



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

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

Your application for Notice of Acceptance (NOA) of:

Aluminum Tube 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 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.: 01-1226.14
EXPIRES: 01/25/2007

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: 01/31/2002

NOTICE OF ACCEPTANCE: SPECIFIC CONDITIONS

1. SCOPE

1.1 This renews Notice of Acceptance (NOA) No. **00-0301.01**, which was issued on September 28, 2000. It renews the approval of an aluminum tube mullions, as described in Section 2 of this NOA, 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 Tube Mullions** and its components shall be constructed in strict compliance with the following document: Drawing No **M00-01**, Sheets 1 through 7 of 7, titled "Aluminum Tube Mullion," prepared by manufacturer, dated 12/17/01, signed and sealed by Francisco Hernandez, P.E., bearing the Miami-Dade County Product Control renewal stamp with the NOA number and expiration date by the Miami-Dade County Product Control Division. This document shall hereinafter be referred to as the approved drawings.

3. LIMITATIONS

- 3.1 The design pressure for the mullion and anchor selected must each meet or exceed the pressure requirement for the opening in which it is to be installed.
- 3.2 This approval applies to structural mullions to be installed vertically or horizontally, as shown in the approved drawings.
- 3.3 Mullions are to be used only to support windows and doors, with a current Notice of Acceptance.

4. INSTALLATION

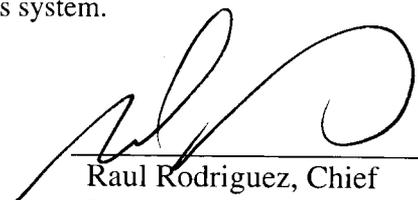
- 4.1 The structural mullion system and its components shall be installed in strict compliance with the approved drawings.
- 4.2 This mullion can be installed as part of an impact resistant unit.

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.



Raul Rodriguez, Chief
Product Control Division

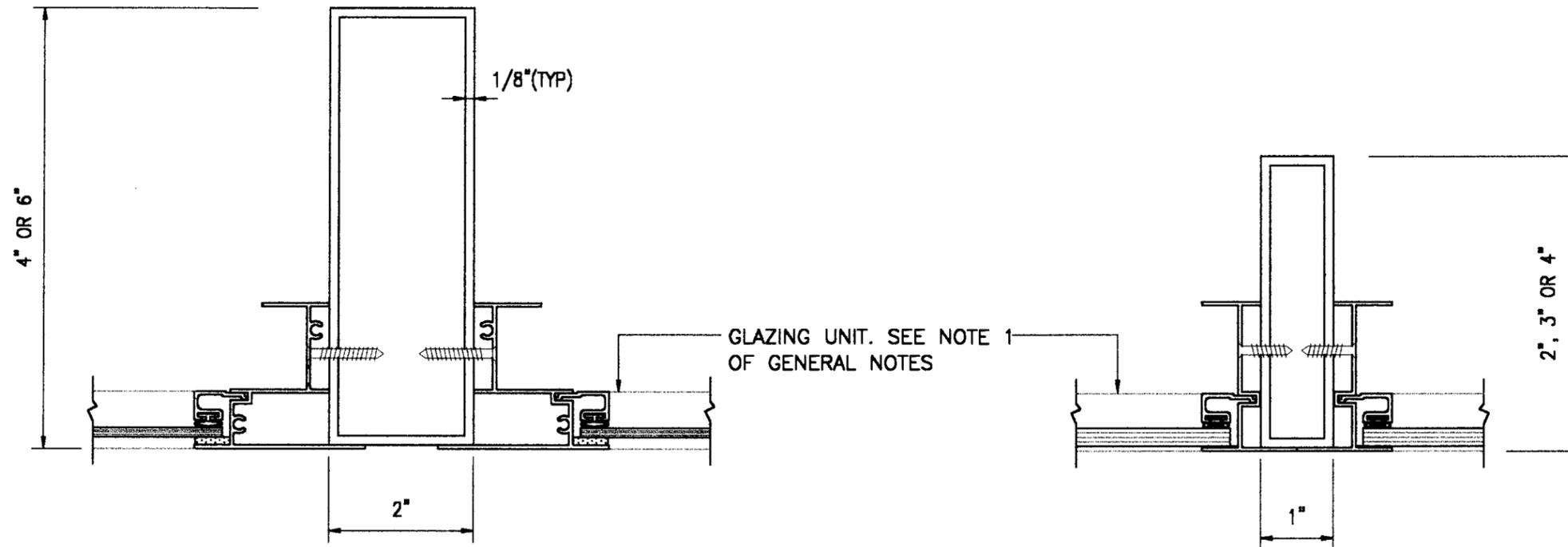
NOTICE OF ACCEPTANCE: STANDARD CONDITIONS

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.

END OF THIS ACCEPTANCE



Raul Rodriguez, Chief
Product Control Division



MULLION APPLICATIONS
VERTICAL OR HORIZONTAL

PROCEDURE FOR MULLION SELECTION

1. DETERMINE DESIGN PRESSURE BY COMPUTING THE WIND LOAD IN PSF ON MULLION AS PER FLORIDA BUILDING CODE.
2. USE GRAPHS ON SHEETS No.2 AND 3 TO DETERMINE THE MULLION SIZE REQUIRED TO ACHIEVE THE DESIGN PRESSURE.
3. USE GRAPHS ON SHEET No. 4 TO DETERMINE THE TYPE OF CONNECTION BETWEEN MULLION AND STRUCTURE REQUIRED TO ACHIEVE THE DESIGN PRESSURE.

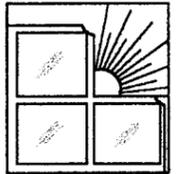
GENERAL NOTES:

1. MULLIONS SHALL BE USED ALONG WITH MIAMI DADE APPROVED GLAZING UNITS.
2. TUBE MATERIAL SHALL BE ALUMINUM ALLOY 6063-T5.
3. FOR DETAILS OF ATTACHMENT BETWEEN MULLION AND STRUCTURE REFER TO SHEETS No.5 AND 6 OF THIS PRODUCT APPROVAL.
4. DESIGN PRESSURES SHOWN ON GRAPHS ARE BASED ONLY ON TUBE STRENGTH. NO CONTRIBUTION OF ATTACHED GLAZING UNITS ARE CONSIDERED.

PRODUCT RENEWED

ACCEPTANCE No. 01-1226-14
 EXPIRATION DATE January 25, 2007
 By [Signature]
 PRODUCT CONTROL DIVISION
 BUILDING CODE COMPLIANCE OFFICE

[Signature]
 12-17-01
 FRANCISCO HERNANDEZ
 FL PE # 51393



Sunshine Windows
Manufacturing, Inc.

