



**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)**

Superior Window Corporation  
9875 N. W. 79 th Ave  
Hialeah Gardens, Fl. 33016

**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: Superior Window Series "Zero" 3-piece Aluminum Mullion - LMI  
(To be used with Superior Window Series 300 & 400 Windows)**

**APPROVAL DOCUMENT:** Drawing No. **04-M02**, titled "Zero mullion", sheets 1 through 2 of 2, prepared by Bromley-Cook Engineering Inc., dated 04/21/04 and last revised on February 16, 2005, signed and sealed by William D. Cook, 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.

**MISSILE IMPACT RATING: Large and Small Missile Impact**

**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, consists of this page 1 and evidence pages E-1, as well as approval document mentioned above. The submitted documentation was reviewed by **Ishaq I. Chanda, P. E.**



2/17/05

**NOA No 03-1001.07  
Expiration Date: March 10, 2010  
Approval Date: March 10, 2005  
Page 1**

Superior Window Corporation

**NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED**

**A. DRAWINGS**

1. Manufacturer's die drawings and sections.
2. Drawing No. **04-M02**, titled "Zero mullion", sheets 1 through 2 of 2, prepared by Bromley-Cook Engineering Inc., dated 04/21/04 and last revised on Feb. 16, 2005, signed and sealed by William D. Cook, 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 20294  
3) Water Resistance Test, per FBC, TAS 202-94  
4) Large Missile Impact Test per FBC, TAS 201-94  
5) Cyclic Wind Pressure Loading per FBC, TAS 203-94  
along with marked-up drawings and installation diagram of an aluminum casement window & mulled project out windows and test report No(s); **HTL-0054-0825.02** (HTL-01089), **HTL-0054-1205.01**, **HTL-0054-0114.01**, **HTL-00540424.02**, **HTL-0054-0825.02** and **HTL-0054-0310.01**, prepared by Hurricane Test Laboratory, LLC, signed and sealed by Vinu J. Abraham, P.E. on 1/15/03.  
Note: This test reports revised by an addendum letter, issued by Hurricane Test Lab, dated October 11, 2004, signed and sealed by Vinu J. Abraham, P.E.

**C. CALCULATIONS**

1. Anchor verification calculation and comparative analysis, prepared by Bromley-Cook Engineering Inc., dated 05/07/04 and last revised on Jan 26, 2005, signed and sealed by William D. Cook, P.E.

**D. QUALITY ASSURANCE**

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

**E. MATERIAL CERTIFICATIONS**

1. None

**F. STATEMENTS**

1. Statement letter of conformance and "No financial interest", both dated September 30, 2003, signed and sealed by William D. Cook, P.E.
2. Letter of lab compliance, as part of the above test reports.
3. Addendum letter dated October 11, 2004, issued by Hurricane testing lab, signed and sealed by Vinu J. Abraham, P.E.

**G. OTHER**

1. Superior Windows test proposal approved by BCCO on 10/01/2001

*Ishaq I. Chanda*

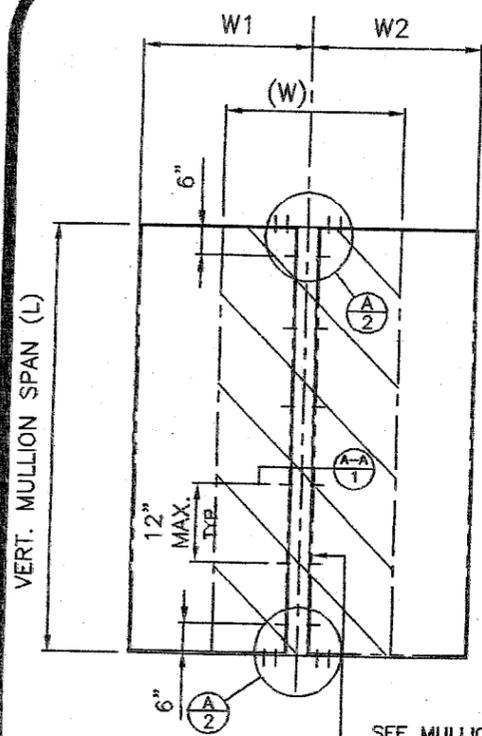
Ishaq I. Chanda, P. E.

