



**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)

**Curv-A-Tech Corporation
930 w. 23rd 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 High Velocity Hurricane Zone of the Florida Building Code.

DESCRIPTION: Series "400" Aluminum Horizontal Sliding Window

APPROVAL DOCUMENT: Drawing No. **W97-31**, titled "Series 400 Horiz. Sliding Window", sheets 1 through 4 of 4, prepared by Al Farooq, dated 10/6/97 with revision F dated 6/11/03, 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 NOA # **03-0320.14** 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 03-0807.06
Expiration Date: April 17, 2008
Approval Date: November 27, 2003
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 Horiz. Sliding Window", sheets 1 through 4 of 4, prepared by Al Farooq, dated 10/6/97 with revision F dated 6/11/03, signed and sealed by Humayoun Farooq, P.E.

B. TESTS

1. 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 03/15/03, signed and sealed by Joseph C. Chan, P.E.

Submitted under NOA# 00-0327.12

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) 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-1386**, dated July 11, 1996, reissued 07/25/96 and a revision letter dated July 15, 1998, all signed and sealed by Gilbert Diamond, P.E.

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 202-94along 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, reissued 07/25/96 and a revision letter dated July 15, 1998, all signed and sealed by Gilbert Diamond, P.E.

C. CALCULATIONS

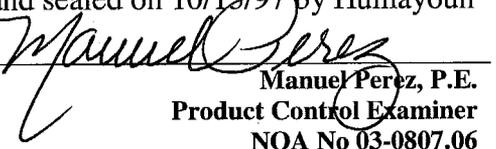
1. Anchor Calculations and comparative analysis, prepared by Al-Farooq Corporation, dated 6/9/03, signed and sealed by Dr. Humayoun Farooq, P.E.
Complies with ASTM E-1300

Submitted under NOA# 03-0320.14

2. Anchor Calculations and structural analysis and Comparative analysis prepared Al-Farooq Corporation, dated 1/25/03, signed and sealed by Humayoun Farooq, P.E.

Submitted under NOA# 00-0327.12

3. Anchor Calculations and structural analysis and Comparative analysis prepared Al-Farooq Corporation, dated 10/03/97, signed and sealed on 10/15/97 by Humayoun Farooq, P.E.


Manuel Perez, P.E.
Product Control Examiner
NOA No 03-0807.06

Expiration Date: April 17, 2008
Approval Date: November 27, 2003

Curv-A-Tech Corporation

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

D. QUALITY ASSURANCE

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

E. MATERIAL CERTIFICATIONS

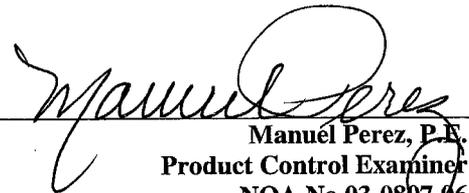
1. None

F. STATEMENTS

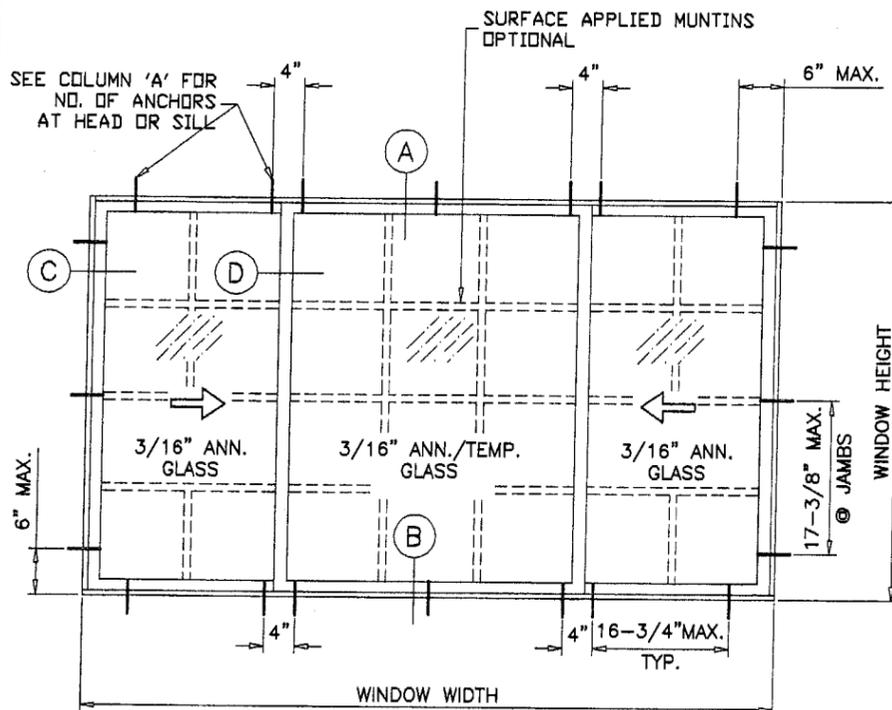
1. Statement letter of no financial interest, dated 6/9/03, signed by Humayoun Farooq, P.E.
2. Statement letter of conformance, dated 6/9/03, signed by Humayoun Farooq, P.E.
3. Laboratory compliance letter for Test Report No. **FTL-3802**, issued by Fenestration Testing Laboratory, Inc., dated 5/27/03, signed and sealed by Joseph Chan, P.E.