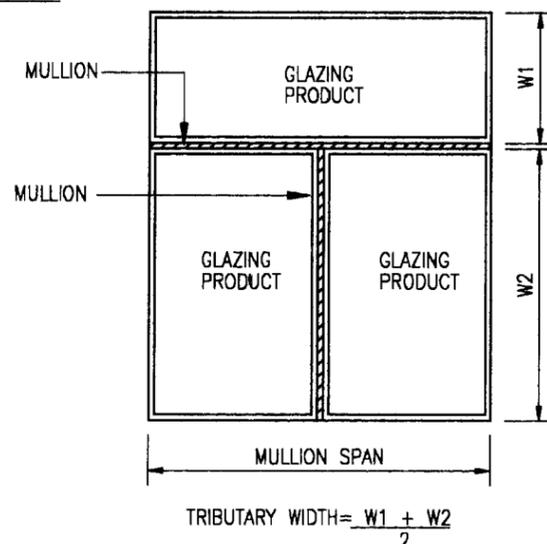
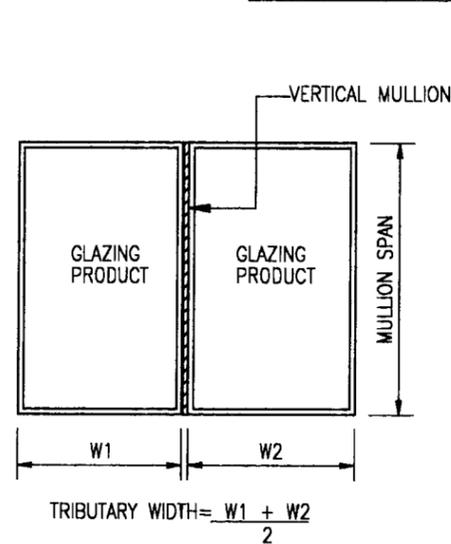
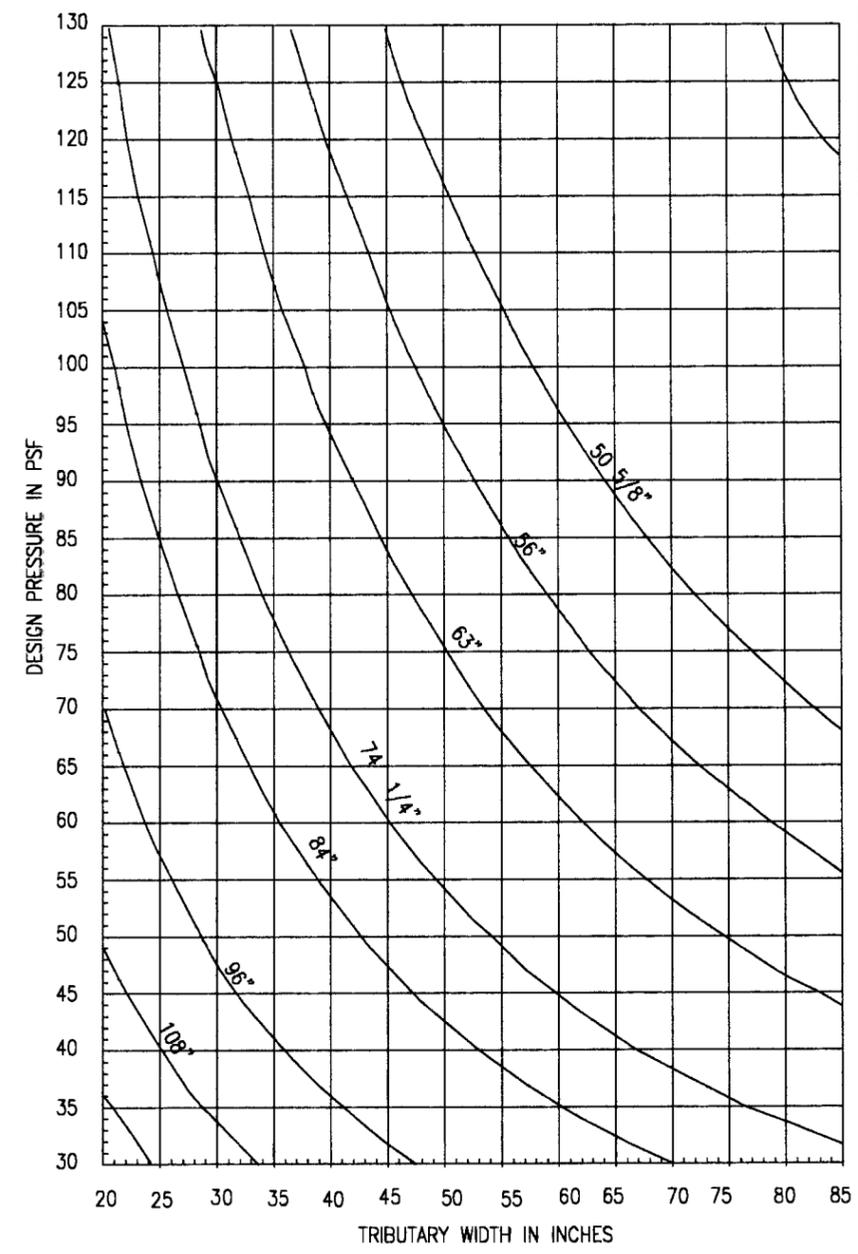
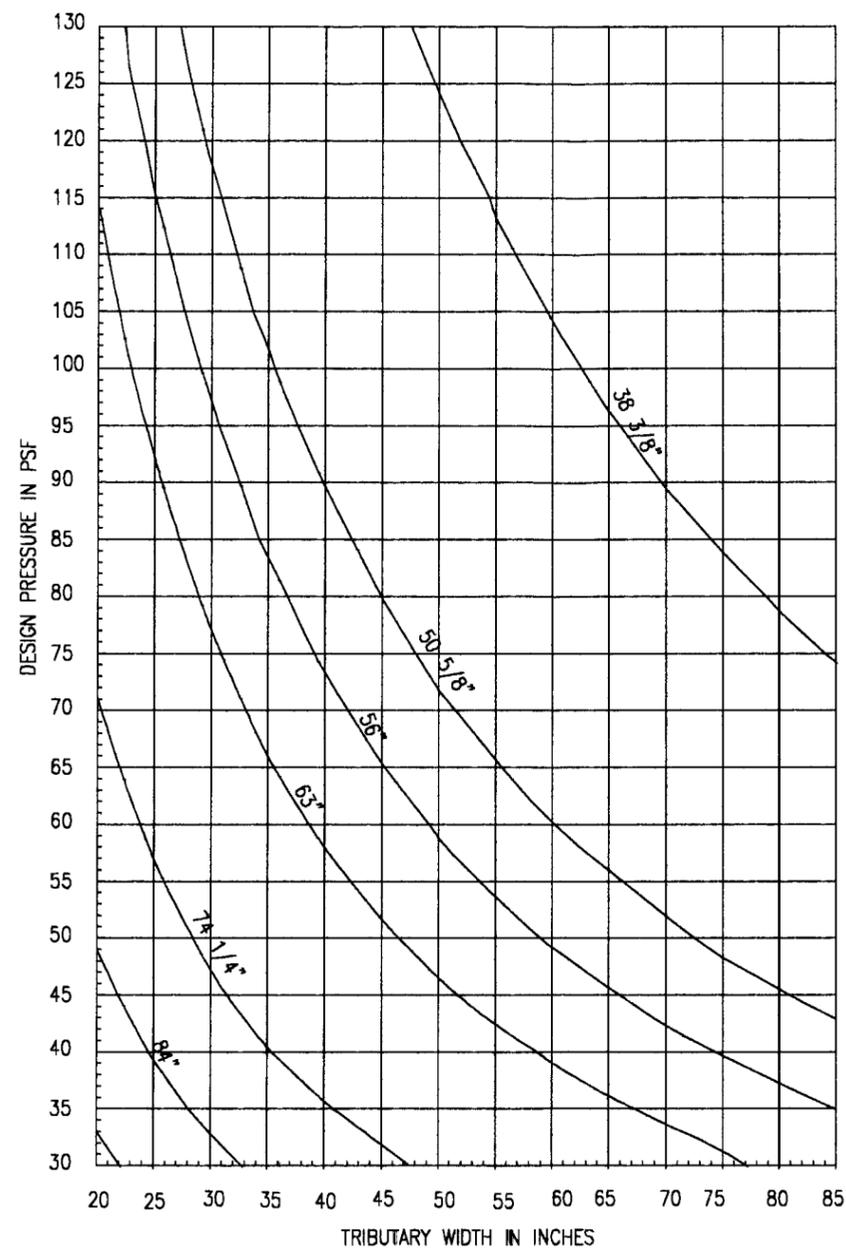
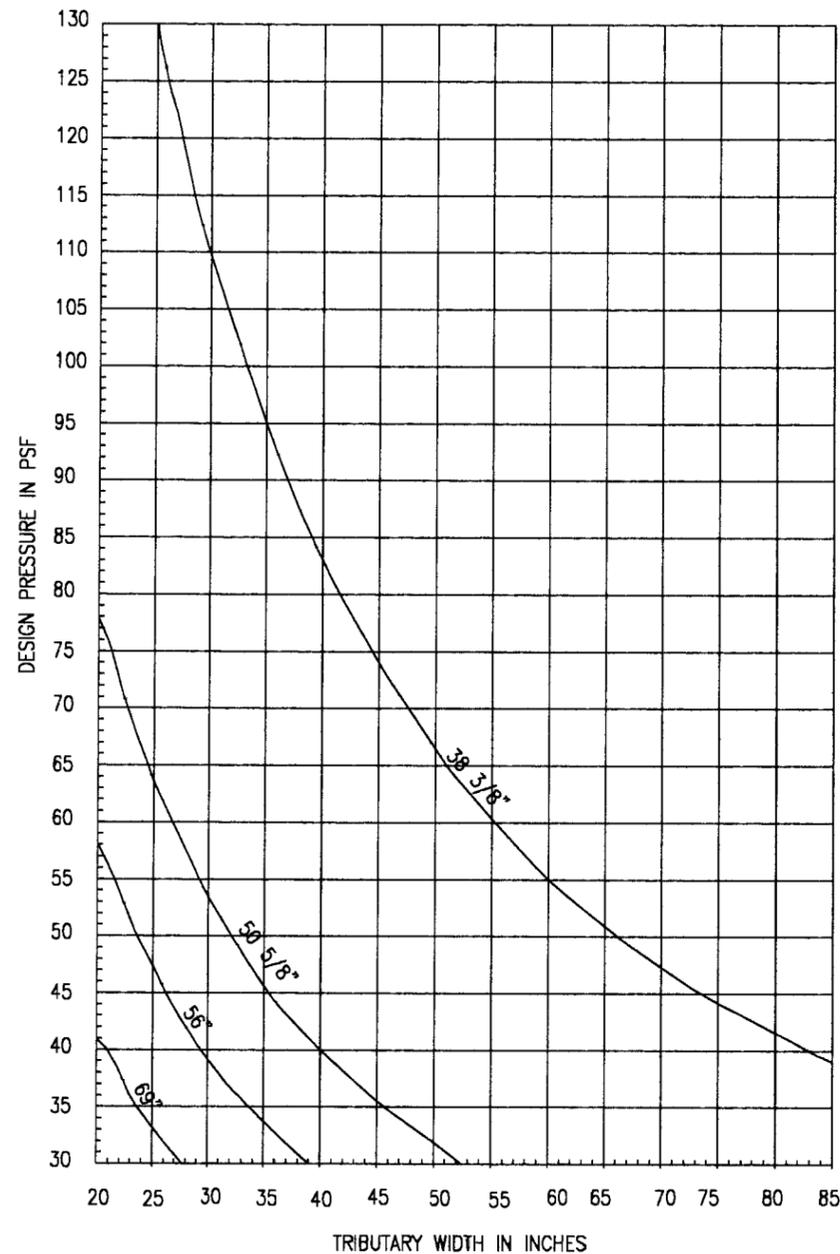
1745 W. 33rd Place
Hialeah, Florida 33012
Ph: (305)364-9952
Fax: (305)828-5118

ALUMINUM TUBE MULLION

Drawn By: MH
 Date: 12-17-01
 Scale: 1/2"=1"
 Revision: _____
 Revision: _____

DRAWING NO.
M00-01

SHEET
1 OF 7



NOTE: NUMBERS ON CURVES DENOTE MULLION SPAN

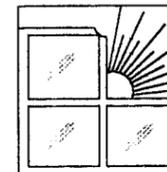
PRODUCT RENEWED

ACCEPTANCE No. 01-1226-04

EXPIRATION DATE January 25, 2007

By *[Signature]*
 PRODUCT CONTROL DIVISION
 BUILDING CODE COMPLIANCE OFFICE

[Signature]
 12-17-01
 FRANCISCO HERNANDEZ
 FL. PE # 51393



Sunshine Windows
 Manufacturing, Inc.

