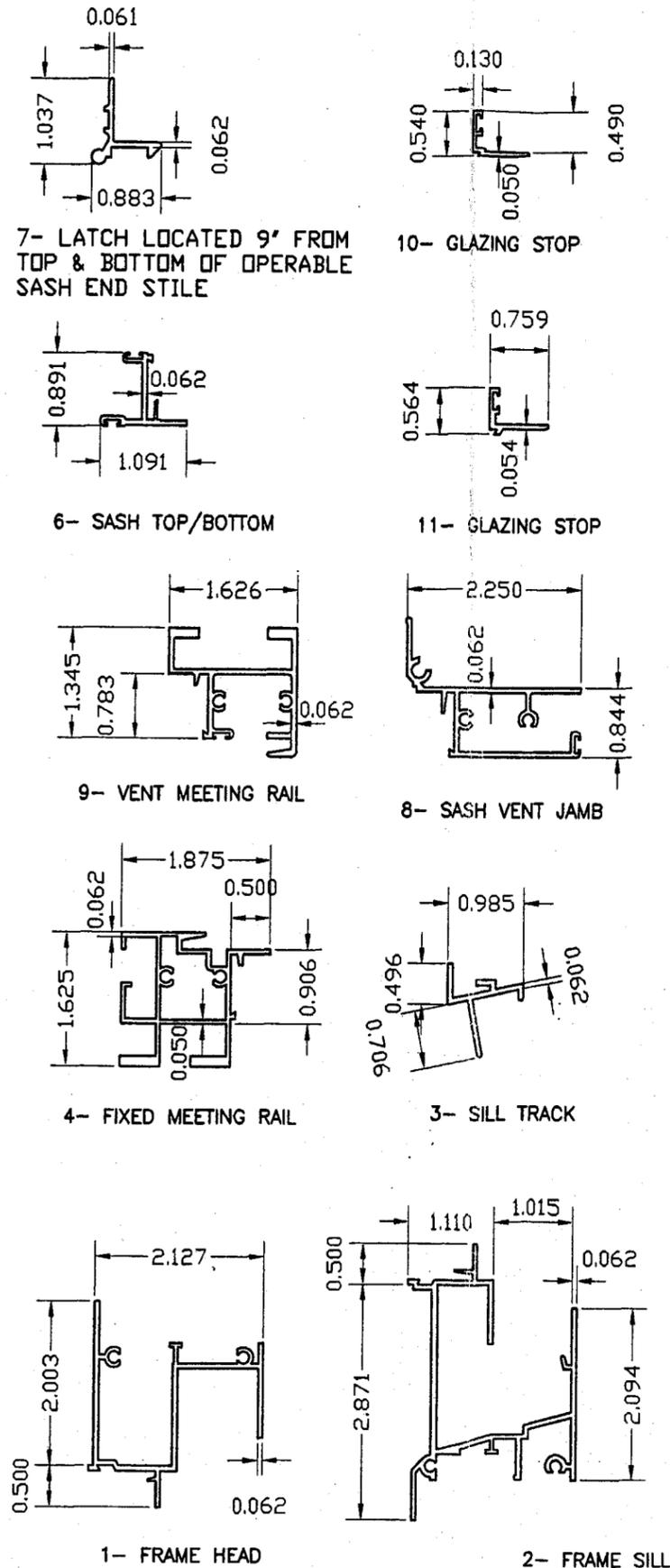
INDEX:

- 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.

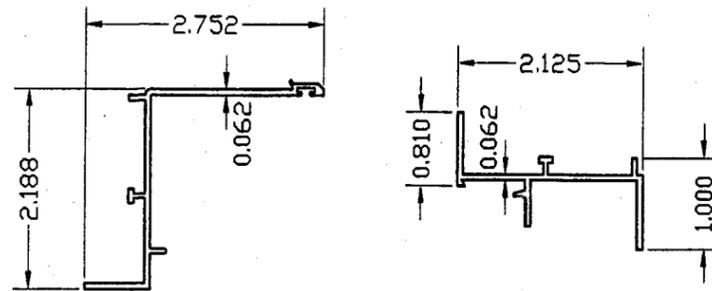
DOOR COMPONENTS



MATERIAL LIST - WINDOWS OX OR XO AND XO XO

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



PRODUCT RENEWED

as complying with the Florida Building Code
 Acceptance No 08-0227.19
 Expiration Date 11/29/2008