Product Control Examiner

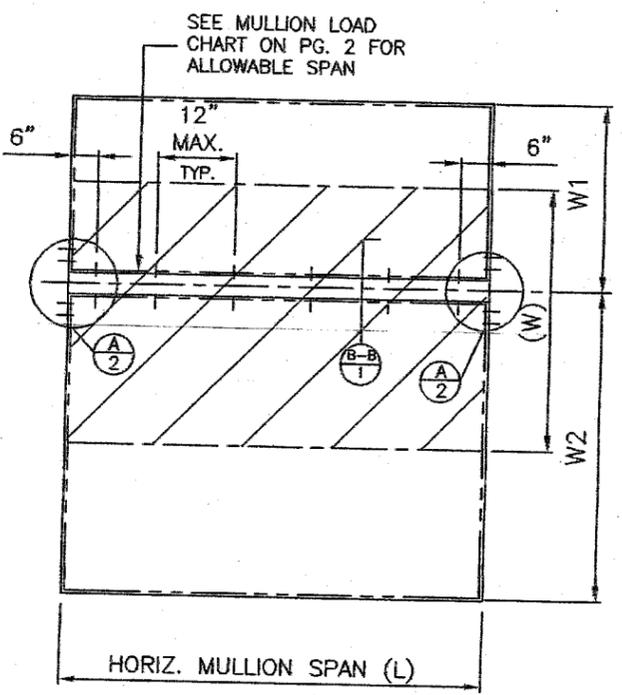
NOA No 03-1001.07

Expiration Date: March 10, 2010

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**VERTICAL MULLION ELEVATION**  
 SERIES 300 PROJECTED  
 SERIES 400 CASEMENT



**HORIZONTAL MULLION ELEVATION**  
 SERIES 300 PROJECTED  
 SERIES 400 CASEMENT

**DETERMINE TRIBUTARY WIDTH (W)**

$$(W) = \frac{W1 + W2}{2}$$

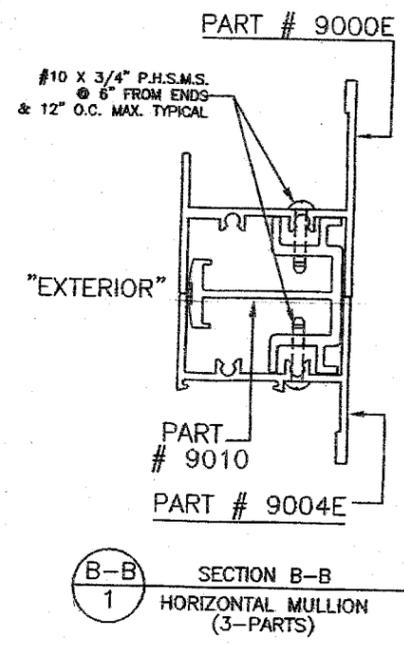
**TRIBUTARY AREA = W X L**

**INSTRUCTIONS:**

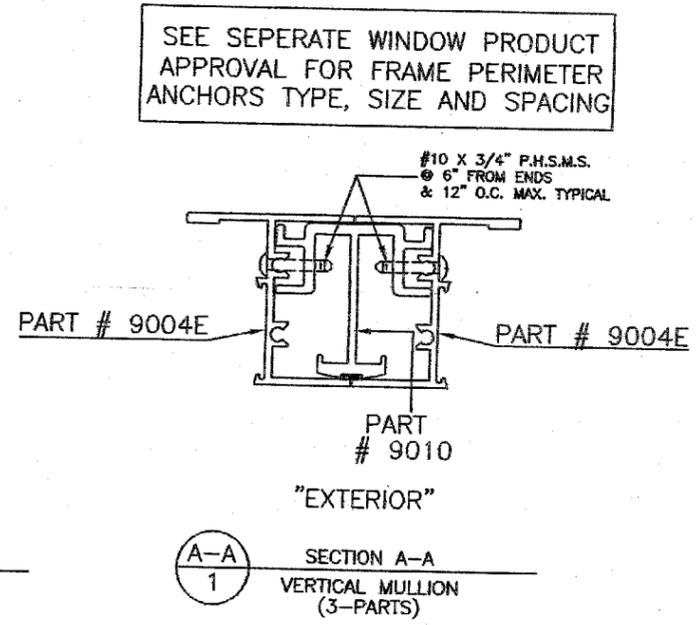
- USE MULLION LOAD CHART AS FOLLOWS.
- 1) DETERMINE DESIGN LOAD REQUIRED AS PER ASCE 7 FOR PARTICULAR OPENING.
  - 2) USE DADE COUNTY APPROVED 300 SERIES AND 400 SERIES CASEMENT WINDOWS MEETING ABOVE LOAD REQUIREMENTS.
  - 3) USE CONNECTION TO MULLION W/ #10 X 3/4" S.M.S. @ 6" FROM ENDS & 12" O.C. AS DETAILED SECTIONS "A-A" & "B-B"
  - 4) DETERMINE TRIBUTARY WIDTH(W) AND MULLION SPAN(L). TRIBUTARY AREA NOT TO EXCEED 3456 SQ. IN. MULLION SPAN(L) NOT TO EXCEED 72".
  - 5) USE MULL CHART ON SHEET 2, SELECT MULLION SIZE WITH DESIGN RATING MORE THEN DESIGN LOAD SPECIFIED IN STEP 1 ABOVE.

