



MIAMI-DADE COUNTY, FLORIDA
METRO-DADE FLAGLER BUILDING

BUILDING CODE COMPLIANCE OFFICE
METRO-DADE FLAGLER BUILDING
140 WEST FLAGLER STREET, SUITE 1603
MIAMI, FLORIDA 33130-1563
(305) 375-2901 FAX (305) 375-2908

PRODUCT CONTROL NOTICE OF ACCEPTANCE

Curv-A-Tech Corporation
930 W. 23 Street
Hialeah FL 33010

CONTRACTOR LICENSING SECTION
(305) 375-2527 FAX (305) 375-2558

CONTRACTOR ENFORCEMENT SECTION
(305) 375-2966 FAX (305) 375-2908

PRODUCT CONTROL DIVISION
(305) 375-2902 FAX (305) 372-6339

Your application for Product Approval of:

Series 400 Aluminum Horizontal Sliding Window

under Chapter 8 of the Code of Miami-Dade County governing the use of Alternate Materials and Types of Construction, and completely described herein, has been recommended for acceptance by the Miami-Dade County Building Code Compliance Office (BCCO) under the conditions specified herein.

This approval shall not be valid after the expiration date stated below. BCCO reserves the right to secure this product or material at anytime from a jobsite or manufacturer's plant for quality control testing.

If this product or material fails to perform in the approved manner, BCCO may revoke, modify, or suspend the use of such product or material immediately. BCCO reserves the right to revoke this approval, if it is determined BCCO that this product or material fails to meet the requirements of the South Florida Building Code.

The expense of such testing will be incurred by the manufacturer.

Acceptance No.: 00-0327.12

Expires: 04/17/2003

Raul Rodriguez
Chief Product Control Division

THIS IS THE COVERSHEET, SEE ADDITIONAL PAGES FOR SPECIFIC AND GENERAL CONDITIONS

BUILDING CODE & PRODUCT REVIEW COMMITTEE

This application for Product Approval has been reviewed by the BCCO and approved by the Building Code and Product Review Committee to be used in Dade County, Florida under the conditions set forth above.

Francisco J. Quintana, R.A.
Director

Miami-Dade County
Building Code Compliance Office

Approved: 06/02/2000



Curv-A-Tech Corporation

ACCEPTANCE No.: 00-0327.12

APPROVED : JUN 02 2000

EXPIRES : April 17, 2003

NOTICE OF ACCEPTANCE: SPECIFIC CONDITIONS

1. SCOPE

- 1.1** This **renews** Notice of Acceptance No. 97-1105.04, which was issued on August 27, 1998. It approves an aluminum horizontal sliding window, as described in Section 2 of this Notice of Acceptance, designed to comply with the South Florida Building Code (SFBC), 1994 Edition for Miami-Dade County, for the locations where the pressure requirements, as determined by SFBC Chapter 23, do not exceed the Design Pressure Rating values indicated in the approved drawings.

2. PRODUCT DESCRIPTION

- 2.1** The **Series 400 Aluminum Horizontal Sliding Window** and its components shall be constructed in strict compliance with the following documents: Drawing No **W97-31**, titled "Series 400 Horizontal Sliding Window" Sheets 1 through 4 of 4 dated 10/06/97, with revision C dated 8/24/98, signed and sealed by Humayoun Farooq, bearing the Miami-Dade County Product Control approval stamp with the Notice of Acceptance number and approval date by the Miami-Dade County Product Control Division. These documents shall hereinafter be referred to as the approved drawings.

3. LIMITATIONS

- 3.1** This approval applies to single unit applications as shown in approved drawings.

4. INSTALLATION

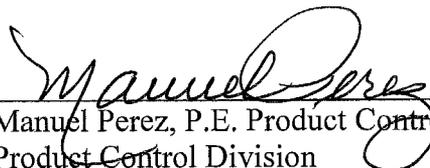
- 4.1** The aluminum horizontal sliding window and its components shall be installed in strict compliance with the approved drawings.
- 4.2** Hurricane protection system (shutters): the installation of this unit **will require** a hurricane protection system.

5. LABELING

- 5.1** 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".

