



**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)**

**Yale Ogron Manufacturing Co., Inc.  
671 West 18 Street  
Hialeah, FL 33010**

**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 1600 Impact View Aluminum Horizontal Sliding Window**

**APPROVAL DOCUMENT:** Drawing No. **W03-104**, titled "Series -1600 Impact View Alum. Horiz. Sliding WDW.", sheets 1 through 5 of 5, prepared by Al Farooq Corp., dated 11/18/03 with revision "A" dated 01/23/04, signed and sealed by Humayoun Farooq, P.E., bearing the Miami-Dade County Product Control Approval 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 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 **Theodore Berman, P.E.**

*MB*  
2/12/2004

**NOA No 03-1203.02  
Expiration Date: March 04, 2009  
Approval Date: March 04, 2004  
Page 1**

Yale Ogron Manufacturing Co., Inc.

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

**A. DRAWINGS**

1. Manufacturer's die drawings and sections.
2. Drawing No. **W03-104**, titled "Series -1600 Impact View Alum. Horiz. Sliding WDW." sheets 1 through 5 of 5, prepared by Al Farooq Corp., dated 11/18/03 with revision "A" dated 01/23/04, 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
  - 4) Large Missile Impact Test per FBC, TAS 201-94
  - 5) Cyclic Wind Pressure Loading per FBC, TAS 203-94
  - 6) Forced Entry Test, per FBC 2411 3.2.1 and TAS 202-94along with marked-up drawings and installation diagram of an aluminum horizontal sliding window, prepared by Fenestration Testing Laboratory, Inc., Test Report No. **FTL-3763**, dated 05/03/03, signed and sealed by Joseph Chan, P.E.
2. 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
  - 4) Large Missile Impact Test per FBC, TAS 201-94
  - 5) Cyclic Wind Pressure Loading per FBC, TAS 203-94
  - 6) Forced Entry Test, per FBC 2411 3.2.1 and TAS 202-94along with marked-up drawings and installation diagram of an aluminum horizontal sliding window, prepared by Fenestration Testing Laboratory, Inc., Test Report No. **FTL-3791**, dated 07/12/03, signed and sealed by Joseph Chan, P.E.

**C. CALCULATIONS**

1. Anchor Calculations, ASTM-E-1300 and tested per ASTM E-1300, prepared by Al-Farooq Corporation, dated 11/15/03, signed and sealed by Dr. Humayoun Farooq, P.E.

**D. QUALITY ASSURANCE**

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

**E. MATERIAL CERTIFICATIONS**

1. Notice of Acceptance No. **01-0205.02** issued to Solutia Inc. for "Saflex/Keepsafe Maximum" dated 05/17/01, expiring on 05/21/06.
2. Notice of Acceptance No. **03-1223.04** issued to Sulface Specialties, Inc. for their "Uvekol Liq. Resin" dated **02/05/04**, expiring on **02/08/09**.



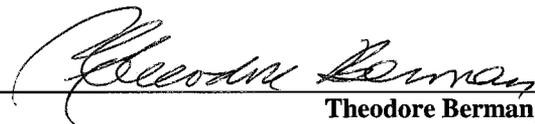
Theodore Berman, P.E.  
Deputy Director, Product Control Division  
NOA No 03-1203.02  
Expiration Date: March 04, 2009  
Approval Date: March 04, 2004

**Yale Ogron Manufacturing Co., Inc.**

**NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED**

**F. STATEMENTS**

1. Statement letter of no financial interest, dated 11/15/03, signed by Humayoun Farooq, P.E. (Notarized)
2. Statement letter of conformance, dated 11/15/03, signed and sealed by Humayoun Farooq, P.E.