**NOTES:**

1. SUPERIOR WINDOW SERIES 300 & 400 USED WITH THESE MULLIONS MUST MEET THE APPLICABLE DADE COUNTY REQUIREMENTS I.E. WIND LOAD, AIR & WATER INFILTRATION, FORCED ENTRY RESISTANCE, SAFEGUARDS ETC.
2. ANCHOR EMBEDMENT TO BASE MATERIAL SHALL BE BEYOND WALL COVERING (STUCCO, TILE ETC.)
3. ANY CONDITIONS NOT COVERED IN THIS SUBMITTAL SUBJECT TO SEPARATE ENGINEERING REVIEW.
4. ALL MULLIONS TO BE ALLOY 6063-T6.



**SECTION B-B**  
 HORIZONTAL MULLION (3-PARTS)



**SECTION A-A**  
 VERTICAL MULLION (3-PARTS)

**3-PART ZERO MULLION PART (NON CLIPPED)**  
 + FRAME MEMBERS # 9004E/9000E AT EACH SIDE- HORIZONTAL  
 OR FRAME MEMBERS # 9004E/9004E AT EACH SIDE- VERTICAL  
 USED WITH: SERIES 300 PROJECTED & SERIES 400 CASEMENT

**3-PART MULLIONS ARE RATED FOR LARGE MISSILE IMPACT**

**3-PART ALUMINUM ZERO MULLIONS WITH SUPERIOR WINDOW FRAME MEMBERS INCLUDED IN PROPERTIES**

Approved as complying with the Florida Building Code  
 Date MARCH 10, 2005  
 NOA# 03-1001-07  
 Miami Dade Product Control Division  
 By Ishag I. Chanda

**SUPERIOR WINDOW CORP.**  
 9875 N.W. 79TH AVENUE  
 HIALEAH GARDENS, FL. 33016  
 (305) 826-4800  
 FAX - (305) 826-7499  
 WWW.SUPERIORWINDOW.COM  
 E-MAIL: EDITH@SUPERIORWINDOW.COM

