



**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)

**Shutter Enterprises Group, Inc.
915 S. Dixie Hwy East
Pompano Beach, Florida 33060**

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 High Velocity Hurricane Zone of the Florida Building Code.

DESCRIPTION: Extruded Aluminum Hinged Colonial Shutter

APPROVAL DOCUMENT: Drawing No. 96-100, titled "Colonial Shutter", sheets 1 through 5 of 5, prepared by Gene S. Sanders, P.E., signed and sealed by Gene S. Sanders, P.E., dated April 25, 1996, last revision dated May 06, 2003 bearing the Miami-Dade County Product Control Revision stamp with the Notice of Acceptance number and expiration 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 the 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 **revises & renews NOA # 02-0426.07** & consists of this page 1 & approval document mentioned above. The submitted documentation was reviewed by **Helmy A. Makar, P.E.**

H.M.
06/26/03



**NOA No 03-0225.11
Expiration Date: 05/01/2008
Approval Date: 06/26/2003
Page 1**

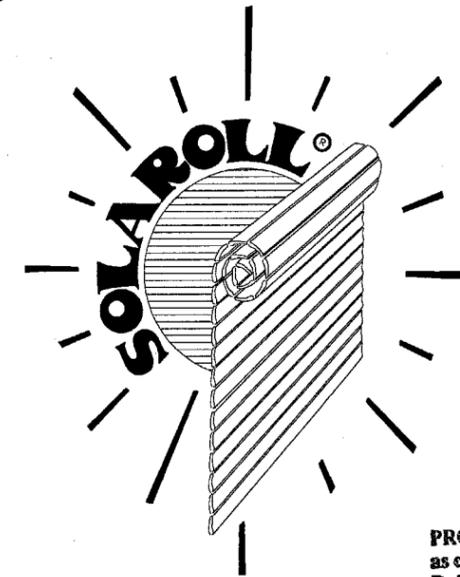
SHUTTER ENTERPRISES GROUP INC.

POMPANO BEACH, FLORIDA 33060

COLONIAL SHUTTER

GENERAL NOTES

- 1.0 THE SHUTTER SYSTEM IS DESIGNED TO MEET THE REQUIREMENTS OF THE FLORIDA BUILDING CODE, 2001 EDITION
- 1.1 DESIGNING WIND PRESSURES SHALL BE DERIVED USING THE AMERICAN SOCIETY OF ENGINEERS STANDARD ASCE 7-98
- 1.2 THE LARGE MISSILE IMPACT, CYCLIC WIND PRESURE, AND UNIFORM STATIC AIR PRESURE TEST, ENTITLED "AMERICAN TEST LAB REPORT #1220.01-95 DATED 12-20-95) PREPARED BY JOSE MITRANI WAS CONDUCTED IN ACCORDANCE TO THE REQUIREMENTS OF THE DADE COUNTY CODE COMPLIANCE OFFICE PROTOCOL TAS 201-94, TAS 202-94 AND TAS 203-94
- 1.3 MAXIMUM DESIGN LOAD ± 75 PSF.
- 2.0 ALUMINUM COMPONENTS ARE DESIGNED IN ACCORDANCE WITH THE "ALUMINUM CONSTRUCTION MANUAL".
- 3.0 THE ALUMINUM ALLOYS USED TO DERIVE THESE DESIGN CHARTS ARE AS SHOWN IN THE DRAWINGS.
- 4.0 STEEL SURFACES IN CONTACT WITH ALUMINUM COMPONENTS SHALL BE GALVANIZED OR HAVE ONE COAT OF ZINC CHROMATE PRIMER IN ACCORDANCE WITH FEDERAL SPEC TTP-645.
- 5.0 THE EMBEDMENT FOR ANCHORS SHOWN IN THESE DRAWINGS IS THE REQUIRED MINIMUM PENETRATION INTO THE BASE MATERIAL OF THE SUPPORTING STRUCTURE. MINIMUM EDGE DISTANCE (3 1/2") SHOWN IN THESE DRAWINGS INCLUDE A 1/2" ALLOWANCE FOR STUCCO.
- 6.0 BOLTS, NUTS AND WASHERS SHALL BE STAINLESS STEEL OR ALUMINUM ALLOY 2024-T4 OR 7075-T6
- 7.0 DEFLECTION DESIGN CRITERIA.
- 7.1 MULLIONS HAVE BEEN SIZED TO LIMIT THE DEFLECTION OF THE ELEMENTS TO $\leq L/180$ AT THE DESIGN LOAD.
- 7.2 SLATS HAVE BEEN SIZED TO LIMIT THE DEFLECTION AT THE DESIGN LOAD TO BE $\leq L/30$ FOR SUCTION AND THE LESSER OF $L/30$ OR 2 INCHES WHEN SUBJECTED TO POSITIVE PRESSURE.
- 7.3 SHUTTERS SHALL BE CONFIGURED TO HAVE NO LESS THAN 3 3/8 INCHES MINIMUM CLEARANCE BETWEEN THE UNLOADED SLAT AND THE GLAZING FOR ELEVATIONS 0-30 FEET. CLEARANCE FOR SHUTTERS LOCATED ABOVE 30 FEET OF ELEVATION SHALL BE NO LESS THAN 2 INCHES. THESE FIGURES REPRESENT THE MAXIMUM SLAT DEFLECTION PLUS 1 INCH.