6. BUILDING PERMIT REQUIREMENTS

- 6.1** Application for building permit shall be accompanied by copies of the following:
- 6.1.1** This Notice of Acceptance
- 6.1.2** Duplicate copies of the approved drawings, as identified in Section 2 of this Notice of Acceptance, clearly marked to show the components selected for the proposed installation.
- 6.1.3** Any other documents required by the Building Official or the South Florida Building Code (SFBC) in order to properly evaluate the installation of this system


Manuel Perez, P.E. Product Control Examiner
Product Control Division

Curv-A-Tech Corporation

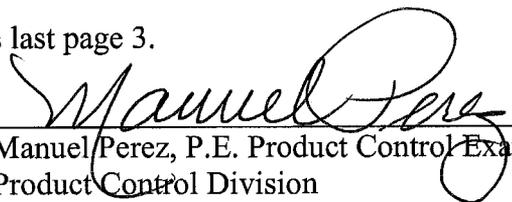
ACCEPTANCE No.: 00-0327.12

APPROVED : JUN 02 2000

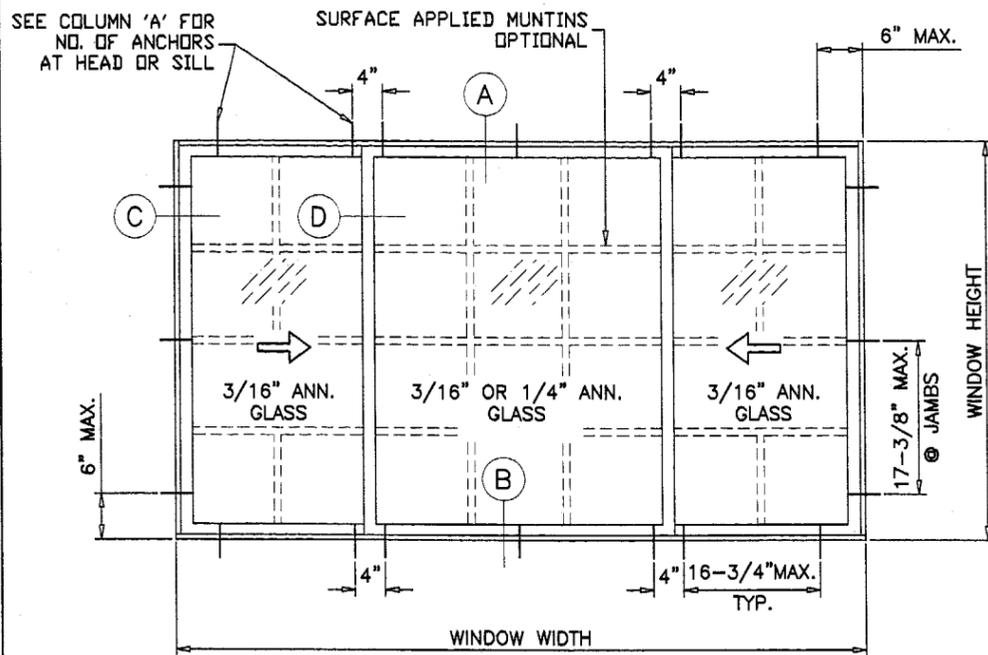
EXPIRES : April 17, 2003

NOTICE OF ACCEPTANCE: STANDARD CONDITIONS

1. Renewal of this Acceptance (approval) shall be considered after a renewal application has been filed and the original submitted documentation, including test supporting data, engineering documents, are no older than eight (8) years.
2. Any and all approved products shall be permanently labeled with the manufacturer's name, city, state, and the following statement: "Miami-Dade County Product Control Approved", or as specifically stated in the specific conditions of this Acceptance.
3. Renewals of Acceptance will not be considered if:
 - a) There has been a change in the South Florida Building Code affecting the evaluation of this product and the product is not in compliance with the code changes;
 - b) The product is no longer the same product (identical) as the one originally approved;
 - c) If the Acceptance holder has not complied with all the requirements of this acceptance, including the correct installation of the product;
 - d) The engineer who originally prepared, signed and sealed the required documentation initially submitted is no longer practicing the engineering profession.
4. Any revision or change in the materials, use, and/or manufacture of the product or process shall automatically be cause for termination of this Acceptance, unless prior written approval has been requested (through the filing of a revision application with appropriate fee) and granted by this office.
5. Any of the following shall also be grounds for removal of this Acceptance:
 - a) Unsatisfactory performance of this product or process.
 - b) Misuse of this Acceptance as an endorsement of any product, for sales, advertising or any other purpose.
6. The Notice of Acceptance 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 Notice of Acceptance is displayed, then it shall be done in its entirety.
7. A copy of this Acceptance as well as approved drawings and other documents, where it applies, shall be provided to the user by the manufacturer or its distributors and shall be available for inspection at the job site at all time. The engineer need not reseal the copies.
8. Failure to comply with any section of this Acceptance shall be cause for termination and removal of Acceptance.
9. This Notice of Acceptance consists of pages 1, 2 and this last page 3.


