



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

Hurst Awning Co., Inc.
5795 N.W. 36 Avenue
Miami, FL 33142

Your application for Notice of Acceptance (NOA) of:

Banama Shutter

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.: 01-0301.01
EXPIRES: 02/27/2006

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: 03/29/2001

Hurst Awning Co., Inc.

ACCEPTANCE No. : 01-0301.01

APPROVED : 03/29/2001

EXPIRES : 02/27/2006

NOTICE OF ACCEPTANCE: STANDARD CONDITIONS

1. SCOPE

This renews the Notice of Acceptance No. 98-0213.06, which was issued on March 19, 1998. It approves an extruded aluminum bahama type shutter, 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 extruded aluminum bahama type shutter and its components shall be constructed in strict compliance with the following documents: Drawing No. 94-187, titled "Bahama Shutter", prepared by Knezevich & Associates, Inc., dated November 29, 1994, last revision #4 dated February 20, 1998, 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.

4. INSTALLATION

This extruded aluminum bahama type shutter and its components shall be installed in strict compliance with the approved drawings.

5. LABELING

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".

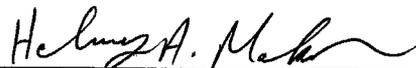
6. BUILDING PERMIT REQUIREMENTS

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

Hurst Awning Co., Inc.

ACCEPTANCE No. : 01-0301.01

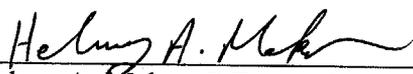
APPROVED : 03/29/2001

EXPIRES : 02/27/2006

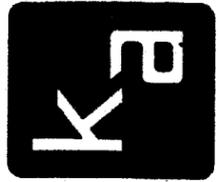
NOTICE OF ACCEPTANCE: STANDARD CONDITIONS

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 times. 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



KNEZEVICH & ASSOCIATES, INC.
 CONSULTING ENGINEERS • PRODUCT TESTING
 641 MOKENA DRIVE • MIAMI SPRINGS, FLORIDA 33166
 MIAMI (305) 883-9571 FT. LAUDERDALE (954) 677-9500
 FAX: (305) 883-9572
 COPY RIGHT 1998 KNEZEVICH & ASSOCIATES, INC.

BAHAMA SHUTTER
 HURST AWNING CO., INC.
 5786 N.W. 38th AVE.
 MIAMI, FL 33142
 (305) 635-0900



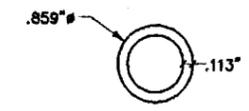
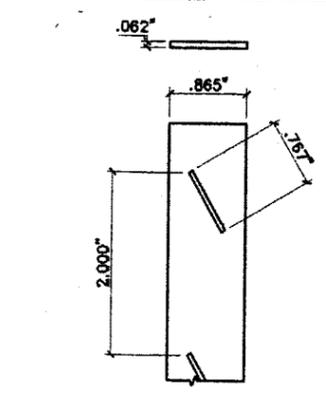
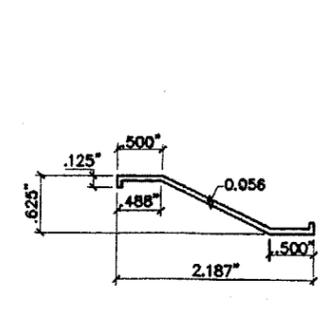
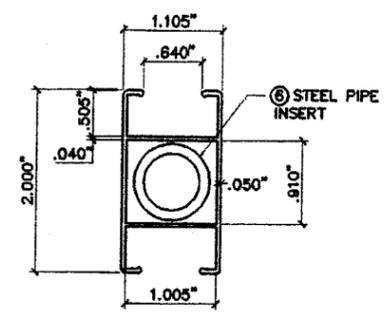
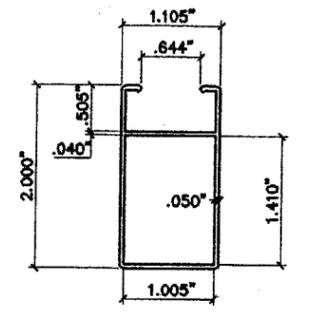
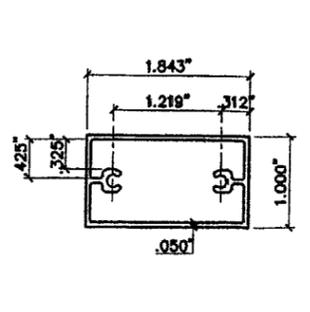
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1	01-11-95					
2	01-23-95					
3	02-27-98					
4	02-20-98					