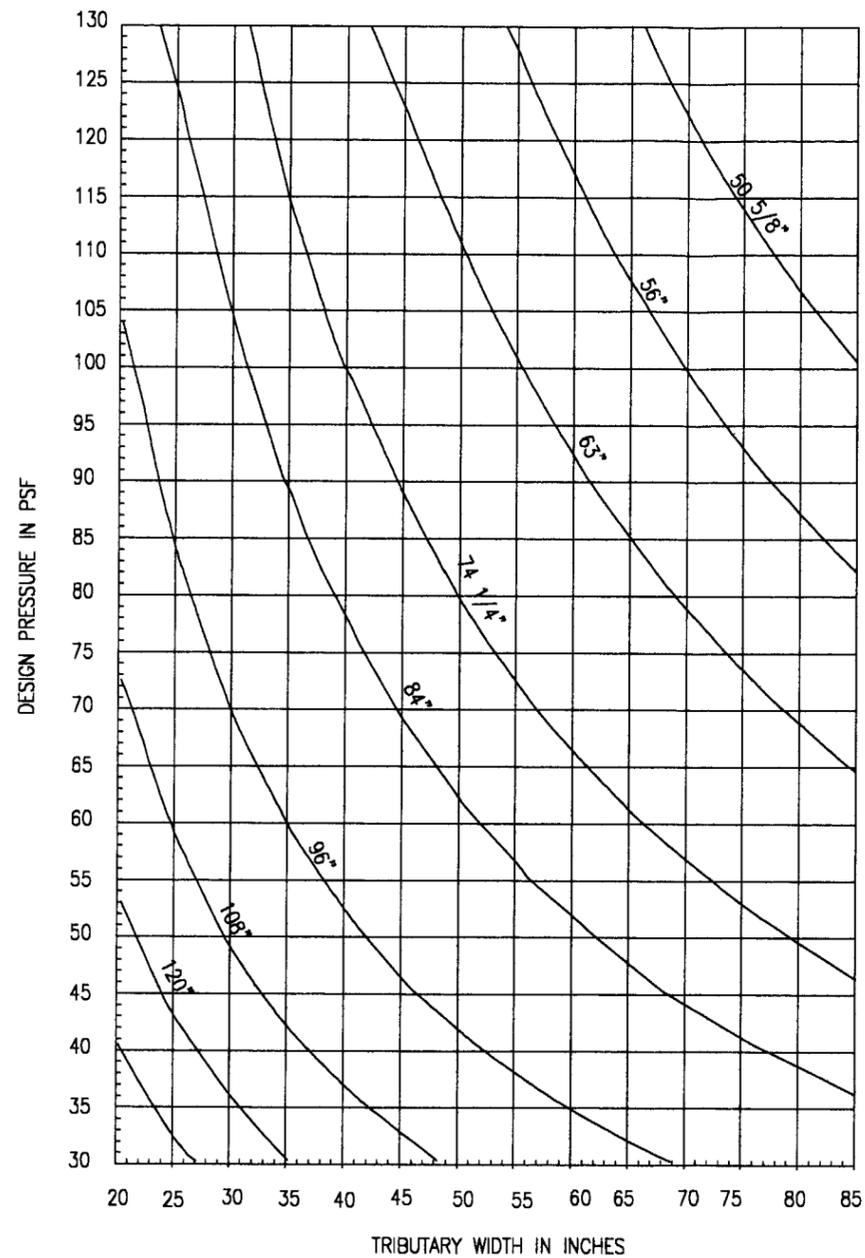
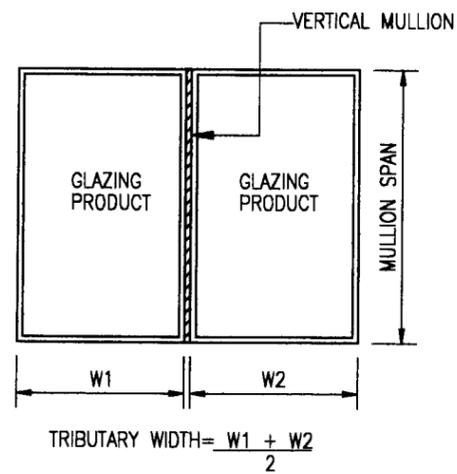
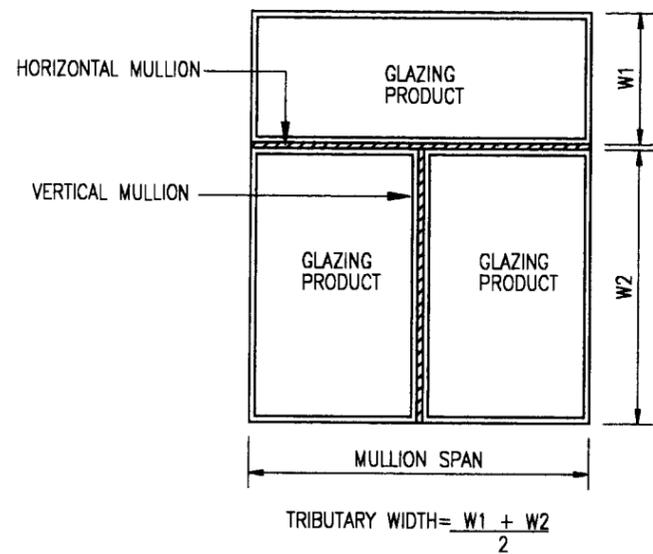
1745 W. 33rd Place
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 Ph: (305)364-9952
 Fax: (305)828-5118

ALUMINUM TUBE MULLION

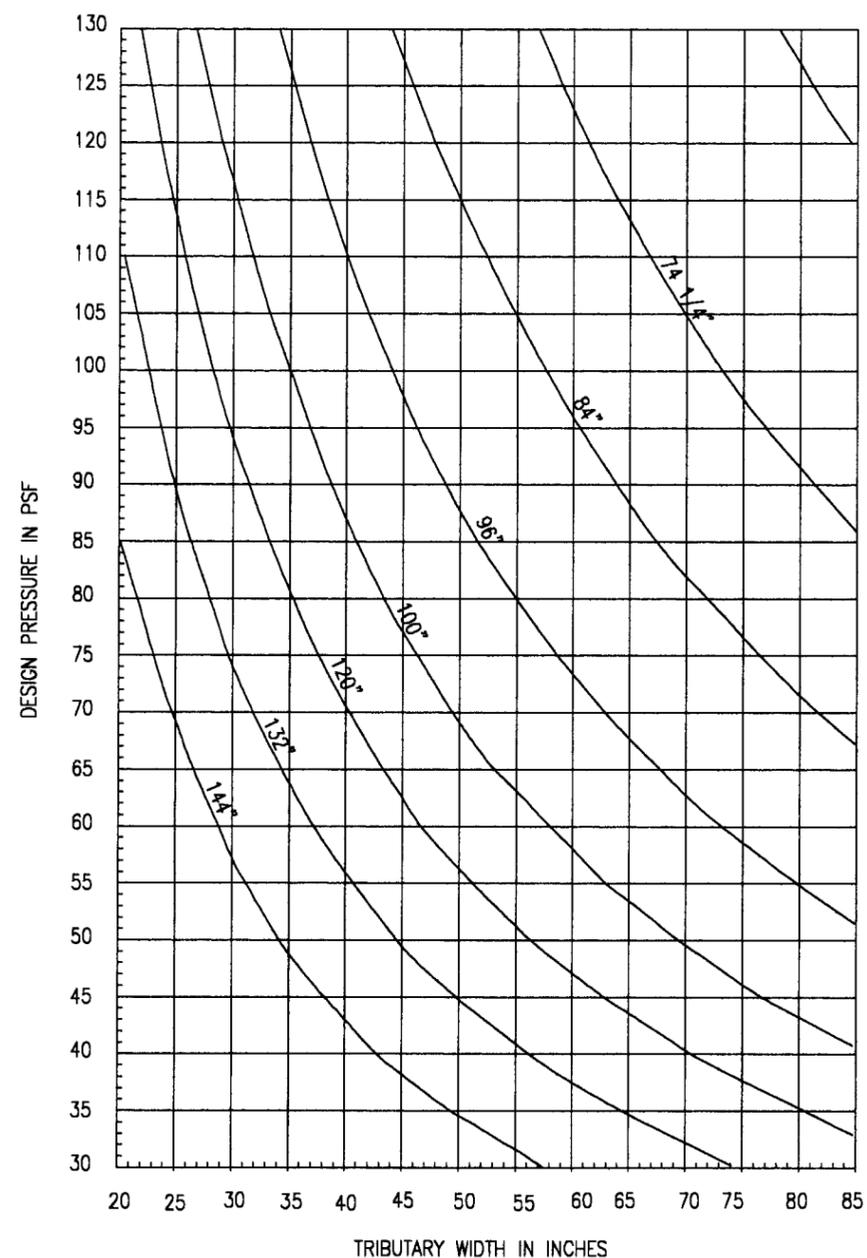
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DRAWING NO.
 M00-01