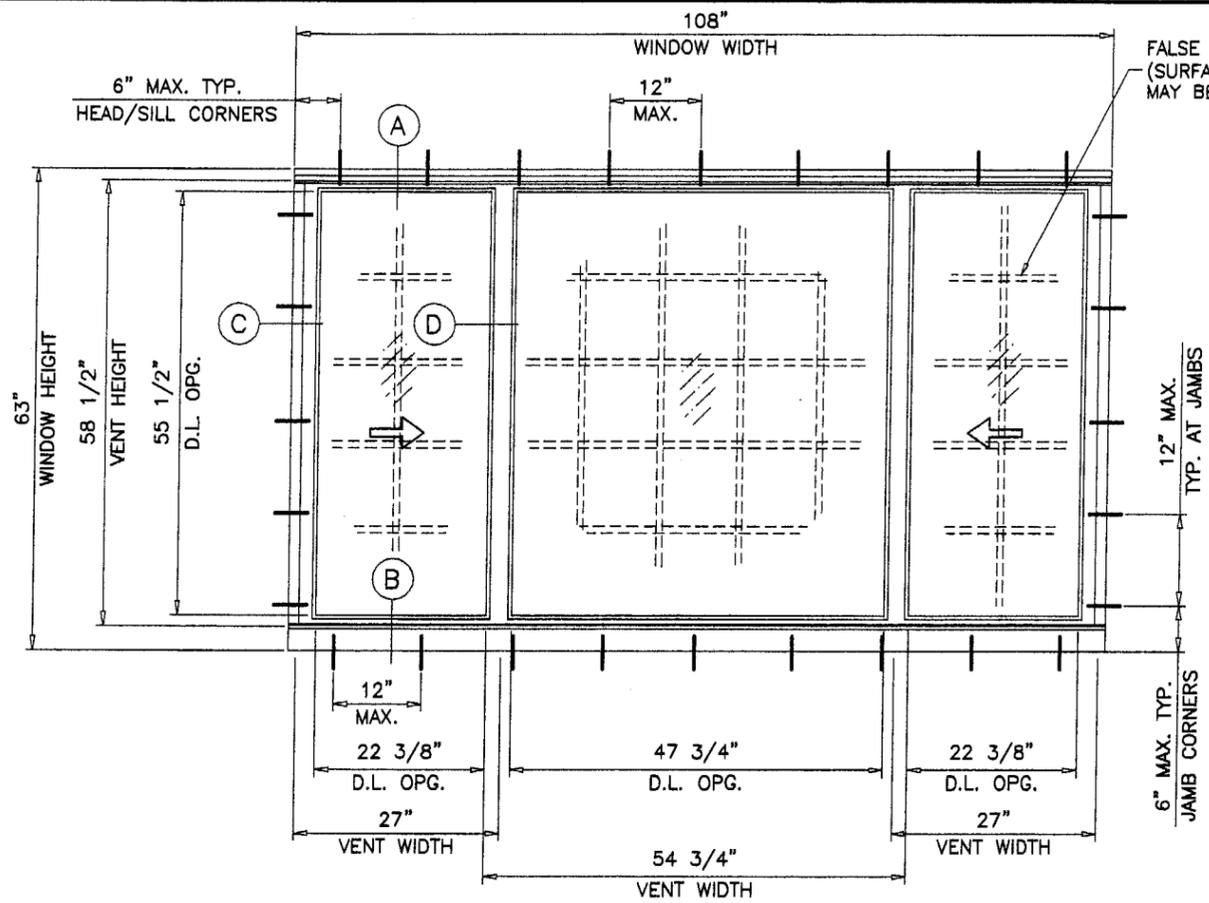


**Theodore Berman, P.E.**  
**Deputy Director, Product Control Division**

**NOA No 03-1203.02**

**Expiration Date: March 04, 2009**

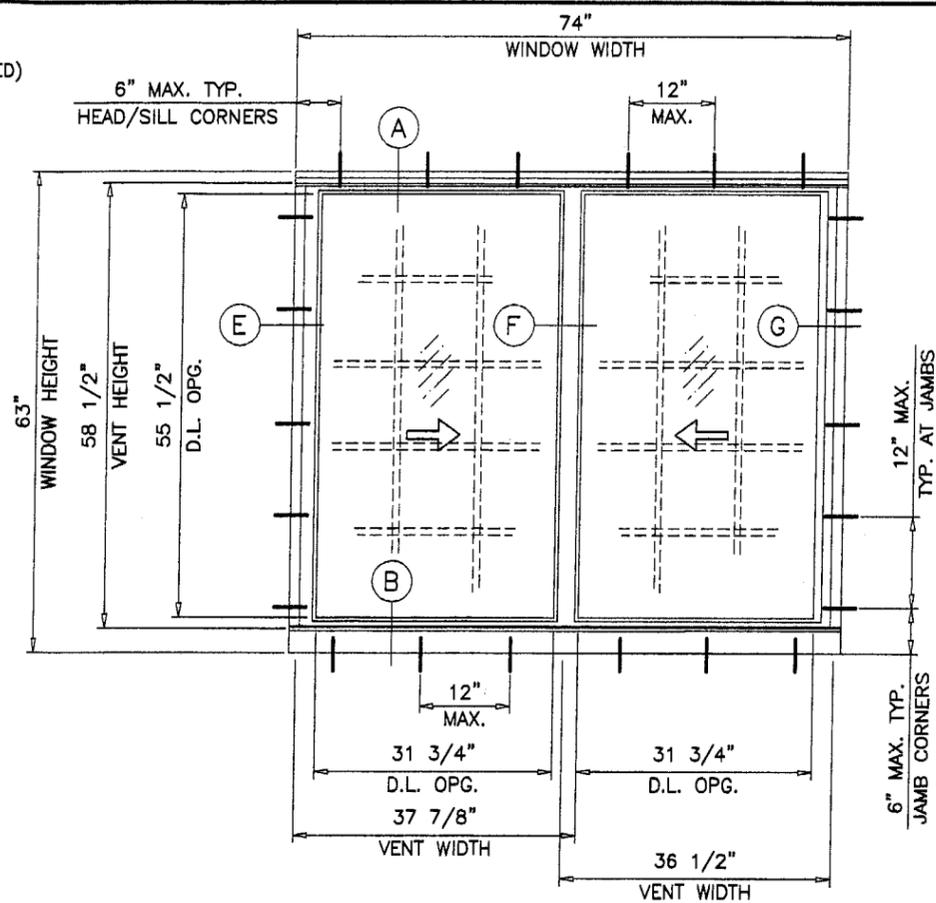
**Approval Date: March 04, 2004**



'XOX'

TYPICAL ELEVATIONS

TESTED UNITS



'XO, OX OR XX'

THESE WINDOWS ARE RATED FOR LARGE MISSILE IMPACT. SHUTTERS ARE NOT REQUIRED.