V.J. KNEZEVICH
 PROFESSIONAL ENGINEER

Fl. License No:
 PE 0010983

FEB 23 1998

date	11-29-96
scale	AS NOTED
drawn by	J.W. HILL
design by	VJK
checked by	VJK
drawing no.	94-187
sheet	1 of 2



1 TOP & BOTTOM RAIL
 HALF SCALE

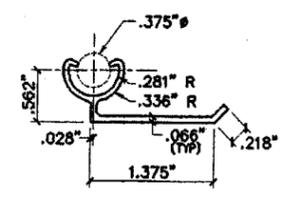
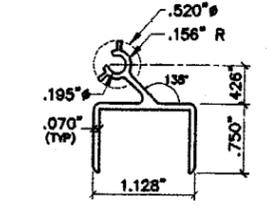
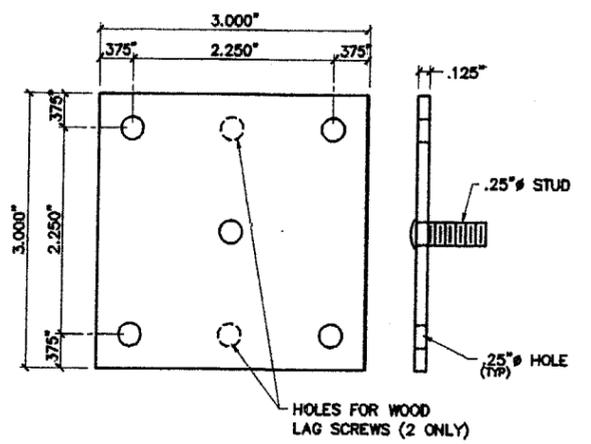
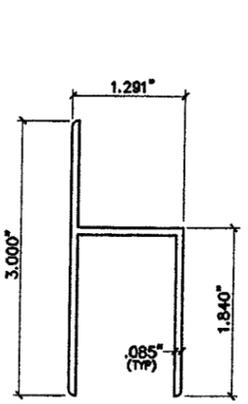
2 SIDE RAIL
 HALF SCALE

3 CENTER MULLION
 HALF SCALE

4 LOUVER BLADE
 HALF SCALE

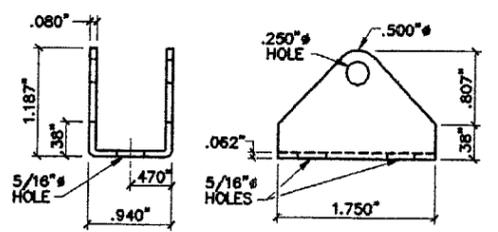
5 LOUVER PLATE
 HALF SCALE

6 STEEL PIPE INSERT
 HALF SCALE
 ASTM A53 TYPE S GRADE B
 1/2" STD (SCHED 40)



9 MALE HINGE
 HALF SCALE

10 FEMALE HINGE
 HALF SCALE



11 CAMEL BACK HINGE
 HALF SCALE

GENERAL NOTES:

- THIS BAHAMA SHUTTER IS DESIGNED IN ACCORDANCE WITH THE SOUTH FLORIDA BUILDING CODE, 1994 EDITION AND THE 1994 BROWARD COUNTY EDITION AS A HURRICANE SHUTTER OR A CANOPY SHUTTER FOR SHADE PURPOSES. SEE APPROPRIATE NOTES BELOW.
- ALUMINUM EXTRUSIONS SHALL BE 6063-T6 ALUMINUM ALLOY, U.O.N.
- ALL SCREWS, BOLTS AND WASHERS TO BE 2024-T4 ALUMINUM ALLOY, STAINLESS STEEL, OR GALVANIZED STEEL WITH A 33 KSI MINIMUM YIELD STRENGTH. ALL POP RIVETS SHALL BE 3/16" DIAMETER 5052 ALUMINUM ALLOY.
- DESIGN OF SHUTTER IS BASED ON HETI TEST REPORT NO. HETI 94-377 AND HETI 94-373.
- EACH SHUTTER ASSEMBLY SHALL BE PERMANENTLY LABELED AS FOLLOWS:
HURST AWNING CO., INC.
 MIAMI, FL
 DADE COUNTY PROD. APPROD.
- 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.

BAHAMA SHUTTER FOR HURRICANE PROTECTION:

- THE DETAILS AND SPECIFICATIONS SHOWN HEREIN REPRESENT THE PRODUCTS TESTED FOR IMPACT, CYCLIC AND UNIFORM STATIC AIR PRESSURE TESTING IN CONFORMANCE WITH DADE COUNTY PROTOCOLS PA201, 202, AND 203 WITH DESIGN LOADS AS FOLLOWS:
 - POSITIVE DESIGN LOAD 68 PSF
 - NEGATIVE DESIGN LOAD 92 PSF
- POSITIVE AND NEGATIVE DESIGN PRESSURE CALCULATIONS FOR BUILDINGS SHALL BE PERFORMED IN ACCORDANCE WITH ASCE 7-88 OR 7-93 "MINIMUM DESIGN LOADS FOR BUILDINGS AND OTHER STRUCTURES" WITH A BASIC WIND SPEED OF 110 MPH OR AS REQUIRED BY GOVERNING AUTHORITY. DESIGN PRESSURE OF PROTECTED OPENING SHALL BE LESS THAN OR EQUAL TO THE RATED DESIGN PRESSURES.
- THIS SHUTTER SHALL BE PROVIDED WITH A PERMANENT LABEL INSTRUCTING THE OWNER OR TENANT TO CLOSE AND FASTEN THE SHUTTER TO THE WALL DURING PERIODS OF TIME AS ARE DESIGNATED BY THE U.S. WEATHER BUREAU AS BEING A HURRICANE WARNING OR ALERT.
- POSITIVE AND NEGATIVE DESIGN PRESSURE CALCULATIONS FOR BUILDINGS SHALL BE PERFORMED IN ACCORDANCE WITH ASCE 7-88 OR 7-93 "MINIMUM DESIGN LOADS FOR BUILDINGS AND OTHER STRUCTURES" WITH A BASIC WIND SPEED OF 75 MPH OR AS REQUIRED BY GOVERNING AUTHORITY. DESIGN PRESSURE OF OPENING SHALL BE LESS THAN OR EQUAL TO THE RATED DESIGN PRESSURES CORRESPONDING TO THE OPEN OR CLOSED INSTALLATION RATINGS ABOVE.