Manuel Perez, P.E. Product Control Examiner
Product Control Division

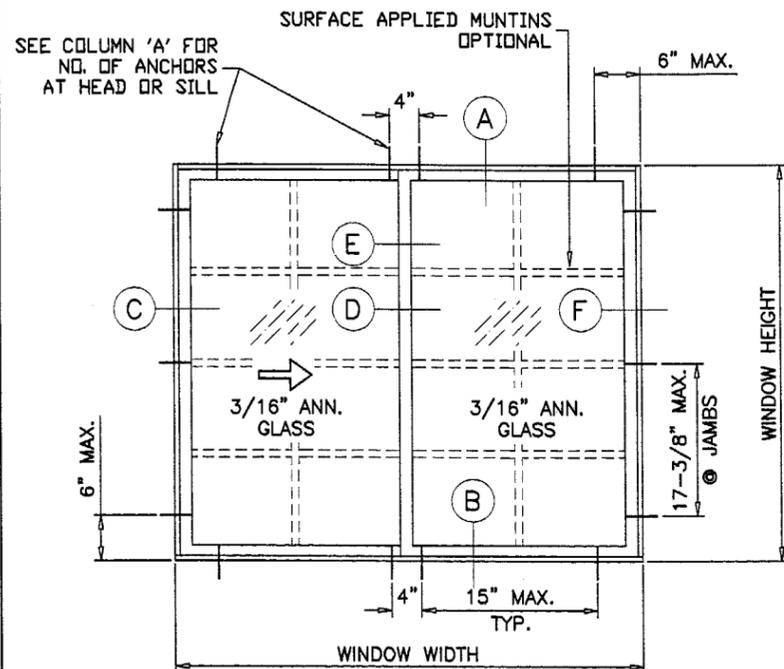
END OF THIS ACCEPTANCE



TYPICAL ELEVATION

(XOX)

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



TYPICAL ELEVATION

(XO OR OX ONLY)

NOTES:

1. THIS STRUCTURE IS DESIGNED AS PER THE SOUTH FLORIDA BUILDING CODE 1994 EDITION FOR DADE COUNTY, ALSO FOR WIND LOADS AS PER ASCE 7-88 USING CORRESPONDING LOADS.
2. WOOD BUCKS BY OTHERS, MUST BE ANCHORED PROPERLY TO TRANSFER LOADS TO THE STRUCTURE.
3. 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						
HEAVY DUTY MEETING RAILS						
XOX SIZES ONLY						
WINDOW DIMS.		A	3/16"-ANN. GLASS		1/4"-ANN. GLASS *	
WIDTH	HEIGHT		EXT.	INT.	EXT.	INT.
72'	24'	7	60.7	121.0	-	-
84'		8	60.7	121.0	-	-
96'		10	60.7	121.0	-	-
108'		10	60.7	110.8	-	-
120'		11	60.7	99.0	-	-
72'	36'	7	60.7	99.6	-	-
84'		8	60.7	85.3	-	-
96'		10	60.7	76.7	60.7	85.3
108'		10	60.7	67.6	60.7	94.8
120'		11	60.4	60.4	60.7	85.3
72'	48'	7	60.7	74.7	-	-
84'		8	60.7	63.9	60.7	64.0
96'		10	55.2	55.2	60.7	64.0
108'		10	48.6	48.6	60.7	68.5
120'		11	43.4	43.4	60.7	64.0
72'	60'	7	58.8	58.8	-	-
84'		8	49.8	49.8	53.3	51.2
96'		10	43.1	43.1	49.6	49.6
108'		10	-	-	47.0	47.0
120'		11	-	-	45.0	45.0
74'	26'	7	60.7	121.0	-	-
106-1/4'		10	60.7	101.9	60.7	133.4
74'	38-3/8'	7	60.7	90.9	-	-
106-1/4'		10	60.7	63.8	60.7	90.4
74'	50-5/8'	7	60.7	68.9	-	-
106-1/4'		10	46.6	46.6	60.7	68.2
74'	63'	7	51.1	51.1	-	-
106-1/4'		10	-	-	40.0	40.0

A = ANCHORS PER HEAD & SILL
 * 1/4" 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