**SERIES-1600 IMPACT VIEW ALUMINUM HORIZONTAL SLIDING WINDOW**

DESIGN LOAD RATINGS FOR THESE WINDOWS TO BE AS PER CHARTS SHOWN ON SHEETS 2 & 3.

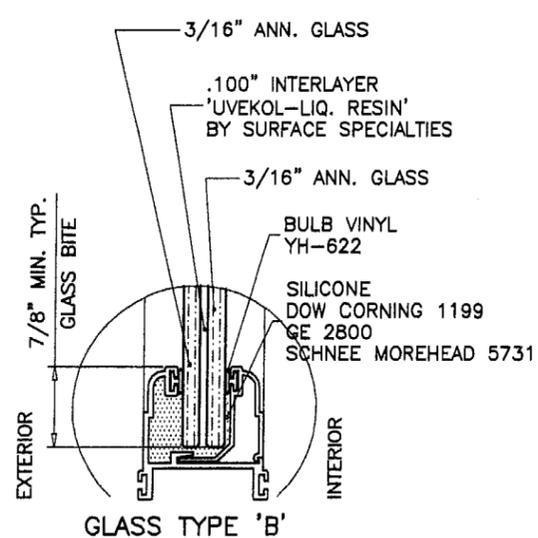
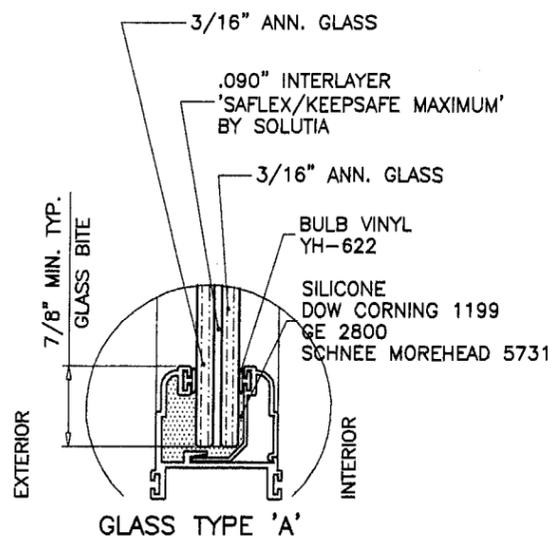
APPROVAL APPLIES TO SINGLE UNITS OR SIDE BY SIDE COMBINATIONS OF H.R./H.R. OR H.R. WITH OTHER WINDOW TYPES IN MODULES OF TWO OR MORE WINDOWS USING APPROVED MULLIONS.

THIS PRODUCT IS DESIGNED TO COMPLY WITH THE HIGH VELOCITY HURRICANE ZONE OF THE 2001 FLORIDA BUILDING CODE.

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

ANCHORS SHALL BE AS LISTED, SPACED AS SHOWN ON DETAILS. ANCHOR 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.



Approved as complying with the Florida Building Code  
 Date: 03/04/04  
 NOAS 03-1103.02  
 Miami Dade Product Control  
 Division  
 By: *[Signature]*

Engr. DR. HUMAYOON FAROOQ  
 STRUCTURES  
 FLA. PE # 38357  
 C.A.N. 3538  
*[Signature]*  
 JAN 30 2004

**afc**

**AL-FAROOQ CORPORATION**  
 ENGINEERS, PLANNERS & PRODUCT DESIGN  
 1235 SW 87 AVE  
 MIAMI, FLORIDA 33174  
 TEL. (305) 264-8100 FAX. (305) 262-6978  
 COMP-ANL\W03-104YO

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SERIES-1600 IMPACT VIEW ALUM. HORIZ. SLIDING WDW.  
**YALE OGRON MFG. CO. INC.**  
 671 WEST 18TH ST.  
 HIALEAH, FL. 33010-2480  
 TEL. (305) 887-2646 FAX (305) 883-1309

no.	date	description	REV. PER	COMMENTS
A	01.23.04			

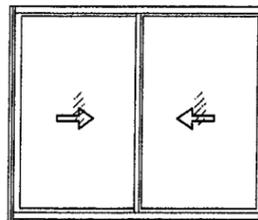
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 scale: 1/2"=1'-0"  
 dr. by: HAMID  
 chk. by:

drawing no. **W03-104**  
 sheet 1 of 5

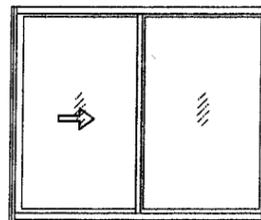
DESIGN LOAD CAPACITY - PSF (XO, OX OR XX SIZES)