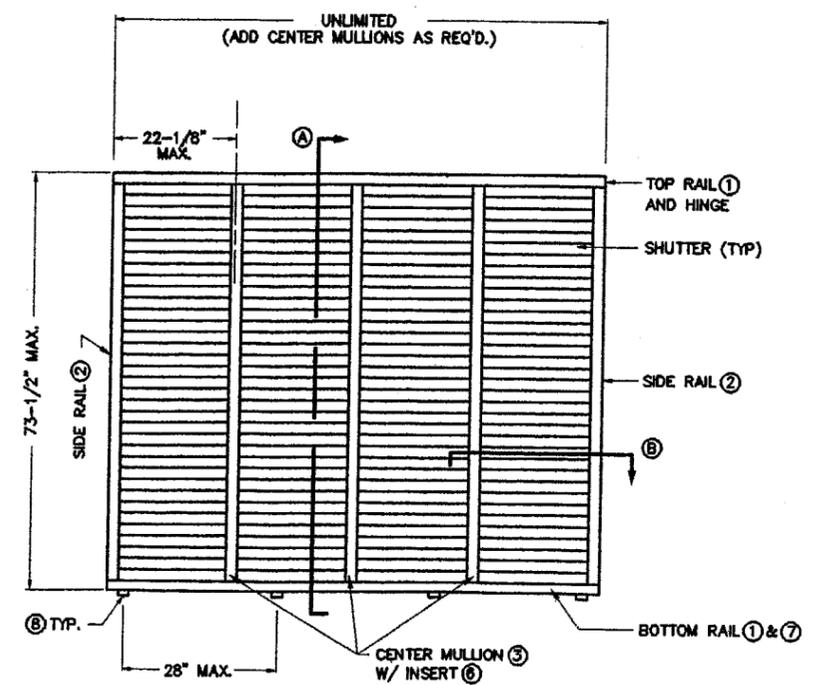
PRODUCT RENEWED

ACCEPTANCE No. 01-0301.01
 EXPIRATION DATE 02/27/2006
 By Helmut H. Mader APPROVED AS COMPLYING WITH THE
 SOUTH FLORIDA BUILDING CODE
 PRODUCT CONTROL DIVISION
 BUILDING CODE COMPLIANCE OFFICE DATE MARCH 19 1998
 BY Manuel Perez
 PRODUCT CONTROL DIVISION
 BUILDING CODE COMPLIANCE OFFICE
 ACCEPTANCE No. 98-0213.06

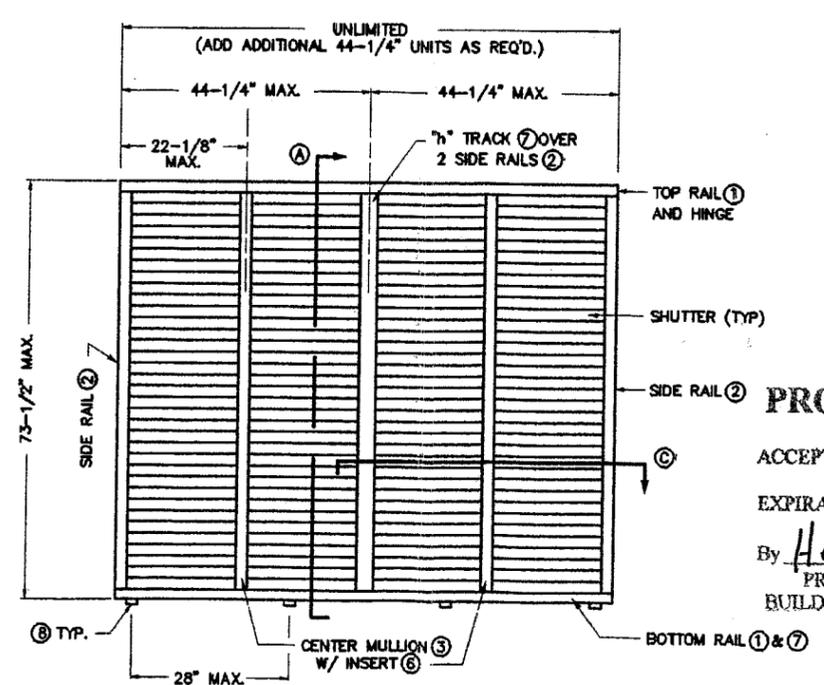
7 h TRACK
 HALF SCALE

8 PLATE
 HALF SCALE

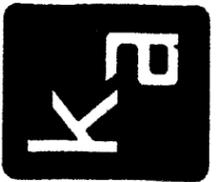
11 CAMEL BACK HINGE
 HALF SCALE



TYPICAL ELEVATION (SINGLE UNIT)
 SCALE: 3/8" = 1'-0"