By *Manuel Perez*
 Miami Dade Product Control Division

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

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

[Signature]
JAN 09 2007
 Engineer Seal
 Pedro De Figueiredo
 PE 52609

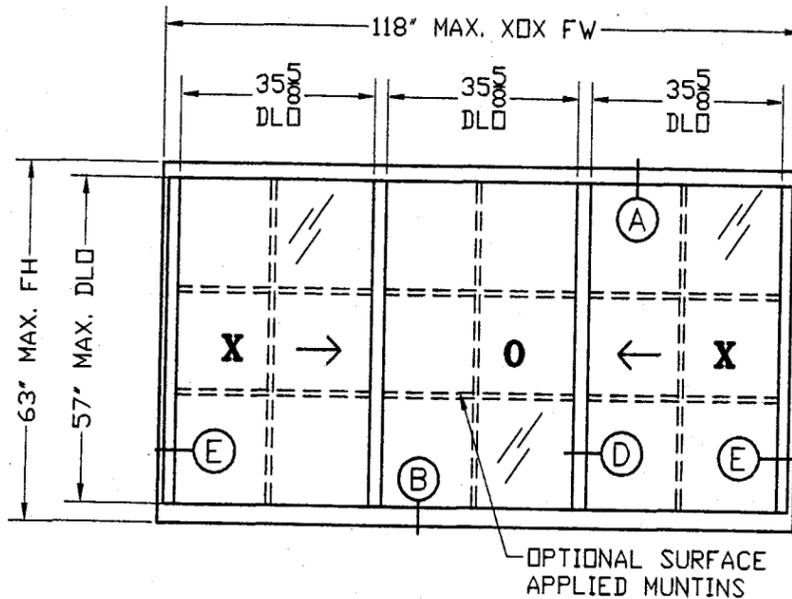
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 Design by: PPMF

PRODUCT CONTROL DIVISION:
 PRODUCT REVISED
 as complying with the Florida Building Code
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 Miami Dade Product Control Division

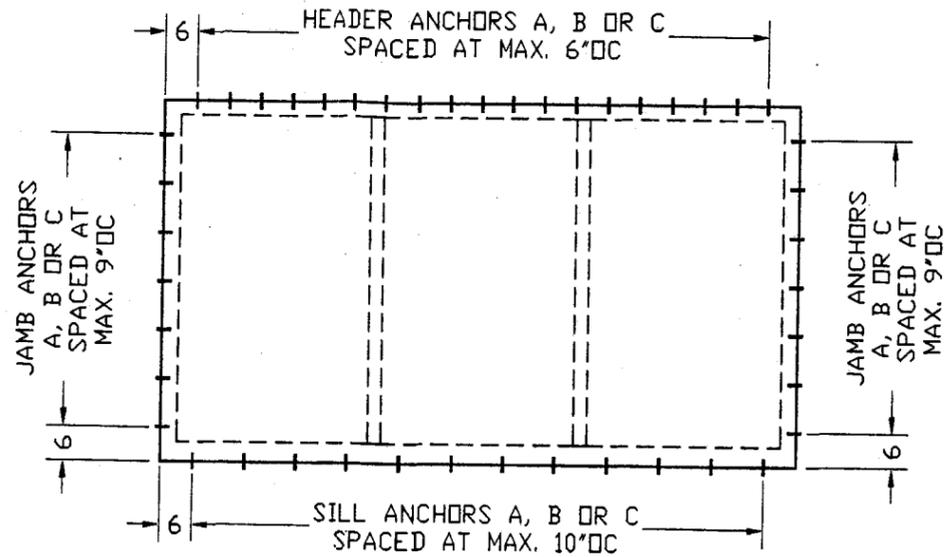
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07-004