**ZERO MULLION ELEVATIONS AND DETAILS**

**REVISIONS**

No.	DESCRIPTION	DATE

○ = DETAIL LOCATION

**CERTIFICATION**

*(Signature)*  
 FEB 16 2005

**WILLIAM D. COOK, P.E.**  
 FLA. P.E. NO. 43904

**BROMLEY - COOK ENGINEERING, INC.**  
**STRUCTURAL ENGINEERING SERVICES**

5440 N.W. 333RD AVENUE  
 FORT LAUDERDALE, FL. 33309  
 PH. - (954) 772-4624  
 FAX - (954) 772-4634

DATE: 4/21/04	DRAWN BY: E. TODZEY
SCALE: HALF	SHEET:
DWG: 04-M02	1 OF 2

**ALUMINUM ALLOY MULLION**  
**3-PART ZERO MULL 9010**  
**ALUM. ALLOY 6063-T6**

MULLION LOAD CHART (PSF)		DESIGN LOAD PSF (POSITIVE OR NEGATIVE)																																																																																								
		TRIBUTARY WIDTH(W) IN INCHES (3456 SQ. IN. MAX. AREA)																																																																																								
HORIZONTAL/VERTICAL MULLION SPAN(L) IN INCHES (72" MAX.)		48"	50"	52"	54"	56"	60"	64"	67"	72"	TRIBUTARY WIDTH(W) NOT TO EXCEED 3456 SQ. IN. MULLION SPAN(L) NOT TO EXCEED 72".																																																																															
48"	48"	65	65	65	65	65	65	65	65	65	51"	48"	65	65	65	65	65	65	65	65	54"	48"	65	65	65	65	65	65	65	65	57"	48"	65	65	65	65	65	65	65	65	61"	48"	65	65	65	65	65	65	65	65	64"	48"	65	65	65	65	65	65	65	65	66"	48"	65	65	65	65	65	65	65	65	69"	48"	65	65	65	65	65	65	65	65	72"	48"	65	65	65	65	65	65	65	65

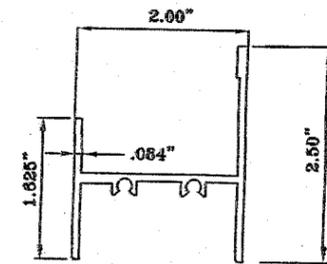
**SUBSTRATE MUST SUSTAIN LOADS  
 IMPOSED BY GLAZING SYSTEM AND TRANSFER  
 THEM TO THE BUILDING STRUCTURE.**

**TYPICAL ANCHORS INTO CONCRETE:** SEE DETAIL "A/2" FOR SPACING  
**1/4" ELCO TAPCONS (1 EA. SIDE OF MULLION - 6" MAX. FROM CORNERS)**  
 THRU 1 X WOOD BUCKS INTO CONC. OR DIRECTLY  
 INTO CONC.  
 1 1/4" MIN. EMBED INTO CONC.

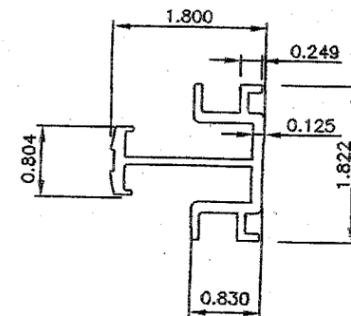
**TYPICAL ANCHORS INTO WOOD SUBSTRATE:** SEE DETAIL "A/2" FOR SPACING  
**#14 WOOD SCREW OR 1/4" ELCO TAPCON**  
**(2 PER EA. SIDE OF MULLION @ 3" & 6" FROM CORNERS)**  
 INTO 2 X WOOD BUCKS OR WOOD STRUCTURE  
 1 1/2" MIN. PENETRATION INTO WOOD

**TYPICAL ANCHORS INTO STEEL:** SEE DETAIL "A/2" FOR SPACING  
**# 14 SMS (GRADE 5) OR SELF DRILLING SCREWS (GRADE 5)**  
**(1 PER EA. SIDE OF MULLION @ 6" FROM CORNERS)**  
 INTO METAL STRUCTURE .125" MIN. THICKNESS.  
 STEEL: Fy = 36 KSI MIN.

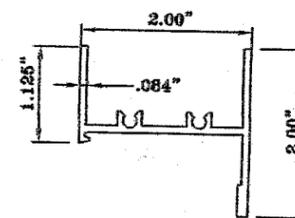
**TYPICAL ANCHORS INTO ALUMINUM:** SEE DETAIL "A/2" FOR SPACING  
**# 14 SMS (GRADE 5) OR SELF DRILLING SCREWS (GRADE 5)**  
**(1 PER EA. SIDE OF MULLION @ 6" FROM CORNERS)**  
 INTO ALUMINUM STRUCTURE .125" MIN. THICKNESS.  
 ALUMINUM: Fy = 12.6 KSI MIN.  
 ALUM.: 6063-T5 MIN.



