



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

All Broward Hurricane Panel Co.
450 West McNab Road
Ft. Lauderdale ,FL 33309

Your application for Notice of Acceptance (NOA) of:

Aluminum Bahama Sun Shade

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.: 01-0423.03
EXPIRES: 09/07/2006

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: 06/14/2001

All Broward Hurricane Panel, Inc.

ACCEPTANCE No. : 01-0423.03

APPROVED : 06/14/2001

EXPIRES : 09/07/2006

NOTICE OF ACCEPTANCE: SPECIFIC CONDITIONS

1. **SCOPE**

This **renews** the Notice of Acceptance No. 98-0724.10, which was issued on September 17, 1998. It approves an Aluminum Bahama Sun Shade, 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**

This Aluminum Bahama Sun Shade and its components shall be constructed in strict compliance with the following documents: Drawing No. 95-27, titled "Bahama Sun Shade," prepared by Knezevich and Associates, Inc., dated February 14, 1995, last revision #2 dated September 8, 1995, sheets 1 and 2 of 2, bearing the Miami-Dade County Product Control approval and renewal stamps, with the Notice of Acceptance numbers and approval dates by the Miami-Dade County Product Control Division. These documents shall hereinafter be referred to as the approved drawings.

3. **LIMITATIONS**

All permanent set components, included but not limited to embedded anchor bolts, threaded cones, metal shields, headers and sills, must be protected against corrosion, contamination and damage at all times. **THIS IS NOT AN APPROVED HURRICANE PROTECTION DEVICE. THIS IS A SUN SHADE.**

4. **INSTALLATION**

This Aluminum Bahama Sun Shade and its components shall be installed in strict compliance with the approved drawings.

5. **LABELING**

5.1 Each panel shall bear a permanent label with the manufacturer's name or logo, city, state and the following statement: "Miami-Dade County Product Control Approved".

5.2 Also, a permanent label shall be affixed to the sun shade that reads the following: **WARNING: THIS IS NOT AN APPROVED HURRICANE PROTECTION DEVICE. DURING A HURRICANE, THIS PRODUCT MAY BECOME A HAZARD AND IT MUST BE COMPLETELY REMOVED AND STORED IN A SAFE PLACE.**

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.



Helmy A. Makar, P.E.- Product Control Examiner
Product Control Division

All Broward Hurricane Panel, Inc.

ACCEPTANCE No. : 01-0423.03

APPROVED : 06/14/2001

EXPIRES : 09/07/2006

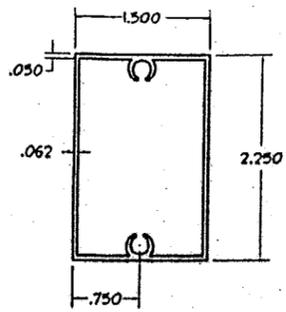
NOTICE OF ACCEPTANCE: STANDARD CONDITIONS

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 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 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 needs 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.

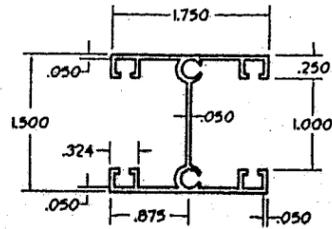
END OF THIS ACCEPTANCE



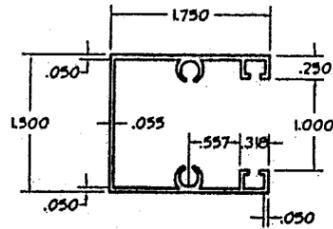
Helmy A. Makar, P.E.- Product Control Examiner
Product Control Division



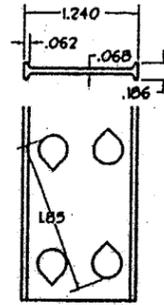
1 TOP & BOTTOM FRAME
6063-T6 ALUM. ALLOY
HALF SIZE



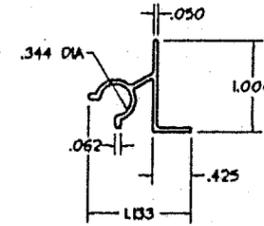
2 CENTER MULLION
6063-T6 ALUM. ALLOY
HALF SIZE



