



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

Sunshine Windows Manufacturing, Inc.
1745 W. 33 rd Place
Hialeah FL 33012

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:

Aluminum 3-1/2" Round Pipe Un-Clipped Mullion

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.: 00-0512.02

Expires: 06/05/2003

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: 07/20/2000

1 of 3



Sunshine Windows Manufacturing

ACCEPTANCE No. : 00-0512.02

APPROVED : JUL 20 2000

EXPIRES : June 05, 2003

NOTICE OF ACCEPTANCE: STANDARD CONDITIONS

1. SCOPE

- 1.1** This **renews** the Notice of Acceptance No. 95-0830.05, which was issued on June 05, 1997. It approves a structural mullion system, as described in Section 2 of this Notice of Acceptance, designed to comply with the South Florida Building Code, 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 *Sunshine Windows Aluminum 3-1/2" Round Pipe Un-Clipped Mullion w/ #SSW-011 Framing Member* and its components shall be constructed in strict compliance with the following documents: Drawing No. **M95-15B**, Sheet 1 of 1, titled "Mullion Details", prepared by Al-Farooq Corporation, dated November 16, 1996, signed and sealed by Humayoun Farooq, P.E., 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 un-clipped structural mullions to be installed vertically or horizontally, joining two window units at an angle of 90 to 180 degrees as shown in the approved drawings.
- 3.2** Mullions are to be used only to support Sunshine Windows Mfg. Inc. Series 2000 Single Hung Windows and Horizontal Rolling Windows containing frame member #SSW-011 at each side of mullion, with a current Notice of Acceptance.
- 3.3** For Design Pressure Rating vs. Mullion length, see Mullion Load Table of approved drawings.
- 3.4** For anchoring condition, see details for each anchor type: "A" (with one screw on each side of mullion) OR "B" (with two screws on each side of mullion) as shown on approved drawings.
- 3.5** Mullion and anchor selected Design Pressure Rating, per "Design Capacity" chart, must each meet or exceed the pressure requirement for the opening in which it is to be installed.
- 3.6** Window sizes and design pressures are to be limited only to those appearing on charts referenced above and also listed in the individual window's Notice of Acceptance.

4. INSTALLATION

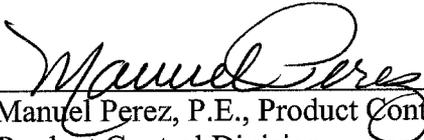
- 4.1** The structural mullion system and its components shall be installed in strict compliance with the approved drawings.
- 4.2** This mullion **cannot** be installed as part of an impact resistant unit.

5. LABELING

- 5.1** Each panel 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** The Notice of Acceptance of each window or door to be attached to the mullion.
- 6.1.4** 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

Sunshine Windows Manufacturing

ACCEPTANCE No. : 00-0512.02

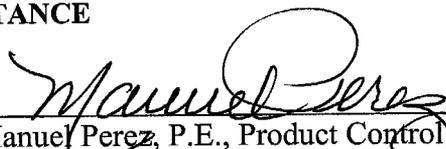
APPROVED : JUL 20 2000

EXPIRES : June 05, 2003

NOTICE OF ACCEPTANCE: STANDARD CONDITIONS

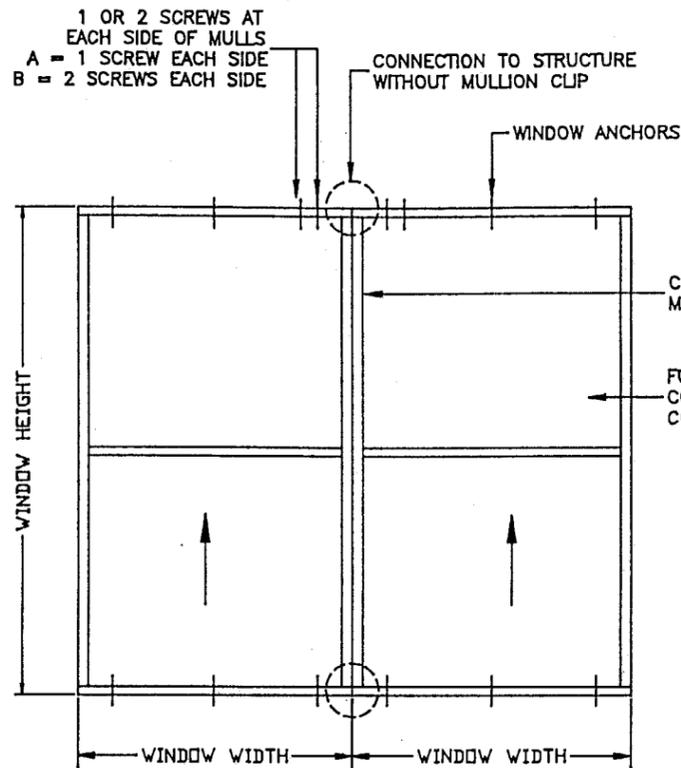
1. Renewal of this Acceptance (approval) shall be considered after a renewal application has been filed and the original submitted documents, including test-supporting data, engineering documents, are no older than eight (8) years.
2. Any and all approved products shall be permanently labeled with the manufacturer's name, city, state, and the following statement: "Miami-Dade County Product Control Approval", 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 purposes.
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 through 3.