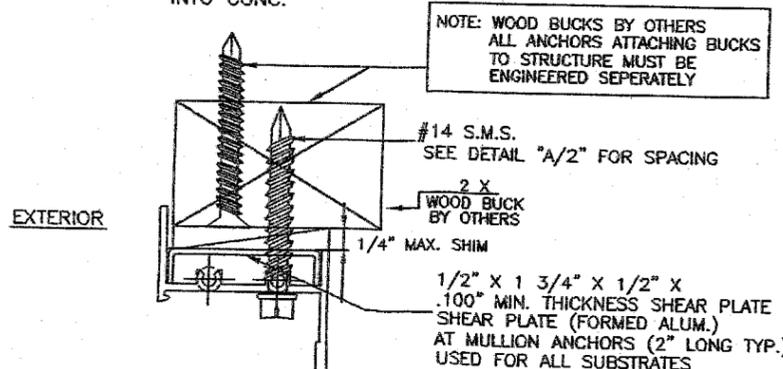
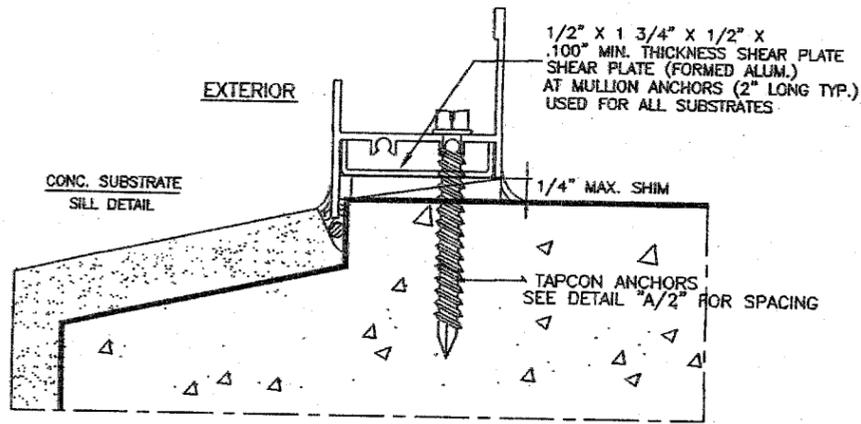
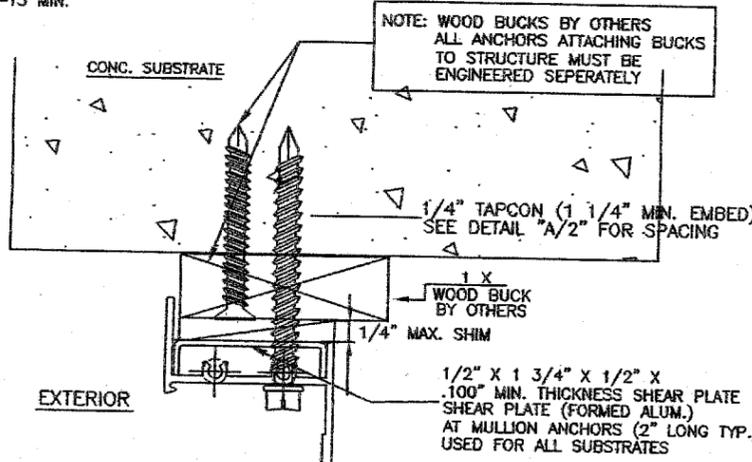
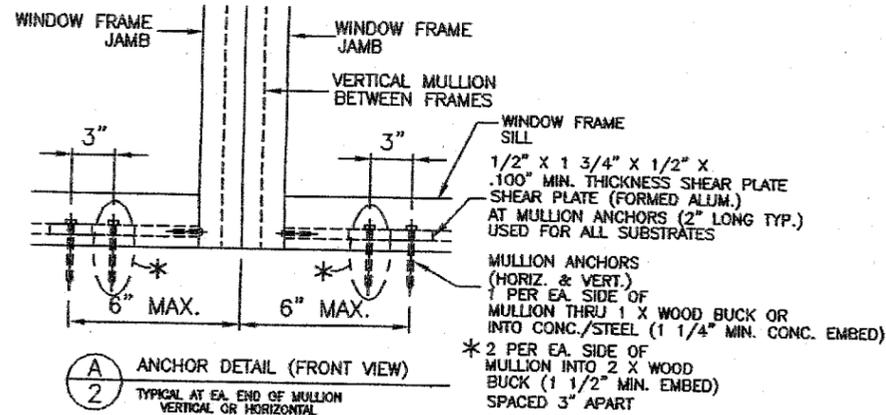
ZERO MULLION PART # 9000E



ZERO MULLION PART # 9010



ZERO MULLION PART # 9004E



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**ZERO MULLION  
 DETAILS**

**REVISIONS**

No.	DESCRIPTION	DATE

○ = DETAIL LOCATION

**CERTIFICATION**

*[Signature]*  
 FEB 16 2005

**WILLIAM D. COOK, P.E.**  
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