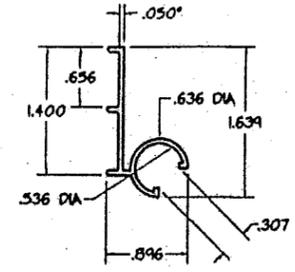
3 SIDE FRAME
6063-T6 ALUM. ALLOY
HALF SIZE



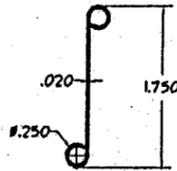
4 LOUVER PLATE
6063-T6 ALUM. ALLOY
HALF SIZE



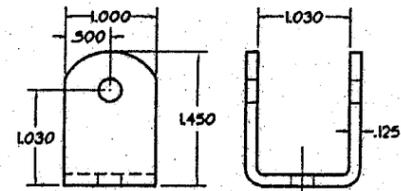
5 MALE HINGE
6063-T6 ALUM. ALLOY
HALF SIZE



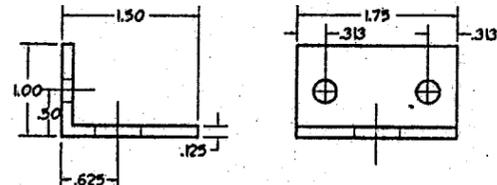
6 FEMALE HINGE
6063-T6 ALUM. ALLOY
HALF SIZE



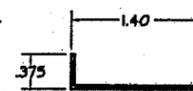
7 LOUVERS
5010-H14 ALUM. ALLOY
HALF SIZE



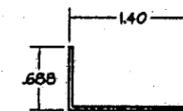
8 CAMEL BACK HINGE
6063-T6 ALUM. ALLOY
HALF SIZE



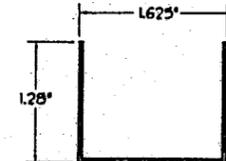
9 TIE DOWN BRACKET
6063-T6 ALUM. ALLOY
HALF SIZE