END OF THIS ACCEPTANCE

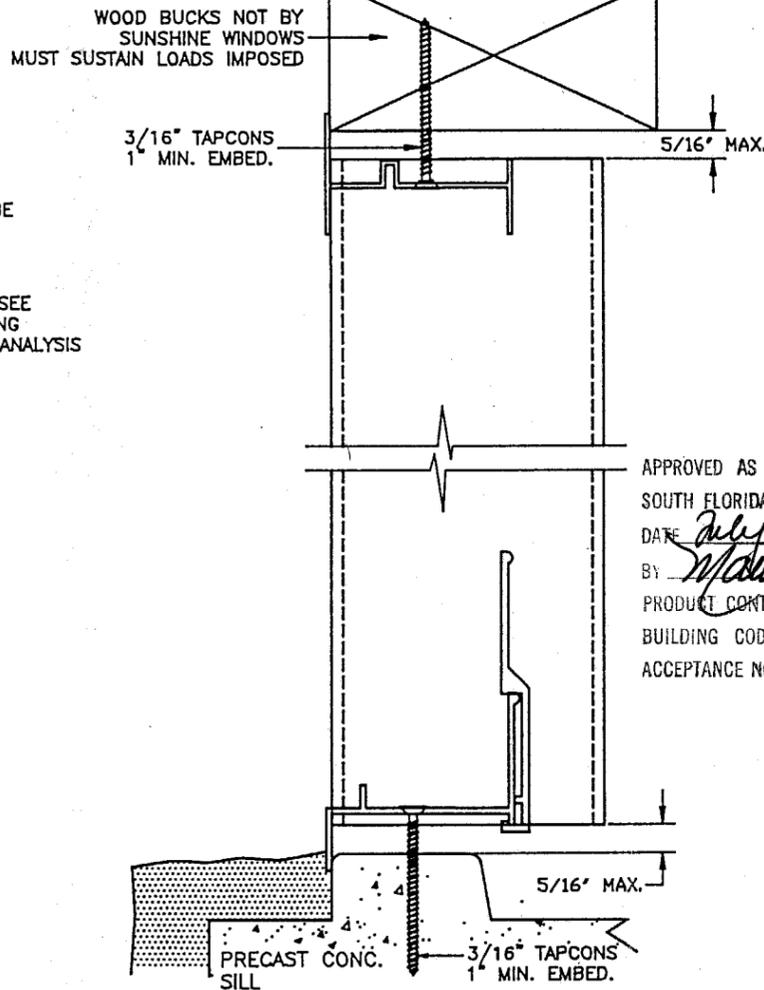


Manuel Perez, P.E., Product Control Examiner
Product Control Division

**HEAD & SILL ANCHORS FOR MULLED WINDOWS
W/OUT MULLION CLIPS**



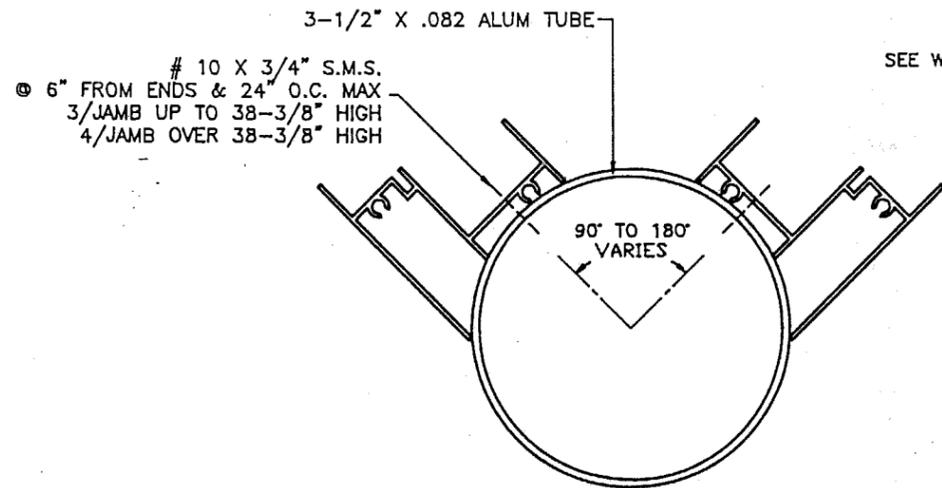
ALL WINDOWS WIDER THAN 26-1/2" TO HAVE FASTENERS AT CENTER OF HEAD & SILL.
FOR OTHER PERIMETER ANCHORS REFER TO PRODUCT APPROVAL.
ANCHORING CONDITIONS VARYING FROM THOSE SHOWN IN THESE CALCULATIONS SUBJECT TO SEPARATE ENGINEERING REVIEW.