DESIGN LOAD CAPACITY - PSF						
STD. MEETING RAILS						
XO OR OX SIZES ONLY						
WINDOW DIMS.		A	3/16"-ANN. GLASS		H. D. MEETING RAILS	
WIDTH	HEIGHT		EXT.	INT.	EXT.	INT.
24'	24'	4	60.7	121.0	60.7	179.0
36'		4	60.7	121.0	60.7	170.7
48'		6	60.7	121.0	60.7	179.0
60'		6	60.7	121.0	60.7	153.6
72'		6	60.7	121.0	60.7	128.0
24'	36'	4	60.7	121.0	60.7	170.7
36'		4	60.7	113.8	60.7	113.8
48'		6	60.7	113.7	60.7	123.9
60'		6	60.7	102.4	60.7	102.4
72'		6	60.7	85.3	60.7	85.3
24'	48'	4	60.7	121.0	60.7	128.0
36'		4	60.7	85.3	60.7	85.3
48'		6	60.7	75.8	60.7	82.6
60'		6	60.7	66.2	60.7	72.1
72'		6	60.7	60.7	60.7	64.0
24'	60'	4	60.7	74.3	60.7	102.4
36'		4	50.5	50.5	60.7	68.3
48'		6	-	-	60.7	62.0
60'		6	-	-	52.9	52.9
72'		6	-	-	47.2	47.2
26-1/2'	26'	4	60.7	121.0	60.7	179.0
37'		4	60.7	121.0	60.7	153.3
53-1/8'		6	60.7	121.0	60.7	160.1
74'		6	60.7	115.0	60.7	115.0
26-1/2'	38-3/8'	4	60.7	121.0	60.7	145.0
37'		4	60.7	103.9	60.7	103.9
53-1/8'		6	60.7	98.3	60.7	107.1
74'		6	60.7	77.9	60.7	77.9
26-1/2'	50-5/8'	4	60.7	109.9	60.7	109.9
37'		4	60.7	78.7	60.7	78.7
53-1/8'		6	60.7	61.6	60.7	72.0
74'		6	-	-	60.1	59.0
26-1/2'	63'	4	58.2	58.2	60.7	88.3
37'		4	42.4	42.4	60.7	63.3
53-1/8'		6	-	-	51.6	51.6
74'		6	-	-	39.8	39.8

A = ANCHORS PER HEAD & SILL

Engr: DR. HUMAYOUN FAROOQ
 STRUCTURES
 FLA. PE # 16557

FEB 16 2001

APPROVED AS COMPLYING WITH THE
 SOUTH FLORIDA BUILDING CODE
 DATE June 02, 2000
 BY Manuel
 PRODUCT CONTROL DIVISION
 BUILDING CODE COMPLIANCE OFFICE
 ACCEPTANCE NO. 00-0327-12

