



MIAMI-DADE COUNTY, FLORIDA  
 METRO-DADE FLAGLER BUILDING  
 140 WEST FLAGLER STREET, SUITE 1603  
 MIAMI, FLORIDA 33130-1563  
 (305) 375-2902 FAX (305) 372-6339  
[www.miamidade.gov/buildingcode](http://www.miamidade.gov/buildingcode)

BUILDING CODE COMPLIANCE OFFICE (BCCO)  
 PRODUCT CONTROL DIVISION  
**NOTICE OF ACCEPTANCE (NOA)**

**Curv-A-Tech Corporation**  
 930 W. 23<sup>rd</sup> 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 "400" Aluminum Horizontal Sliding Window – N. I.**

**APPROVAL DOCUMENT:** Drawing No. **W97-31**, titled "Series 400 Aluminum Horiz. Sliding Wdw. (N.I.)", sheets 1 through 6 of 6, dated 10/6/97 with revision "**H**" dated 04/08/09, 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.**

**LIMITATION:**

**Miami-Dade County Product Control Approved Shutters Or Protection Devices Shall Be Required.**

**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 No. **08-0310.04** and consists of this page 1 and the evidence pages E-1, E-2 and E-3, as well as approval document mentioned above.

The submitted documentation was reviewed by **Jaime D. Gascon, P. E.**



*J. Gascon*  
 6/10/09

NOA No. 09-0423.07  
 Expiration Date: July 01, 2014  
 Approval Date: July 01, 2009  
 Page 1

**Curv-A-Tech Corporation**

**NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED**

**A. DRAWINGS**

1. Manufacturer's die drawings and sections.
2. Drawing No **W97-31**, titled "Series 400 Aluminum Horiz. Sliding Wdw. (N.I.)", sheets 1 through 6 of 6, dated 10/06/97 with revision "**H**" dated 04/08/09, 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
  - 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 horizontal sliding window, prepared by Fenestration Testing Laboratory, Inc., Test Report No. **FTL-5821**, dated March 03, 2009, signed and sealed by Carlos S. Rionda, P. E.

2. Test reports on:

- 1) Uniform Static Air Pressure Test, Loading per FBC, TAS 202-94

Along with marked-up drawings and installation diagram of an aluminum horizontal sliding window, prepared by Fenestration Testing Laboratory, Inc., Test Report No. **FTL-3802**, dated March 15, 2003, signed and sealed by Joseph C. Chan, P. E.

*(Submitted under NOA# 03-0807.06)*

3. 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) Forced Entry Test, per FBC 2411 3.2.1 and TAS 202-94

Along with marked-up drawings and installation diagram of an aluminum horizontal sliding window, prepared by Fenestration Testing Laboratory, Inc., Test Report No. **FTL-1386**, dated July 11, 1996 and reissued July 25, 1996, all signed and sealed by Gilbert Diamond, P. E.

*(Submitted under NOA# 00-0327.12)*

4. 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) Forced Entry Test, per FBC 2411 3.2.1 and TAS 202-94

Along with marked-up drawings and installation diagram of an aluminum horizontal sliding window, prepared by Fenestration Testing Laboratory, Inc., Test Report No. **FTL-1364**, dated February 1, 1996 and reissued July 25, 1996, all signed and sealed by Gilbert Diamond, P. E.

*(Submitted under NOA# 00-0327.12)*



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**Jaime D. Gascon, P. E.**  
Chief, Product Control Division  
NOA No. 09-0423.07  
Expiration Date: July 01, 2014  
Approval Date: July 01, 2009

Curv-A-Tech Corporation

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

**C. CALCULATIONS**

1. Anchor verification calculations and structural analysis, complying with FBC-2007, prepared by Al-Farooq Corporation, dated 04/06/09, signed and sealed by Humayoun Farooq, P. E.  
**Complies with ASTM E1300-02/ 04**

**D. QUALITY ASSURANCE**

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

**E. MATERIAL CERTIFICATIONS**

1. None

**F. STATEMENTS**

1. Statement letter of conformance, issued by Al-Farooq Corporation, dated March 27, 2009, signed and sealed by Humayoun Farooq, P. E.
2. Statement letter of no financial interest, issued by Al-Farooq Corporation, dated March 27, 2009, signed and sealed by Humayoun Farooq, P. E.
3. Laboratory compliance letter for Test Report no. **FTL- 5821**, issued by Fenestration Testing Laboratory, Inc., dated March 03, 2009, signed and sealed by Carlos S. Rionda, P. E.
4. Testing agreement letter, dated February 29, 2008, between Fenestration Testing Laboratory, Inc. (FTL) and Curv-A-Tech Corporation, issued by FTL.  
*(Submitted under NOA# 08-0310.04)*
5. Laboratory compliance letter for Test Report no. **FTL- 3802**, issued by Fenestration Testing Laboratory, Inc., dated May 27, 2003, signed and sealed by Joseph C. Chan, P. E. *(Submitted under NOA# 00-0327.12)*
6. Laboratory addendum letter for Test Report no. **FTL-1364** and **FTL-1386** issued by Fenestration Testing Laboratory, Inc., dated July 15, 1998, signed and sealed by Gilbert Diamond, P. E.  
*(Submitted under NOA# 00-0327.12)*
7. Laboratory compliance letter for Test Report no. **FTL-1364** and **FTL-1386** issued by Fenestration Testing Laboratory, Inc., dated July 11, 1996 and February 01, 1996, signed and sealed by Gilbert Diamond, P. E.  
*(Submitted under NOA# 00-0327.12)*

**G. OTHERS**

1. Notice of Acceptance No. **08-0807.06**, issued to Curv-A-Tech Corporation for their Series "400" **Aluminum Horizontal Sliding Window-N.I.**", approved on 04/17/08 and expiring on 04/17/09.

  
Jaime D. Gascon, P. E.