PRODUCT REVISED
as complying with the Florida
Building Code
Acceptance No. 03-0225.11
Expiration Date 05/01/2008
By *Helmut A. Miller*
Miami Dade Product Control
Division

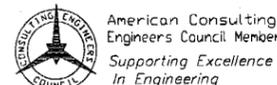
TABLE OF CONTENTS

PAGE NO.	DESCRIPTION
1	GENERAL NOTES, TABLE OF CONTENTS
2	<4 PANEL> FLUSH MOUNT APPLICATION
3	<4 PANEL> BUILDOUT APPLICATION
4	ASSEMBLY
5	COMPONENTS

PRODUCT MARKING

A LABEL SHALL BE PLACED ON THE LOWER RIGHT CORNER, WITH THE FOLLOWING STATEMENT:

EXTRUDED ALUMINUM COLONIAL SHUTTER
DADE COUNTY PRODUCT CONTROL APPROVED
MANUFACTURED BY SHUTTER ENTERPRISES GROUP, INC.



American Consulting
Engineers Council Member
Supporting Excellence
In Engineering



TO THE BEST OF MY KNOWLEDGE
AND ABILITY, THE COMPLETED
STRUCTURE DEPICTED ON THESE
PLANS COMPLIES WITH THE
APPLICABLE MINIMUM BUILDING
CODES.