TYPICAL ELEVATION (MULTIPLE UNITS)
 SCALE: 3/8" = 1'-0"



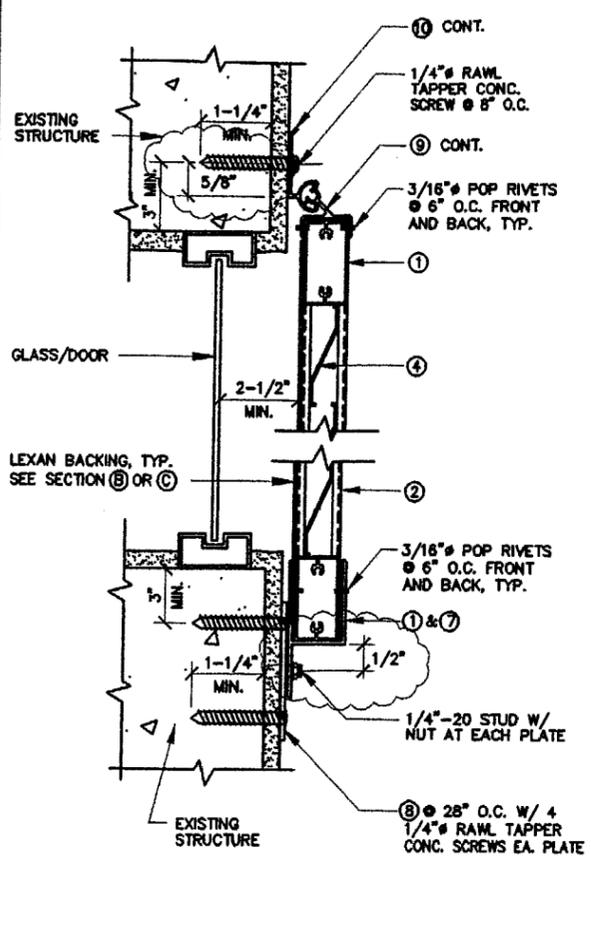
KNEZEVICH & ASSOCIATES, INC.
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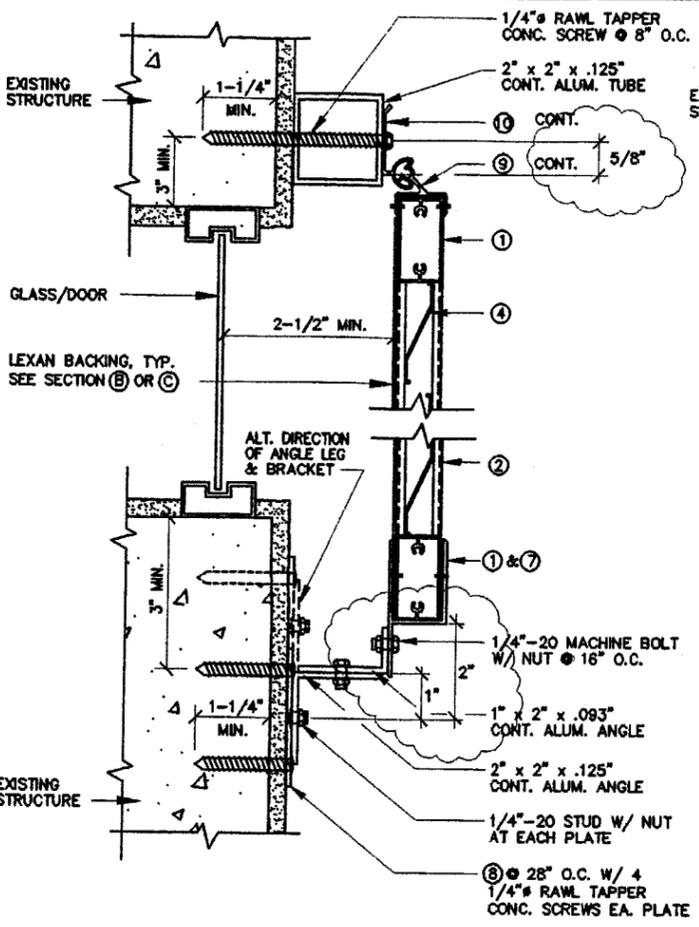
no.	date	description
1	01-11-95	LAB COMMENTS
2	01-23-95	SHADING NOTE
3	02-27-98	COUNTY COMMENTS
4	02-20-98	RENEWAL