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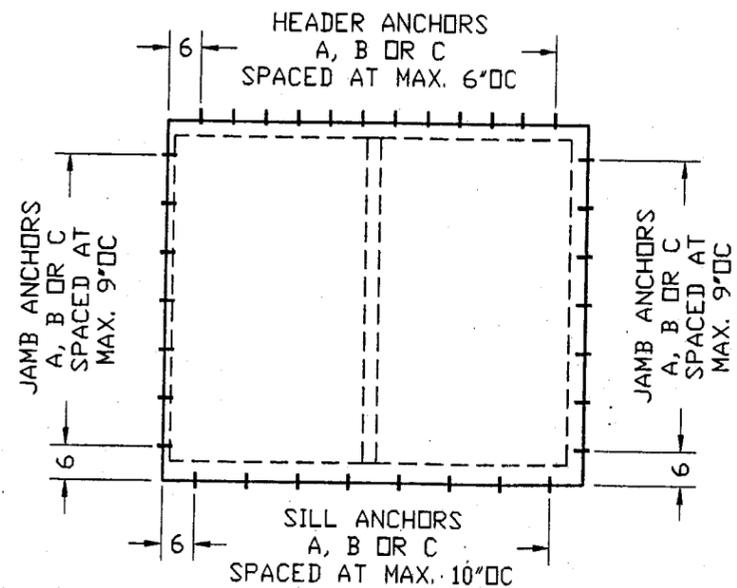
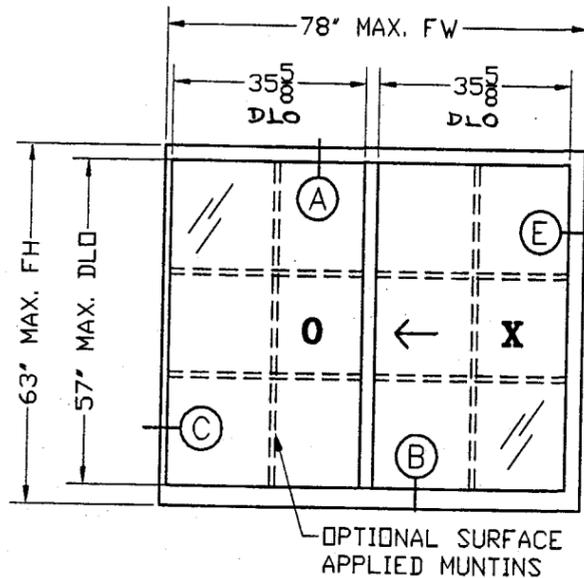
TYPICAL XOX ELEVATION



TYPICAL ANCHOR SPACING LAY-OUT



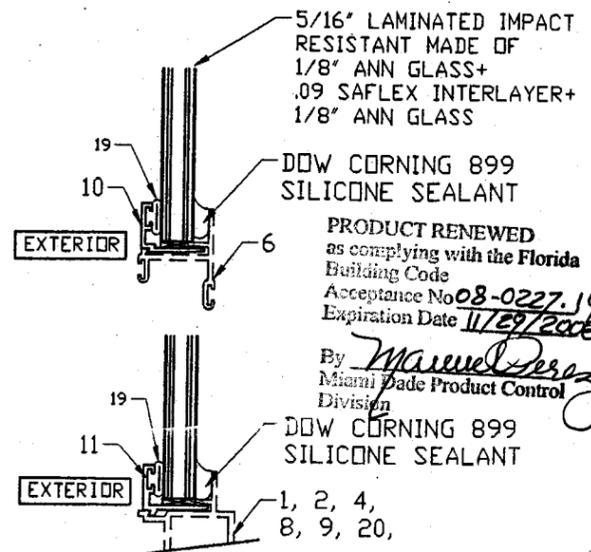
TYPICAL OX or XO ELEVATION



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



5/16" LAMINATED IMPACT RESISTANT MADE OF 1/8" ANN GLASS+ .09 SAFLEX INTERLAYER+ 1/8" ANN GLASS

DOW CORNING 899 SILICONE SEALANT

PRODUCT RENEWED as complying with the Florida Building Code
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 Miami Dade Product Control Division