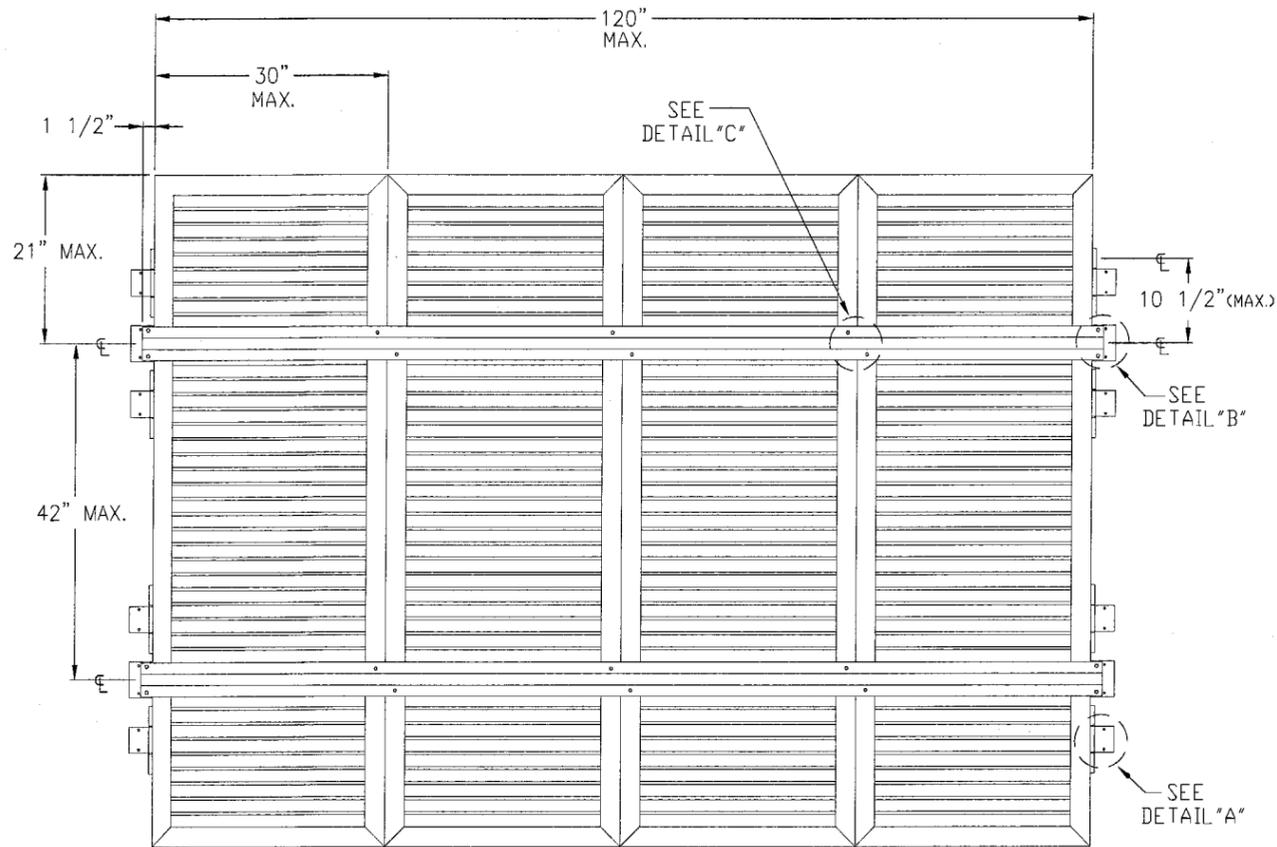
PROF. ENGINEER
GENE S. SANDERS
FLA. PE # 26590

Gene S. Sanders
GENE S. SANDERS
FL PE #26590

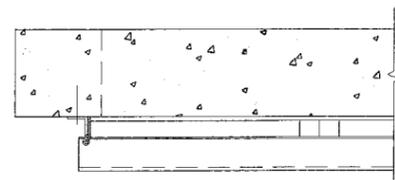
MAY 21 2003

SHUTTER ENTERPRISES GROUP INC. POMPANO BEACH, FLORIDA 33060		
SCALE: DATE: 4-25-96	DRAWING NUMBER 96-100	DRAWN BY: VICKERY REVISED: 05-06-03
GENERAL NOTES & TABLE OF CONTENTS		PAGE NUMBER 1 OF 5