Chief, Product Control Division  
NOA No. 09-0423.07  
Expiration Date: July 01, 2014  
Approval Date: July 01, 2009

**Curv-A-Tech Corporation**

**NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED**

**G. OTHERS (CONTINUED)**

2. Notice of Acceptance No. **03-0807.06**, issued to Curv-A-Tech Corporation for their Series **"400" Aluminum Horizontal Sliding Window-N.I.**", approved on 11/27/03 and expiring on 04/17/08.
3. One year conditional approval, subjected to successful verification test, the final approval will be for the balance of a total of 5 years.  
*(Submitted under NOA# 08-0310.04)*
4. Test proposal approval of the Series **"400 Aluminum Horizontal Sliding Window-N.I."** dated February 13, 2008 submitted by Curv-A-Tech Corporation, approved on February 15, 2008, by Manuel Perez, P. E., Plan Examiner.  
*(Submitted under NOA# 08-0310.04)*

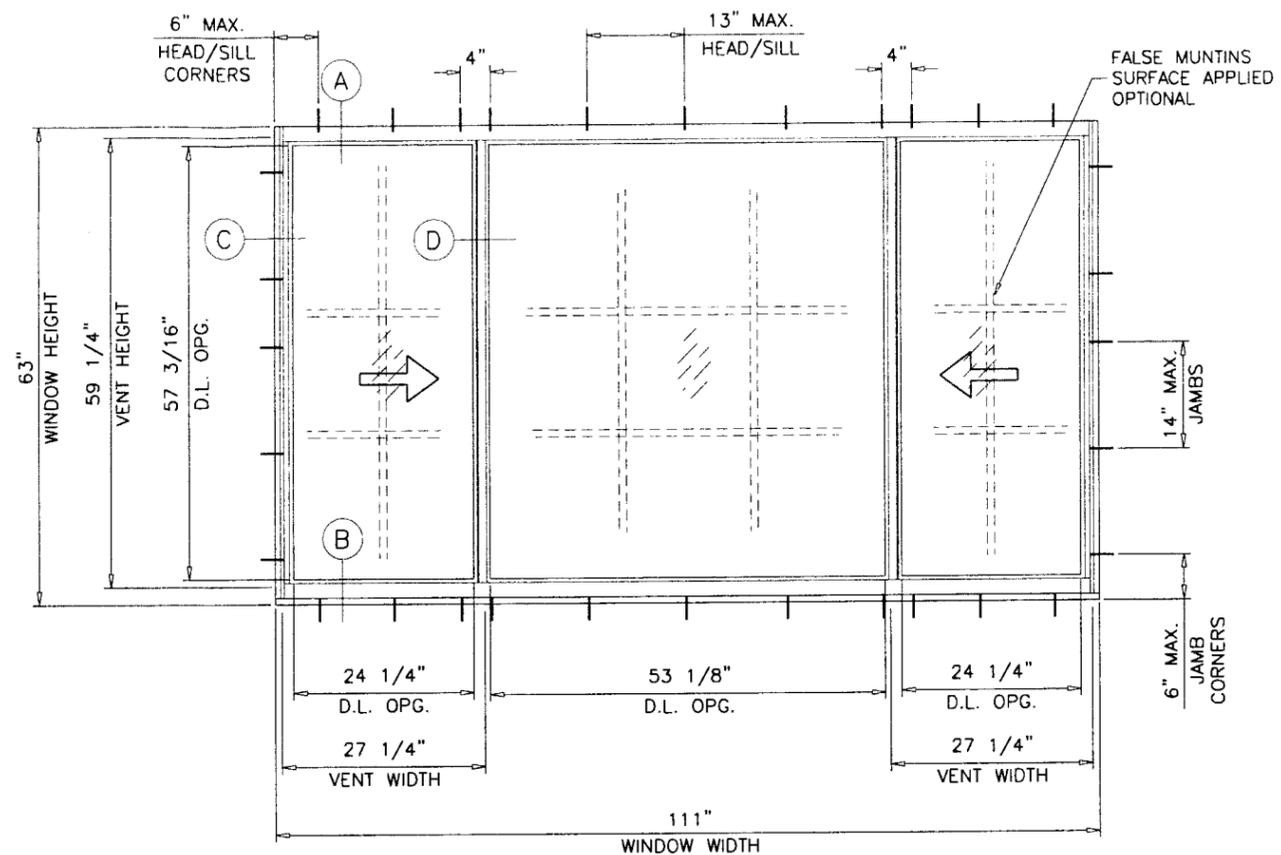
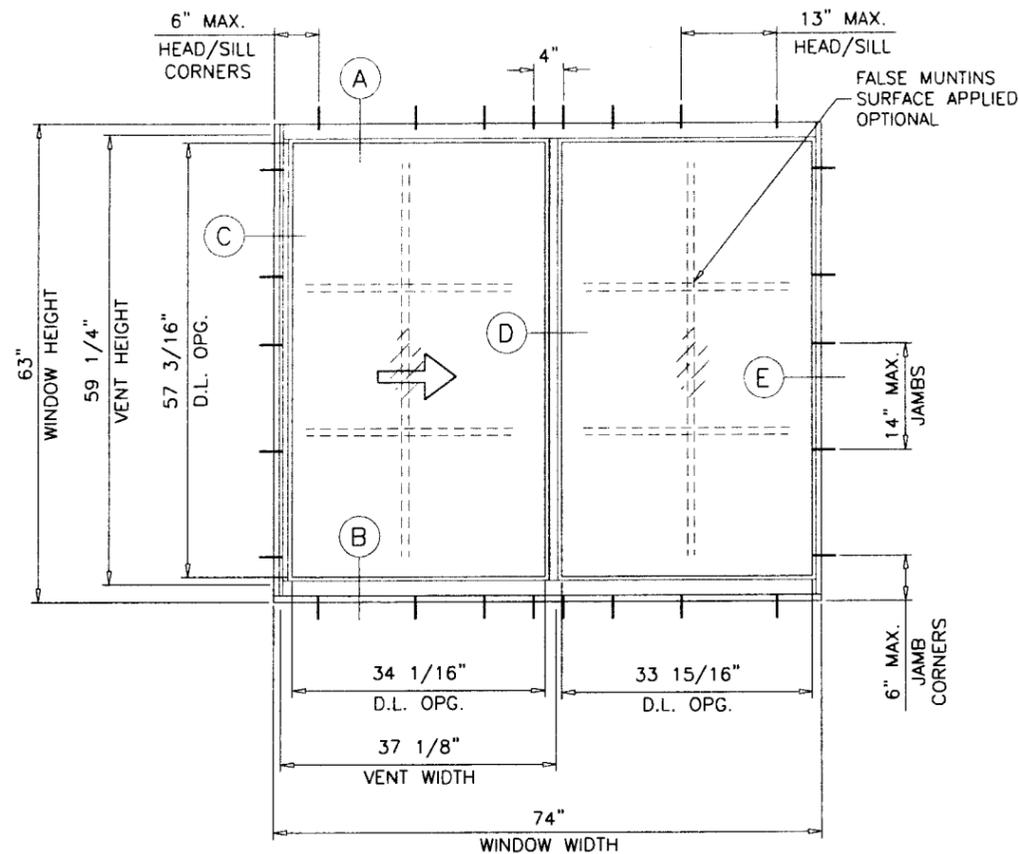
**H. LIMITATIONS:**

1. **Miami-Dade County Product Control Approved Shutters Or Protection Devises Shall Be Required.**



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**Jaime D. Gascon, P. E.**  
**Chief, Product Control Division**  
**NOA No. 09-0423.07**  
**Expiration Date: July 01, 2014**  
**Approval Date: July 01, 2009**



TYPICAL ELEVATIONS

**SERIES 400  
ALUMINUM HORIZONTAL SLIDING WINDOW**

DESIGN LOAD RATINGS FOR THESE WINDOWS TO BE AS PER CHARTS SHOWN ON SHEET 2.