DOW CORNING 899 SILICONE SEALANT

1, 2, 4, 8, 9, 20,

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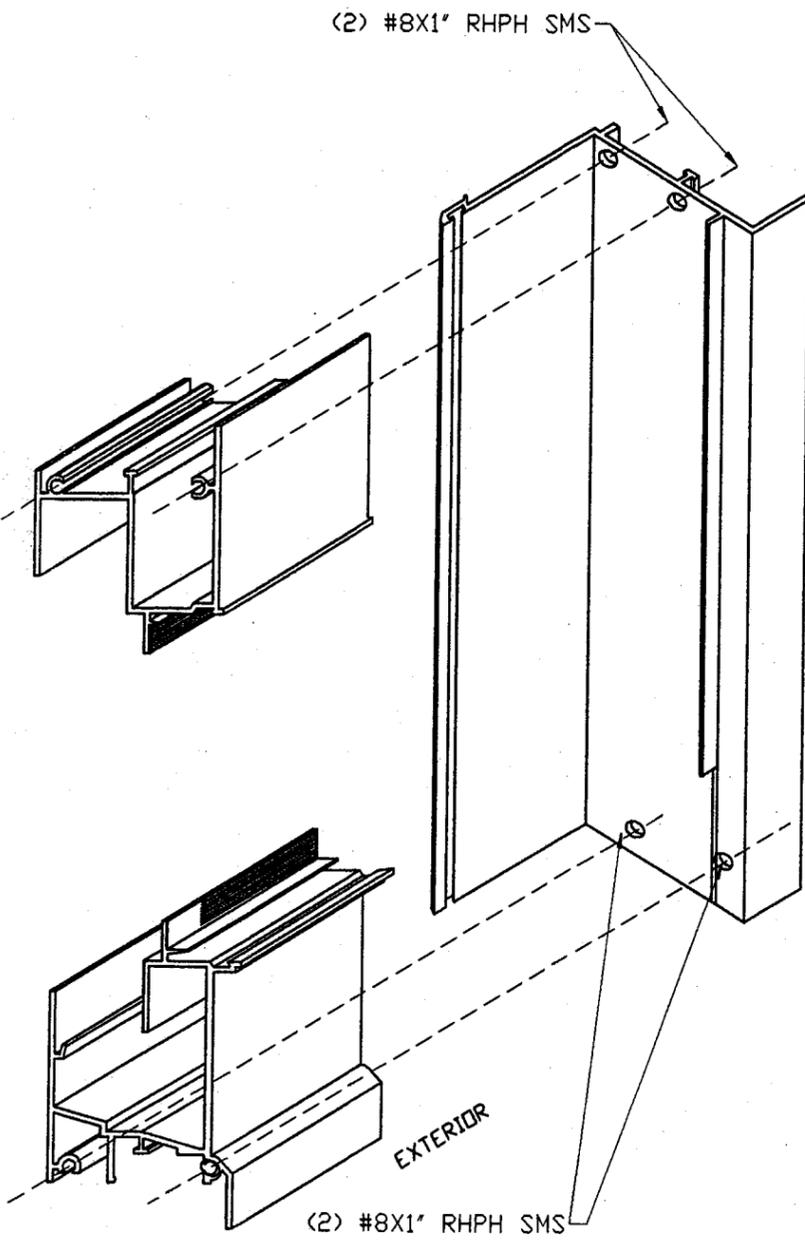
PRODUCT CONTROL DIVISION:

PRODUCT REVISED as complying with the Florida Building Code
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 Miami Dade Product Control Division