SHEET
 2 OF 7

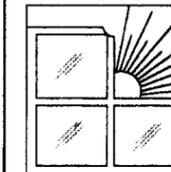


2" X 4" X 1/8" MULLION



2" X 6" X 1/8" MULLION

NOTE: NUMBERS ON CURVES DENOTE MULLION SPAN



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Revision: _____

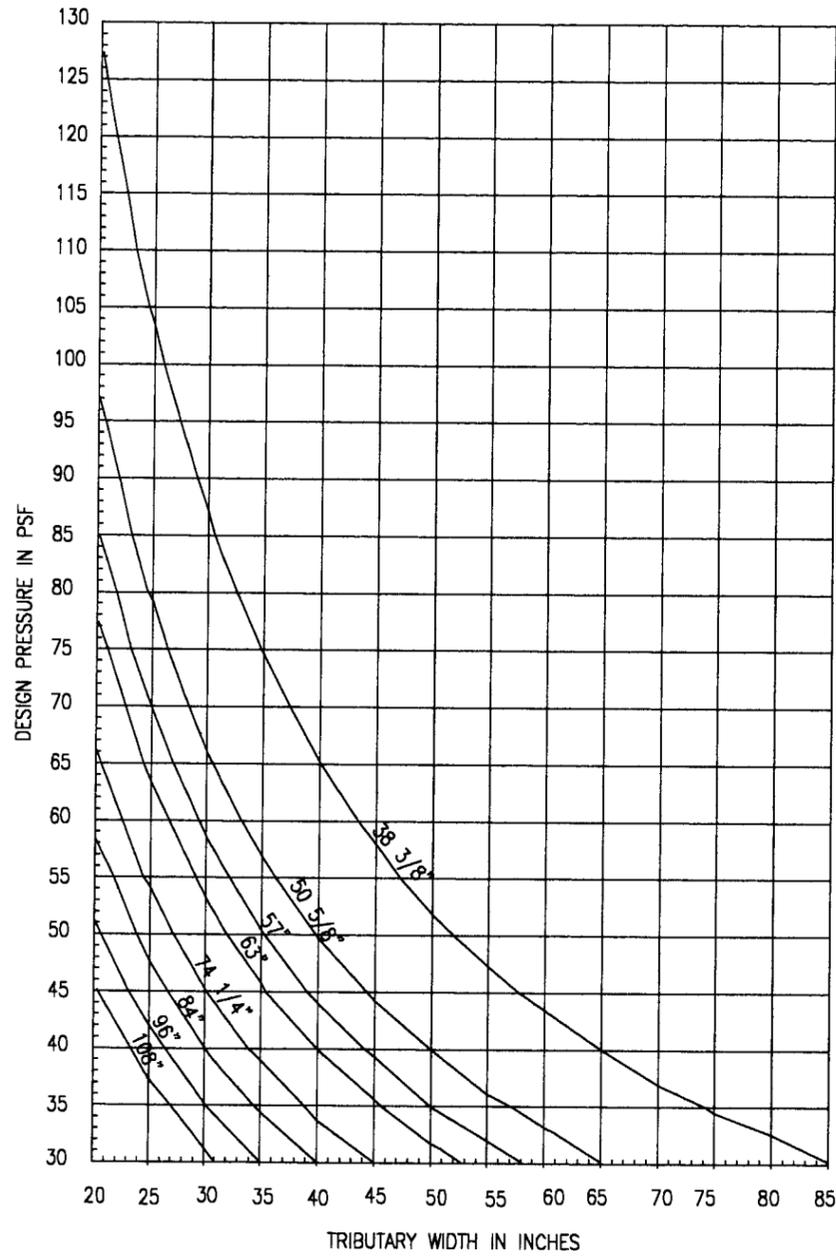
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SHEET
3 OF 7

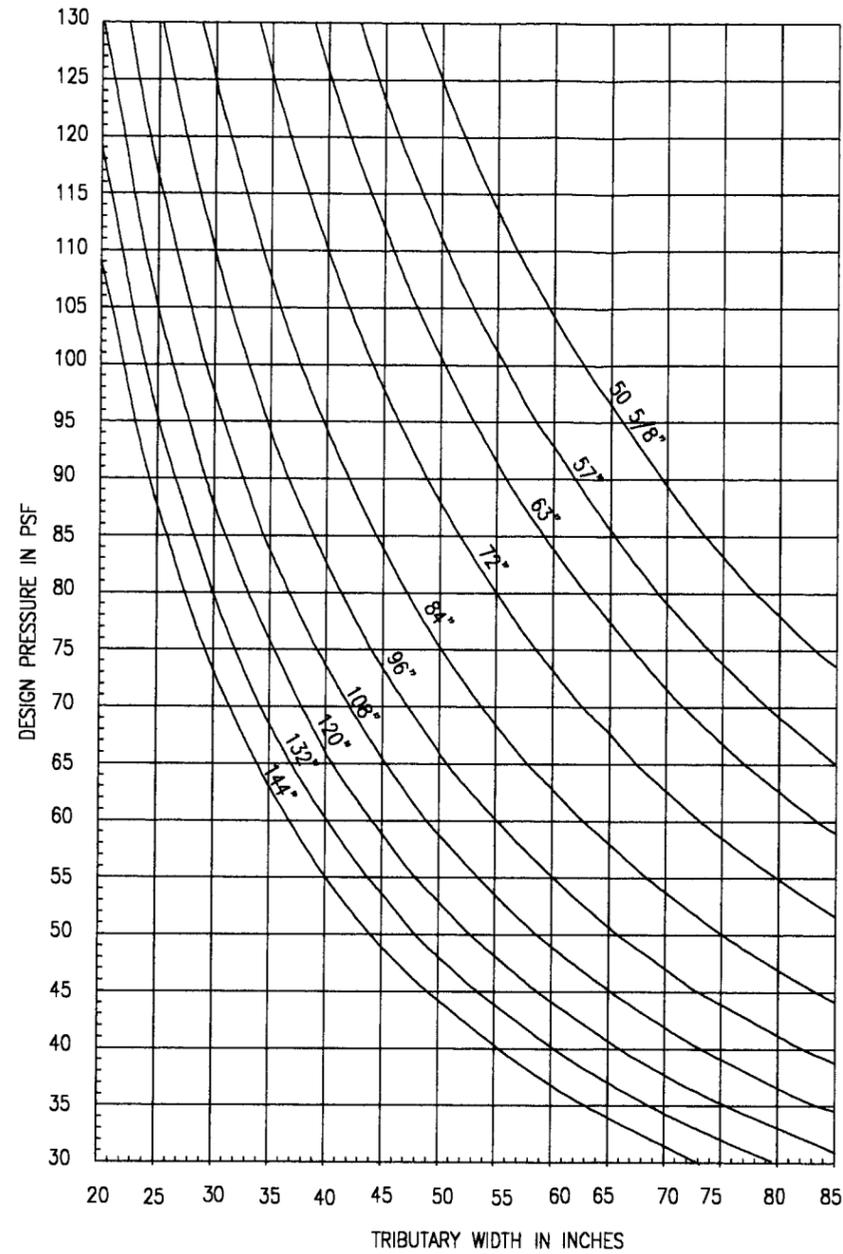
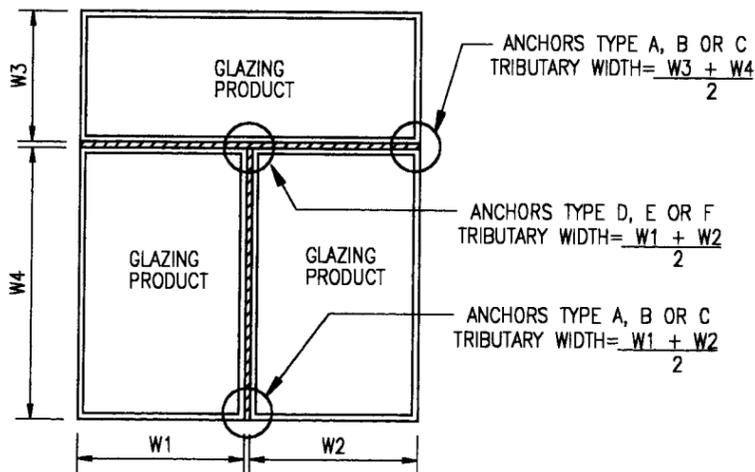
PRODUCT RENEWED

ACCEPTANCE No. 01-1226.14
EXPIRATION DATE January 25, 2007
By: *[Signature]*
PRODUCT CONTROL DIVISION
BUILDING CODE COMPLIANCE OFFICE