APPROVAL APPLIES TO SINGLE HORIZONTAL SLIDING WINDOWS, ALSO COMBINATIONS OF H.S./H.S. OR HORIZONTAL SLIDING 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 2004/2007 EDITION INCLUDING HIGH VELOCITY HURRICANE ZONE (HVHZ).

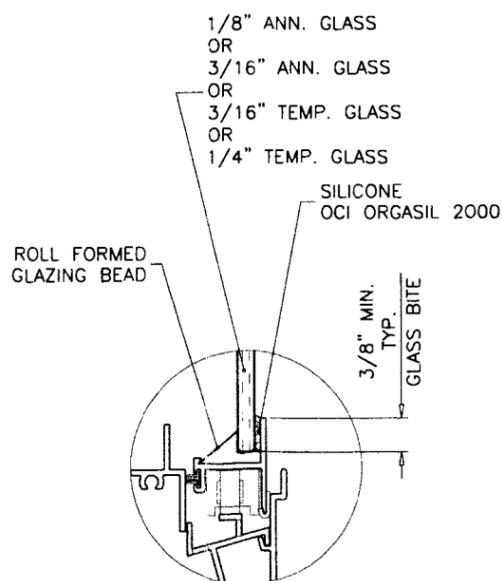
WOOD BUCKS BY OTHERS, MUST BE ANCHORED PROPERLY TO TRANSFER LOADS TO THE STRUCTURE.

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 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 2004/2007 FLORIDA BLDG. CODE SECTION 2003.8.4.



GLAZING DETAIL

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. HUMAYOUL FAROOQ  
STRUCTURES  
FLA. PE # 16557  
C.A.N. 3538

APR 16 2009

PRODUCT REVISED  
as complying with the Florida  
Building Code  
Acceptance No 09-042307  
Expiration Date July 01, 2009  
By *[Signature]*  
Miami Dade Product Control  
Division

**afC**

**AL-FAROOQ CORPORATION**  
ENGINEERS & PRODUCT DEVELOPMENT  
1235 S.W. 87 AVE  
MIAMI, FLORIDA 33174  
TEL. (305) 264-8100 FAX. (305) 262-6978  
COMP-ANL\W97-31CC

SERIES 400 ALUMINUM HORIZ. SLIDING WDW. (N.I.)

**CURV-A-TECH CORPORATION**  
930 W. 23rd STREET  
HIALEAH, FL 33010  
TEL. (305) 888-9631 FAX. (305) 888-9969

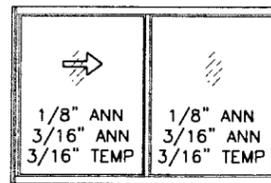
no.	date	description	by
D	1.14.03	CHART REV PER ASTM E-1300	
E	3.06.03	3/16" TEMP. GLASS ADDED	
F	6.11.03	3/16" TEMP. GL. CHART REV.	
G	8.12.05	UPDATED FOR 2004 FBC	
H	04.08.09	GENERAL REVISION	

date: 10-06-97  
scale: 1/2"=1'-0"  
dr. by: HAMID  
chk. by:

drawing no. **W97-31**  
sheet 1 of 6

DESIGN LOAD CAPACITY - PSF XO OR OX SIZES													
WINDOW DIMS. WIDTH HEIGHT		A	STD. MEETING RAILS				H.D. MEETING RAILS						
			WITHOUT SHEAR CLIPS		3/16" ANN. GLASS		W/O SHEAR CLIPS		WITH SHEAR CLIPS				
			1/8" ANN. GLASS	3/16" ANN. GLASS	3/16" TEMP. GLASS	3/16" ANN. GLASS	3/16" TEMP. GLASS						
EXT.(+)	INT.(-)	EXT.(+)	INT.(-)	EXT.(+)	INT.(-)	EXT.(+)	INT.(-)	EXT.(+)	INT.(-)	EXT.(+)	INT.(-)		
24"	24"	4	61.3	78.4	61.3	125.0	61.3	210.0	61.3	125.0	61.3	210.0	
36"		4	61.3	78.4	61.3	125.0	61.3	210.0	61.3	125.0	61.3	210.0	
48"		6	61.3	78.4	61.3	125.0	61.3	210.0	61.3	125.0	61.3	210.0	
60"		6	61.3	78.4	61.3	125.0	61.3	210.0	61.3	125.0	61.3	210.0	
72"		6	61.3	69.8	61.3	125.0	61.3	200.4	61.3	125.0	61.3	210.0	
24"	36"	4	61.3	78.4	61.3	125.0	61.3	210.0	61.3	125.0	61.3	210.0	
36"		4	61.3	78.4	61.3	125.0	61.3	210.0	61.3	125.0	61.3	210.0	
48"		6	61.3	74.2	61.3	125.0	61.3	208.9	61.3	125.0	61.3	210.0	
60"		6	61.3	63.7	61.3	109.1	61.3	188.6	61.3	109.1	61.3	196.0	
72"		6	54.8	54.8	61.3	91.6	61.3	148.4	61.3	91.6	61.3	190.6	
24"	48"	4	61.3	78.4	61.3	125.0	61.3	210.0	61.3	125.0	61.3	210.0	
36"		4	61.3	63.6	61.3	117.3	61.3	156.3	61.3	125.0	61.3	175.9	
48"		6	48.1	48.1	61.3	94.1	61.3	128.5	61.3	94.1	61.3	142.9	
60"		6	-	-	61.3	78.1	61.3	113.8	61.3	78.1	61.3	124.7	
72"		6	-	-	61.3	69.6	61.3	106.1	61.3	69.6	61.3	114.3	
24"	60"	4	54.3	54.3	61.3	125.0	61.3	163.0	61.3	125.0	61.3	190.6	
36"		4	36.9	36.9	61.3	89.7	61.3	115.7	61.3	98.6	61.3	134.5	
48"		6	-	-	61.3	71.5	61.3	92.8	61.3	75.1	61.3	107.2	
60"		6	-	-	57.2	57.2	61.3	79.8	57.2	57.2	61.3	91.5	
72"		6	-	-	52.4	52.4	61.3	71.9	52.4	52.4	61.3	81.7	
26-1/2"	26"	4	61.3	78.4	61.3	125.0	61.3	210.0	61.3	125.0	61.3	210.0	
37"		4	61.3	78.4	61.3	125.0	61.3	210.0	61.3	125.0	61.3	210.0	
53-1/8"		6	61.3	78.4	61.3	125.0	61.3	210.0	61.3	125.0	61.3	210.0	
74"		6	61.3	64.9	61.3	124.0	61.3	182.0	61.3	124.0	61.3	210.0	
26-1/2"	38-3/8"	4	61.3	78.4	61.3	125.0	61.3	210.0	61.3	125.0	61.3	210.0	
37"		4	61.3	77.4	61.3	125.0	61.3	210.0	61.3	125.0	61.3	210.0	
53-1/8"		6	61.3	65.0	61.3	114.3	61.3	178.6	61.3	114.3	61.3	185.3	
74"		6	-	-	61.3	83.3	61.3	137.1	61.3	83.3	61.3	167.9	
26-1/2"	50-5/8"	4	61.3	76.6	61.3	125.0	61.3	185.3	61.3	125.0	61.3	210.0	
37"		4	58.3	58.3	61.3	107.6	61.3	142.2	61.3	118.3	61.3	161.3	
53-1/8"		6	43.5	43.5	61.3	79.2	61.3	111.3	61.3	79.2	61.3	124.5	
74"		6	-	-	61.3	64.5	61.3	95.2	61.3	64.5	61.3	103.9	
26-1/2"	63"	4	42.5	42.5	61.3	110.2	61.3	140.8	61.3	121.2	61.3	165.3	
37"		4	31.0	31.0	61.3	82.8	61.3	106.2	61.3	91.1	61.3	124.2	
53-1/8"		6	-	-	61.3	61.4	61.3	80.6	61.3	61.4	61.3	93.5	
74"		6	-	-	48.4	48.4	61.0	65.5	48.4	48.4	61.0	75.0	

