



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

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

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

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

PRODUCT CONTROL NOTICE OF ACCEPTANCE

Rolladen, Inc.
550 Ansin Boulevard
Hallandale ,FL 33009

Your application for Notice of Acceptance (NOA) of:

Aluminum Fixed Window with Polycarbonate Glazing - Impact

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 NOA shall not be valid after the expiration date stated below. BCCO reserves the right to secure this product or material at any time 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 by 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.: 00-0609.05
EXPIRES: 08/14/2003

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 Miami-Dade County, Florida under the conditions set forth above.

Francisco J. Quintana, R.A.
Director
Miami-Dade County
Building Code Compliance Office

APPROVED: 09/07/2000



Rolladen, Inc.

ACCEPTANCE No.: 00-0609.05

APPROVED : SEP - 7 2000

EXPIRES : August 14, 2003

NOTICE OF ACCEPTANCE: SPECIFIC CONDITIONS

1. SCOPE

1.1 This **renews** the Notice of Acceptance No. 96-0916.03 that was issued on August 14, 1997. It approves an aluminum fixed 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 **Aluminum Fixed Window – Impact Resistant**, and its components shall be constructed in strict compliance with the following documents: Drawing No **W96-31**, titled "Polycarbonate Window Glazing," Sheets 1 and 2 of 2, dated July 15, 1996, prepared by Al-Farooq Corporation signed and sealed by Humayoun Farooq, P.E. They bear 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 of an aluminum fixed window, as shown approved drawings.
3.2 For Design Pressure Rating vs. Window Size, see Comparative Analysis Tables in approved drawings.

4. INSTALLATION

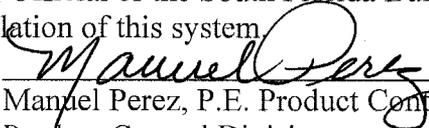
4.1 The aluminum fixed window and its components shall be installed in strict compliance with the approved drawings.
4.2 Hurricane protection system (shutters): The installation of this unit **will not require** a hurricane protective system.

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

Rolladen, Inc.