V.J. KNEZEVICH
 PROFESSIONAL ENGINEER
 FL License No. PE 0719983

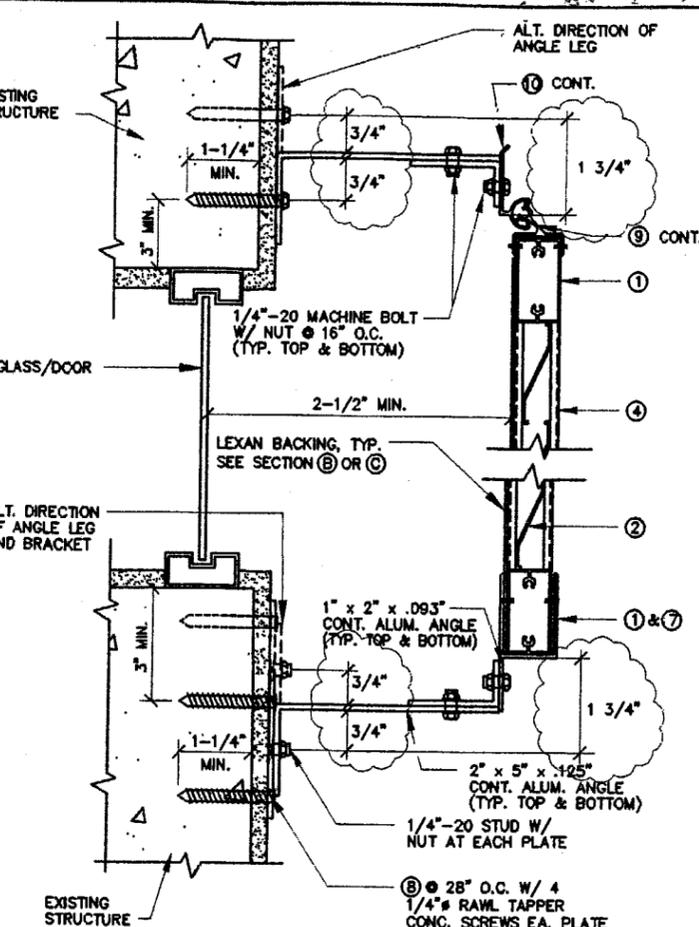
FEB 23 1998
 date: 11-29-94
 scale: AS NOTED
 drawn by: J.W. HILL
 design by: V.J.K.
 checked by: V.J.K.
 drawing no. 94-187
 sheet 2 of 2