WINDOW DIMS.		A	GLASS TYPES 'A' & 'B'		
WIDTH	HEIGHT		EXT.(+)	INT.(-)	
26-1/2"	26"	3	90.0	140.0	
37"		4	90.0	140.0	
53-1/8"		(3)	5	90.0	140.0
74"		7	90.0	140.0	
26-1/2"	38-3/8"	3	90.0	140.0	
37"		(3)	4	90.0	140.0
53-1/8"		(3)	5	90.0	140.0
74"		7	90.0	140.0	
26-1/2"	50-5/8"	3	90.0	140.0	
37"		(4)	4	90.0	140.0
53-1/8"		(4)	5	90.0	140.0
74"		7	90.0	118.6	
26-1/2"	63"	3	90.0	140.0	
37"		(5)	4	90.0	140.0
53-1/8"		(5)	5	90.0	124.7
74"		7	90.0	92.6	
24"	24"	2	90.0	140.0	
36"		(2)	3	90.0	140.0
48"		4	90.0	140.0	
60"		5	90.0	140.0	
72"		6	90.0	140.0	
24"	36"	2	90.0	140.0	
36"		(3)	3	90.0	140.0
48"		4	90.0	140.0	
60"		5	90.0	140.0	
72"		6	90.0	140.0	
24"	48"	2	90.0	140.0	
36"		(4)	3	90.0	140.0
48"		4	90.0	140.0	
60"		5	90.0	140.0	
72"		6	90.0	130.7	
24"	60"	2	90.0	139.6	
36"		(5)	3	90.0	133.6
48"		4	90.0	128.0	
60"		5	90.0	122.0	
72"		6	90.0	102.2	

A = NO. OF ANCHORS PER HEAD & SILL  
( ) = NO. OF ANCHORS PER JAMB



'XX'



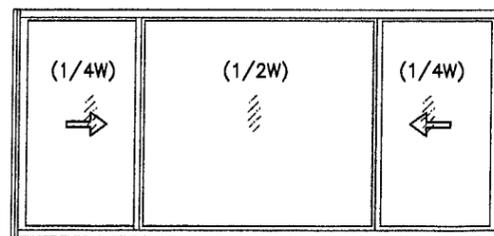
'XO OR OX'

LEFT AND RIGHT VENTS TO BE OF EQUAL GLASS DLO WIDTHS

DESIGN LOAD CAPACITY - PSF (XOX SIZES)

WINDOW DIMS.		A	GLASS TYPES 'A' & 'B'		
WIDTH	HEIGHT		EXT.(+)	INT.(-)	
74"	26"	7	90.0	140.0	
106-1/4"		(3)	9	90.0	140.0
111"		10	90.0	140.0	
74"	38-3/8"	7	90.0	140.0	
106-1/4"		(3)	9	90.0	113.9
111"		10	90.0	109.7	
74"	50-5/8"	7	90.0	125.8	
106-1/4"		(4)	9	79.5	79.5
111"		10	75.4	75.4	
74"	63"	7	90.0	99.4	
106-1/4"		(5)	9	61.1	61.1
72"	24"	6	90.0	140.0	
84"		(2)	7	90.0	140.0
96"		8	90.0	140.0	
108"		9	90.0	140.0	
72"	36"	6	90.0	140.0	
84"		(3)	7	90.0	140.0
96"		8	90.0	139.4	
108"		9	90.0	124.1	
72"	48"	6	90.0	120.5	
84"		(4)	7	90.0	113.8
96"		8	90.0	95.9	
108"		9	83.1	83.1	
72"	60"	6	90.0	97.5	
84"		(5)	7	86.1	86.1
96"		8	73.1	73.1	
108"		9	63.6	63.6	

A = NO. OF ANCHORS PER HEAD & SILL  
( ) = NO. OF ANCHORS PER JAMB



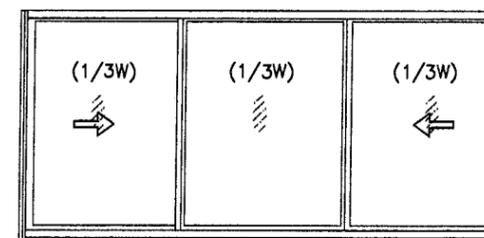
OPERATING VENTS TO BE 1/4 OF THE WINDOW WIDTH

'XOX'

DESIGN LOAD CAPACITY - PSF (XOX SIZES)