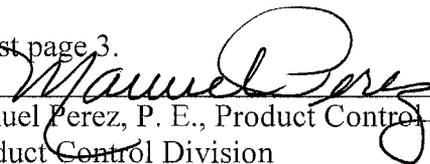
ACCEPTANCE No.: 00-0609.05

APPROVED : SEP - 7 2000

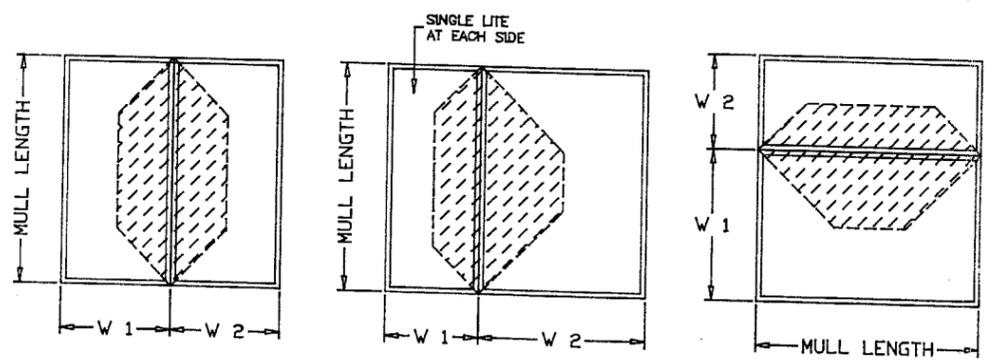
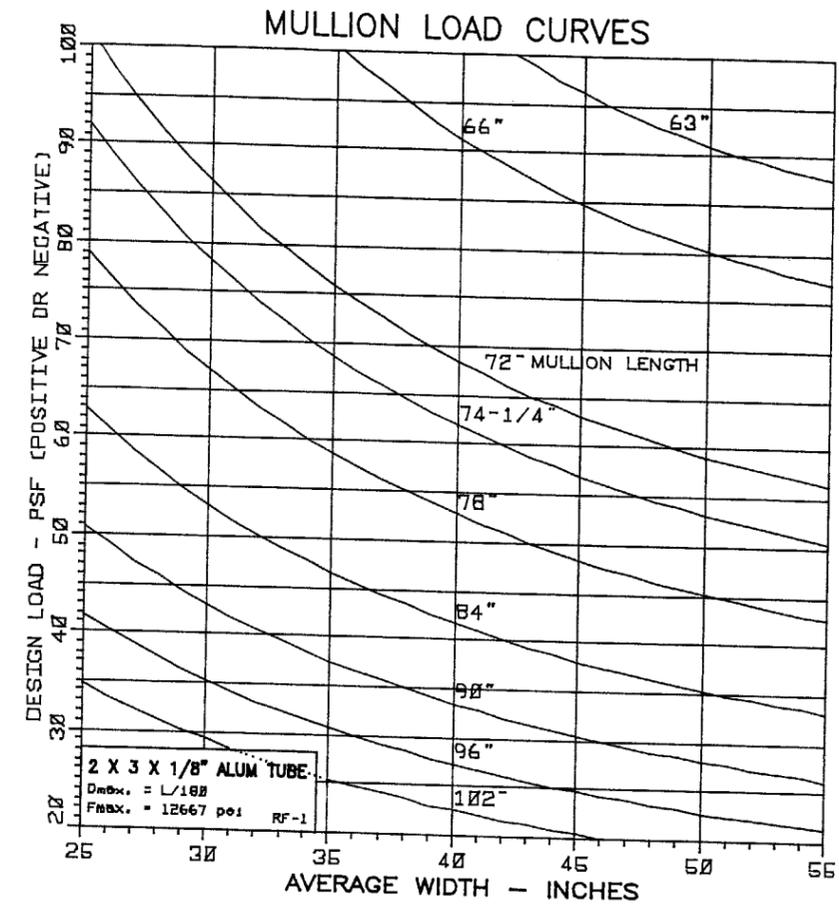
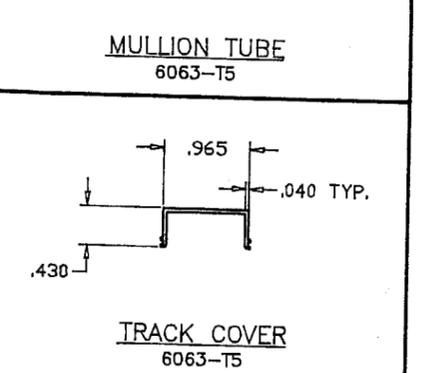
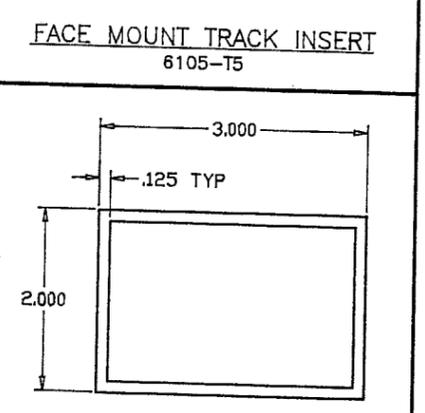
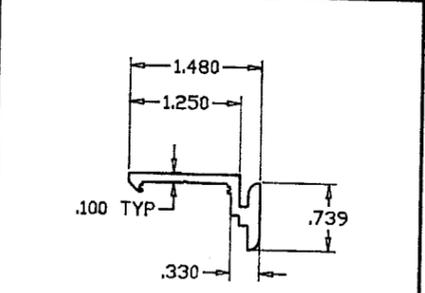
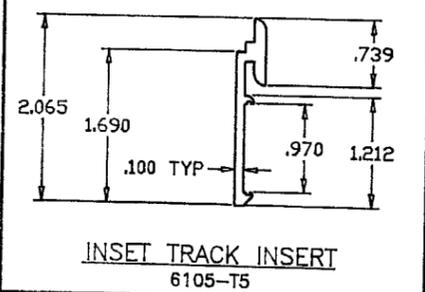
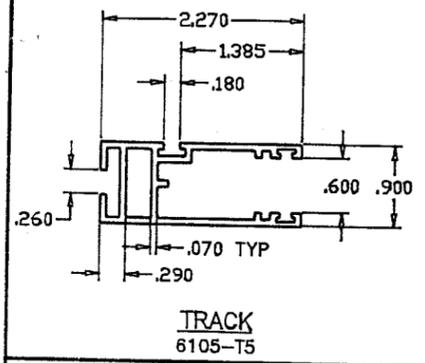
EXPIRES : August 14, 2003

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



$$\text{AVERAGE WIDTH} = \frac{W_1 + W_2}{2}$$

- NOTES:**
- WOOD BUCKS BY OTHERS, MUST BE ANCHORED PROPERLY TO TRANSFER LOADS TO THE STRUCTURE.
 - ANCHOR CONDITIONS NOT DESCRIBED IN THIS APPROVAL TO BE ENGINEERED SEPARATELY.