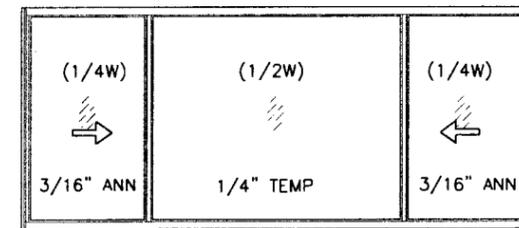
A = NO. OF ANCHORS PER HEAD & SILL



NOTE:  
GLASS CAPACITIES ON THIS SHEET ARE  
BASED ON ASTM E1300-02/04 (3 SEC. GUSTS)  
AND FLORIDA BUILDING COMMISSION  
DECLARATORY STATEMENT DCA05-DEC-219

DESIGN LOAD CAPACITY - PSF XOX SIZES													
WINDOW DIMS. WIDTH HEIGHT		A	H.D. MEETING RAILS										
			3/16" ANN. GLASS AT VENTS 1/4" TEMP. GLASS AT FIX. LITE										
			W/O SHEAR CLIPS		WITH SHEAR CLIPS								
EXT.(+)	INT.(-)	EXT.(+)	INT.(-)	EXT.(+)	INT.(-)								
72"	24"	6	61.3	125.0	61.3	125.0							
84"		8	61.3	125.0	61.3	125.0							
96"		11	61.3	125.0	61.3	125.0							
108"		11	61.3	125.0	61.3	125.0							
120"		12	61.3	125.0	61.3	125.0							
72"	36"	6	61.3	125.0	61.3	125.0							
84"		8	61.3	125.0	61.3	125.0							
96"		11	61.3	125.0	61.3	125.0							
108"		11	61.3	118.7	61.3	118.7							
120"		12	61.3	106.6	61.3	106.6							
72"	48"	6	61.3	104.8	61.3	125.0							
84"		8	61.3	108.7	61.3	108.7							
96"		11	61.3	91.4	61.3	91.4							
108"		11	61.3	82.4	61.3	82.4							
120"		12	61.3	77.1	61.3	77.1							
72"	60"	6	61.3	84.8	61.3	102.5							
84"		8	61.3	81.0	61.3	92.2							
96"		11	61.3	71.9	61.3	71.9							
108"		11	61.3	61.6	61.3	61.6							
120"		12	61.3	56.6	61.3	56.6							
74"	26"	6	61.3	125.0	61.3	125.0							
106-1/4"		11	61.3	125.0	61.3	125.0							
111"		11	61.3	125.0	61.3	125.0							
74"	38-3/8"	6	61.3	125.0	61.3	125.0							
106-1/4"		11	61.3	112.0	61.3	112.0							
111"		11	61.3	107.8	61.3	107.8							
74"	50-5/8"	6	61.3	96.8	61.3	125.0							
106-1/4"		11	61.3	77.6	61.3	77.6							
111"		11	61.3	75.1	61.3	75.1							
74"	63"	6	61.3	78.7	61.3	94.3							
106-1/4"		11	59.5	59.5	59.5	59.5							
111"		11	56.6	56.6	56.6	56.6							

