



BUILDING CODE COMPLIANCE OFFICE (BCCO)
PRODUCT CONTROL DIVISION

NOTICE OF ACCEPTANCE (NOA)

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

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: Aluminum Single Hung Window - N.I.

APPROVAL DOCUMENT: Drawing No. **W03-05**, titled "Aluminum Single Hung Window (N.I.)", sheets 1 through 4 of 4, dated 01/30/03 with revision A dated 02/12/08, prepared by Al-Farooq Corporation, signed and sealed by Humayoun Farooq, 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: None

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 # 03-0213.14 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. 08-0227.17
Expiration Date: January 09, 2009
Approval Date: April 03, 2008
Page 1

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

A. DRAWINGS

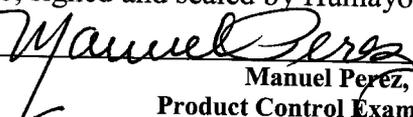
1. Manufacturer's die drawings and sections.
2. Drawing No **W03-05**, titled "Aluminum Single Hung Window (N.I.)", sheets 1 through 4 of 4, dated 01/30/03 with revision A dated 02/12/08, prepared by Al-Farooq Corporation, signed and sealed by Humayoun Farooq, P.E.

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
along with installation diagram of a 53¹/₈" wide x 63" high aluminum single hung window, prepared by Hurricane Engineering & Testing Inc. Test Report No. **HETI-97-1125**, dated December 10, 1997, signed and sealed by Hector M. Medina, P.E. **(Submitted under NOA#03-0213.14)**
2. 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 installation diagram of a 37" wide x 63" high and 53-1/8" wide x 63" high aluminum single hung window, prepared by Hurricane Engineering & Testing Inc. Test Report No. **HETI-95-1050**, dated May 01, 1996, signed and sealed by Hector M. Medina, P.E. **(Submitted under NOA#01-0711.03)**
3. 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 installation diagram of a 53-1/8" wide x 63" high aluminum single hung window, prepared by Hurricane Engineering & Testing Inc. Test Report No. **HETI-96-1077** dated November 08, 1996, signed and sealed by Hector M. Medina, P.E. **(Submitted under NOA#01-0711.03)**
4. 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 installation diagram of a 53-1/8" wide x 63" high aluminum single hung window, prepared by American Test Lab of South Florida Test Report No. **ATL-0721.01-95** dated July 21, 1995, signed and sealed by Jose D. Mitrani, P.E. **(Submitted under NOA#01-0711.03)**

C. CALCULATIONS

1. Anchor verification calculations and structural analysis, complying with FBC-2004, prepared by Al-Farooq Corporation, dated 02/04/08, signed and sealed by Humayoun Farooq, P.E. **Complies with ASTM E1300-02**


Manuel Perez, P.E.
Product Control Examiner
NOA No. 08-0227.17
Expiration Date: January 09, 2009
Approval Date: April 03, 2008

K.D. Windows, Inc.

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D. QUALITY ASSURANCE

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

E. MATERIAL CERTIFICATIONS

1. None

F. STATEMENTS

1. Statement letter of compliance, dated February 13, 2008, signed and sealed by Humayoun Farooq, P.E.
2. Letter stating that he is still in business as a professional engineer, dated February 13, 2008, signed and sealed by Humayoun Farooq, P.E.
3. Testing agreement letter, dated February 20, 2008 between Hurricane Test Laboratory, Inc. (HTL) and K.D Windows, Inc., issued by HTL, signed by Vinu J. Abraham, P.E.

G. OTHERS

1. Notice of Acceptance No. **03-0213.14**, issued to K.D Windows, Inc. for their Series "Aluminum Single Hung Window – Non-Impact", approved on 03/13/03 and expiring on 01/09/08.
2. One year conditional approval, subjected to successful verification test, the final approval will be for the balance of a total of 5 years.