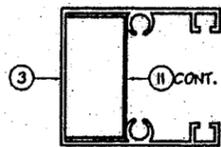
10 STIFFENER CHANNEL
ASTM A-446-89
GRADE D, G-90
18 ga. GALV. STEEL
HALF SIZE



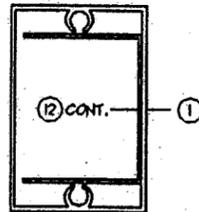
11 STIFFENER CHANNEL
ASTM A-446
GRADE D, G-90
18 ga. GALV. STEEL
HALF SIZE



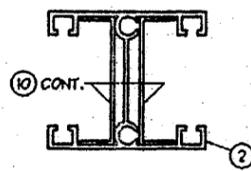
12 STIFFENER CHANNEL
ASTM A-446
GRADE D, G-90
18 ga. GALV. STEEL
HALF SIZE



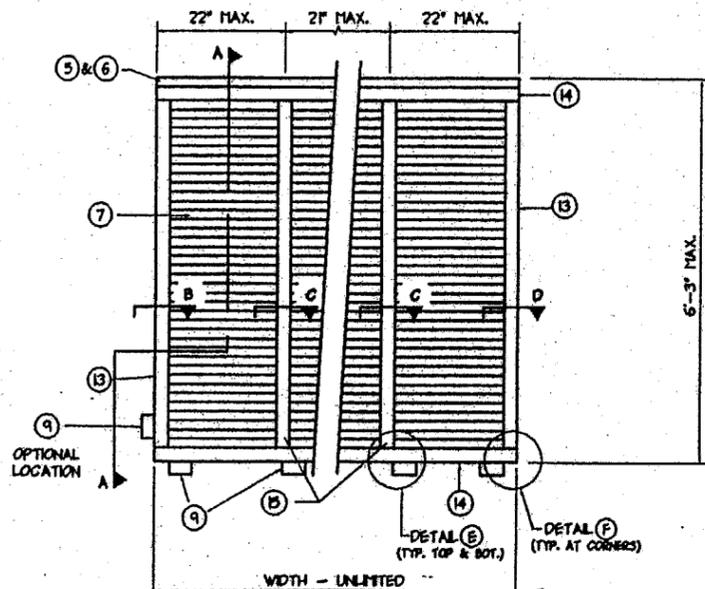
13 SIDE FRAME W/ INSERT 11
HALF SIZE



14 TOP & BOTTOM FRAME W/ INSERT 12
HALF SIZE



15 CENTER MULLION W/ INSERT 10
HALF SIZE



(ADD CENTER MULLIONS AND PIPE SUPPORTS AS REQD. MULLIONS SHALL BE @ MAX. 2' O.C. FOR WIDTHS > 65'. PIPE SUPPORT IS REQD. AT EACH MULLION. FOR WIDTHS < 65', PIPE SUPPORTS @ EACH END ARE ACCEPTABLE.)

TYPICAL ELEVATION
N.T.S.

PRODUCT RENEWED

ACCEPTANCE No. 01-0423.03

EXPIRATION DATE 09/07/2006

By *Helmut A. Mohr*
PRODUCT CONTROL DIVISION
BUILDING CODE COMPLIANCE OFFICE

PRODUCT RENEWED

ACCEPTANCE No. 98-072410

EXPIRATION DATE September 07-01

By *Helmut A. Mohr*
PRODUCT CONTROL DIVISION
BUILDING CODE COMPLIANCE OFFICE

APPROVED AS COMPLYING WITH THE
SOUTH FLORIDA BUILDING CODE

DATE SEPTEMBER 7 1995

BY *Manuel*
PRODUCT CONTROL DIVISION
BUILDING CODE COMPLIANCE OFFICE
ACCEPTANCE NO. 95-0607.04

NOTES:

- THIS BAHAMA SUN SHADE IS DESIGNED AND TESTED IN ACCORDANCE WITH THE SOUTH FLORIDA BUILDING CODE, 1994 EDITION AND THE 1994 BROWARD COUNTY EDITION AS AN AWNING FOR SHADE PURPOSES.
- THIS BAHAMA SUN SHADE IS DESIGNED AND TESTED TO RESIST DESIGN PRESSURES AS FOLLOWS:
POSITIVE DESIGN LOAD = + 22 PSF
NEGATIVE DESIGN LOAD = - 30 PSF
- POSITIVE AND NEGATIVE DESIGN PRESSURE CALCULATIONS SHALL BE PERFORMED IN ACCORDANCE WITH ASCE 7-88 OR 7-93 "MINIMUM DESIGN LOADS FOR BUILDINGS AND OTHER STRUCTURES" USING A BASIC WIND SPEED OF 75 MPH. CALCULATED DESIGN LOADS AT 75 MPH SHALL BE LESS THAN OR EQUAL TO THE RATED CAPACITY OF THE SHADE SYSTEM.
- THIS BAHAMA SUN SHADE IS DESIGNED TO BE REMOVED DURING PERIODS OF WIND VELOCITY GREATER THAN 75 MPH. THE BAHAMA SUN SHADE SHALL BE PROVIDED WITH A LEGIBLE AND READILY VISIBLE DECAL OR PAINTED INSTRUCTIONS TO THE OWNER OR TENANT AS FOLLOWS:
WARNING: THIS IS NOT AN APPROVED HURRICANE PROTECTION DEVICE. DURING A HURRICANE THIS PRODUCT MAY BECOME A HAZARD AND IT MUST BE REMOVED AND STORED IN A SAFE PLACE.
- ALUMINUM ALLOYS TO BE AS NOTED ON THESE DRAWINGS.
- ALL SCREWS AND BOLTS TO BE 2024-T4 ALUMINUM ALLOY, STAINLESS STEEL, OR GALVANIZED STEEL WITH A 33 KSI MINIMUM YIELD STRENGTH.
- ALL POP RIVETS SHALL BE 1/8" OR 3/16" DIAMETER 6061-T6 ALUMINUM ALLOY.
- THE PERMIT HOLDER SHALL VERIFY THE ADEQUACY OF THE EXISTING STRUCTURE TO SUSTAIN THE NEW SUPERIMPOSED LOADS AND TO VERIFY ALL DIMENSIONS AT THE JOB SITE BEFORE COMMENCING WITH THE WORK.