SINGLE LITES WITH 3/8" - POLYCARBONATE			
DESIGN LOAD CAPACITY - PSF			
WINDOW DIMS.		ANCHOR TYPE 'A'	
WIDTH	HEIGHT	EXT.	INT.
26'	26-1/2'	100.0	207.7
37'		100.0	203.8
53-1/8'		100.0	199.4
26'	38-3/8'	100.0	207.7
37'		100.0	145.9
53-1/8'		100.0	140.7
26'	50-5/8'	100.0	205.3
37'		100.0	145.9
53-1/8'		100.0	106.7
26'	63'	100.0	192.3
37'		100.0	145.9
53-1/8'		100.0	101.6
26'	74-1/4'	100.0	185.0
37'		100.0	142.8
53-1/8'		100.0	101.6

COMPARATIVE ANALYSIS CHART

BASED ON HTLI-28-0307-96 DATED 03-28-96
 TEST SIZE = 54" X 101-3/4" (SINGLE LITE)
 TEST LOADS = +150.0, -150.0 PSF
 DESIGN LOADS = +100.0, -100.0 PSF
 WATER INFILTRATION TEST = 15 PSF
 GLAZING MATERIAL = 3/8" THICK MONOLITHIC LEXAN MR5 POLYCARBONATE

SINGLE LITES WITH 3/8" - POLYCARBONATE			
DESIGN LOAD CAPACITY - PSF			
WINDOW DIMS.		ANCHOR TYPE 'A'	
WIDTH	HEIGHT	EXT.	INT.
36'	48'	100.0	150.0
42'		100.0	128.6
48'		100.0	112.5
54'		100.0	112.5
36'	60'	100.0	150.0
42'		100.0	128.6
48'		100.0	112.5
54'		100.0	100.0
36'	66'	100.0	150.0
42'		100.0	128.6
48'		100.0	112.5
54'		100.0	100.0
36'	72'	100.0	146.9
42'		100.0	128.6
48'		100.0	112.5
54'		100.0	100.0
36'	78'	100.0	143.3
42'		100.0	128.6
48'		100.0	112.5
54'		100.0	100.0
36'	84'	100.0	140.3
42'		100.0	125.9
48'		100.0	112.5
54'		100.0	100.0
36'	90'	100.0	137.7
42'		100.0	123.2
48'		100.0	112.5
54'		100.0	100.0
36'	96'	100.0	135.6
42'		100.0	120.9
48'		100.0	110.2
54'		100.0	100.0
36'	102'	100.0	133.8
42'		100.0	118.9
48'		100.0	108.1
54'		100.0	99.9

PRODUCT RENEWED

ACCEPTANCE No. 00-0609.05

EXPIRATION DATE August 14, 2003

By Manuel Perez
 PRODUCT CONTROL DIVISION
 BUILDING CODE COMPLIANCE OFFICE

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

APPROVED AS COMPLYING WITH THE
 SOUTH FLORIDA BUILDING CODE
 DATE August 14, 1997
 BY Manuel Perez
 PRODUCT CONTROL DIVISION
 BUILDING CODE COMPLIANCE OFFICE
 ACCEPTANCE NO. 96-0916.03

MAY 7 2006

AL-FAROOQ CORPORATION
 ENGINEERS, PLANNERS & PRODUCT DESIGN
 1235 SW 87 AVE
 MIAMI, FLORIDA 33174
 TEL (305) 264-8100 FAX (305) 262-6978
 COMP-ANL W96-31