WINDOW DIMS.		A	GLASS TYPES 'A' & 'B'		
WIDTH	HEIGHT		EXT.(+)	INT.(-)	
74"	26"	7	90.0	140.0	
106-1/4"		(3)	9	90.0	140.0
111"		10	90.0	140.0	
74"	38-3/8"	7	90.0	140.0	
106-1/4"		(3)	9	90.0	140.0
111"		10	90.0	140.0	
74"	50-5/8"	7	90.0	138.2	
106-1/4"		(4)	9	90.0	118.1
111"		10	90.0	116.2	
74"	63"	7	90.0	113.4	
106-1/4"		(5)	9	90.0	92.0
111"	10	89.7	89.7		
72"	24"	6	90.0	140.0	
84"		(2)	7	90.0	140.0
96"		8	90.0	140.0	
108"		9	90.0	140.0	
72"	36"	6	90.0	140.0	
84"		(3)	7	90.0	140.0
96"		8	90.0	140.0	
108"		9	90.0	140.0	
72"	48"	6	90.0	128.0	
84"		(4)	7	90.0	125.7
96"		8	90.0	123.4	
108"		9	90.0	121.3	
72"	60"	6	90.0	104.7	
84"		(5)	7	90.0	103.2
96"		8	90.0	101.6	
108"		9	90.0	97.6	

A = NO. OF ANCHORS PER HEAD & SILL  
( ) = NO. OF ANCHORS PER JAMB



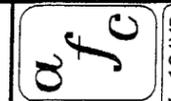
OPERATING VENTS TO BE 1/3 OF THE WINDOW WIDTH

'XOX'

Approved as complying with the  
Florida Building Code  
Date: 03/04/04  
NOA#03-1203.02  
Miami Dade Product Control  
Division  
By: *[Signature]*

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

JAN 30 2004



AL-FAROOQ CORPORATION  
ENGINEERS, PLANNERS & PRODUCT DESIGN  
1235 SW 87 AVE  
MIAMI, FLORIDA 33174  
TEL. (305) 264-8100 FAX. (305) 262-6978

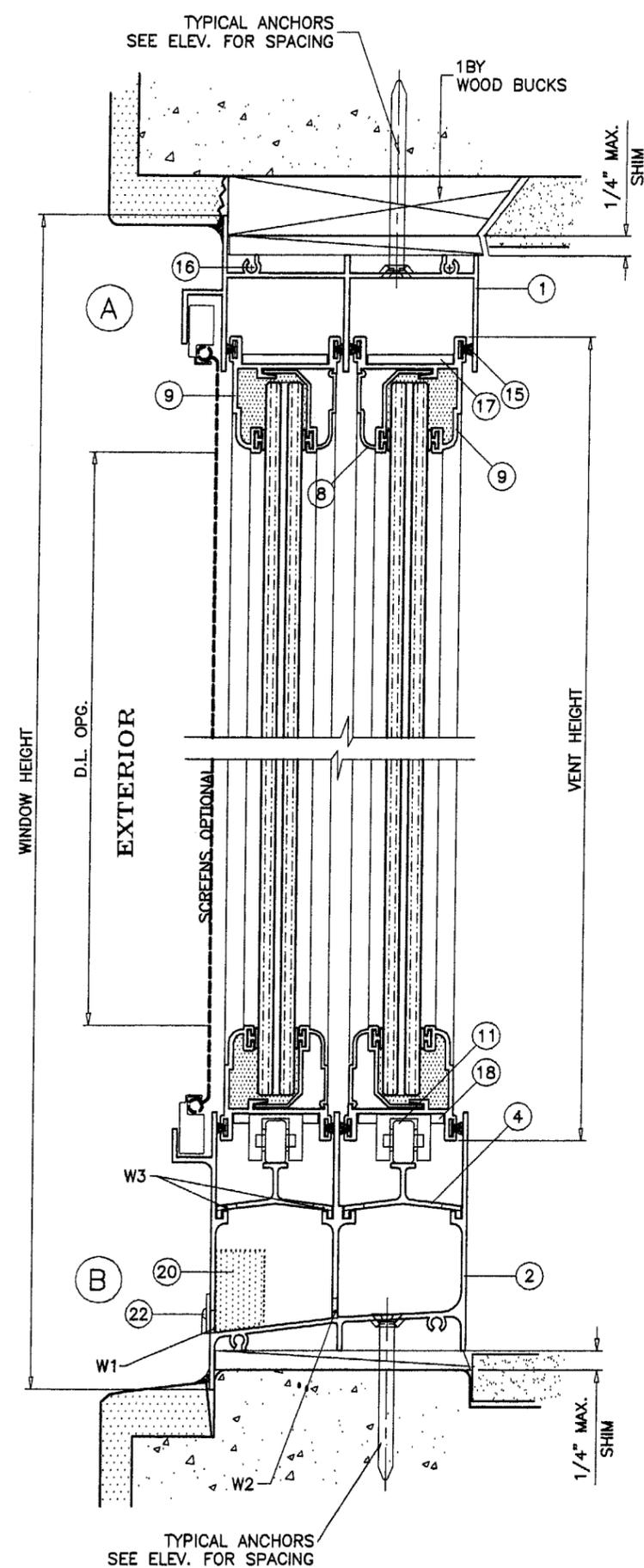
SERIES-1600 IMPACT VIEW ALUM HORIZ. SLIDING WDW.  
YALE OGRON MFG. CO. INC.  
671 WEST 18TH ST.  
HIALEAH, FL. 33010-2480  
TEL. (305) 887-2646 FAX (305) 883-1309