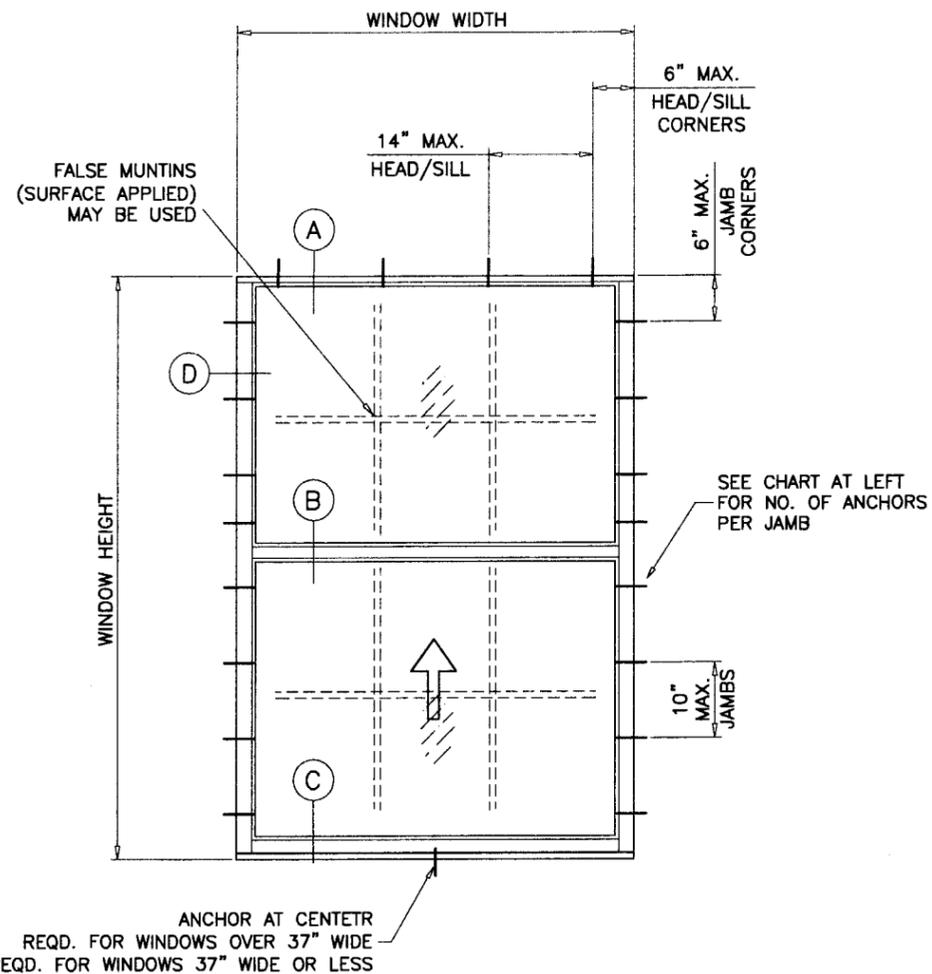
Manuel Perez, P.E.
Product Control Examiner
NOA No. 08-0227.17

Expiration Date: January 09, 2009

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DESIGN LOAD CAPACITY - PSF								
WINDOW DIMS.		A	DSB ANN. GLASS		3/16" ANN. GLASS		3/16" TEMP. GLASS	
WIDTH	HEIGHT		EXT.(+)	INT.(-)	EXT.(+)	INT.(-)	EXT.(+)	INT.(-)
19-1/8"	26"	3	61.3	78.4	61.3	125.0	61.3	175.5
26-1/2"		3	61.3	78.4	61.3	125.0	61.3	126.7
37"		3	61.3	78.4	61.3	90.7	61.3	90.7
53-1/8"		4	61.3	78.4	61.3	84.2	61.3	84.2
19-1/8"	38-3/8"	4	61.3	78.4	61.3	125.0	61.3	158.5
26-1/2"		4	61.3	78.4	61.3	114.4	61.3	114.4
37"		4	61.3	78.0	61.3	81.9	61.3	81.9
53-1/8"		6	55.6	55.6	61.3	85.6	61.3	85.6
19-1/8"	50-5/8"	5	61.3	78.4	61.3	125.0	61.3	150.2
26-1/2"		5	61.3	78.4	61.3	108.4	61.3	108.4
37"		5	61.3	68.2	61.3	77.6	61.3	77.6
53-1/8"		8	40.1	40.1	61.3	78.3	61.3	86.5
19-1/8"	58"	6	61.3	78.4	61.3	125.0	61.3	157.3
26-1/2"		6	61.3	78.4	61.3	113.6	61.3	113.6
37"		6	61.3	63.4	61.3	81.3	61.3	81.3
53-1/8"		9	39.2	39.2	61.3	68.4	61.3	79.1
19-1/8"	63"	7	61.3	78.4	61.3	125.0	61.3	169.0
26-1/2"		7	61.3	78.4	61.3	122.0	61.3	122.0
37"		7	59.3	59.3	61.3	87.4	61.3	87.4
53-1/8"		10	38.9	38.9	60.0	64.9	60.0	75.3
19-1/8"	74-1/4"	8	61.3	78.4	61.3	125.0	61.3	163.9
26-1/2"		8	61.3	64.4	61.3	118.3	61.3	118.3
37"		8	51.3	51.3	61.3	84.7	61.3	84.7