KNEZEVICH & ASSOCIATES, INC.
ENGINEERS, PLANNERS & PRODUCT TESTING
641 MIKENA DRIVE
MIAMI SPRINGS, FLORIDA, 33166
PHONE (305) 883-9571
COPYRIGHT 1994 KNEZEVICH & ASSOCIATES, INC.

BAHAMA SUN SHADE
ALL BROWARD HURRICANE PANEL CO.
450 WEST MC NAB ROAD
FT. LAUDERDALE, FL. 33309
(305) 974-3300

REVISIONS	no.	date	description	LAB COMMENTS	REV. PRODUCT TITLE
	1	3-13-95			
	2	9-8-95			

V.J. KNEZEVICH
PROFESSIONAL ENGINEER
Fl. License No.
PE 001983

Manuel
SEP - 8 1995

date 8-14-95
scale AS NOTED
drawn by J.V. HALL
design by V.K.
checked by V.K.

drawing no.
95-27
sheet 1 of 2



KNEZEVICH & ASSOCIATES, INC.
 ENGINEERS, PLANNERS & PRODUCT TESTING
 641 MOKENA DRIVE
 MIAMI SPRINGS, FLORIDA, 33166
 PHONE (305) 883-9571
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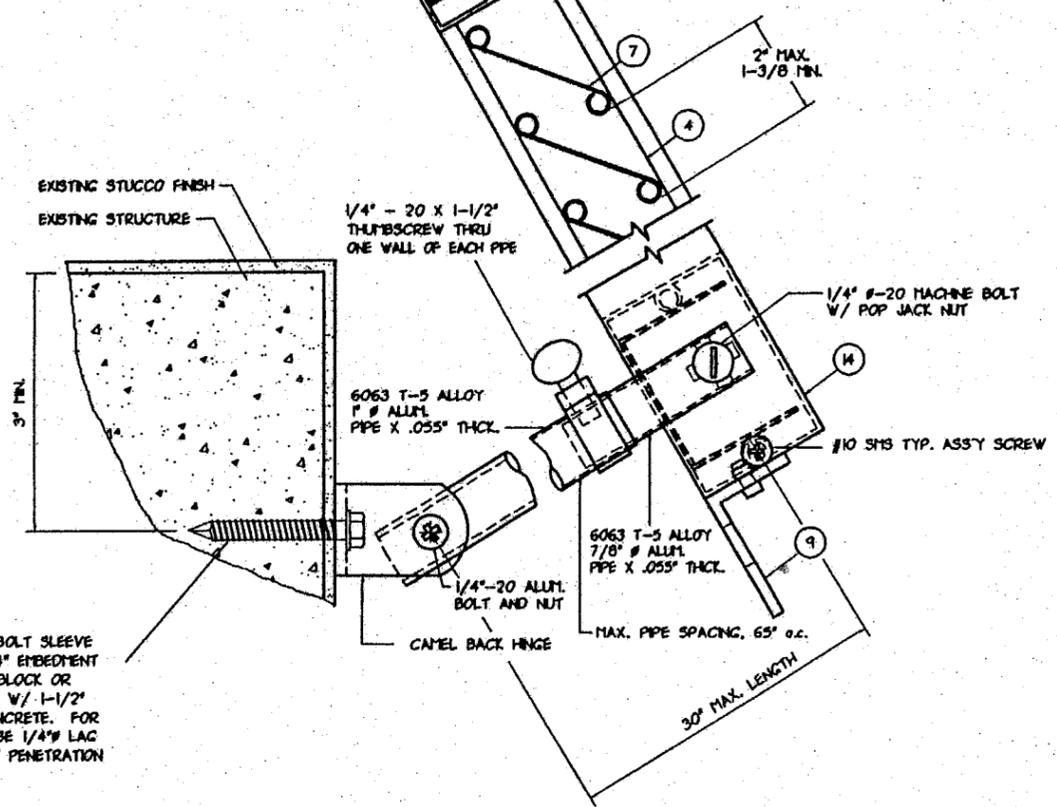
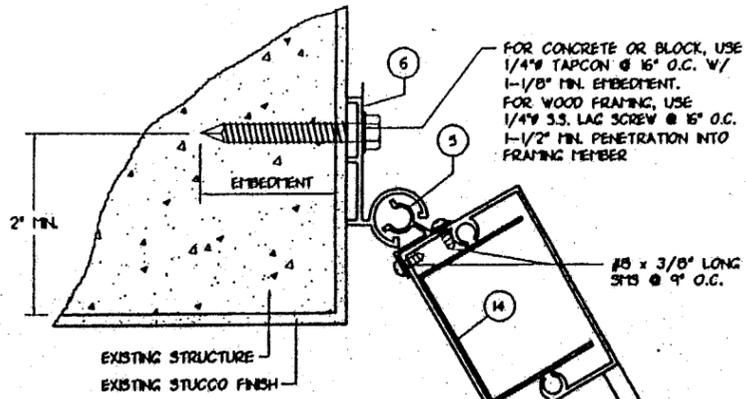
BAHAMA SUN SHADE
ALL BROWARD HURRICANE PANEL CO.
 450 WEST MC NAB ROAD
 FT. LAUDERDALE, FL, 33309
 (305) 974-3300