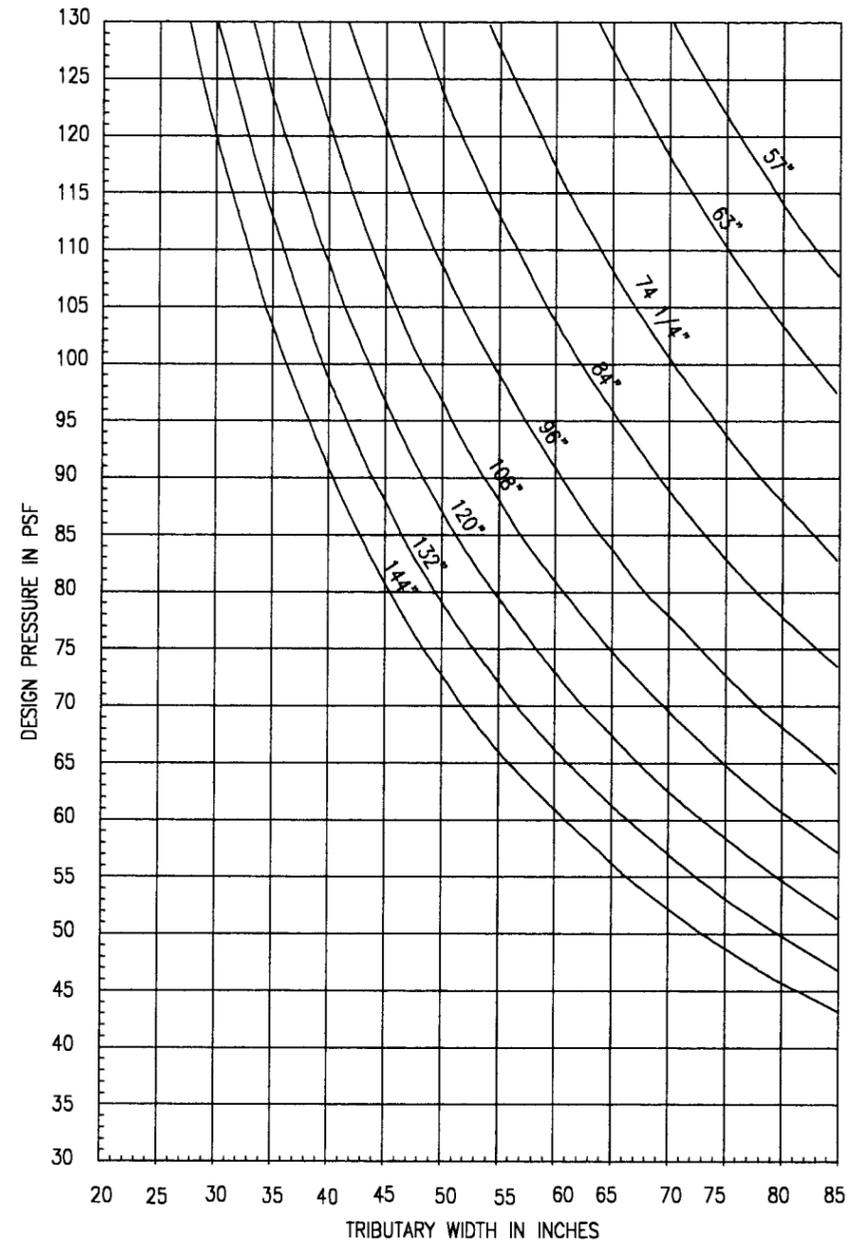
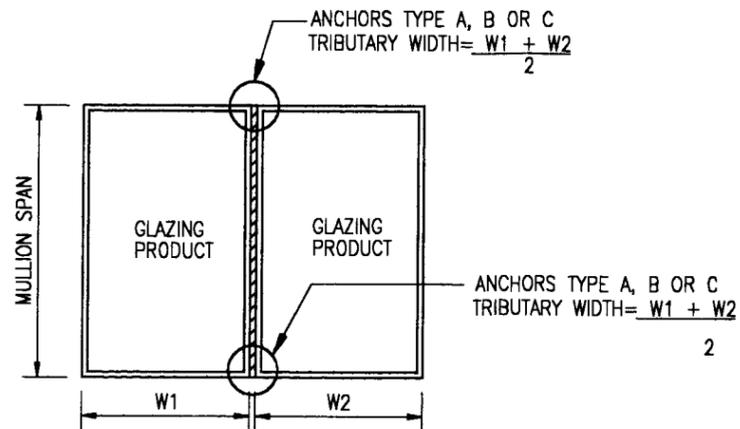
[Signature]
12-17-01
FRANCISCO HERNANDEZ
FL. PE # 51393



ANCHOR TYPE A & D



ANCHOR TYPE B & E

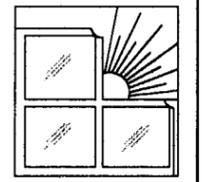


ANCHOR TYPE C & F

NOTE: NUMBERS ON CURVES DENOTE MULLION SPAN

PRODUCT RENEWED
 ACCEPTANCE No. 01-1226.14
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 By: [Signature]
 PRODUCT CONTROL DIVISION
 BUILDING CODE COMPLIANCE OFFICE

[Signature]
 12-17-01
 FRANCISCO HERNANDEZ
 FL PE # 51393



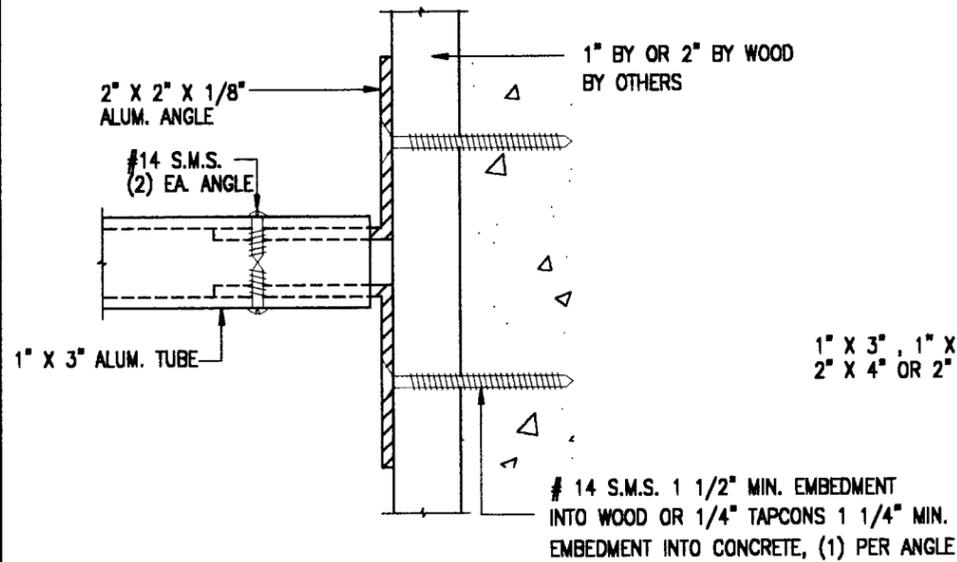
Sunshine Windows
 Manufacturing, Inc.
 1745 W. 33rd Place
 Hialeah, Florida 33012
 Ph: (305)364-9952
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ALUMINUM TUBE MULLION

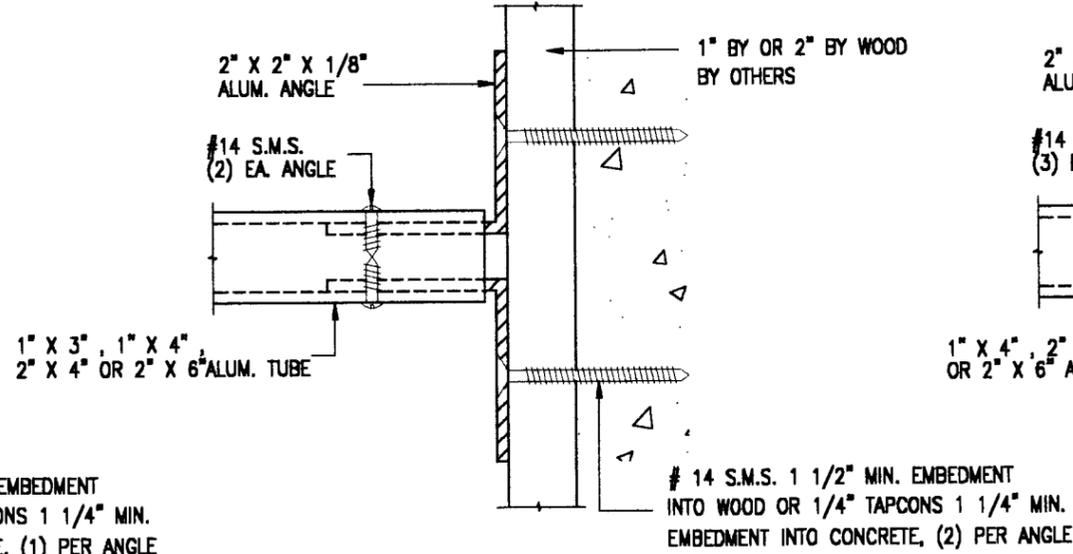
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DRAWING NO.
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 SHEET
 4 OF 7