A = NO. OF ANCHORS PER HEAD & SILL



OPERATING VENTS TO BE 1/4 OF THE WINDOW WIDTH

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

APR 16 2009

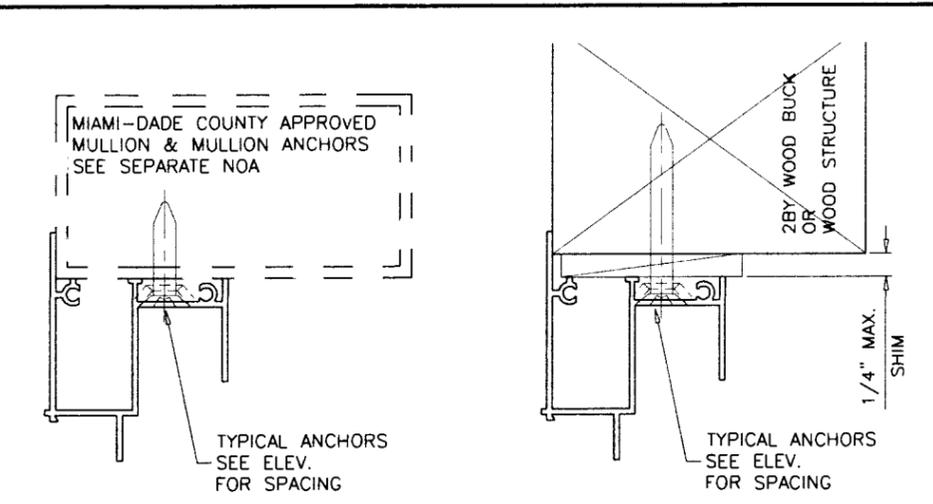
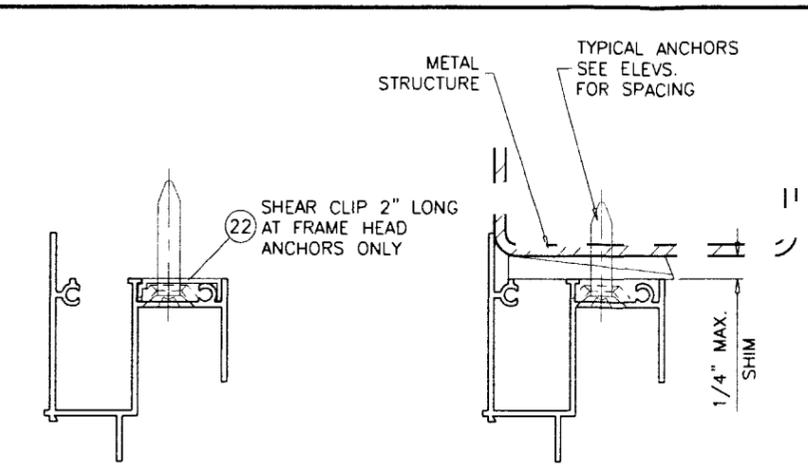
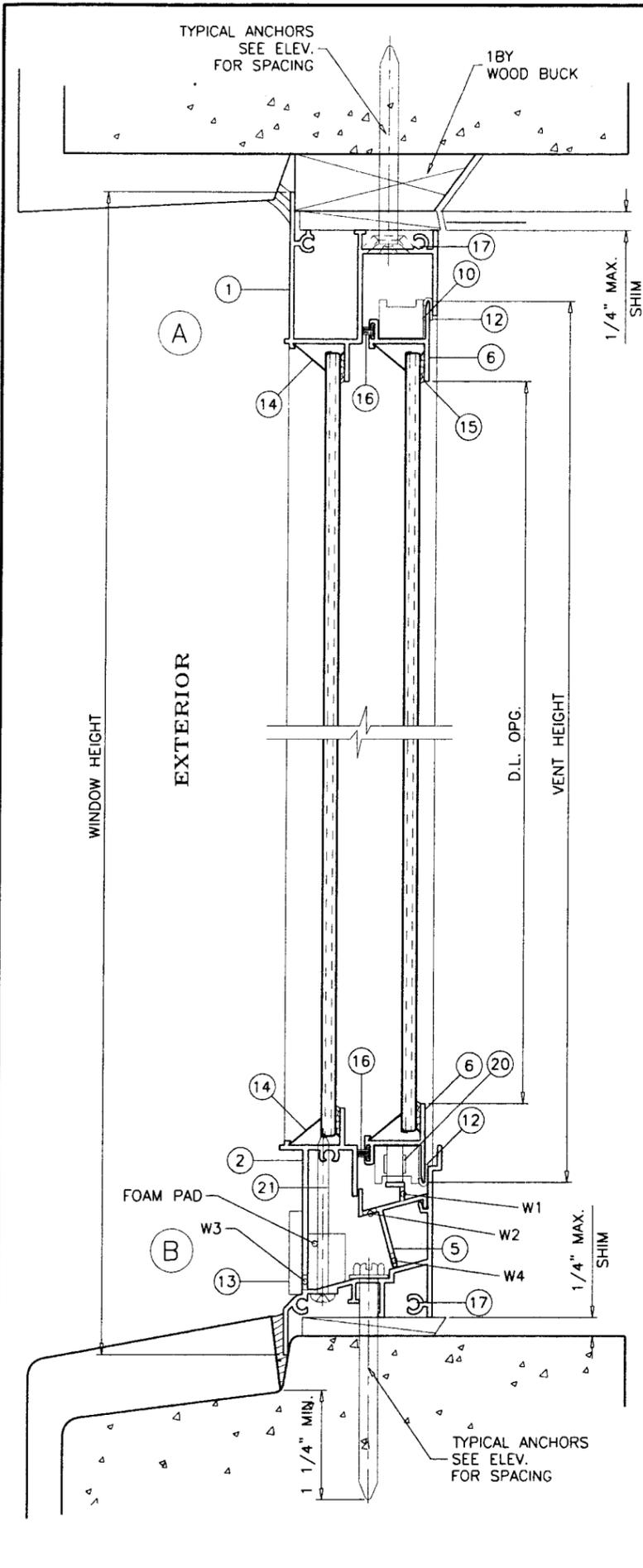
PRODUCT REVISED  
as complying with the Florida  
Building Code  
Acceptance No 09-0423.07  
Expiration Date July 01, 2009  
By *[Signature]*  
Miami Dade Product Control  
Division

**af c**  
**AL-FAROOQ CORPORATION**  
ENGINEERS & PRODUCT DEVELOPMENT  
1235 S.W. 87 AVE  
MIAMI, FLORIDA 33174  
TEL. (305) 264-8100 FAX. (305) 262-6978  
COMP - ANL\W97 - 31CC

SERIES 400 ALUMINUM HORIZ. SLIDING WDW. (N.I.)  
**CURV-A-TECH CORPORATION**  
930 W. 23rd STREET  
HIALEAH, FL 33010  
TEL. (305) 888-9631 FAX. (305) 888-9969

no	date	description	by
G	8.12.05	UPDATED FOR 2004 FBC	
H	04.08.09	GENERAL REVISION	

date: 10-06-97  
scale: 1/2" = 1'-0"  
dr. by: HAMID  
chk. by:  
drawing no.  
**W97-31**  
sheet 2 of 6



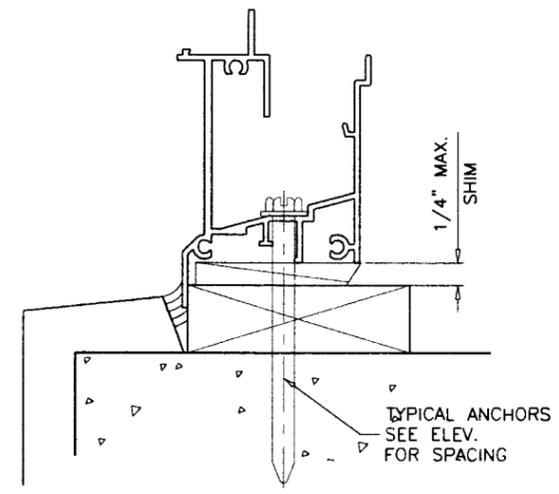
HEAD ANCHORS WITH SHEAR CLIPS  
SEE SHEET 2 FOR CAPACITY

**SEALANTS:**

ALL FRAME CORNERS, FIXED MEETING RAIL AT EACH END, INSTALLATION SCREWS IN SILL AND JAMBS SEALED WITH ALUMINUM COLORED SEALANT.

**WEEPHOLES:**

- W1 - 3/8" NOTCH IN LEG AT EACH END
- W2 - 3/16" X 2" NOTCH 4 PER SILL
- W3 - 3/16" X 2" NOTCH 3 AT XO & OX SIZES  
4 AT XOX SIZES
- OPEN CELL FOAM PAD (1/2" X 3/4" X 3-1/4") AT EACH W3
- W4 - 1/2" X 1/8" NOTCH AT SILL TRACK  
AT 2" & 39-7/8" FROM EACH END (XOX SIZES)  
AT 1-1/4" FROM EACH END (XO OR OX SIZES)



WOOD BUCKS AND METAL STRUCTURES NOT BY CURV-A-TECH MUST SUSTAIN LOADS IMPOSED BY GLAZING SYSTEM AND TRANSFER THEM TO THE BUILDING STRUCTURE.