no	date	description
1	3-13-95	LAB COMMENTS
2	9-8-95	REV. PRODUCT TITLE

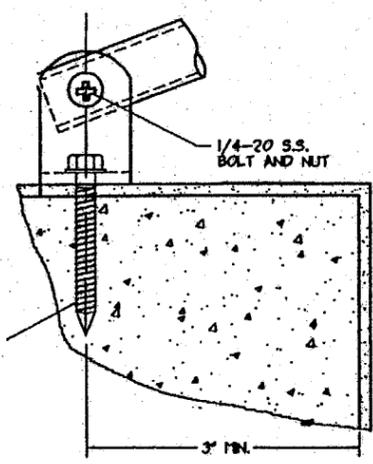
V.J. KNEZEVICH PROFESSIONAL ENGINEER	
FL License No. PE 0000933	
SEP-8 1995	
date	8-14-95
scale	AS NOTED
drawn by	J.V. HILL
design by	V.K.
checked by	V.K.
drawing no.	95-27
sheet 2 of 2	

PRODUCT RENEWED

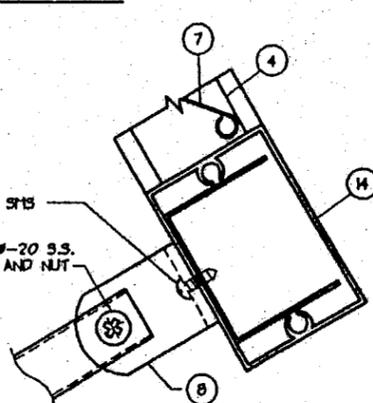
ACCEPTANCE No. 01-0423.03
 EXPIRATION DATE 09/07/2006
 By *Helmy A. Mah*
 PRODUCT CONTROL DIVISION
 BUILDING CODE COMPLIANCE OFFICE