A = NO. OF ANCHORS PER JAMB



TYPICAL ELEVATION

ALUMINUM SINGLE HUNG WINDOW

DESIGN LOAD RATINGS FOR THESE WINDOWS TO BE AS PER CHARTS SHOWN ABOVE.

APPROVAL APPLIES TO SINGLE UNITS OR SIDE BY SIDE COMBINATIONS OF S.H./S.H. OR SINGLE HUNG WITH OTHER WINDOW TYPES IN MODULES OF TWO OR MORE WINDOWS USING MIAMI-DADE COUNTY APPROVED MULLIONS IN BETWEEN. LOWER DESIGN PRESSURE FROM WINDOWS OR MULLION APPROVAL WILL APPLY TO ENTIRE SYSTEM.

THIS PRODUCT HAS BEEN DESIGNED AND TESTED TO COMPLY WITH THE REQUIREMENTS OF THE FLORIDA BUILDING CODE 2004 EDITION INCLUDING HIGH VELOCITY HURRICANE ZONE (HVHZ).

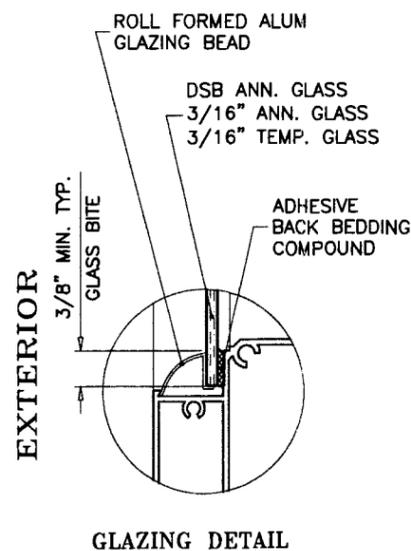
WOOD BUCKS BY OTHERS, MUST BE ANCHORED PROPERLY TO TRANSFER LOADS TO THE STRUCTURE.

ANCHORS SHALL BE AS LISTED, SPACED AS SHOWN ON DETAILS, ANCHORS EMBEDMENT TO BASE MATERIAL SHALL BE BEYOND WALL DRESSING OR STUCCO.

ANCHORING OR LOADING CONDITIONS NOT SHOWN IN THESE DETAILS ARE NOT PART OF THIS APPROVAL.

A LOAD DURATION INCREASE IN ALLOWABLE STRESS IS USED IN DESIGN OF ANCHORS INTO WOOD ONLY.

MATERIALS INCLUDING BUT NOT LIMITED TO STEEL/METAL SCREWS, THAT COME INTO CONTACT WITH OTHER DISSIMILAR MATERIALS SHALL MEET THE REQUIREMENTS OF 2004 FLORIDA BLDG. CODE SECTION 2003.8.4.



GLAZING DETAIL

NOTE:
GLASS CAPACITIES ON THIS SHEET ARE BASED ON ASTM E1300-02 (3 SEC. GUSTS) AND FLORIDA BUILDING COMMISSION DECLARATORY STATEMENT DCA05-DEC-219

WINDOWS NOT RATED FOR IMPACT.

INSTALLATION OF THIS PRODUCT IN THE HVHZ AREA REQUIRES THE USE OF APPROVED SHUTTERS OR EXTERNAL PROTECTION DEVICES COMPLYING WITH HVHZ REQUIREMENTS.
INSTALLATION OF THIS SYSTEM OUTSIDE THE HVHZ AREA SHALL MEET THE APPLICABLE REQUIREMENTS FOR WIND BORNE DEBRIS PROTECTION.