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

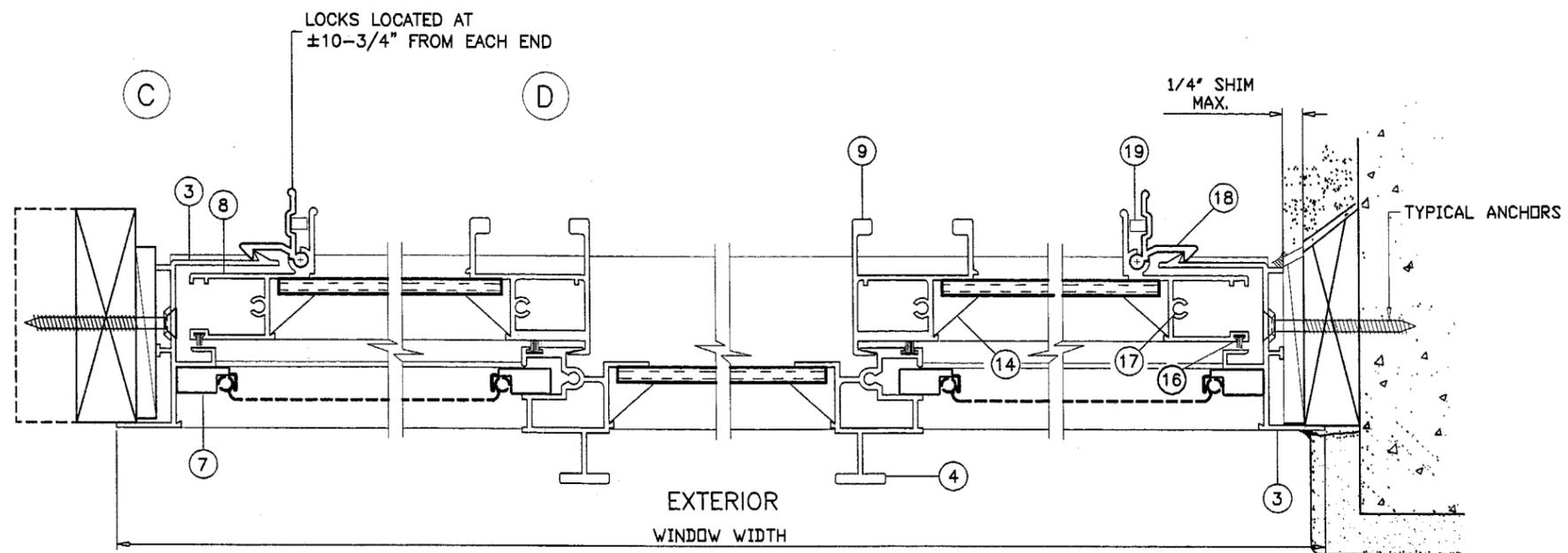
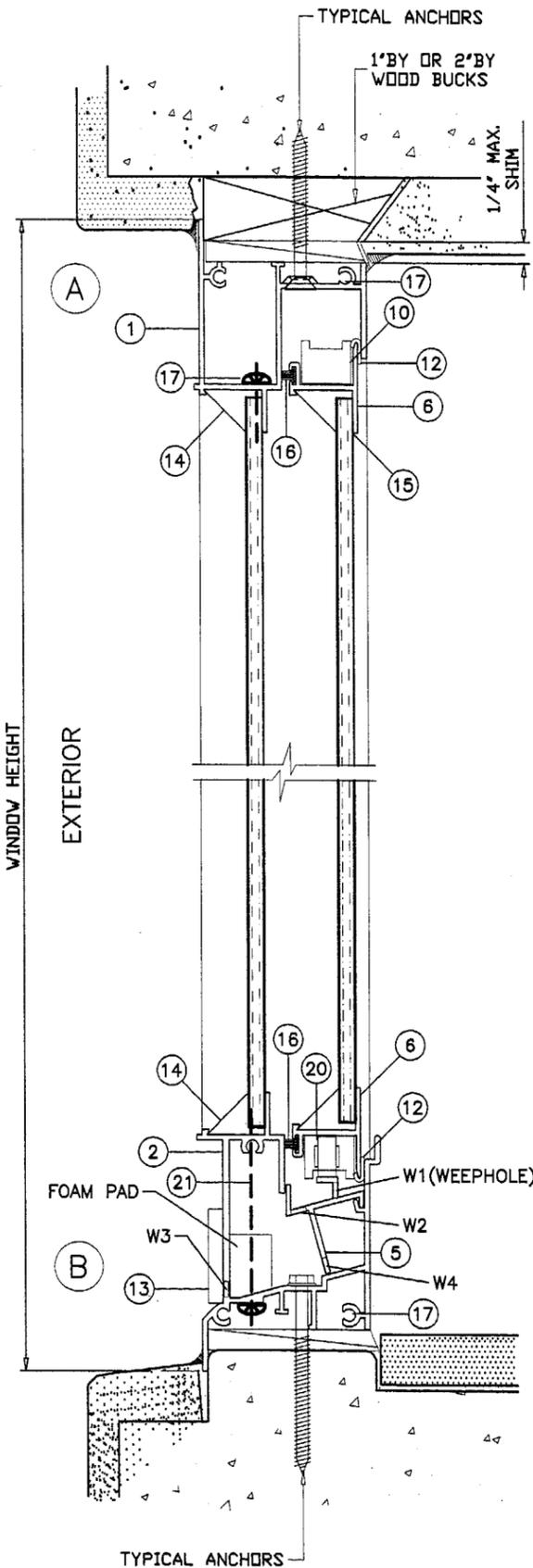
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A	6.19.98	NOTES & DETAILS ADDED
B	7.15.98	LOAD TABLE REVISED
C	8.24.98	WEEP NOTCHES REVISED

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

drawing no.
W97-31
 sheet 1 of 4

00-0327.12

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



XOX LAYOUT

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

GLAZING METHOD:

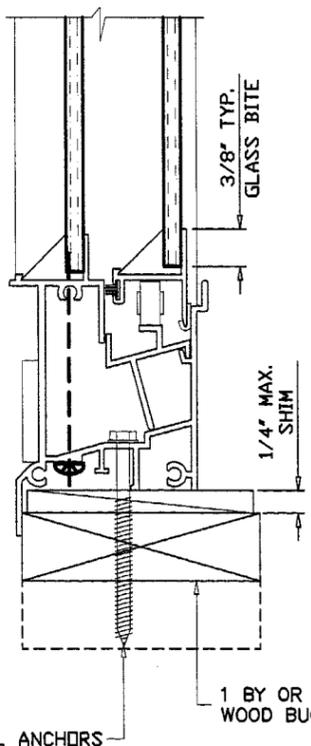
EXTERIOR GLAZED, 3/8" TYP. GLASS BITE, USING SILICONE BEDDING COMPOUND NO. OSI HM-270 AND ROLL FORMED ALUMINUM BEAD.