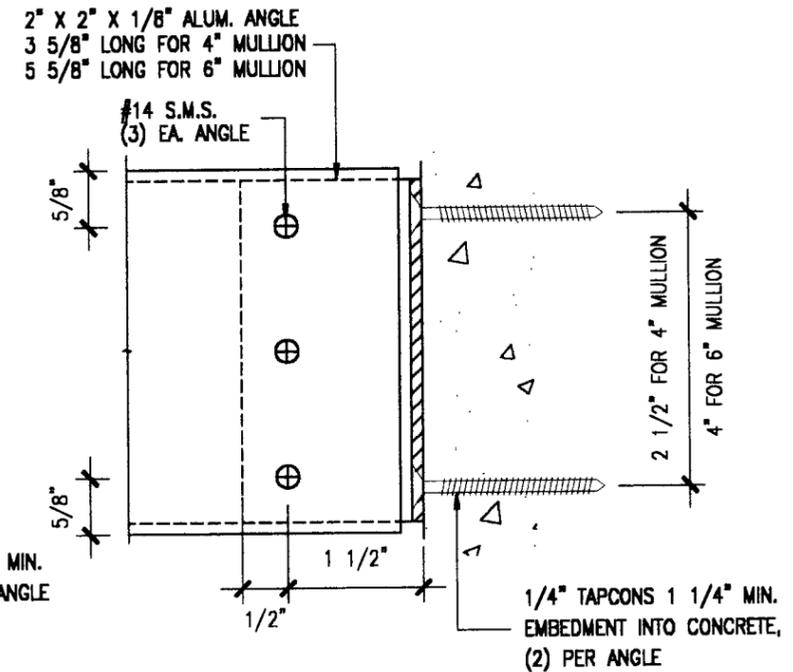
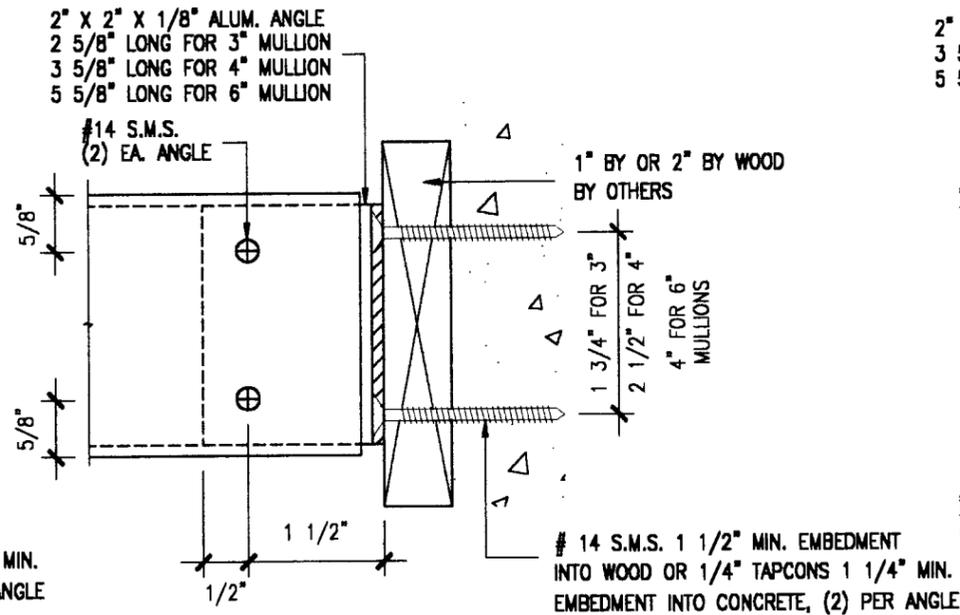
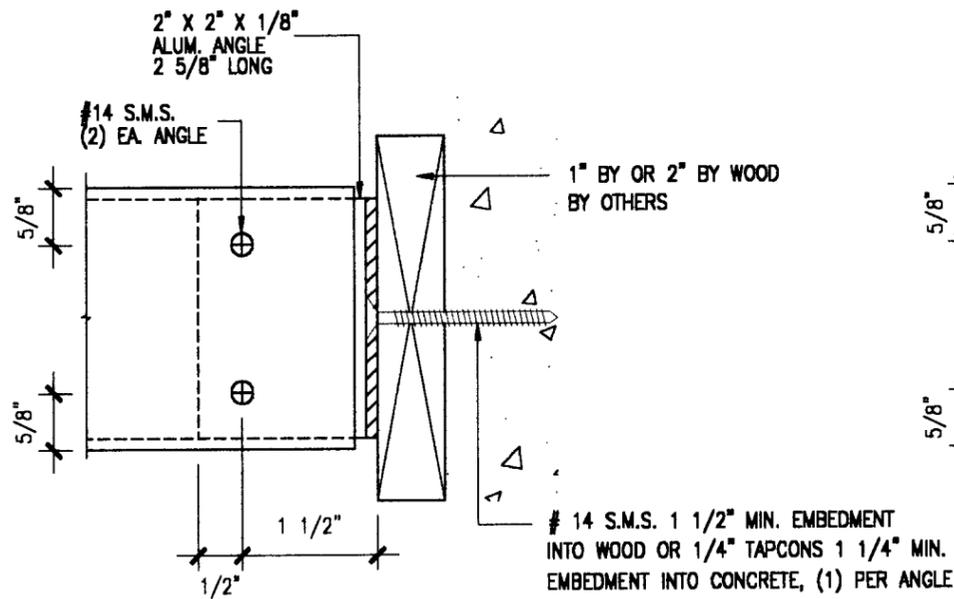
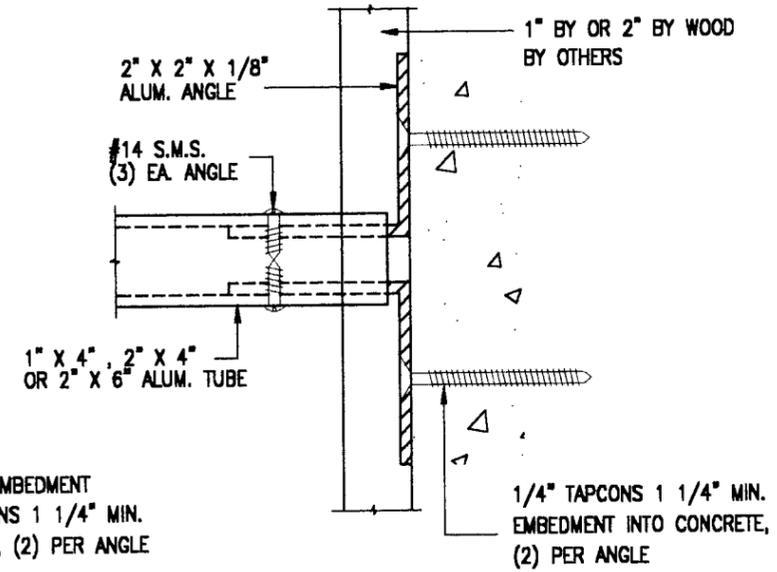
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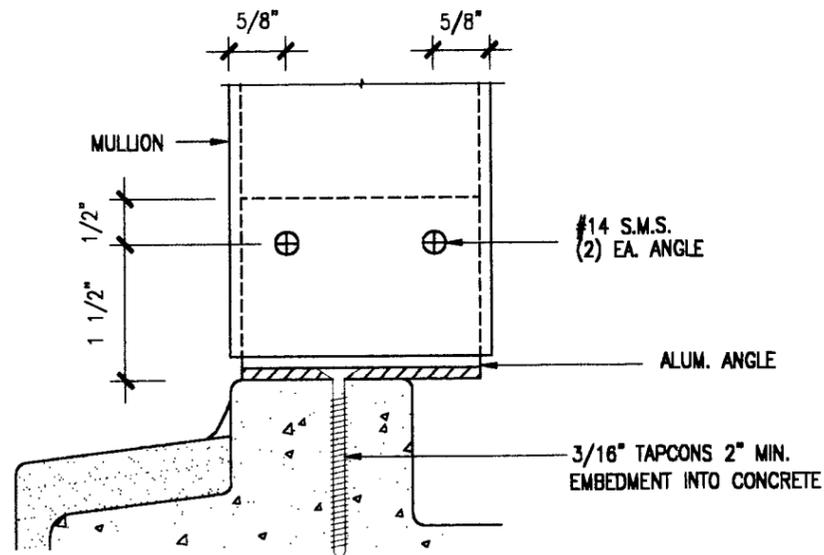
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ANCHOR TYPE "C"



DETAIL OF ATTACHMENT TO PRECAST SILL



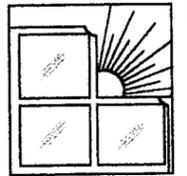
NOTE:

- 1- MULLION CONNECTIONS SHOWN ON THIS SHEET ARE APPLICABLE TO VERTICAL OR HORIZONTAL MULLIONS.
- 2- WOOD BUCKS BY OTHERS SHALL WITHSTAND ALL GLAZING SYSTEM LOADS

PRODUCT RENEWED

ACCEPTANCE No. 01-1226-14
 EXPIRATION DATE January 25, 2007
 By *[Signature]*
 PRODUCT CONTROL DIVISION
 BUILDING CODE COMPLIANCE OFFICE

[Signature]
 12-17-01
 FRANCISCO HERNANDEZ
 FL. PE # 51393



Sunshine Windows
 Manufacturing, Inc.