G. OTHER

1. Notice of Acceptance No. **03-0320.14**, issued to Curv-A-Tech Corporation, Series "400" Aluminum Horizontal Window, approved on 4/24/03 and expiring on 4/17/08.


Manuel Perez, P.E.
Product Control Examiner
NOA No 03-0807.06

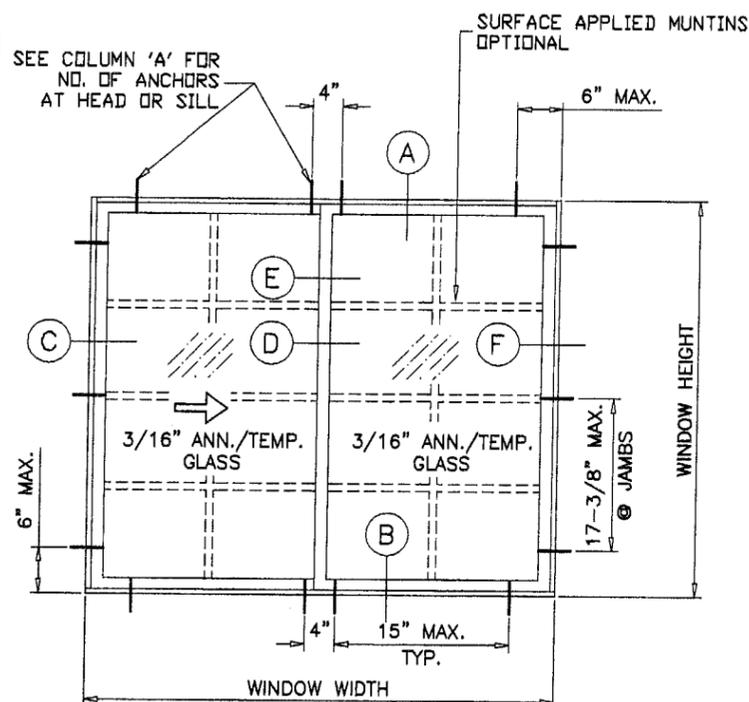
Expiration Date: April 17, 2008
Approval Date: November 27, 2003



TYPICAL ELEVATION

(XOX)

OPERATING VENTS TO BE ±1/4 THE WIDTH OF THE WINDOW



TYPICAL ELEVATION

(XO OR OX ONLY)

DESIGN LOAD CAPACITY - PSF						
HEAVY DUTY MEETING RAILS XOX SIZES ONLY						
WINDOW DIMS.		A	3/16" - ANN. GLASS		3/16" - TEMP. GLASS *	
WIDTH	HEIGHT		EXT. (+)	INT. (-)	EXT. (+)	INT. (-)
72"	24"	7	60.7	116.5	60.7	125.0
84"		8	60.7	99.2	60.7	125.0
96"		10	60.7	87.9	60.7	125.0
108"		10	60.7	83.2	60.7	125.0
120"		11	60.7	78.6	60.7	125.0
72"	36"	7	60.7	73.8	60.7	99.6
84"		8	60.7	64.0	60.7	97.5
96"		10	55.8	55.8	60.7	99.8
108"		10	47.6	47.6	60.7	88.5
120"		11	42.9	42.9	60.7	80.7
72"	48"	7	55.8	55.8	60.7	74.7
84"		8	50.4	50.4	60.7	73.1
96"		10	48.3	48.3	60.7	70.8
108"		10	43.1	43.1	60.7	65.1
120"		11	37.1	37.1	59.6	59.6
72"	60"	7	42.9	42.9	58.8	58.8
84"		8	42.6	42.6	53.3	53.3
96"		10	37.1	37.1	49.6	49.6
108"		10	34.4	34.4	47.0	47.0
120"		11	32.0	32.0	45.0	45.0
74"	26"	7	60.7	100.5	60.7	125.0
106-1/4"		10	60.7	70.1	60.7	125.0
74"	38-3/8"	7	60.7	68.2	60.7	90.9
106-1/4"		10	48.7	48.7	60.7	84.5
74"	50-5/8"	7	52.2	52.2	60.7	68.9
106-1/4"		10	41.1	41.1	60.7	62.6
74"	63"	7	40.1	40.1	51.1	51.1
106-1/4"		10	33.4	33.4	40.0	40.0