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
JUN 16 2009

APPROVED AS COMPLYING WITH THE SOUTH FLORIDA BUILDING CODE
DATE *June 02, 2009*
BY *Manuel...*
PRODUCT CONTROL DIVISION
BUILDING CODE COMPLIANCE OFFICE
ACCEPTANCE NO. *00-0327-12*

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

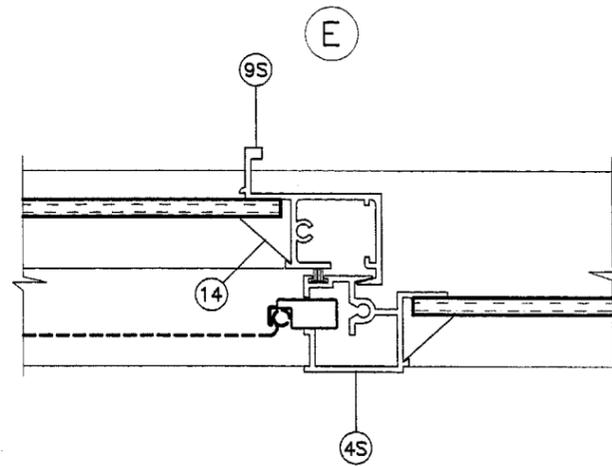
SERIES 400 HORIZ. SLIDING WINDOW
CURV-A-TECH CORPORATION
930 W. 23rd STREET
HIALEAH, FL 33010
TEL (305) 888-9631 FAX.(305) 888-9969

revisions:	
no	date by description

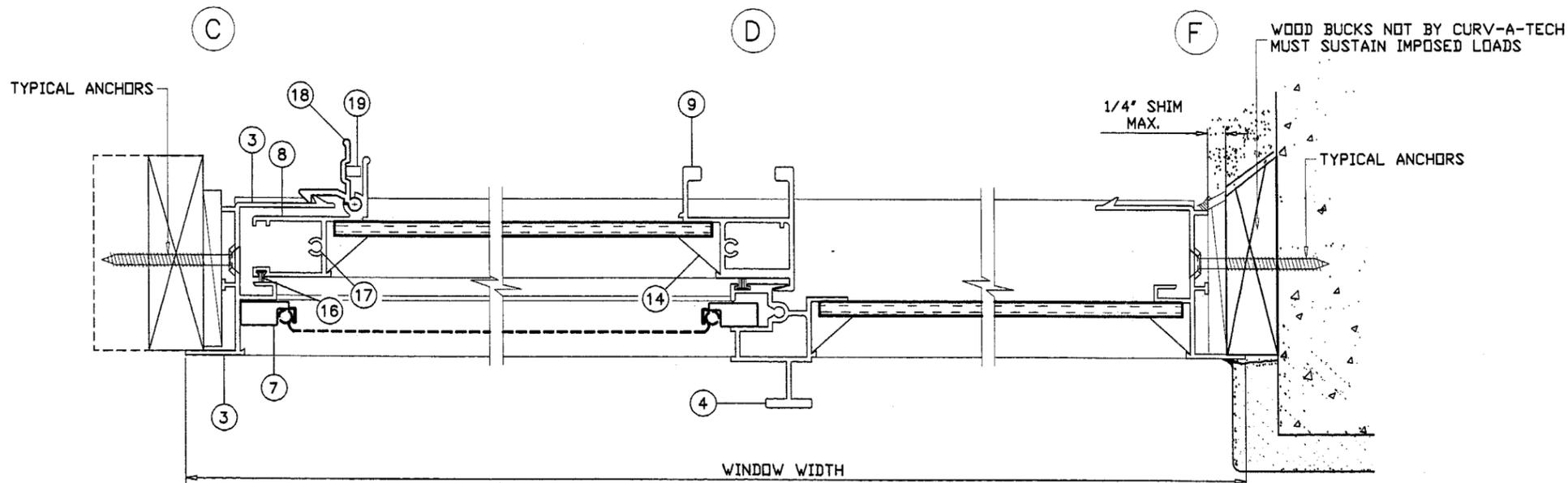
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dr. by: HAMID
chk. by:

drawing no.
W97-31
sheet 2 of 4

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	5/16" 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" SMSHP 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