POLYCARBONATE WINDOW GLAZING

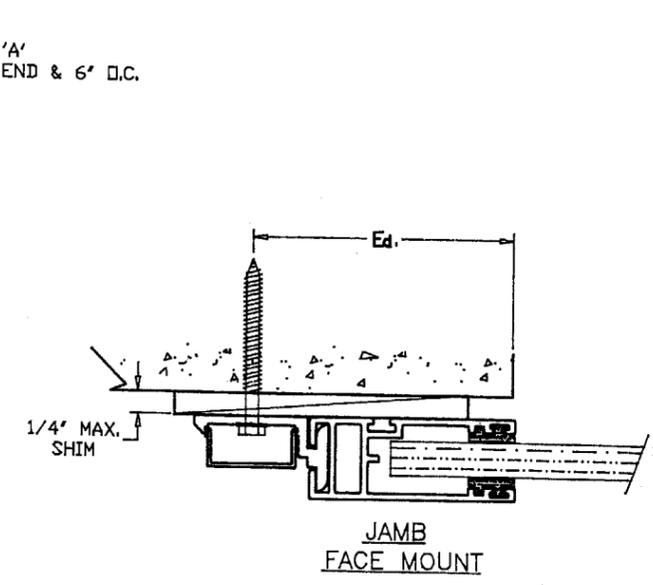
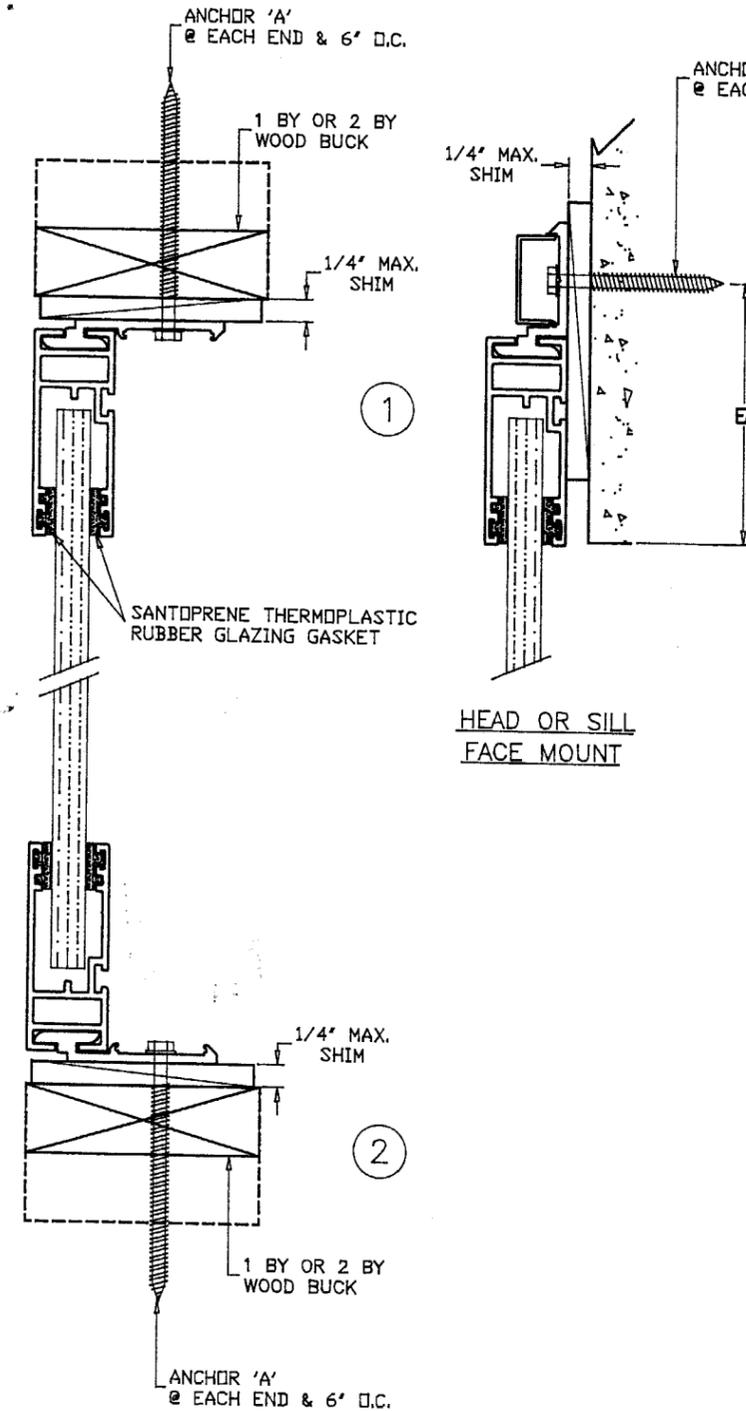
ROLLADEN INC.
 550 ANSIN BOULEVARD
 HALLANDALE, FL. 33009
 (305) 757 - 8591