no	date	description	REV. PER ECCC COMMENTS
A	01.23.04		

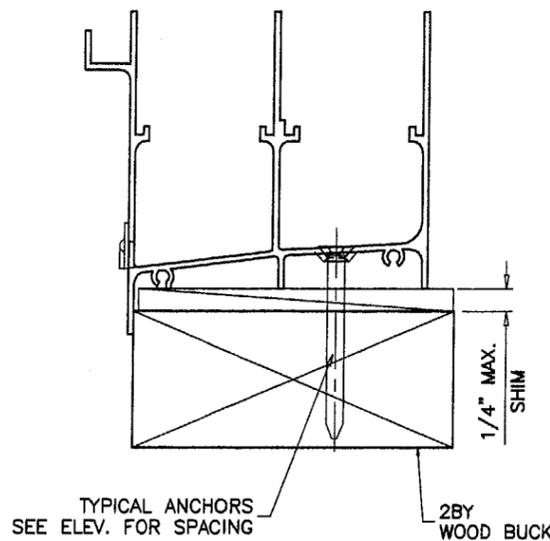
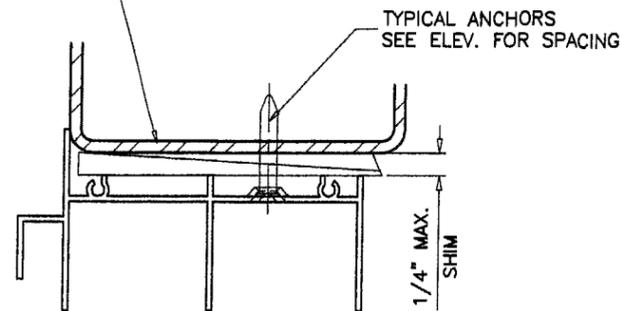
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scale: 1/2" = 1"  
dr. by: HAMID  
chk. by:

drawing no.  
W03-104  
sheet 2 of 5

COMP-ANL W03-104YO



METAL STRUCTURES  
(STEEL OR ALUM. 1/8" MIN. THICK)  
STEEL :  $F_y = 36$  KSI MIN.  
ALUMINUM : 6063-T5 MIN.



WOOD BUCKS NOT BY YALE, MUST SUSTAIN LOADS IMPOSED BY GLAZING SYSTEM AND TRANSFER THEM TO THE BUILDING STRUCTURE.

**TYPICAL ANCHORS:** SEE ELEV. FOR SPACING

**1/4" TAPCONS** BY 'ELCO TEXTRON'  
INTO 2BY WOOD BUCKS OR WOOD STRUCTURE  
1-3/8" 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

**1/4" TEKS OR SELF DRILLING SCREWS**

INTO METAL STRUCTURES (1/8" MIN. THICKNESS)  
(1/4" MAX. SHIM SPACE)

**#12 SMS OR SELF DRILLING SCREWS**

INTO DADE COUNTY APPROVED MULLIONS  
(NO SHIM SPACE)

**SEALANTS:**

FRAME AND VENT CORNERS AND INSTALLATION SCREWS AT SILL  
SEALED WITH WHITE/ALUMINUM COLORED SEALANT.

**WEEPHOLES:**

W1 = 1-5/8" X 1/4" WEEPHOLES AT 12" FROM EACH END  
WITH PLASTIC BAFFLE

W2 = 3/4" X 5/8" WEEPHOLE AT EACH END

W3 = 1-1/4" X 1/4" WEEPHOLES AT 16-1/2" FROM EACH END

Approved as complying with the  
Florida Building Code  
Date 03/04/04  
NOA# 03-1203.02  
Miami Dade Product Control  
Division  
By *Glenn L. Brown*

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

JAN 30 2004

*afc*  
**AL-FAROOQ CORPORATION**  
ENGINEERS, PLANNERS & PRODUCT DESIGN  
1235 SW 87 AVE  
MIAMI, FLORIDA 33174  
TEL. (305) 264-8100 FAX. (305) 262-6978  
COMP-ANL\W03-104YO