Handwritten signature and date: M. Farooq, 10/16/2000

APPROVED AS COMPLYING WITH THE
SOUTH FLORIDA BUILDING CODE
DATE *June 03, 2000*
BY *M. Farooq*
PRODUCT CONTROL DIVISION
BUILDING CODE COMPLIANCE OFFICE
ACCEPTANCE NO. *00-0327.12*

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

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	description

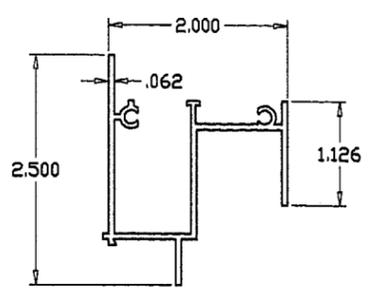
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dr. by: HAMID
chk. by:

drawing no.
W97-31

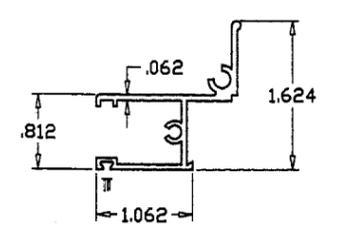
sheet 3 of 4

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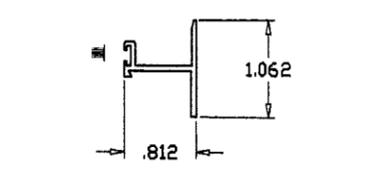
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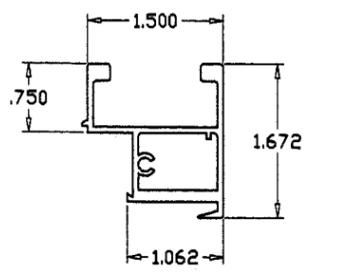
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10248
6063-T5