1745 W. 33rd Place
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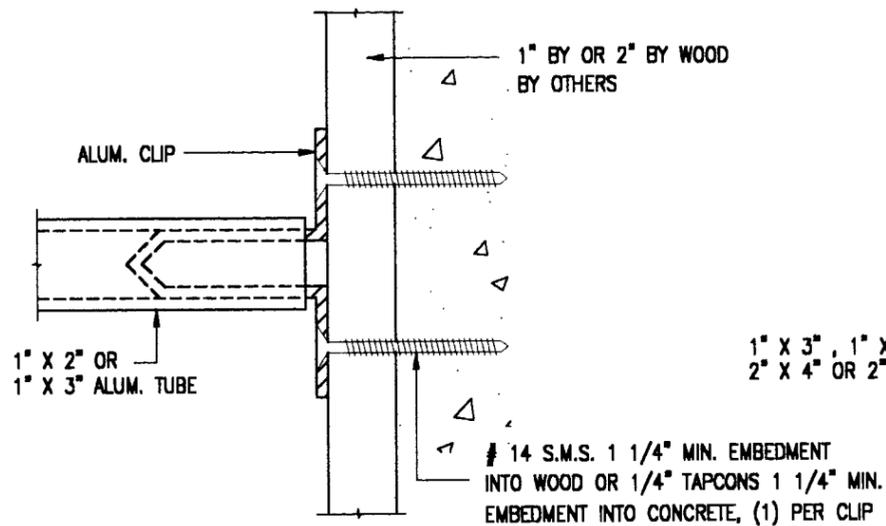
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 Scale: 1/2"=1"
 Revision: _____
 Revision: _____

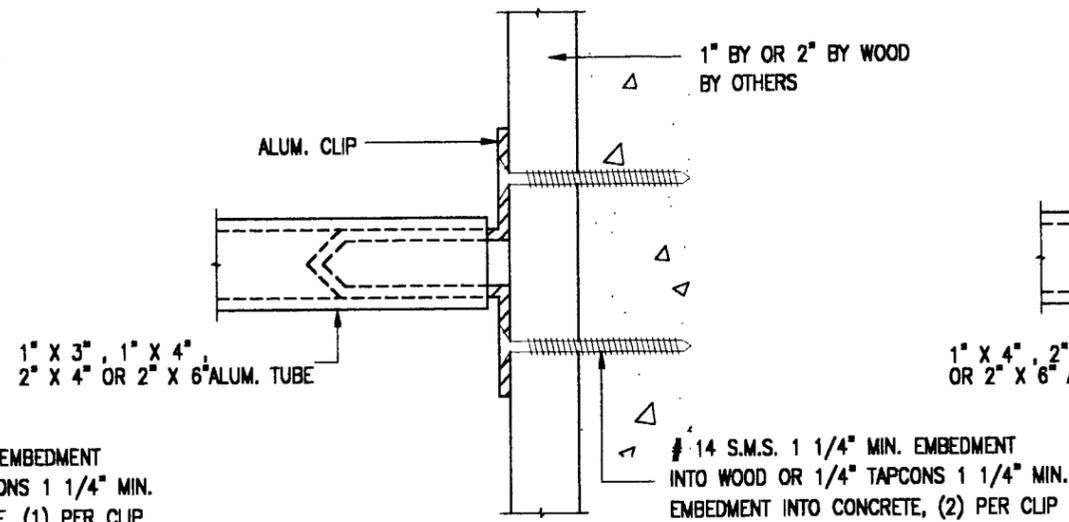
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 M00-01

SHEET
 5 OF 7

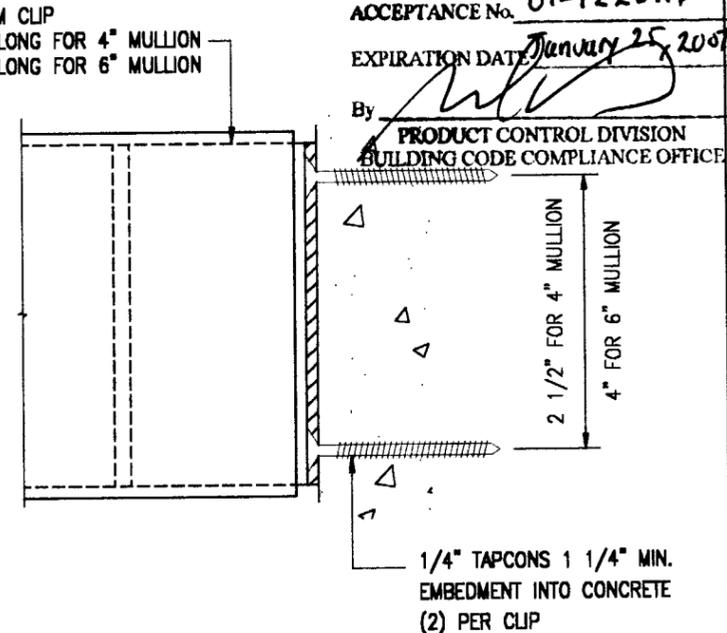
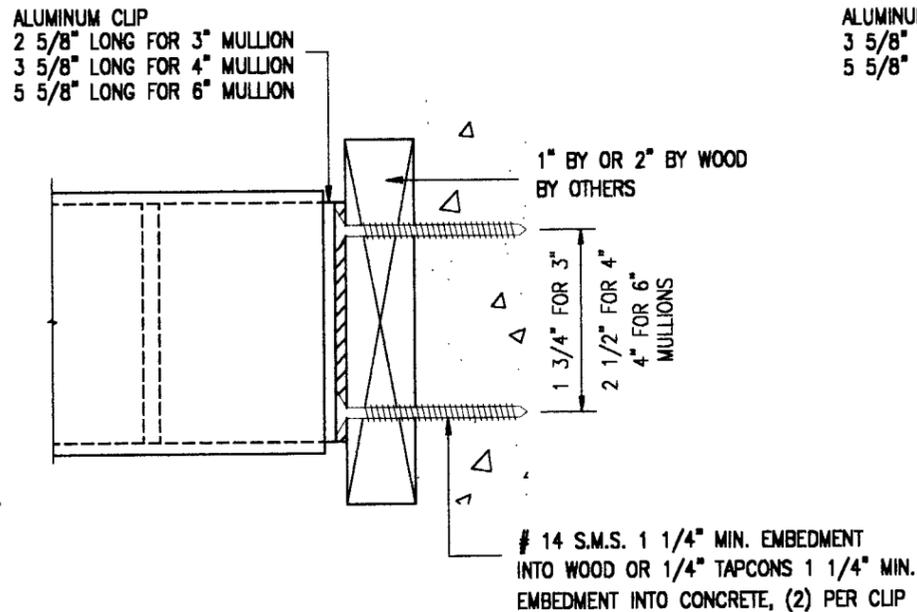
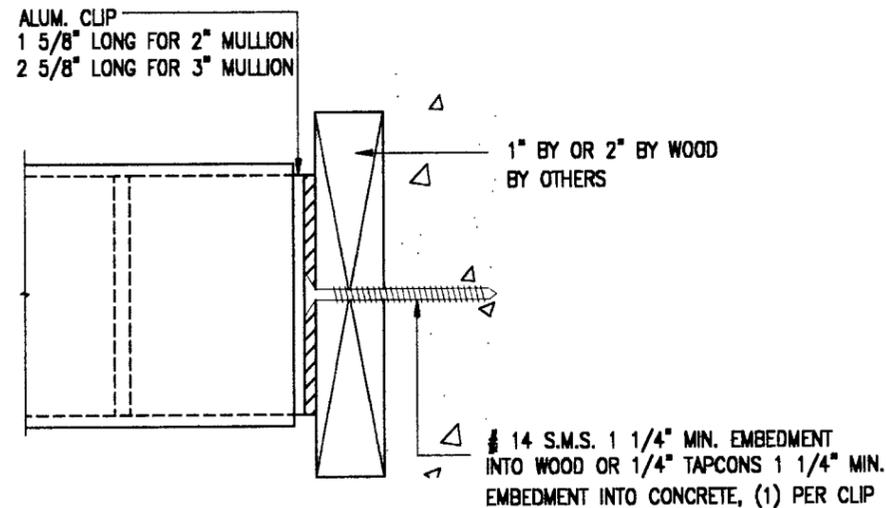
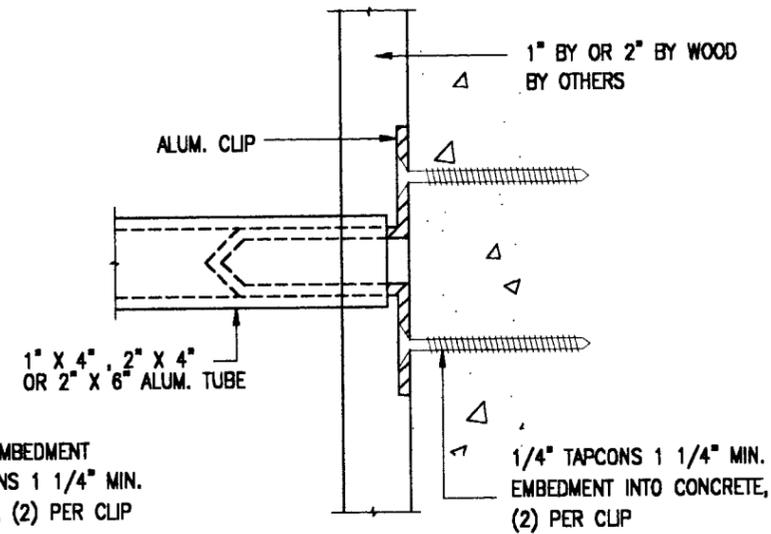
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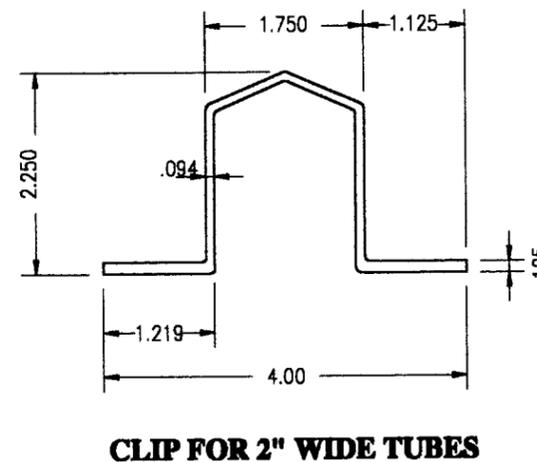
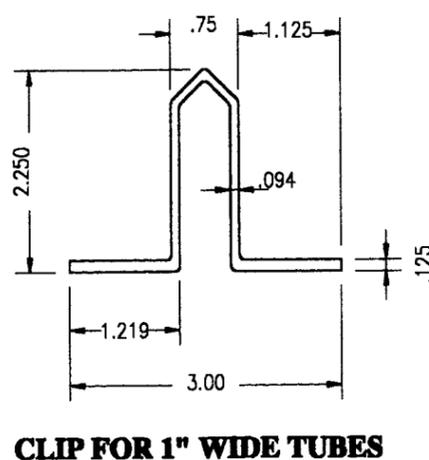
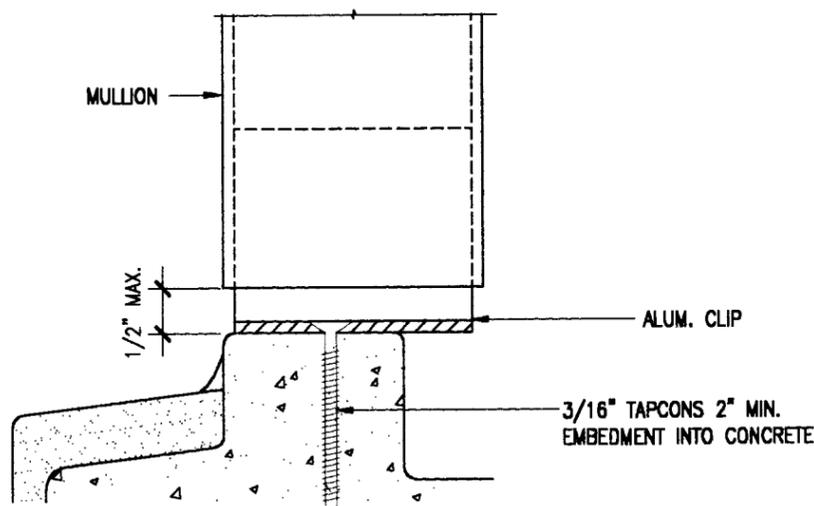
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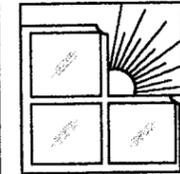
DETAIL OF ATTACHMENT TO PRECAST SILL