A = ANCHORS PER HEAD & SILL
* TEMP. GLASS REQD. AT FIXED LITE ONLY

**SERIES-400 ALUMINUM HORIZ. ROLLING WINDOWS
COMPARATIVE ANALYSIS CHART**

BASED ON FTL-1386 DATED 7-7-96
TEST SIZE = 118" X 60" (XOX)
TEST LOADS = +67.5, -67.5 PSF
DESIGN LOADS = +45.0, -45.0 PSF
WATER INFILTRATION TEST = 9.1 PSF
TESTED GLASS = 3/16" - ANNEALED
H.D. MEETING RAILS

BASED ON FTL-1364 DATED 2-1-96
TEST SIZE = 72" X 48" (XO)
TEST LOADS = +91.0, -91.0 PSF
DESIGN LOADS = +60.7, -60.7 PSF
WATER INFILTRATION TEST = 9.1 PSF
TESTED GLASS = 3/16" - ANNEALED
STANDARD MEETING RAILS

BASED ON FTL-3802 DATED 5-15-03
TEST SIZE = 74" X 63" (XO)
DESIGN LOADS = +60.7, -65.0 PSF
TESTED GLASS = 3/16" - TEMPERED
H.D. MEETING RAILS

NOTES:

- THIS PRODUCT IS DESIGNED TO COMPLY WITH THE HIGH VELOCITY HURRICANE ZONE OF THE 2001 FLORIDA BUILDING CODE. ALSO FOR WIND LOADS AS PER ASCE 7-88, ASCE 7-93, ASCE 7-95 OR ASCE 7-98 AS REQUIRED BY PREVAILING 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.

DESIGN LOAD CAPACITY - PSF										
WINDOW DIMS.			STD. MEETING RAILS XO OR OX SIZES ONLY				H. D. MEETING RAILS XO OR OX SIZES ONLY			
		A	3/16" - ANN. GLASS		3/16" - TEMP. GLASS **		3/16" - ANN. GLASS		3/16" - TEMP. GLASS **	
WIDTH	HEIGHT		EXT. (+)	INT. (-)	EXT. (+)	INT. (-)	EXT. (+)	INT. (-)	EXT. (+)	INT. (-)
24"	24"	4	60.7	125.0	60.7	125.0	60.7	125.0	60.7	125.0
36"		4	60.7	125.0	60.7	125.0	60.7	125.0	60.7	125.0
48"		6	60.7	125.0	60.7	125.0	60.7	125.0	60.7	125.0
60"		6	60.7	125.0	60.7	125.0	60.7	125.0	60.7	125.0
72"		6	60.7	110.1	60.7	110.1	60.7	125.0	60.7	125.0
24"	36"	4	60.7	125.0	60.7	125.0	60.7	125.0	60.7	125.0
36"		4	60.7	113.8	60.7	113.8	60.7	125.0	60.7	125.0
48"		6	60.7	102.6	60.7	102.6	60.7	125.0	60.7	125.0
60"		6	60.7	82.3	60.7	82.3	60.7	125.0	60.7	125.0
72"		6	60.7	70.5	60.7	70.5	60.7	125.0	60.7	125.0
24"	48"	4	60.7	125.0	60.7	125.0	60.7	125.0	60.7	125.0
36"		4	60.7	85.3	60.7	85.3	60.7	125.0	60.7	125.0
48"		6	60.7	74.8	60.7	74.8	60.7	123.9	60.7	123.9
60"		6	60.7	60.7	60.7	60.7	60.7	108.1	60.7	108.1
72"		6	54.3	54.3	54.3	54.3	60.7	96.5	60.7	96.5
24"	60"	4	60.7	74.4	60.7	102.4	60.7	125.0	60.7	125.0
36"		4	50.6	50.6	60.7	68.3	60.7	102.9	60.7	102.9
48"		6	39.0	39.0	60.7	62.0	60.7	92.9	60.7	92.9
60"		6	X	X	45.5	45.5	60.7	79.3	60.7	79.3
72"		6	X	X	41.8	41.8	60.7	70.8	60.7	70.8
26-1/2"	26"	4	60.7	125.0	60.7	125.0	60.7	125.0	60.7	125.0
37"		4	60.7	125.0	60.7	125.0	60.7	125.0	60.7	125.0
53-1/8"		6	60.7	125.0	60.7	125.0	60.7	125.0	60.7	125.0
74"	6	60.7	95.6	60.7	95.6	60.7	125.0	60.7	125.0	
26-1/2"	38-3/8"	4	60.7	125.0	60.7	125.0	60.7	125.0	60.7	125.0
37"		4	60.7	103.9	60.7	103.9	60.7	125.0	60.7	125.0
53-1/8"		6	60.7	86.3	60.7	86.3	60.7	125.0	60.7	125.0
74"	6	60.7	65.6	60.7	65.6	60.7	117.4	60.7	117.4	
26-1/2"	50-5/8"	4	60.7	109.9	60.7	109.9	60.7	125.0	60.7	125.0
37"		4	60.7	78.7	60.7	78.7	60.7	118.7	60.7	118.7
53-1/8"		6	60.7	61.7	60.7	63.8	60.7	107.9	60.7	107.9
74"	6	49.7	49.7	50.8	50.8	60.7	89.0	60.7	89.0	
26-1/2"	63"	4	58.3	58.3	60.7	88.3	60.7	125.0	60.7	125.0
37"		4	42.4	42.4	60.7	63.3	60.7	95.4	60.7	95.4
53-1/8"		6	30.7	30.7	49.8	49.8	60.7	81.0	60.7	81.0
74"	6	X	X	39.0	39.0	60.7	65.0	60.7	65.0	