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

**1/4" DIA. ULTRACON BY 'ELCO'** (Fu=177 KSI, Fy=155 KSI)

INTO 2BY WOOD BUCKS OR WOOD STRUCTURES  
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

**#14 SMS OR SELF DRILLING SCREWS** (GRADE 2 CRS)  
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)

**#14 SMS OR SELF DRILLING SCREWS**

INTO MIAMI-DADE COUNTY APPROVED MULLIONS (MIN. THK. = .090")  
(NO SHIM SPACE)

**TYPICAL EDGE DISTANCE**

INTO CONCRETE AND MASONRY = 1-3/4" MIN. (EXCEPT AT PRECAST SILL)  
INTO WOOD STRUCTURE = 1" MIN.  
INTO METAL STRUCTURE = 3/4" MIN.

CONCRETE f'c = 3000 PSI MIN.  
C-90 HOLLOW/FILLED BLOCK f'm = 2000 PSI MIN.

Engr. DR. HUMAYOUN FAROOQ  
STRUCTURES  
FLA. PE # 16357  
C.A.N. 3538

APR 16 2009

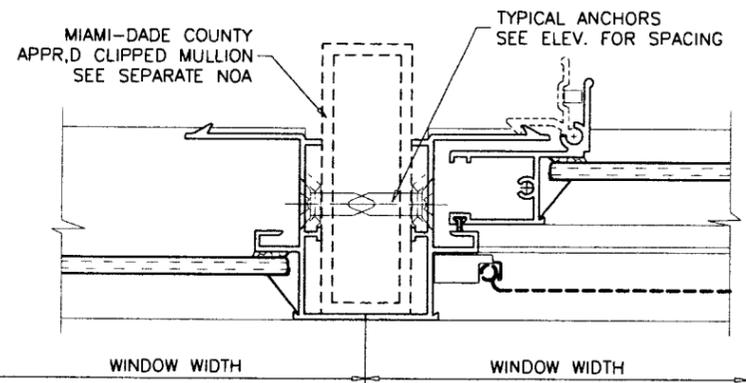
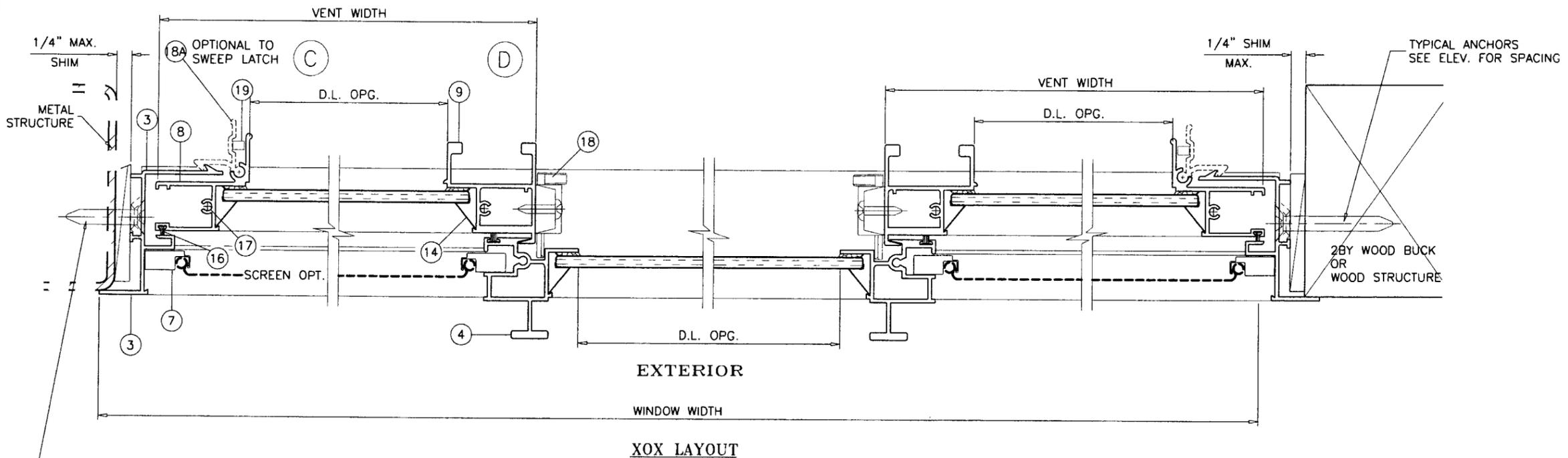
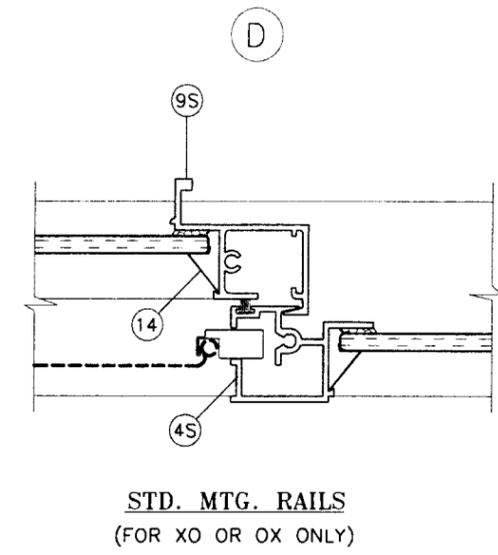
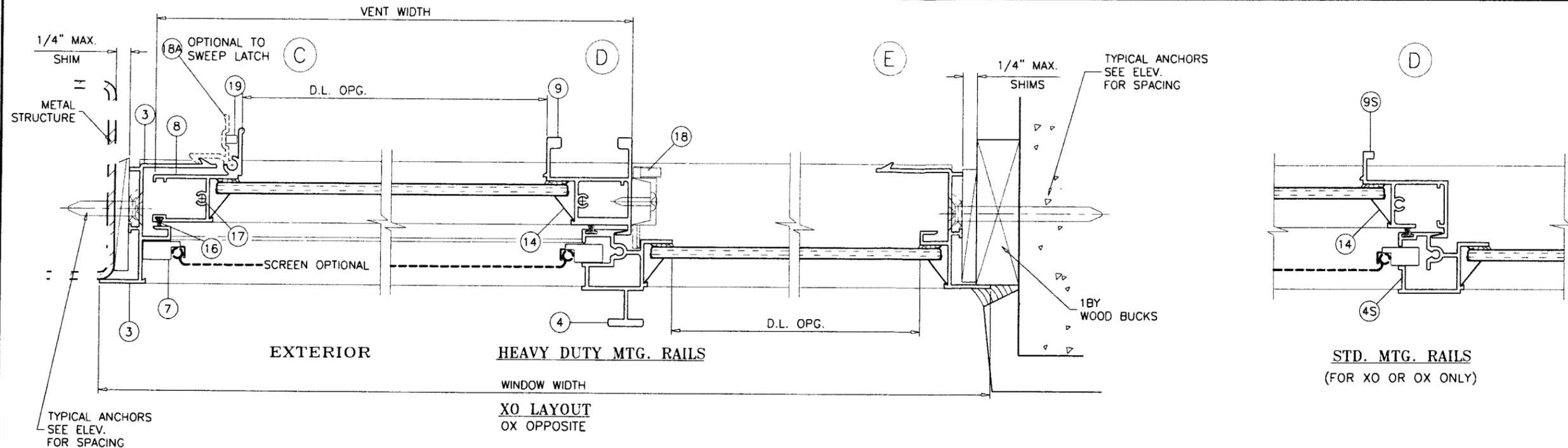
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Division