APPROVED AS COMPLYING WITH THE SOUTH FLORIDA BUILDING CODE
DATE July 20, 2000
BY Manuel Perez
PRODUCT CONTROL DIVISION
BUILDING CODE COMPLIANCE OFFICE
ACCEPTANCE NO. 00-0512.02

**MULLIONS CONTAINING FRAME MEMBER # SSW-011 AT EACH SIDE
HORIZONTAL OR VERTICAL**

SEE WINDOW OR DOOR APPROVAL FOR FASTENERS SIZES AND SPACING



TOTAL PROPERTIES

$I_x = 1.649 \text{ IN.}^4$
 $S_x = .942 \text{ IN.}^3$

SIZES		DESIGN CAPACITY-PSF		
WINDOW WIDTH (IN.)	DIMS HEIGHT (IN.)	ANCHORS		MULLIONS
		HEAD AND SILL		
W	L	A	B	
19.125	26	183.2	366.5	300.0
26.5		170.4	340.8	300.0
37		170.4	340.8	300.0
53.125	38.375	170.4	340.8	300.0
19.125		104.5	209.1	300.0
26.5		86.5	173.0	300.0
37	50.625	78.3	156.7	252.3
53.125		78.2	156.5	175.7
19.125		73.3	146.7	280.4
26.5	63	58.2	116.3	202.4
37		48.5	96.9	145.0
53.125		44.9	89.9	101.0
19.125	74.25	56.4	112.7	181.1
26.5		43.7	87.4	130.7
37		35.0	70.0	93.6
53.125		29.8	59.5	65.2
19.125		46.6	93.1	129.4
26.5		35.6	71.3	93.4
37		27.9	55.8	66.9
53.125		22.7	45.5	46.6

**CIRCULAR TUBE MULLION (UN-CLIPPED)
WINDOW FRAME MEMBER # SSW-011 INCLUDED
IN PROPERTIES.**

NOTES:

- ALL GLAZING PRODUCTS USED WITH THIS MULLION MUST MEET THE APPLICABLE DADE COUNTY REQUIREMENTS I.E. WIND LOAD, AIR & WATER INFILTRATION, FORCED ENTRY RESISTANCE, SAFEGUARDS ETC.
- ANCHOR EMBEDMENT TO BASE MATERIAL SHALL BE BEYOND WALL COVERING (STUCCO, TILE ETC.)
- ANY CONDITIONS NOT COVERED IN THIS SUBMITTAL SUBJECT TO SEPARATE ENGINEERING REVIEW.
- MULLION TO BE ALLOY 6063-T5.

INSTRUCTIONS:

USE MULLION/ANCHOR LOAD CHART AS FOLLOWS.

- STEP 1** DETERMINE DESIGN LOAD REQUIRED PER ASCE 7-88, FOR PARTICULAR OPENING.
- STEP 2** USE DADE COUNTY APPROVED GLAZING PRODUCTS MEETING ABOVE LOAD REQUIREMENTS.
- STEP 3** USE CONNECTION TO MULLION AS PER PRODUCT APPROVAL.
- STEP 4** USING MULLION LOAD CHART DETERMINE MULLION CAPACITY WHICH MUST EXCEED THE DESIGN LOAD SPECIFIED IN STEP 1 ABOVE.
- STEP 5** USING ANCHOR LOAD CHART SELECT ANCHOR WITH DESIGN RATING MORE THAN THE DESIGN LOADS SPECIFIED IN STEP 1 ABOVE.

APPROVED AS COMPLYING WITH THE SOUTH FLORIDA BUILDING CODE
DATE JUNE 5 1997
BY Manuel Perez
PRODUCT CONTROL DIVISION
BUILDING CODE COMPLIANCE OFFICE
ACCEPTANCE NO. 95-0830.05

ENGINEER: HUMAYOUN FAROOQ
PE # 16557

DEC 07 1995

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AL-FAROOQ CORPORATION
ENGINEERS, PLANNERS & PRODUCT TESTING
1235 SW 87 AVE
MIAMI, FLORIDA 33174
(305) 264-8100
M95-15BS

MULLION DETAILS
SUNSHINE WINDOWS
1745 W. 33RD PLACE
HIALEAH, FL. 33012
(305) 364-9952

revisions:	no	date	by	description

date: 11-16-95
made: 1/2" - 1"
design by:
drawn by: HMM
checked by:

drawing no.
M95-15B
sheet 1 of 1