Engr: DR. HUMAYOUN FAROOQ
STRUCTURES
FLA. PE # 16557
C.A.N. 3338

FEB 19 2008

PRODUCT REVISED
as complying with the Florida
Building Code
Acceptance No 08-0227-17
Expiration Date 01/09/2009
By *Manuel Pera*
Miami Dade Product Control
Division

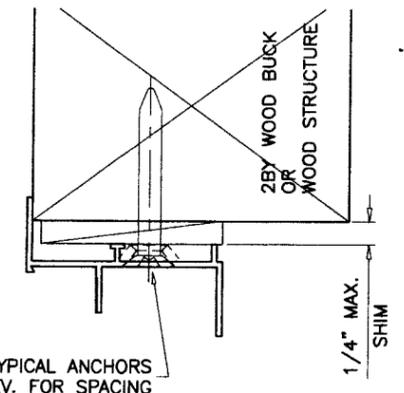
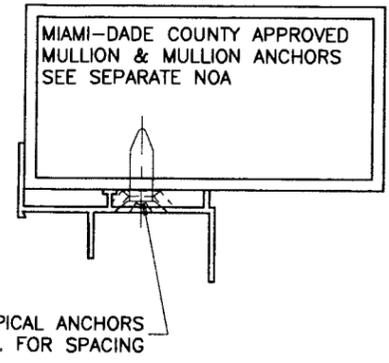
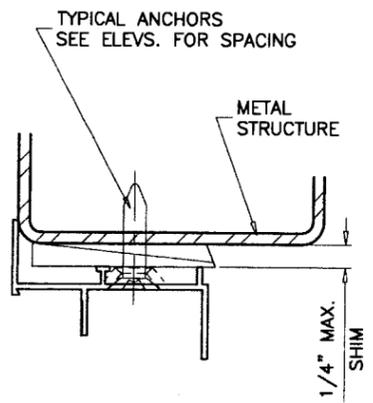
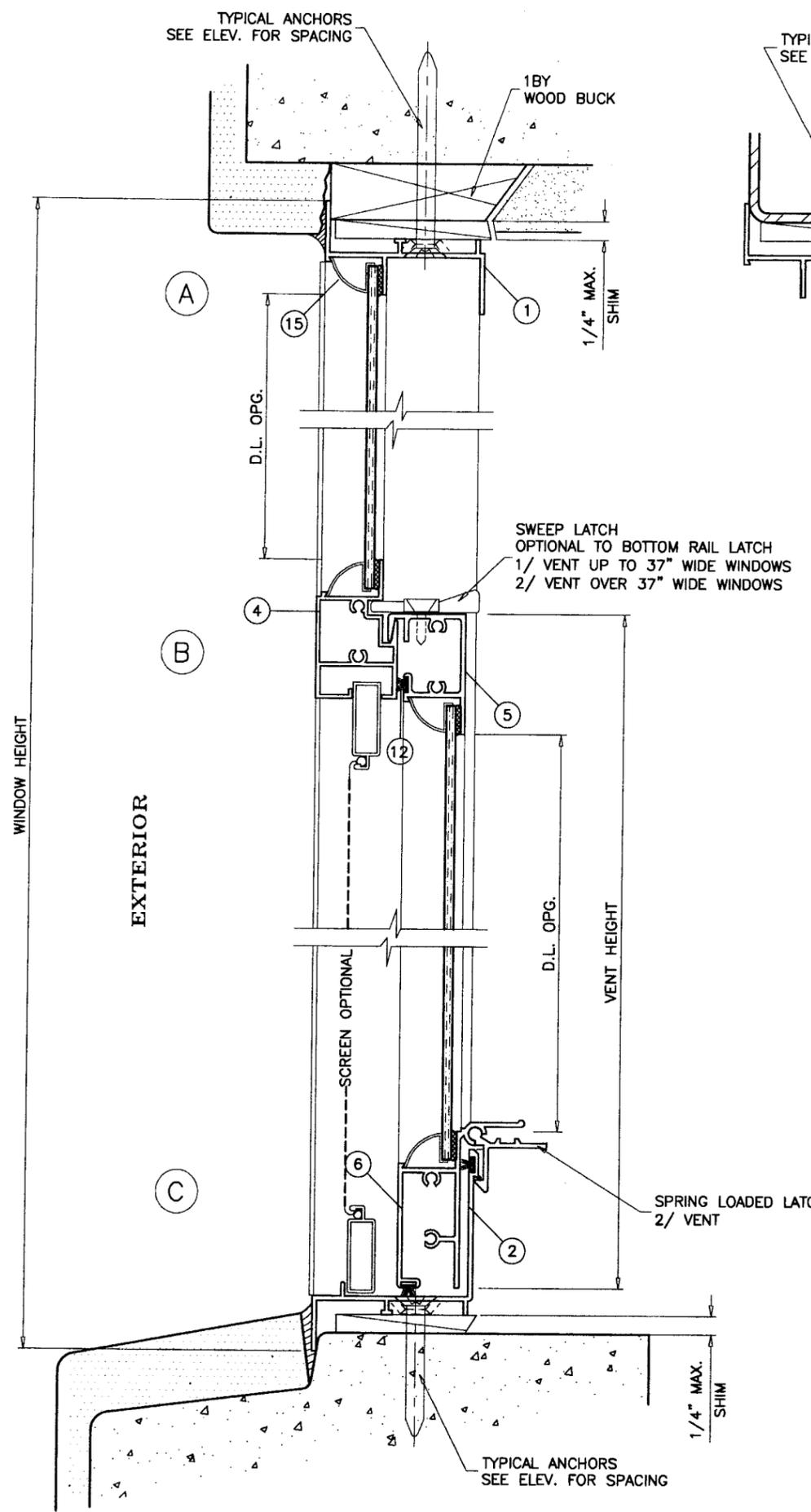
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AL-FAROOQ CORPORATION
ENGINEERS & PRODUCT DEVELOPMENT
1235 S.W. 87 AVE
MIAMI, FLORIDA 33174
TEL. (305) 264-8100 FAX. (305) 262-6978
COMP-ANL\W03-05AW