A = ANCHORS PER HEAD & SILL

** TEMP. GLASS AT BOTH LITES.

SEE ANCHOR NOTE FOR WINDOWS WITH TEMPERED GLASS ON SHEET 2.

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

JUN 13 2003

PRODUCT REVISED
as complying with the Florida
Building Code
Acceptance No. 03-0807.06
Expiration Date APRIL 17, 2008
By: *Manuel Jara*
Miami Dade Product Control
Division

AL-FAROQ CORPORATION
ENGINEERS, PLANNERS & PRODUCT DESIGN
1235 SW 87 AVE
MIAMI, FLORIDA 33174
TEL (305) 264-8100 FAX (305) 282-6978

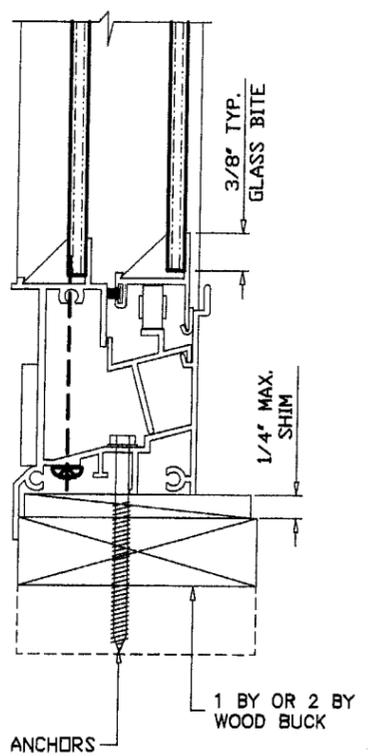
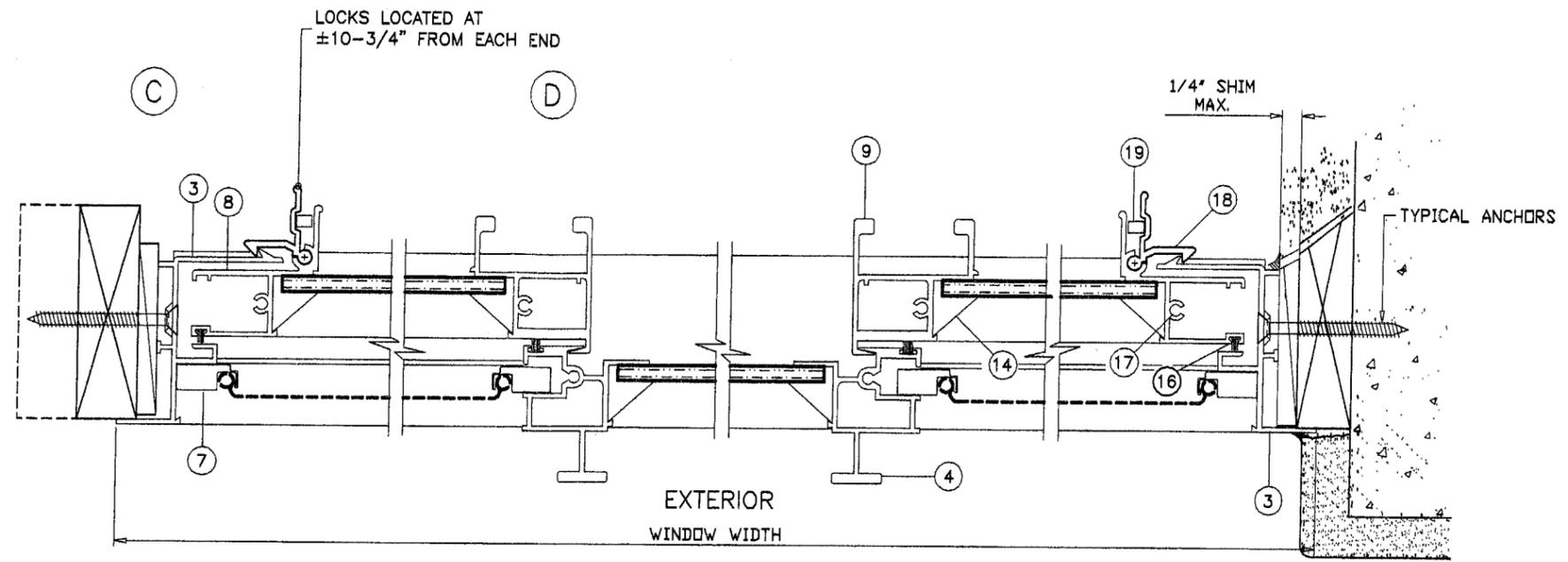
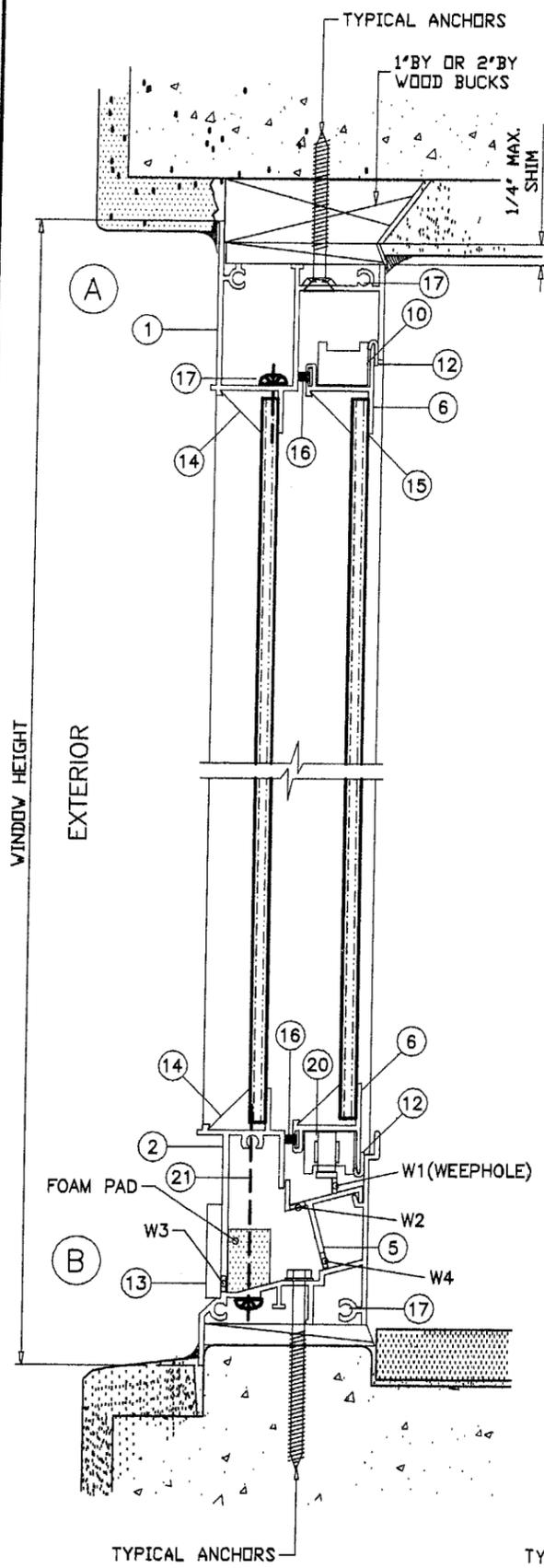
CURV-A-TECH CORPORATION
SERIES 400 HORIZ. SLIDING WINDOW
930 W. 23rd STREET
HIALEAH, FL 33010
TEL (305) 888-9631 FAX (305) 888-9969

no.	date	description
B	7.15.98	LOAD TABLE REVISED
C	8.24.98	WEEP NOTCHES REVISED
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.

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

drawing no.
W97-31
sheet 1 of 4

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



- TYPICAL ANCHORS:**
- A. INTO 2" BY WOOD BUCKS
3/16" DIA. TAPCONS WITH 1-3/8" MIN. PENETRATION INTO WOOD
 - B. INTO 1" BY WOOD BUCKS OR INTO MASONRY
3/16" DIA. TAPCONS WITH 1-1/4" MIN. EMBED INTO MASONRY

NOTE:
WINDOWS OF CONFIGURATION XO OR OX GLAZED WITH 3/16" TEMP. GLASS SHALL USE 1/4" DIA. TAPCONS AT FRAME HEAD ONLY.
ANCHORS AT JAMBS AND SILL MAY BE 3/16" DIA. FOR ALL CASES.

GLAZING METHOD:
EXTERIOR GLAZED, 3/8" TYP. GLASS BITE, USING SILICONE BEDDING COMPOUND NO. OSI HM-270 AND ROLL FORMED ALUMINUM BEAD.