**AL-FAROOQ CORPORATION**  
ENGINEERS & PRODUCT DEVELOPMENT  
1235 S.W. 87 AVE  
MIAMI, FLORIDA 33174  
TEL. (305) 264-8100 FAX. (305) 262-6978  
COMP-ANL\W97-31CC

SERIES 400 ALUMINUM HORIZ. SLIDING WDW. (N.I.)  
**CURV-A-TECH CORPORATION**  
930 W. 23rd STREET  
HIALEAH, FL 33010  
TEL. (305) 888-9631 FAX. (305) 888-9969

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E	3.06.03		NO CHANGE THIS SHEET
F	6.11.03		ANCHOR NOTE ADDED
G	8.12.05		UPDATED FOR 2004 FBC
H	04.08.09		GENERAL REVISION

date: 10-06-97  
scale: 1/2" = 1"  
dr. by: HAMID  
chk. by:  
drawing no. **W97-31**  
sheet 3 of 6



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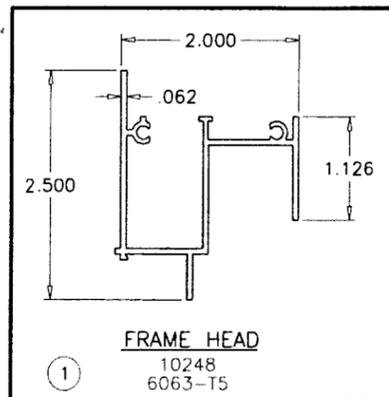
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Engr: DR. HUMAYGUN FAROOQ  
 STRUCTURES  
 FLA. PE # 16557  
 C.A.N. 3538

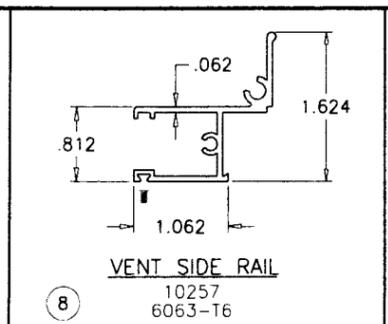
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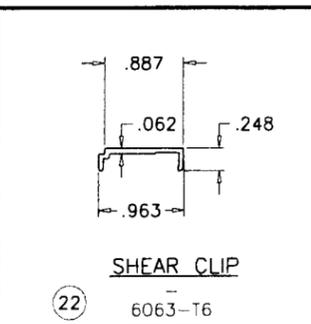
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**W97-31**  
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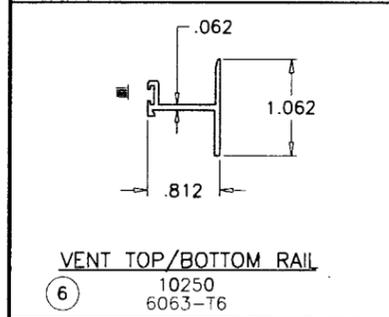
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FRAME HEAD  
10248  
6063-T5



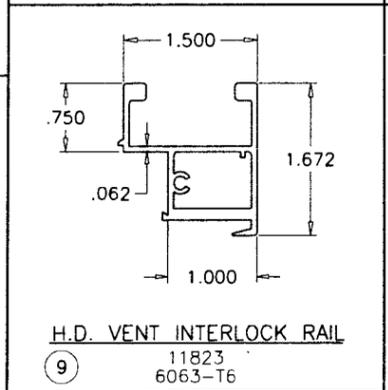
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VENT SIDE RAIL  
10257  
6063-T6



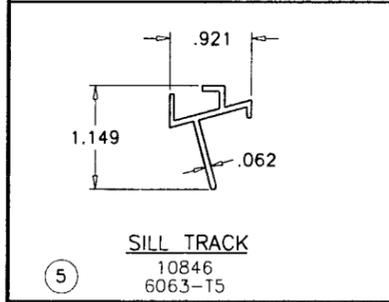
22  
SHEAR CLIP  
6063-T6



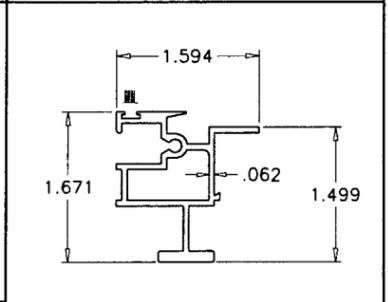
6  
VENT TOP/BOTTOM RAIL  
10250  
6063-T6



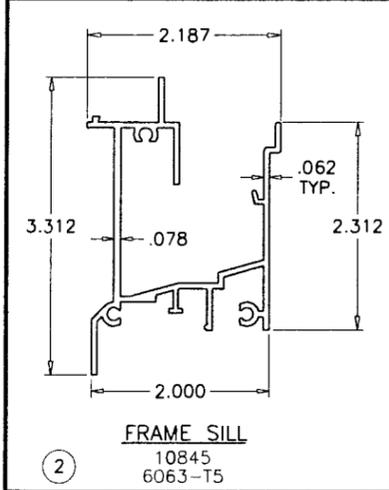
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H.D. VENT INTERLOCK RAIL  
11823  
6063-T6