no	date	description
A	9.11.96	H TRACK COVER ADD.
B	7.14.97	H GENERAL REVISION

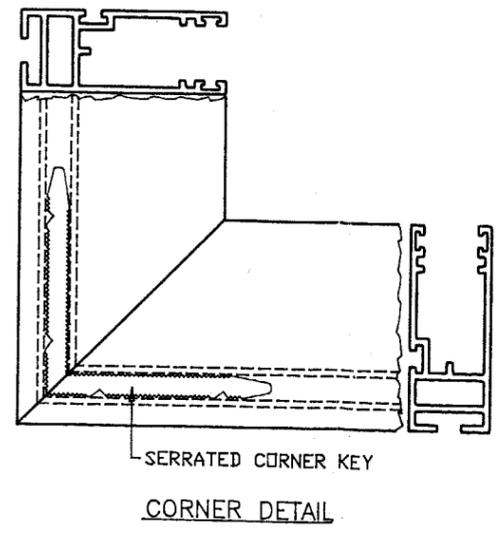
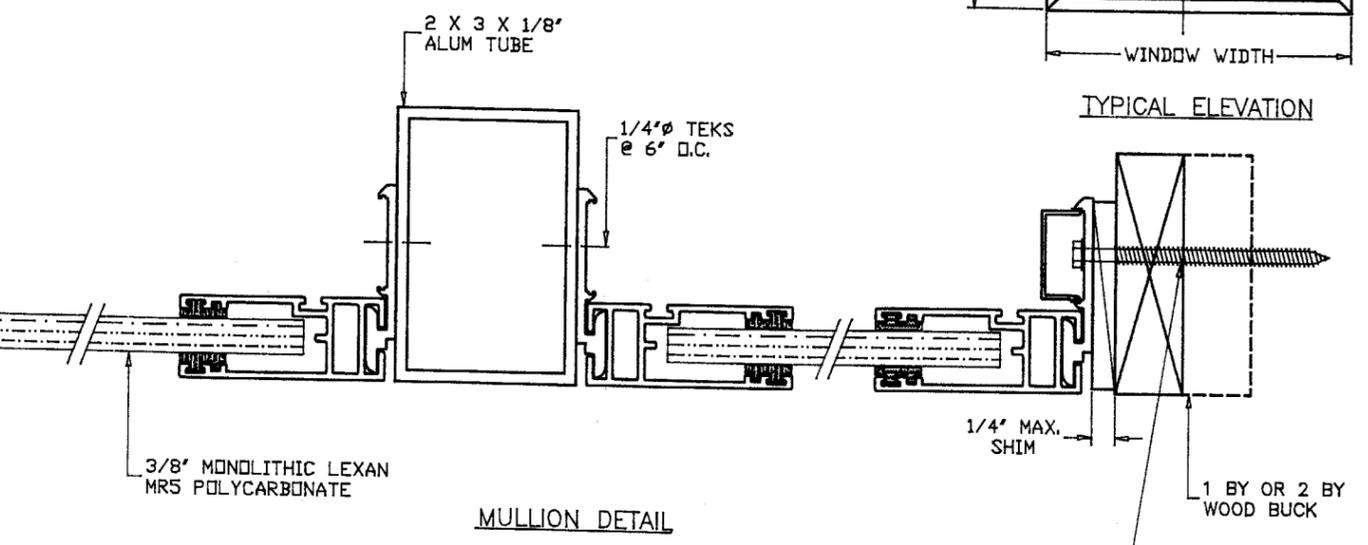
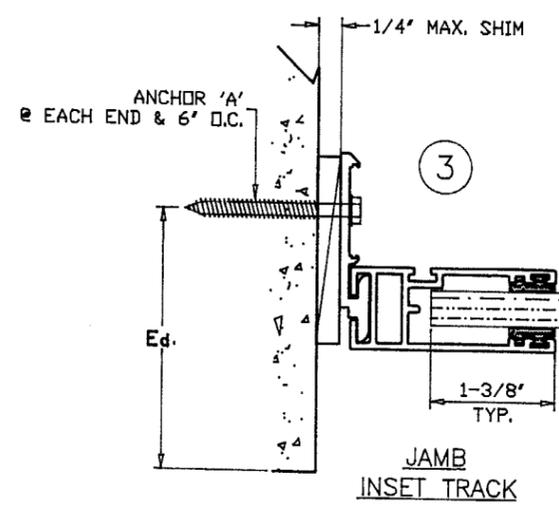
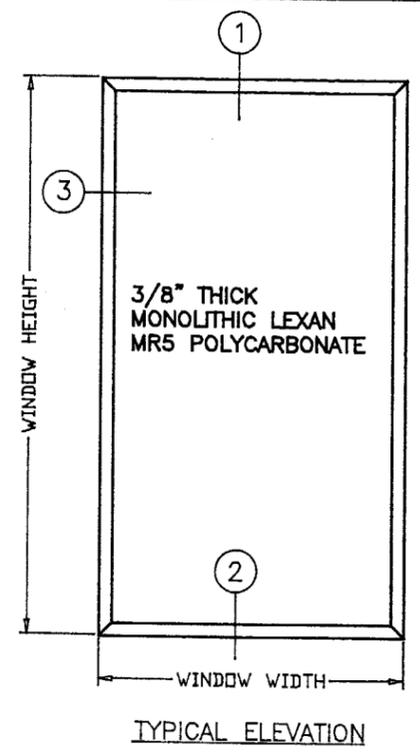
date: 07-15-96
 scale: 1/2" = 1"
 dr. by: HAMID
 chk. by:

drawing no. **W96-31**
 sheet 1 of 2

00-0609.05



ANCHOR 'A'
 1/4" Ø TAPCON 1-3/4" EMBEDMENT TO CONCRETE
 1-1/4" EMBEDMENT TO BLOCK
 #14 S.M.S./LAG SCREWS INTO WOOD.
 1-1/2" MIN. PENETRATION.
 NOTE: ANCHORS, USE FULL EMBEDMENT IN CONCRETE BEYOND THE COVERING (STUCCO, TILES, ETC.)



PRODUCT RENEWED
 ACCEPTANCE No. 00-0609.05
 EXPIRATION DATE August 14, 2003
 By Mauro Peraz
 PRODUCT CONTROL DIVISION
 BUILDING CODE COMPLIANCE OFFICE

Ed = TYPICAL EDGE DISTANCE

ANCHOR SPACING IS BASED ON TYPICAL EDGE DISTANCE = 12d. FOR LESSER EDGE DISTANCE DECREASE SPACING BY MULTIPLYING WITH THE FACTOR BELOW					
EDGE DIST.	12d=3"	10d=2-1/2"	8d=2"	6d=1-1/2"	5d=1-1/4"
FACTOR	1.00	0.86	0.71	0.57	0.50
EXAMPLE: FOR 3" EDGE DIST. SPACING = 12" O.C. (FROM TABLE) FOR 2" EDGE DIST. SPACING = 12 X .71 = 8.5 O.C.					
TYPICAL EDGE DISTANCE IN WOOD = 1-1/4" NO REDUCTION FACTOR IS REQUIRED					

Engr. DR. HUMAYOON FAROOQ
 STRUCTURES
 FLA. PE # 16557

MAY 18 2000

APPROVED AS COMPLYING WITH THE
 SOUTH FLORIDA BUILDING CODE
 DATE AUGUST 14 1997
 BY Mauro Peraz
 PRODUCT CONTROL DIVISION
 BUILDING CODE COMPLIANCE OFFICE
 ACCEPTANCE NO. 96-0916.03

AL-FAROOQ CORPORATION
 ENGINEERS, PLANNERS & PRODUCT DESIGN
 1235 SW 87 AVE
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POLYCARBONATE WINDOW GLAZING
 ROLLADEN INC.
 550 ANSIN BOULEVARD
 HALLANDALE, FL. 33009
 (305) 757 - 8591

revisions:	no	date	by	description

date: 07-15-96
 scale: 1/2" = 1"
 dr. by: HAMID
 chk. by:

drawing no. **W96-31**
 sheet 2 of 2