SEALANTS:
ALL FRAME CORNERS, FIXED MEETING RAIL AT EACH END, INSTALLATION SCREWS IN SILL AND JAMBS SEALED WITH ALUM 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
 - 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)

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

[Signature]

JUN 13 2003

PRODUCT REVISED
as complying with the Florida Building Code
Acceptance No. **03-0807.06**
Expiration Date **APRIL 17, 2008**

By *[Signature]*
Miami Dade Product Control Division

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

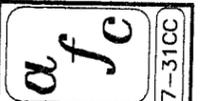
CURV-A-TECH CORPORATION
930 W. 23rd STREET
HIALEAH, FL 33010
TEL (305) 888-9631 FAX (305) 888-9969

SERIES 400 HORIZ. SLIDING WINDOW

no	date	description
D	1.14.03	NO CHANGE THIS SHEET
E	3.06.03	NO CHANGE THIS SHEET
F	6.11.03	ANCHOR NOTE ADDED

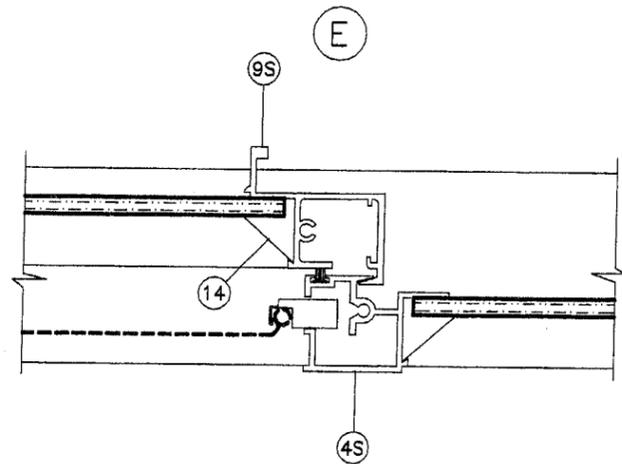
date: 10-06-97
scale: 1/2" = 1"
dr. by: HAMID
chk. by:

drawing no. **W97-31**
sheet 2 of 4

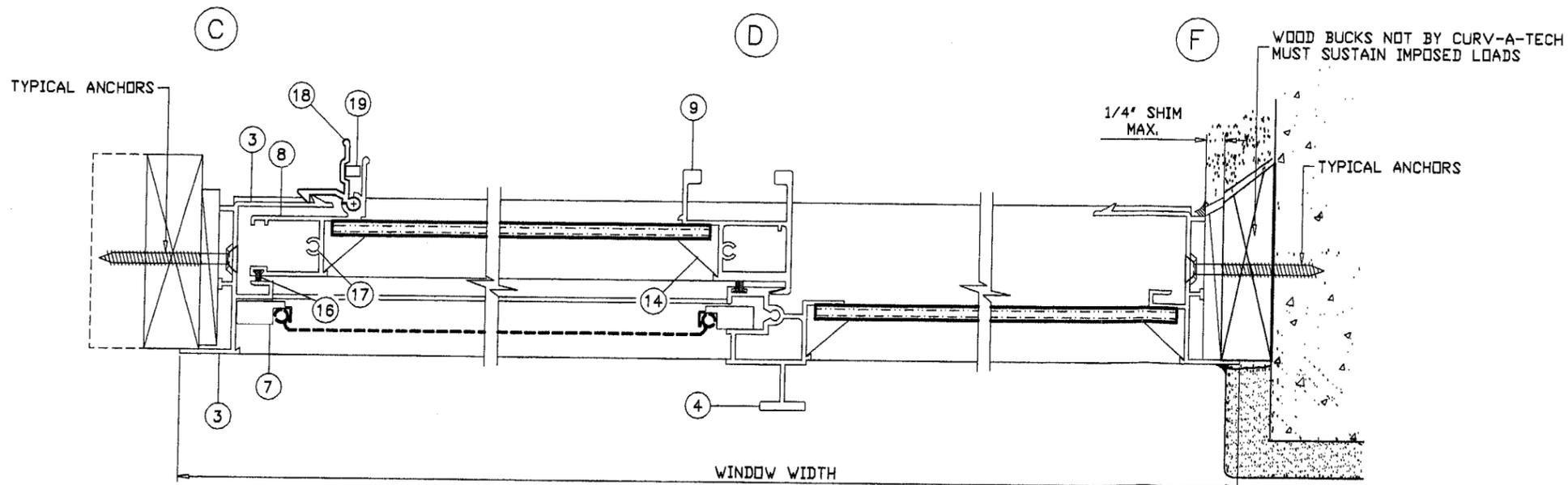


COMP-ANL W97-31CC

ITEM #	PART #	REQD.	DESCRIPTION	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	3/16" BOX SCREEN	OPTIONAL
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	STAINLESS STEEL
12	C-3085	4/ VENT	VENT FACE GUIDE	NYLON
13	-	2/ WINDOW	WEEPHOLE HOUSING & FLAP	NYLON OR CELCON
14	-	AS REQD.	ALUM GLAZING BEAD	ROLL FORMED ALUMINUM
15	-	AS REQD.	SILICONE GLAZING COMPOUND	DSI HM-270
16	7916-187	AS REQD.	FINSEAL WEATHER STRIP	
17	-	AS REQD.	# 8 X 1" SMSPHP SCREWS	ASSEMBLY SCREWS
18	10255	4	ALUMINUM VENT LATCH	6063-T6
19	C-3081	4	LATCH SPRING CLIP	STAINLESS STEEL
20	C-3057	2/ VENT	BRASS ROLLER	
21	-	1/ VENT	# 8 X 2-1/2" SMS	FIXED RAIL BOTTOM SCREW



STD. MTG. RAILS
(FOR XO OR OX ONLY)



HEAVY DUTY MTG. RAILS
XO LAYOUT
OX OPPOSITE

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

JUN 13 2003

PRODUCT REVISED
as complying with the Florida
Building Code
Acceptance No. 03-0807.06
Expiration Date APRIL 17, 2008

By: *Manuel Perez*
Miami Dade Product Control
Division

afc

AL-FAROOQ CORPORATION
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1235 SW 87 AVE
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SERIES 400 HORIZ. SLIDING WINDOW

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

revisions:

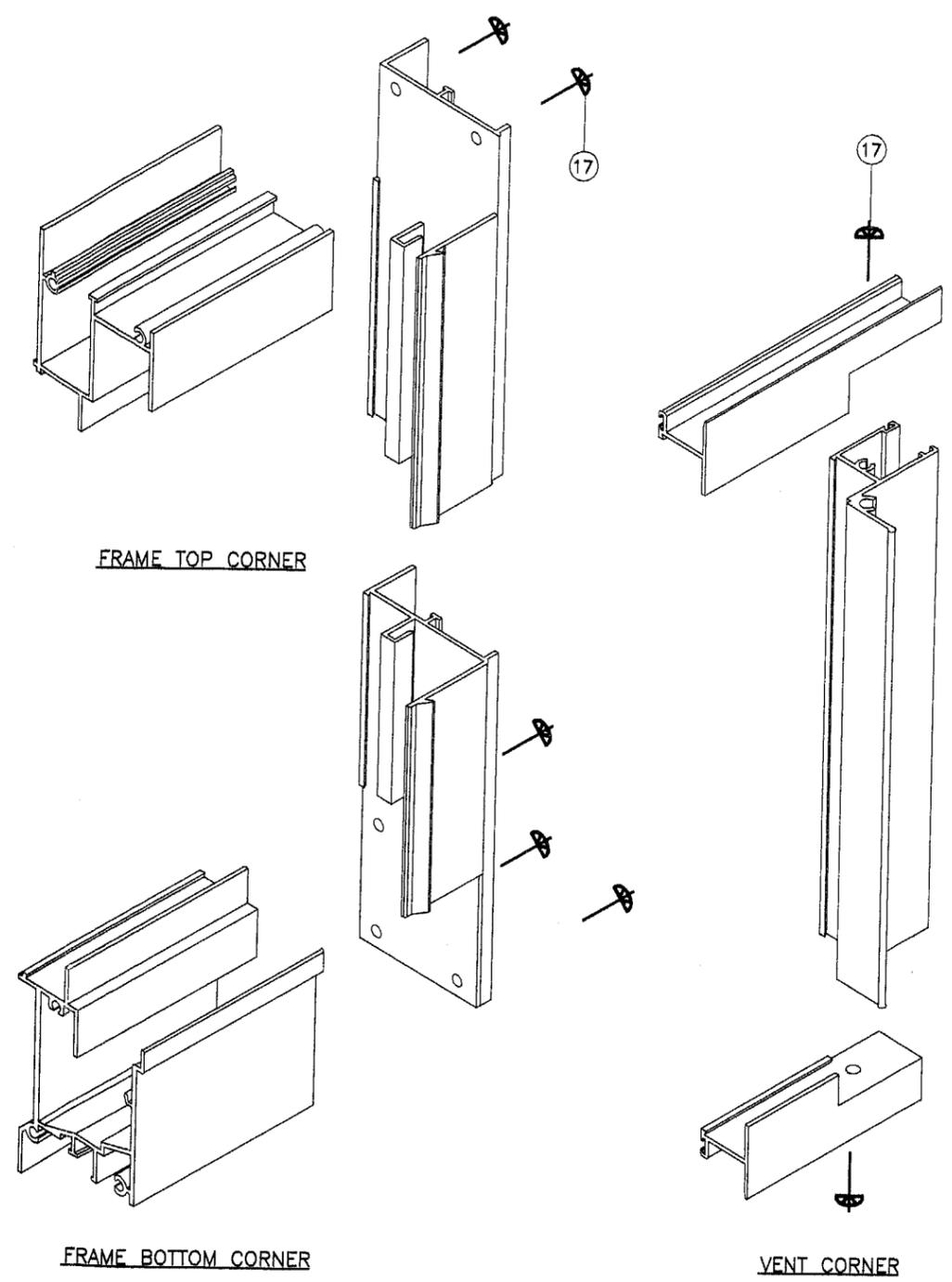
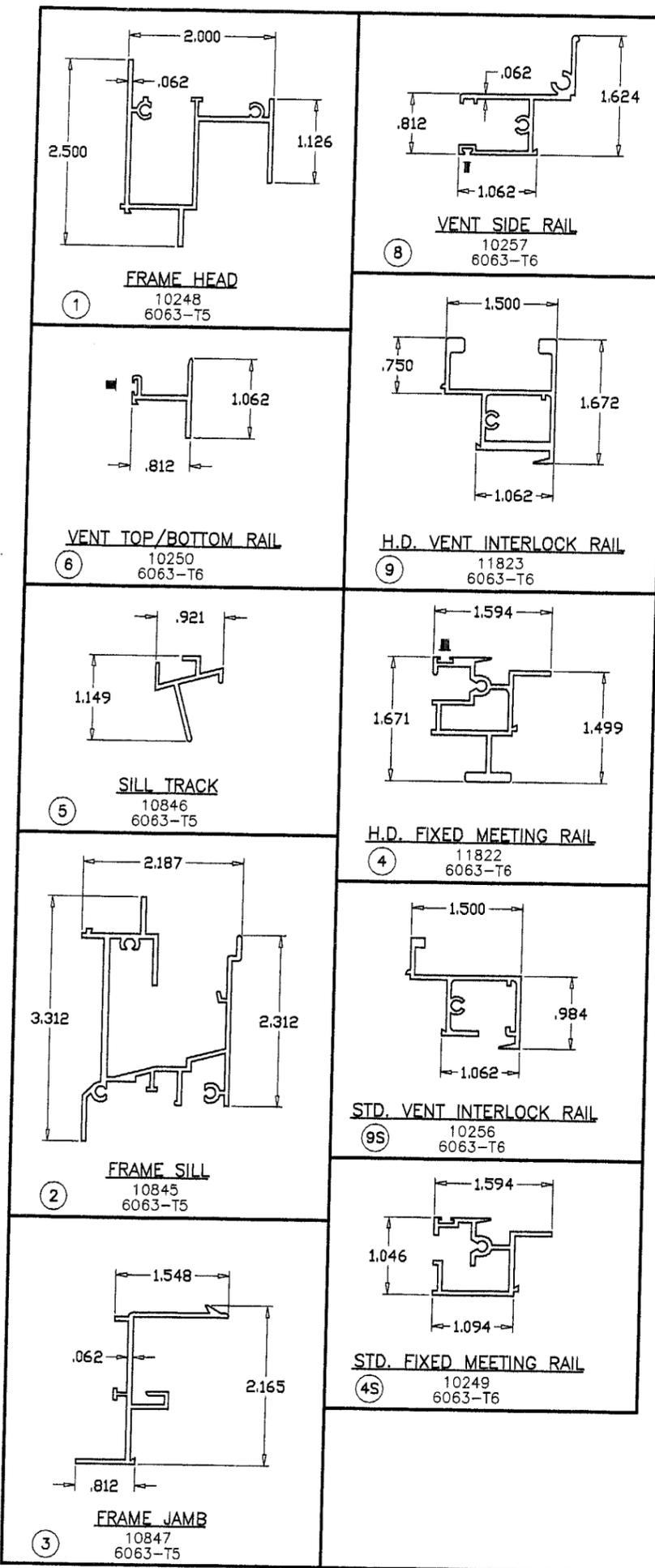
no	date	by	description
D	1.14.03		NO CHANGE THIS SHEET
E	3.06.03		NO CHANGE THIS SHEET
F	6.11.03		NO CHANGE THIS SHEET

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

drawing no.
W97-31

sheet 3 of 4

COMP-ANL\W97-31CC



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

JUN 13 2003

PRODUCT REVISED
as complying with the Florida
Building Code
Acceptance No. 03-0807.06
Expiration Date APRIL 17, 2008

By *Manuel Perez*
Miami Dade Product Control
Division

afsc

AL-FAROOQ CORPORATION
ENGINEERS, PLANNERS & PRODUCT DESIGN
1235 SW 87 AVE
MIAMI, FLORIDA 33174
TEL. (305) 264-8100 FAX. (305) 262-6978
COMP-ANL W97-31CC

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

no	date	by	description
D	1.14.03		NO CHANGE THIS SHEET
E	3.06.03		NO CHANGE THIS SHEET
F	6.11.03		ITEM NUMBERS ADDED

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

drawing no. **W97-31**
sheet 4 of 4