TYPICAL WALL MOUNT SECTION A-A

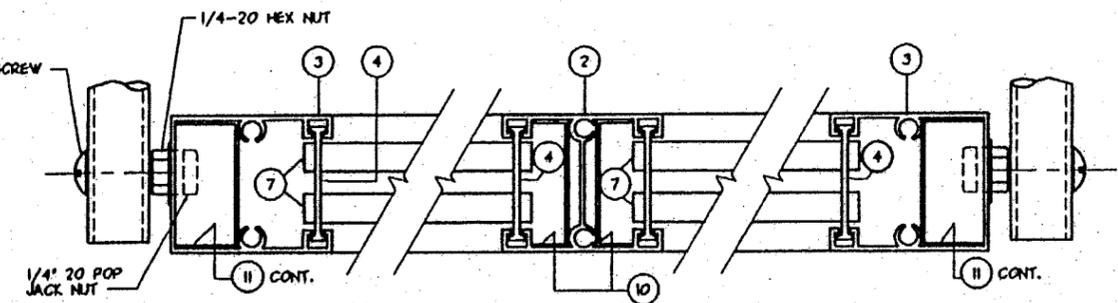


TYPICAL SILL MOUNT

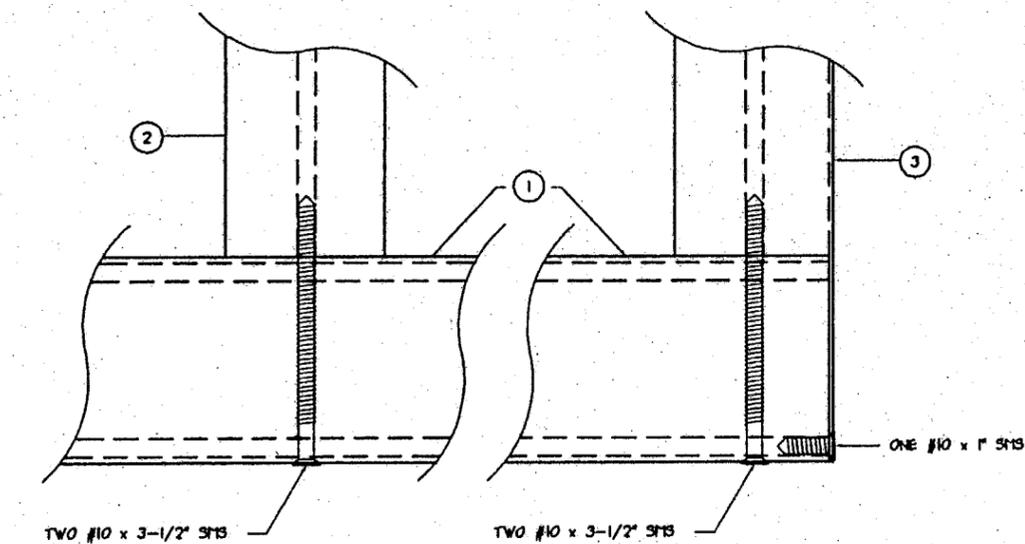


CENTER PIPE DETAIL

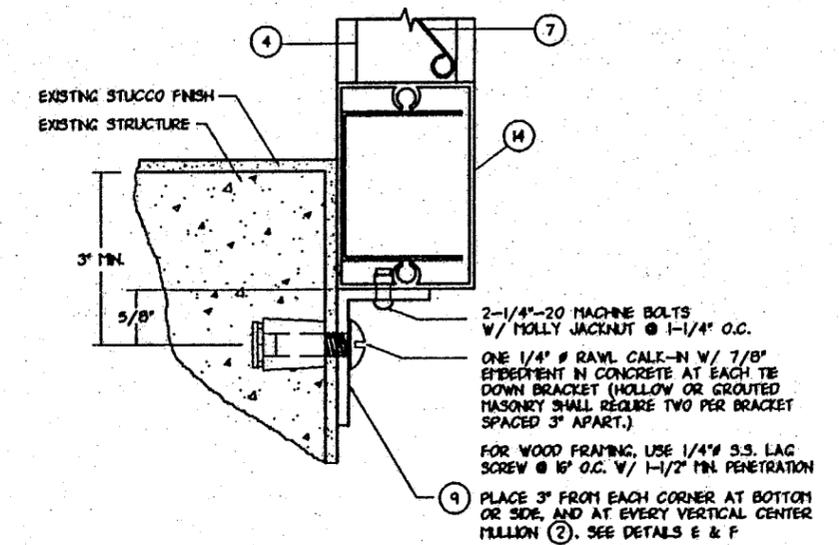
AT EACH MULLION FOR WIDTHS > 65"



SECTION B SECTION C SECTION D



DETAIL E DETAIL F



TYPICAL CLOSURE DETAIL

(NOT FOR HURRICANE PROTECTION, SEE NOTE 4)

PRODUCT RENEWED

ACCEPTANCE No. 98-0724.10
 EXPIRATION DATE September 07-01
 By *Helmy A. Mah*
 PRODUCT CONTROL DIVISION
 BUILDING CODE COMPLIANCE OFFICE

APPROVED AS COMPLYING WITH THE SOUTH FLORIDA BUILDING CODE
 DATE SEPTEMBER 7, 1995
 BY *Manuel*
 PRODUCT CONTROL DIVISION
 BUILDING CODE COMPLIANCE OFFICE
 ACCEPTANCE No. 95-0607.04