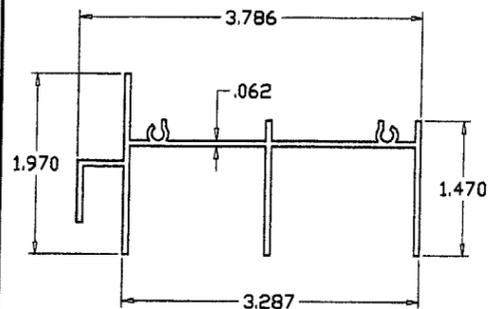
SERIES-1600 IMPACT VIEW ALUM. HORIZ. SLIDING WDW.  
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TEL. (305) 887-2646 FAX (305) 883-1309

revisions:	no	date	by	description
	A	01.23.04		NO CHANGE THIS SHEET

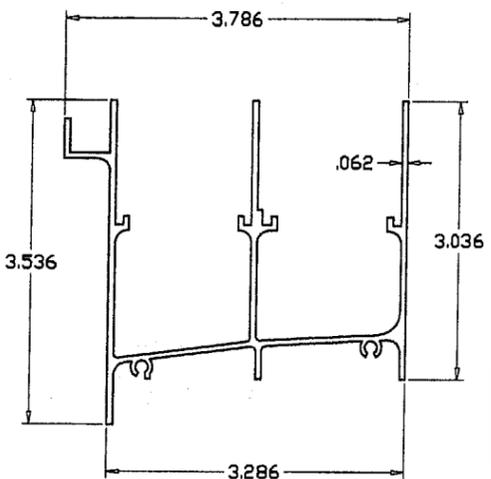
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scale: 1/2" = 1"  
dr. by: HAMID  
chk. by:

drawing no.  
**W03-104**  
sheet 3 of 5

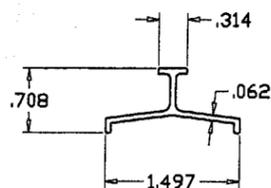




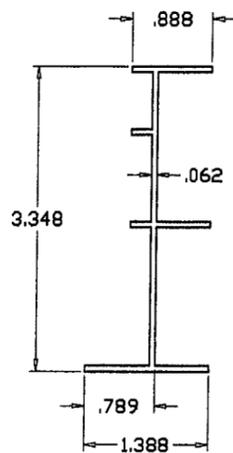
FRAME HEAD



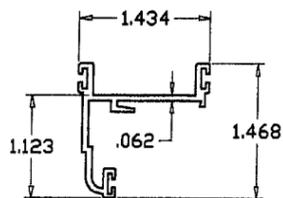
FRAME SILL



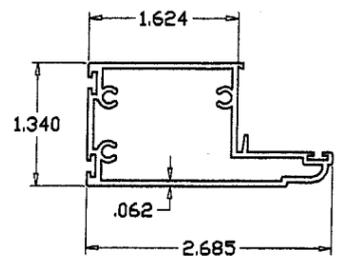
SILL TRACK



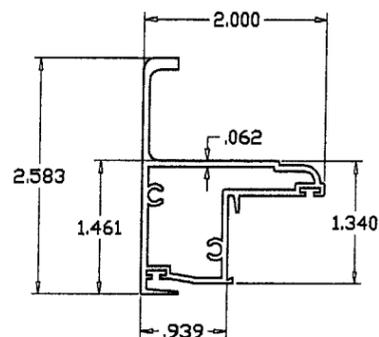
FRAME JAMB



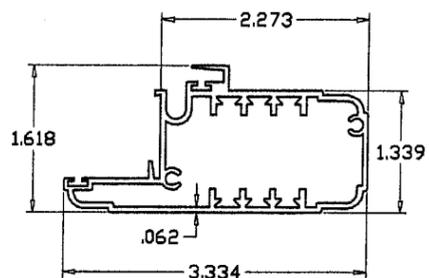
VENT TOP/BOTTOM RAIL



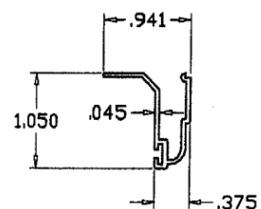
JAMB STILE



MEETING RAIL

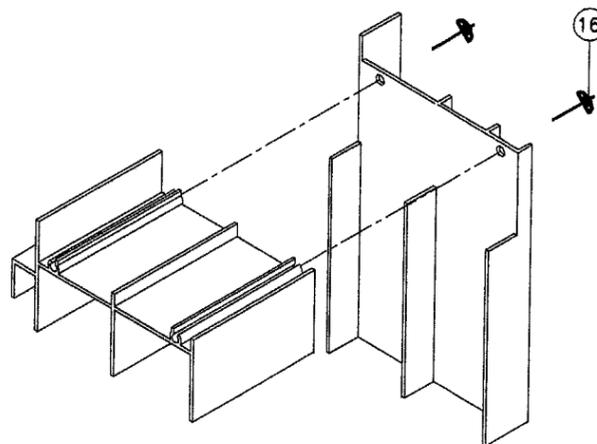


FIXED MTG. RAIL

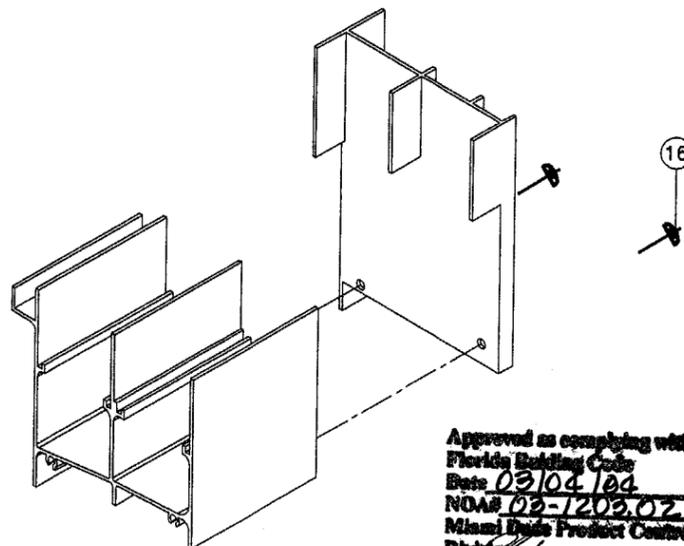


GLAZING BEAD

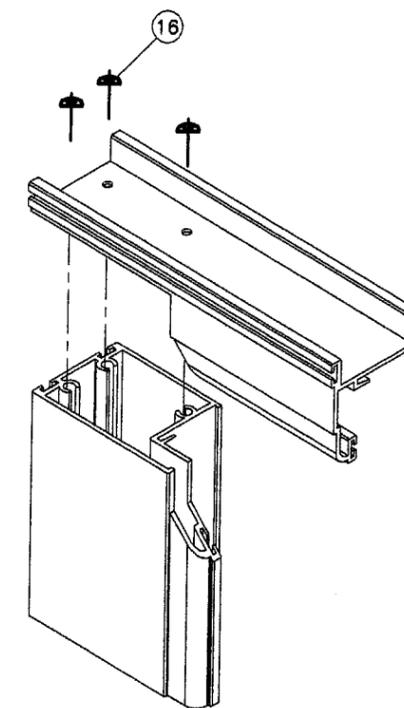
ITEM	PART #	QUANTITY	DESCRIPTION	MATERIAL	MANF./SUPPLIER/REMARKS
1	YE-1600	1	FRAME HEAD	6063-T5	-
2	YE-1601	1	FRAME SILL	6063-T5	-
3	YE-1602	1	FRAME JAMB	6063-T5	-
4	YE-1605	1	SILL TRACK INSERT	6063-T5	-
5	YE-1603	1/	VENT FIXED RAIL	6063-T5	-
6	YE-1704	1/	VENT MEETING RAIL	6063-T5	-
7	YE-1604	1/	JAMB STILE	6063-T5	-
8	YE-1707	AS REQD.	GLAZING BEAD	6063-T5	-
9	YE-1706	2/	TOP AND BOTTOM RAIL	6063-T5	-
10	-	-	-	-	-
11	YH-1605	2/	ROLLER ASSEMBLY	NYLON	YALE, 3" FROM EACH END
12	YH-715	2/	VENT LATCH	-	AT 8-1/2" & 46-1/2" FROM BOTTOM
13	YF-62	2/	LATCH	-	-
14	YH-622	AS REQD.	BULB W'STRIPPING	-	SULLIVAN & SULLIVAN
15	YH-6009	AS REQD.	FIN SEAL W'STRIPPING	-	ULTRAFAB
16	YF-10	AS REQD.	FRAME/VENT ASSEMBLY SCREWS	CRS	#8 X 1" P.H. SMS
17	YH-1602	2/	VENT TOP GUIDE	VINYL	YALE
18	YH-1603	2/	VENT BOTTOM GUIDE	STEEL	YALE
19	YF-71	2/	GUIDE SCREWS	-	SMS
20	YH-1601	1/	WEEP	OPEN CELL FOAM PAD (1" X 1" X 3/4")	YALE
21	YH-1604	-	WEEP	OPEN CELL FOAM PAD (1-1/4" X 1/4" X 1-3/4")	YALE
22	YH-1606	2	WEEPHOLE COVERS	-	YALE



FRAME TOP CORNER



FRAME BOTTOM CORNER



VENT TOP/BOTTOM CORNERS

Approved as complying with the Florida Building Code  
 Date 03/04/04  
 NOA# 02-1203.02  
 Miami Dade Product Control  
 By: *[Signature]*

Engr: DR. HUMAYOUN FAROOQ  
 STRUCTURES  
 FLA. PE # 16857  
 C.A.N. 3838

JAN 30 2004

**AL-FAROOQ CORPORATION**  
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revisions:	no	date	by	description
	A	01.23.04	REV. PER BCCO COMMENTS	

date: 11-18-03  
 scale: 1/2" = 1"  
 dr. by: HAMID  
 ch. by:  
 drawing no. W03-104  
 sheet 5 of 5