ALUMINUM SINGLE HUNG WINDOW (N.I.)
KD Windows
KD WINDOWS
3705 SHARES PLACE
RIVIERA BEACH, FL. 33404
TEL.(561) 845-1401 FAX(561) 845-1498

revisions:	no	date	by	description
	A	02.12.08		UPDATED FOR 2004 FBC

date: 01-30-03
scale: 1/2" = 1"
dr: by: HAMID
chk: by:

drawing no.
W03-05
sheet 1 of 4



TYPICAL ANCHORS: SEE ELEV. FOR SPACING

1/4" TAPCONS BY 'ELCO'
 INTO 2BY WOOD BUCKS OR WOOD STRUCTURES
 1-1/2" MIN. PENETRATION INTO WOOD
 THRU 1BY BUCKS INTO CONC. OR MASONRY
 1-1/4" MIN. EMBED INTO CONC. OR MASONRY
 DIRECTLY INTO CONC. OR MASONRY
 1-1/4" MIN. EMBED INTO CONC. OR MASONRY

#14 SMS OR SELF DRILLING SCREWS
 INTO METAL STRUCTURES
 STEEL : 12 GA. MIN. (Fy = 36 KSI MIN.)
 ALUMINUM : 1/8" THK. MIN. (6063-T5 MIN.)
 (STEEL IN CONTACT WITH ALUMINUM TO BE PLATED OR PAINTED)

#12 SMS OR SELF DRILLING SCREWS
 INTO DADE COUNTY APPROVED MULLIONS (MIN. THK. = .090")
 (NO SHIM SPACE)

TYPICAL EDGE DISTANCE
 INTO CONCRETE AND MASONRY = 2" MIN.
 INTO WOOD STRUCTURE = 1" MIN.
 INTO METAL STRUCTURE = 1/2" MIN.

CONCRETE f'c = 3000 PSI MIN.
 MASONRY f'm = 1500 PSI MIN.

SEALANTS:
 ALL JOINTS AND FRAME CONNECTIONS SEALED WITH SILICONE OR ACRYLIC SEALANT.

WOOD BUCKS AND METAL STRUCTURE NOT BY KD WINDOWS
 MUST SUSTAIN LOADS IMPOSED BY GLAZING SYSTEM
 AND TRANSFER THEM TO THE BUILDING STRUCTURE.