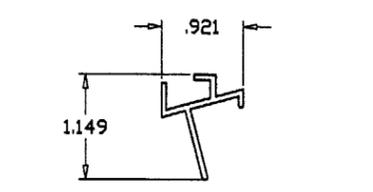
VENT SIDE RAIL
10257
6063-T6



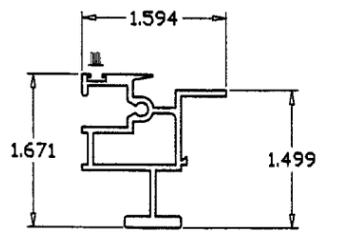
VENT TOP/BOTTOM RAIL
10250
6063-T6



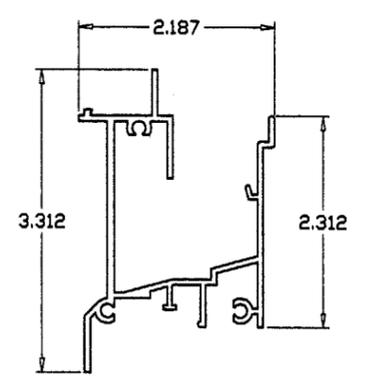
H.D. VENT INTERLOCK RAIL
11823
6063-T6



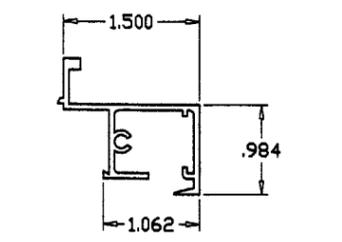
SILL TRACK
10846
6063-T5



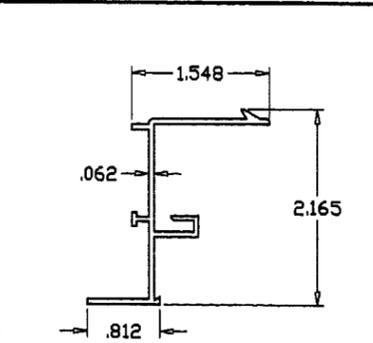
H.D. FIXED MEETING RAIL
11822
6063-T6



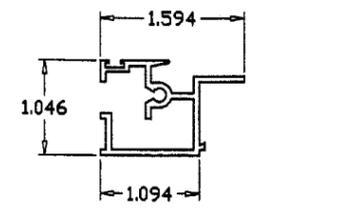
FRAME SILL
10845
6063-T5



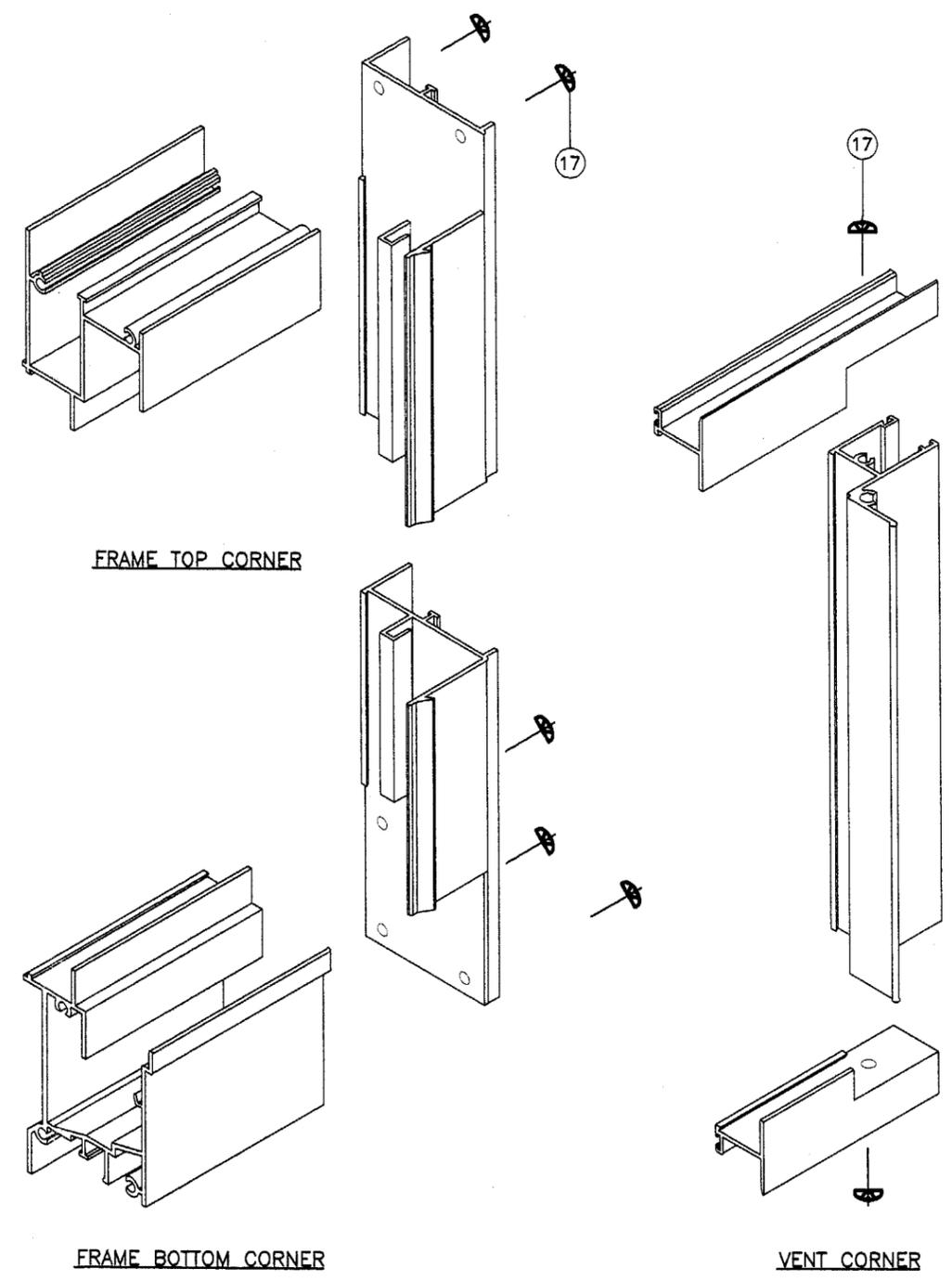
STD. VENT INTERLOCK RAIL
10256
6063-T6



FRAME JAMB
10847
6063-T5



STD. FIXED MEETING RAIL
10249
6063-T6



Engr. DR. HUMAYOUN FAROOQ
STRUCTURES
FLA. PE # 18557
1 FEB 16 2000

APPROVED AS COMPLYING WITH THE
SOUTH FLORIDA BUILDING CODE
DATE *June 02, 2000*
BY *Manuel...*
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ACCEPTANCE NO. *00-0327-12*

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CURV-A-TECH CORPORATION
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HIALEAH, FL 33010
TEL.(305) 888-9631 FAX.(305) 888-9969

revisions:	no	date	by	description

date: 10-06-97
scale: 1/2" = 1"
dr. by: H-AMID
chk. by:
drawing no.
W97-31
sheet 4 of 4