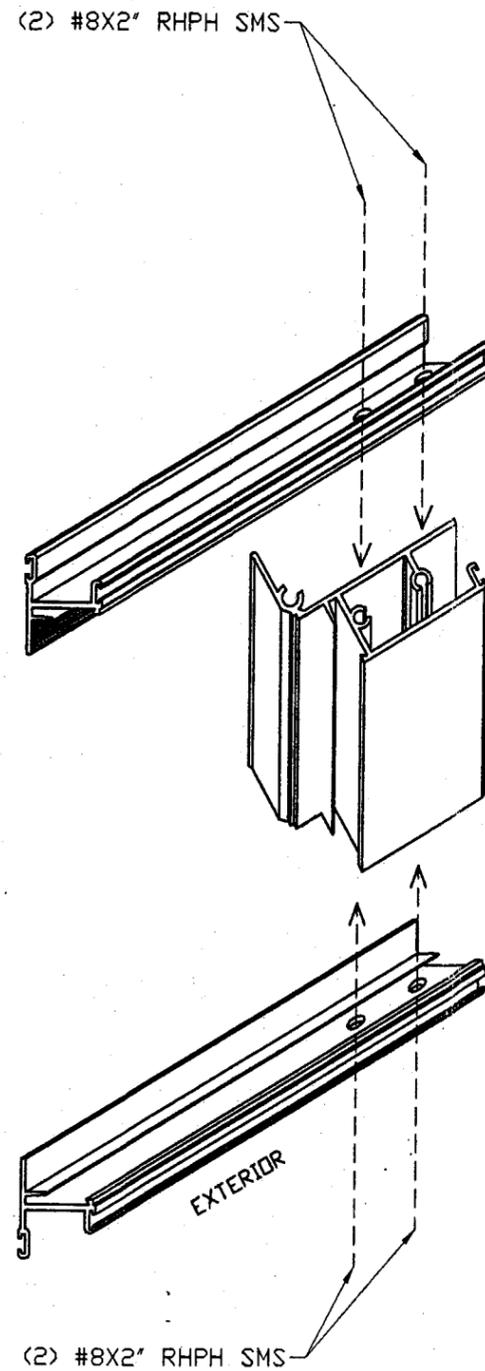
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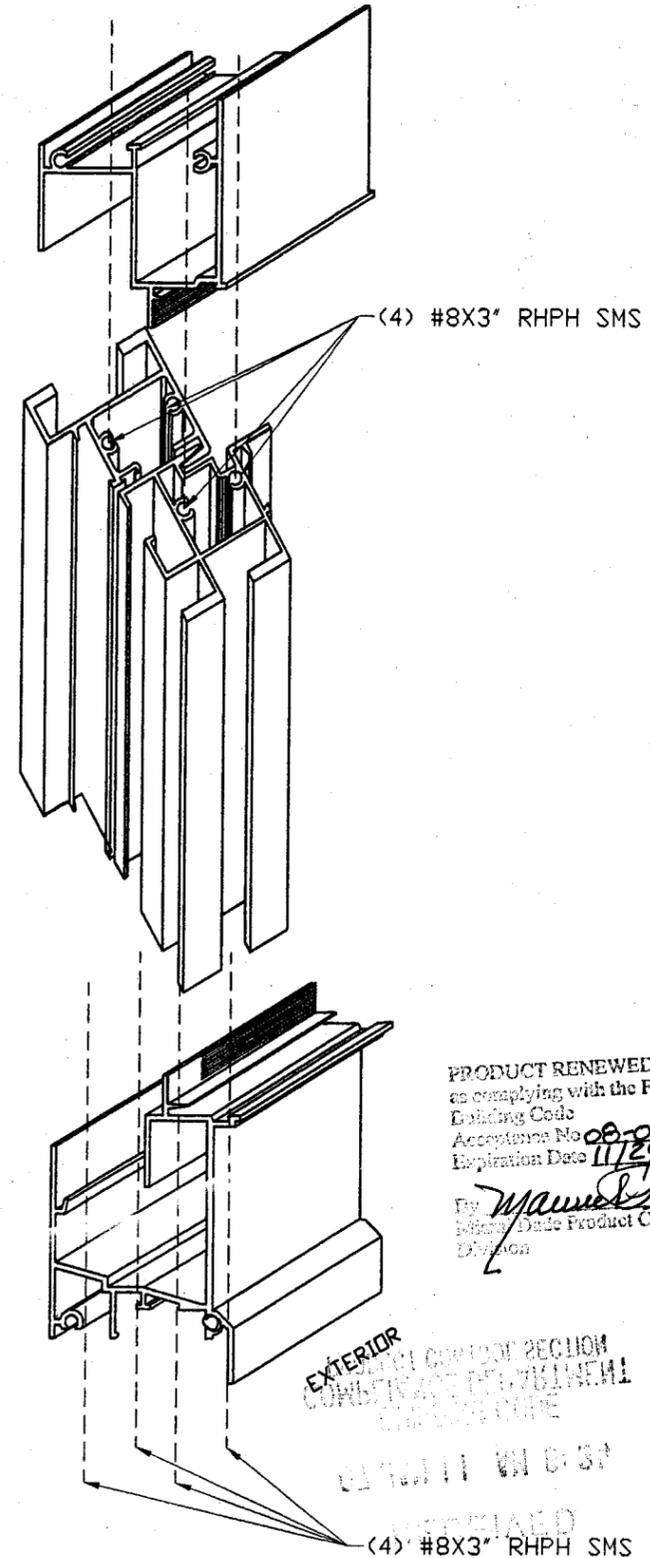
FRAME ASSEMBLY



VENT ASSEMBLY



MEETING RAIL ASSEMBLY



Manufacturer:
**KD
Windows**

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PE 52609

Date: 01/03/07
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Design by: PPMF

PRODUCT CONTROL DIVISION:

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By *Manuel Sosa*
Miami Dade Product Control
Division

Drawing Number
07-004

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