Engr: DR. HUMAYOUN FAROOQ
 STRUCTURES
 FLA. PE # 16557
 C.A.N. 3538

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By *Mamun Sere*
 Miami Dade Product Control
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af c
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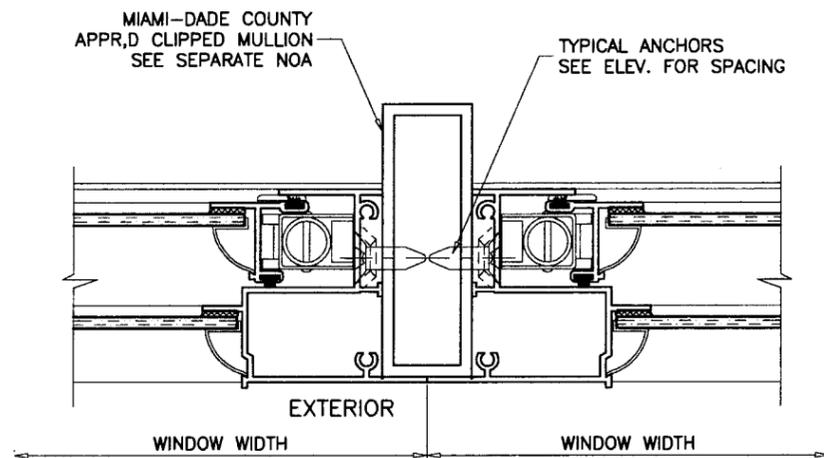
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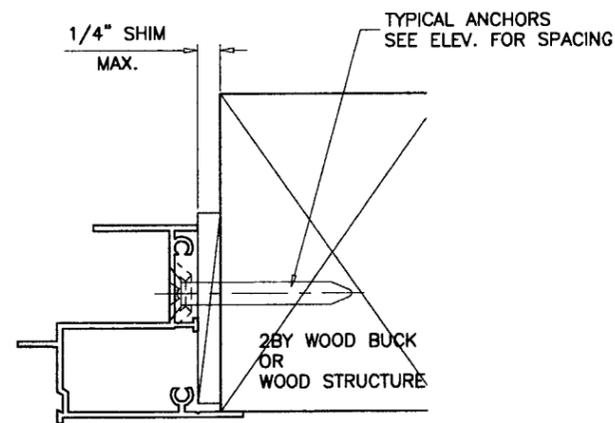
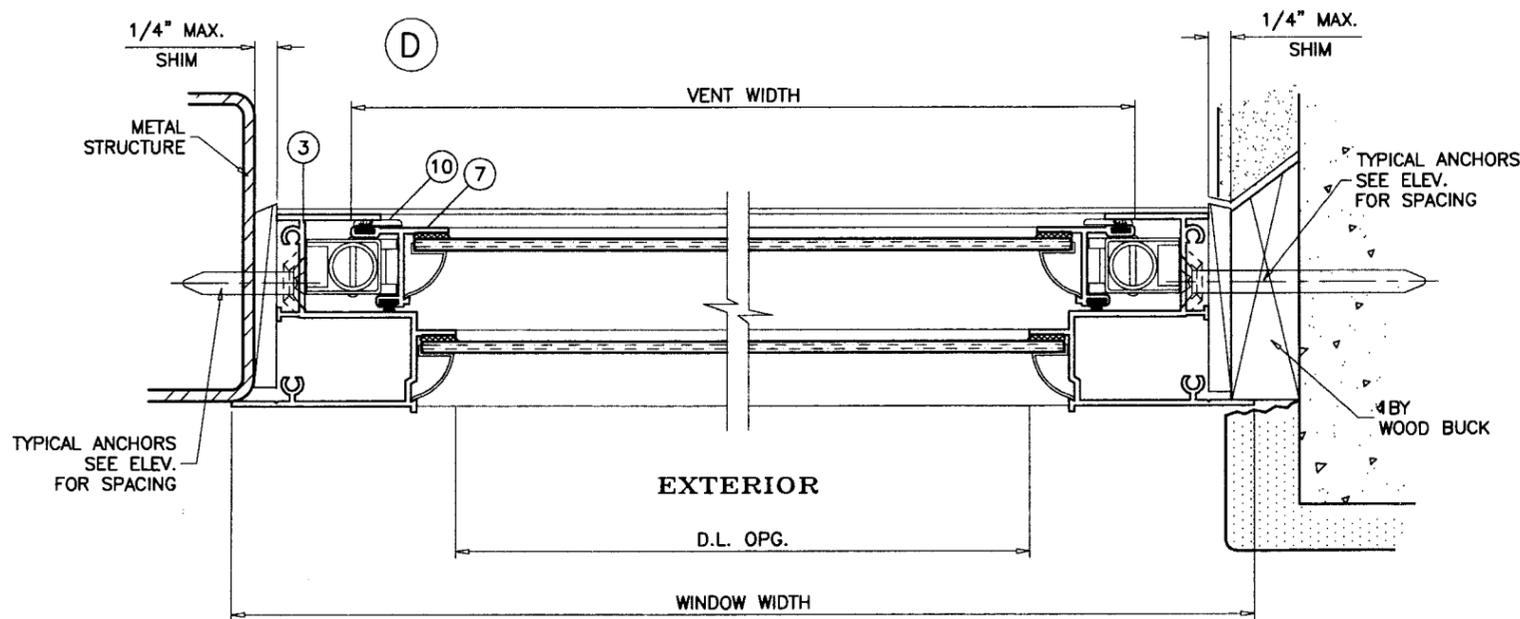
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 dr. by: HAMID
 chk. by:

drawing no.
W03-05

sheet 2 of 4



OUTSIDE GLAZED WINDOW				
ITEM #	PART #	REQD.	DESCRIPTION	REMARKS
1	-	1	FRAME HEAD	6063-T5
2	-	1	FRAME SILL	6063-T5
3	-	2	FRAME JAMB	6063-T5
4	-	1	MEETING RAIL	6063-T6
5	-	1	SASH TOP RAIL	6063-T6
6	-	1	SASH BOTTOM RAIL	6063-T5
7	-	2	SASH SIDE RAIL	6063-T5
8	-	-	-	-
9	-	14	ASSEMBLY SCREWS	# 8 X 1" P.H. PHILIPS CRS
10	-	4	FACE GUIDES	2/ SASH SIDE RAIL
11	-	AS REQD.	SASH LATCH	MOLDED PLASTIC + SPRING
12	-	AS REQD.	FIN SEAL PILE	-
13	-	-	-	-
14	-	-	-	-
15	-	AS REQD.	ALUM GLAZING BEAD	ROLL FORMED ALUM.
16	-	2	BLOCK & TACKLE BALANCE	5/8" BOX
17	-	-	-	-



Engr: DR. HUMAYOUN FAROOQ
STRUCTURES
FLA. PE # 16557
C.A.N. 3538

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By *Mamuel Perez*
Miami Dade Product Control
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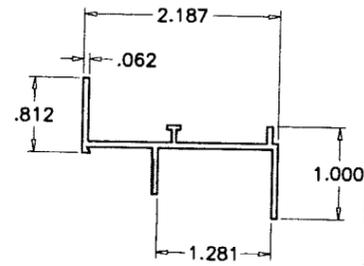
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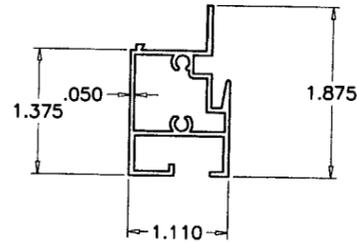
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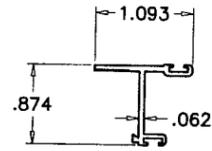
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sheet 3 of 4