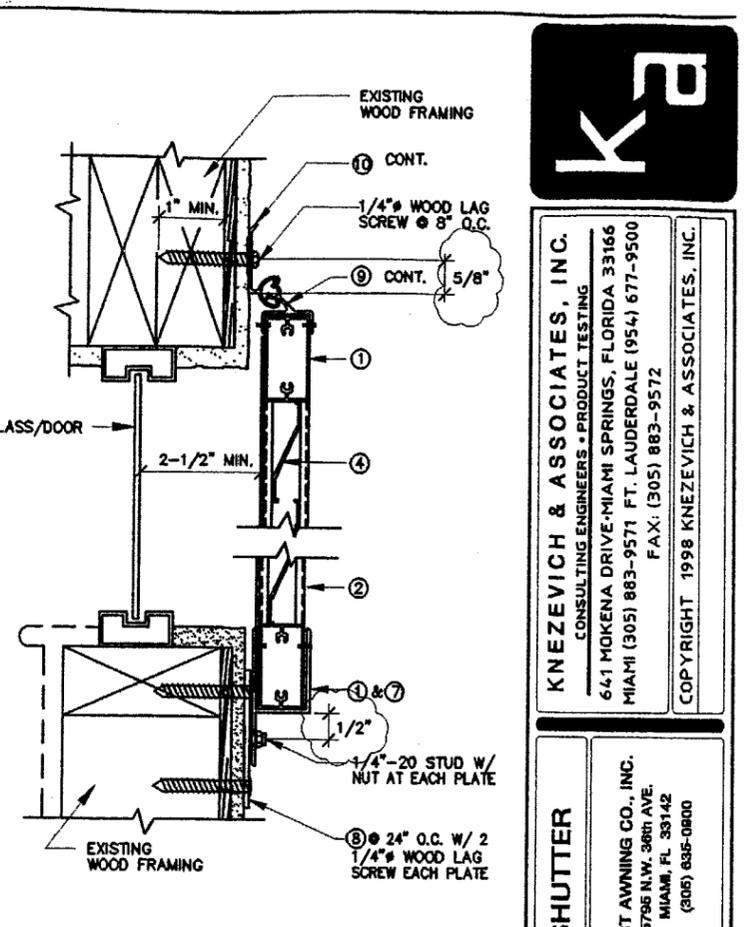
(A1) WALL MOUNT SECTION
 SCALE: 3" = 1'-0"



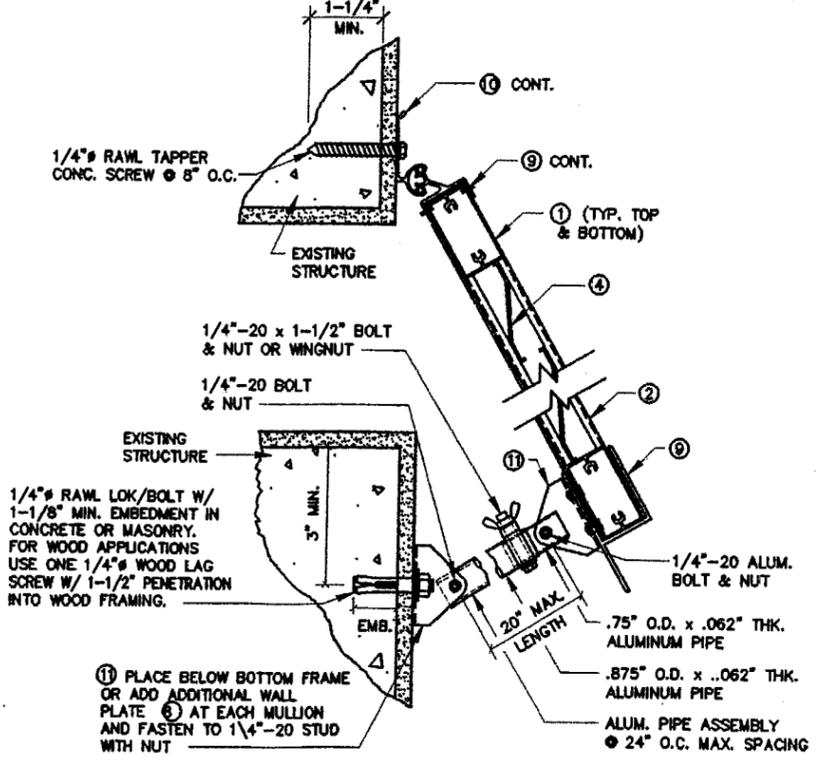
(A2) BUILD OUT SECTION
 SCALE: 3" = 1'-0"