NOTE:

- MULLION CONNECTIONS SHOWN ON THIS SHEET ARE APPLICABLE TO VERTICAL OR HORIZONTAL MULLIONS.
- WOOD BUCKS BY OTHERS SHALL WITHSTAND ALL GLAZING SYSTEM LOADS

Francisco Hernandez
12-17-01
FRANCISCO HERNANDEZ
FL. PE # 51393



Sunshine Windows
Manufacturing, Inc.

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Ph: (305)384-9952
Fax: (305)828-5118

PRODUCT RENEWED

ACCEPTANCE No. 01-1226.14

EXPIRATION DATE January 25, 2007

By *[Signature]*

PRODUCT CONTROL DIVISION
BUILDING CODE COMPLIANCE OFFICE

ALUMINUM TUBE MULLION

Drawn By: MH

Date: 12-17-01

Scale: 1/2" = 1"

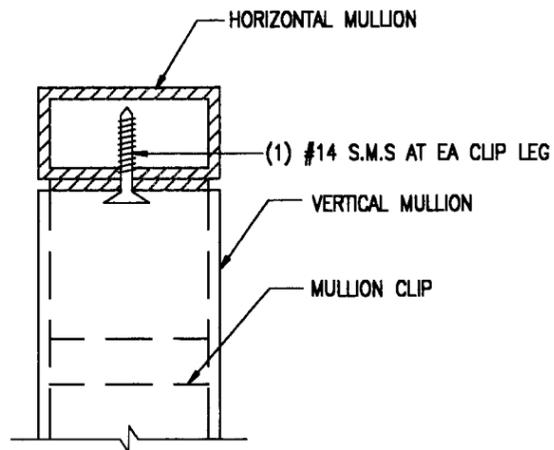
Revision: _____

Revision: _____

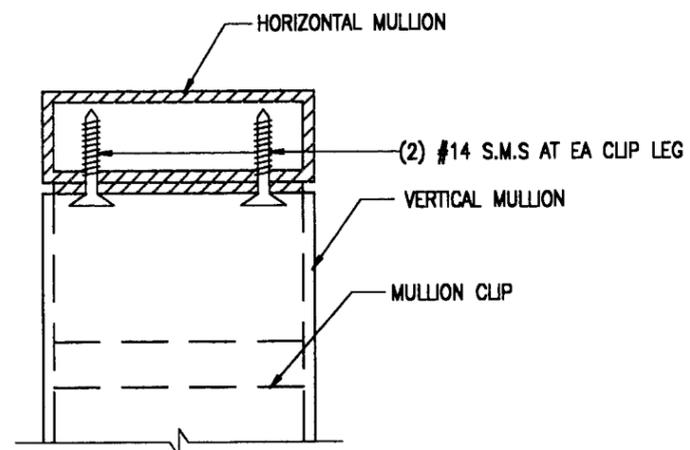
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M00-01

SHEET
6 OF 7

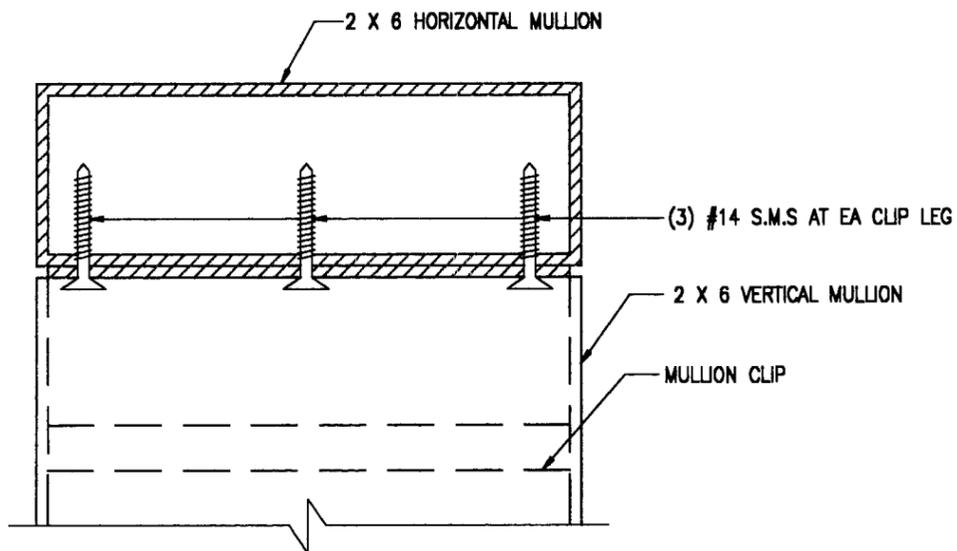
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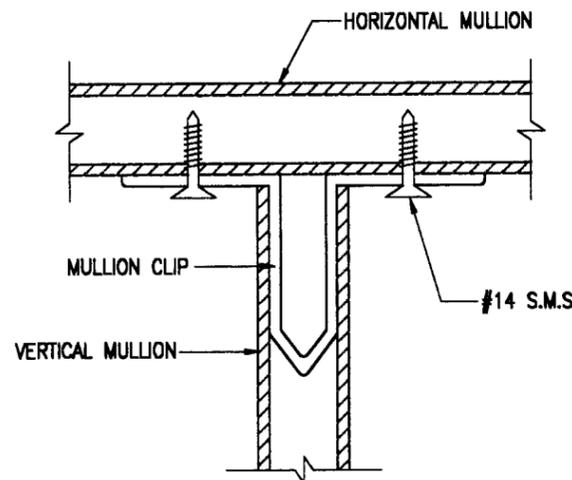
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ANCHOR TYPE " F "

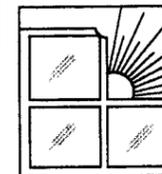


TYPICAL SECTION



PRODUCT RENEWED

ACCEPTANCE No. 01-1226-14
 EXPIRATION DATE January 25, 2007
 By: [Signature]
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 BUILDING CODE COMPLIANCE OFFICE



Sunshine Windows
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 Fax: (305)828-5118

ALUMINUM TUBE MULLION

Drawn By: MH
 Date: 12-17-01
 Scale: 1/2"=1"
 Revision: _____
 Revision: _____

DRAWING NO.
M00-01

SHEET
7 OF 7

DETAILS OF MULLION TO MULLION CONNECTION

[Signature]
 12-17-01
 FRANCISCO HERNANDEZ
 FL PE # 51393