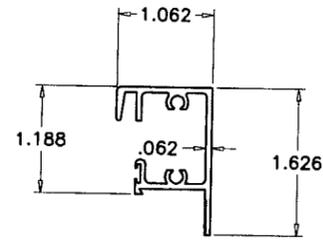
FRAME HEAD
6063-T6



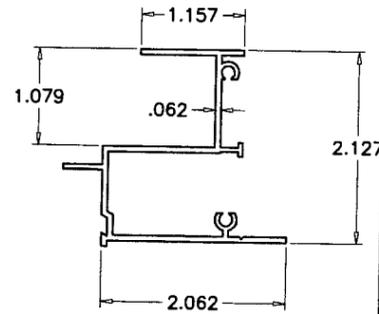
FIXED RAIL
6063-T6



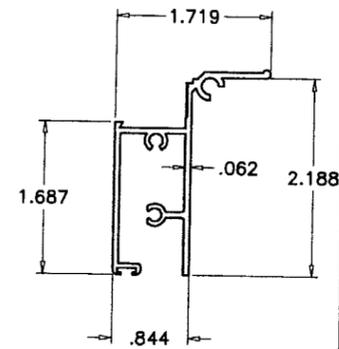
VENT JAMB
6063-T5



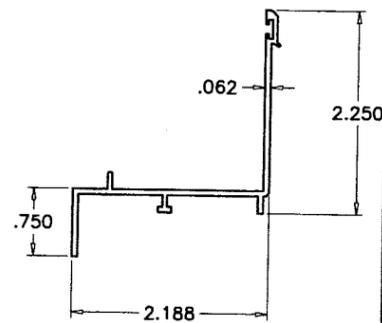
VENT TOP RAIL
6063-T6



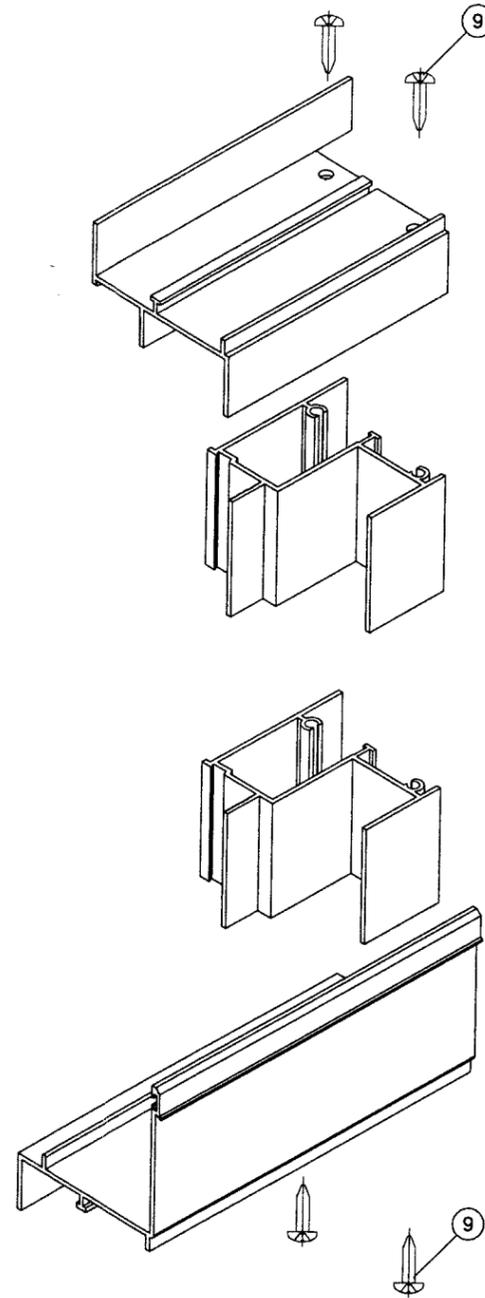
FRAME JAMB
6063-T5



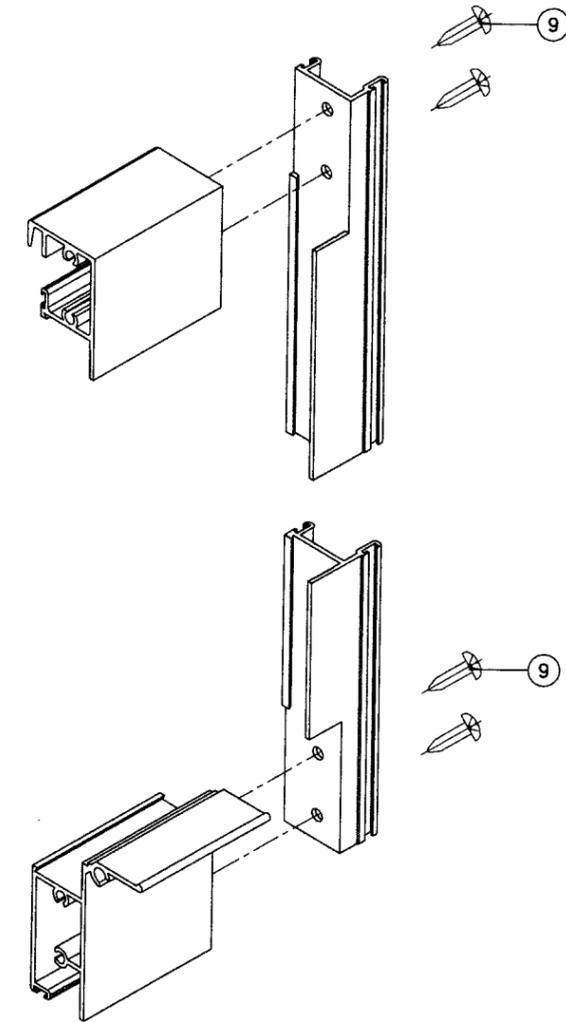
VENT BOTTOM RAIL
6063-T5



FRAME SILL
6063-T5



FRAME CORNER ASSEMBLY



VENT CORNER ASSEMBLY

Engr: DR. HUMAYOON FAROOQ
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[Signature]
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By *[Signature]*
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no	date	by	description
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sheet 4 of 4