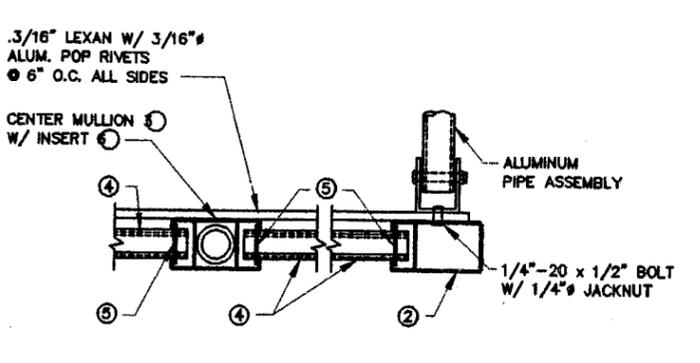
(A3) BUILD OUT SECTION
 SCALE: 3" = 1'-0"



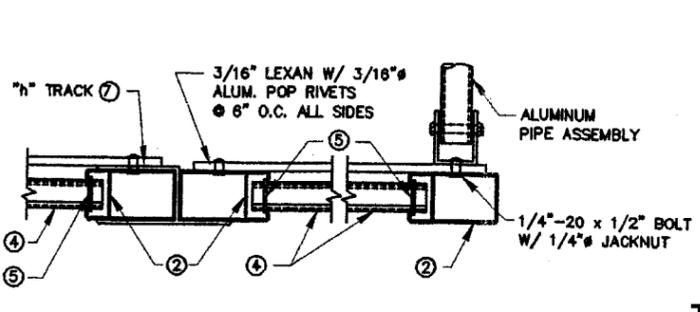
(A4) WALL MOUNT SECTION
 SCALE: 3" = 1'-0" • SEE NOTES 9 & 12



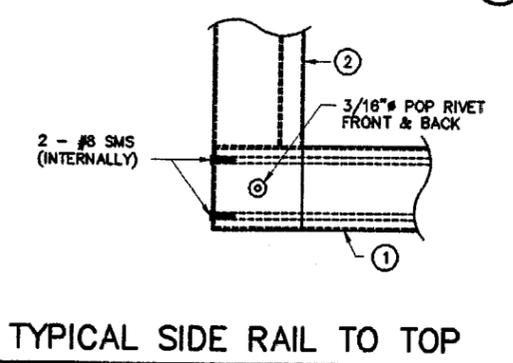
TYPICAL OPEN POSITION
 SCALE: 3" = 1'-0" • SEE NOTES 9 & 12



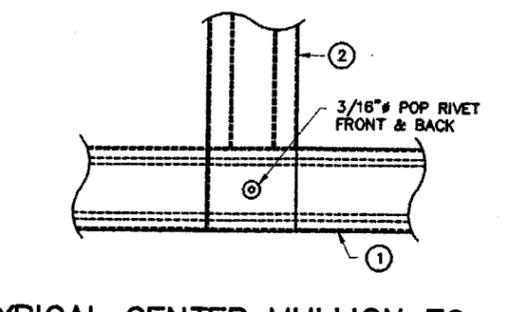
(B) TYPICAL SECTION
 SCALE: 3" = 1'-0"



(C) TYPICAL SECTION
 SCALE: 3" = 1'-0"



TYPICAL SIDE RAIL TO TOP & BOTTOM RAIL CONNECTION
 SCALE: 3" = 1'-0"



TYPICAL CENTER MULLION TO TOP & BOTTOM RAIL CONNECTION
 SCALE: 3" = 1'-0"

PRODUCT RENEWED
 ACCEPTANCE No. 01-0301.01
 EXPIRATION DATE 02/27/2006
 By *Helmut A. M...*
 PRODUCT CONTROL DIVISION
 BUILDING CODE COMPLIANCE OFFICE

APPROVED AS COMPLYING WITH THE
 SOUTH FLORIDA BUILDING CODE
 DATE MARCH 19 1998
 BY *Manuel...*
 PRODUCT CONTROL DIVISION
 BUILDING CODE COMPLIANCE OFFICE
 ACCEPTANCE No. 98-0213.06