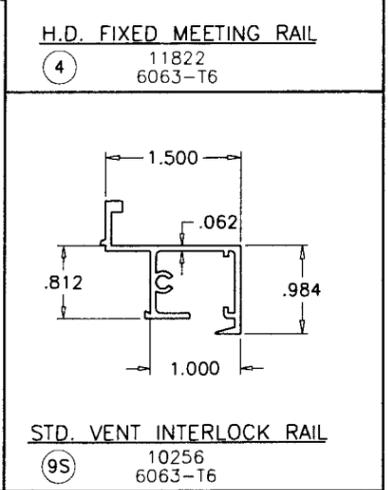
5  
SILL TRACK  
10846  
6063-T5



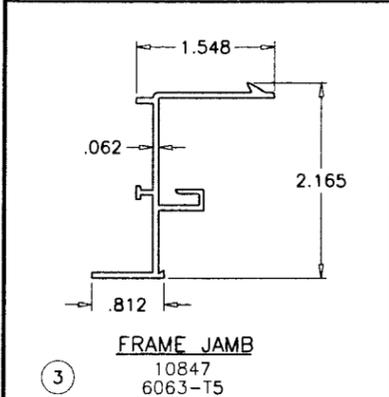
4  
H.D. FIXED MEETING RAIL  
11822  
6063-T6



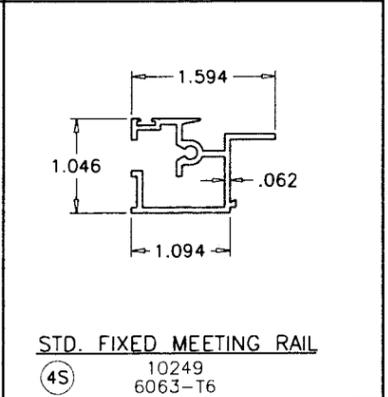
2  
FRAME SILL  
10845  
6063-T5



9S  
STD. VENT INTERLOCK RAIL  
10256  
6063-T6



3  
FRAME JAMB  
10847  
6063-T5



4S  
STD. FIXED MEETING RAIL  
10249  
6063-T6

ITEM	PART #	QUANTITY	DESCRIPTION	MATERIAL	MANF./SUPPLIER/REMARKS
1	10248	1	FRAME HEAD	6063-T5	-
2	10845	1	FRAME SILL	6063-T5	-
3	10847	2	FRAME JAMBS	6063-T5	-
4	11822	1/ VENT	H.D. FIXED MEETING RAIL	6063-T6	-
4S	10249	1/ VENT	STD. FIXED MEETING RAIL	6063-T6	-
5	10846	1	SILL TRACK	6063-T5	-
6	10250	2/ VENT	VENT TOP/BOTTOM RAIL	6063-T6	-
7	-	1/ VENT	5/16" BOX SCREEN	-	-
8	10257	2/ VENT	VENT SIDE RAIL	6063-T6	-
9	11823	1/ VENT	H.D. VENT INTERLOCK RAIL	6063-T6	-
9S	10256	1/ VENT	STD. VENT INTERLOCK RAIL	6063-T6	-
10	C-3055	4/ VENT	WHEEL HOUSING & GUIDE	NYLON	-
11	C-3056	2/ VENT	ROLLER PIN	ST. STEEL	-
12	C-3085	4/ VENT	VENT FACE GUIDE	NYLON	-
13	-	2/ WINDOW	WEEPHOLE HOUSING & FLAP	NYLON OR CELCON	-
14	-	AS REQD.	ROLL FORMED GLAZING BEAD	ALUMINUM	-
15	OSI HM-270	AS REQD.	GLAZING COMPOUND	SILICONE	-
16	7916-187	AS REQD.	FINSEAL WEATHER STRIP	-	-
17	#8 X 1"	AS REQD.	ASSEMBLY SCREWS	-	PHP SMS
18	-	2/ VENT	SWEEP LATCH	ZAMAK	AT 7-1/4" FROM EACH END
18A	10255	2/ VENT	ALUMINUM VENT LATCH	6063-T6	-
19	C-3081	4	LATCH SPRING CLIP	ST. STEEL	-
20	C-3057	3/ VENT	BRASS ROLLER	-	-
21	#8 X 3"	1/ VENT	FIX. RAIL BOTTOM SCREW	-	-
22	-	AS REQD.	SHEAR CLIP	6063-T6	2" LONG

Engr: DR. HUMA/OJH FAROOQ  
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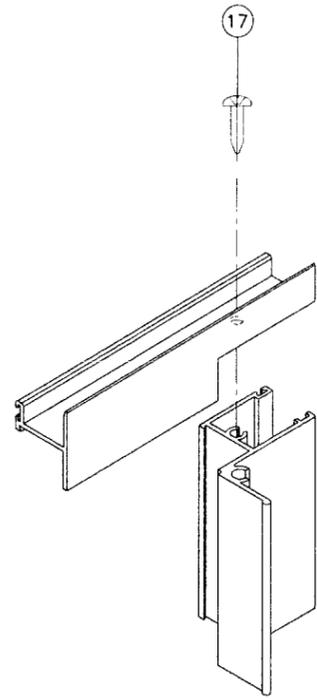
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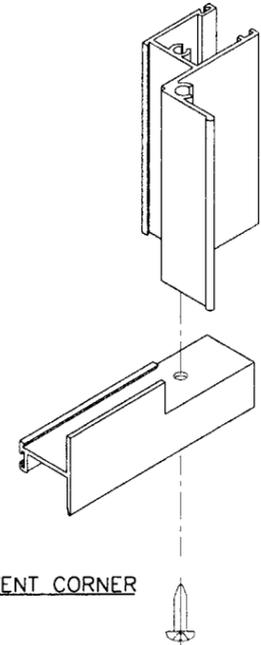
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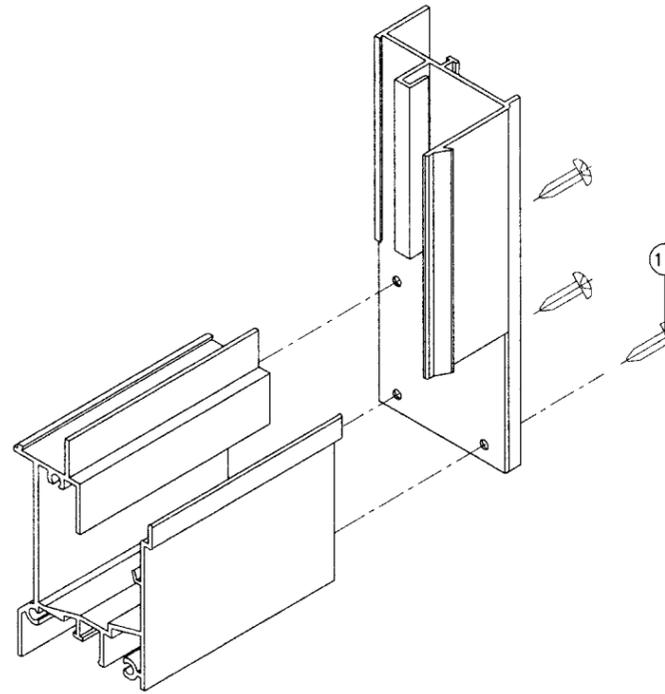
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sheet 5 of 6



VENT CORNER



FRAME TOP CORNER



FRAME BOTTOM CORNER

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