COLONIAL SHUTTER (4 PANEL) FLUSH MOUNT



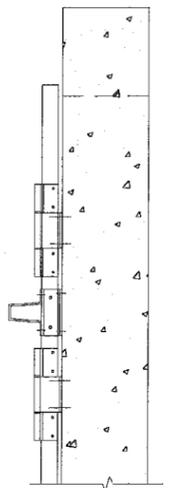
ELEVATION



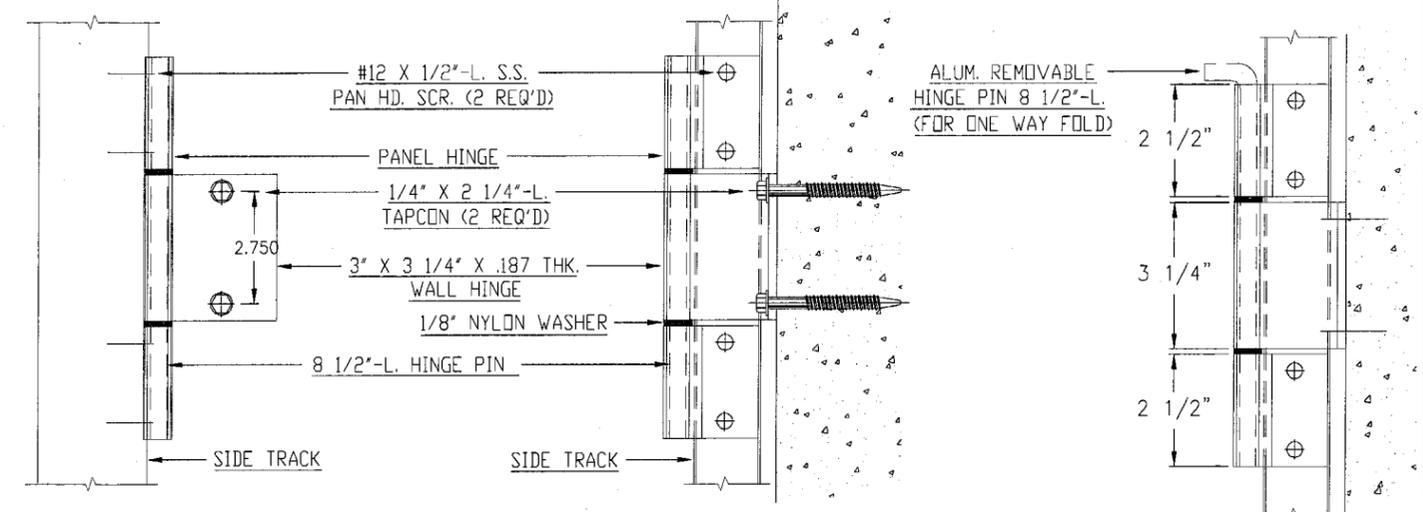
PLAN VIEW

**STORM BAR
REQUIREMENTS**

HEIGHT	# OF STORM BARS
0 - 42"	1
43" - 84"	2
85" - 126"	3

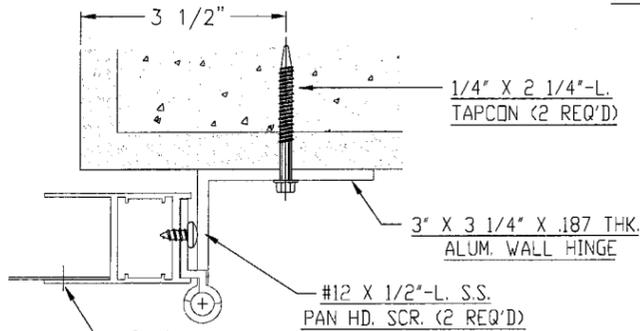


SIDE VIEW

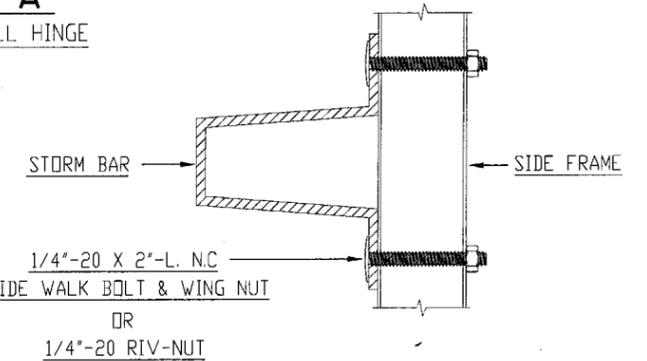


**DETAIL "A"
FRONT VIEW WALL HINGE**

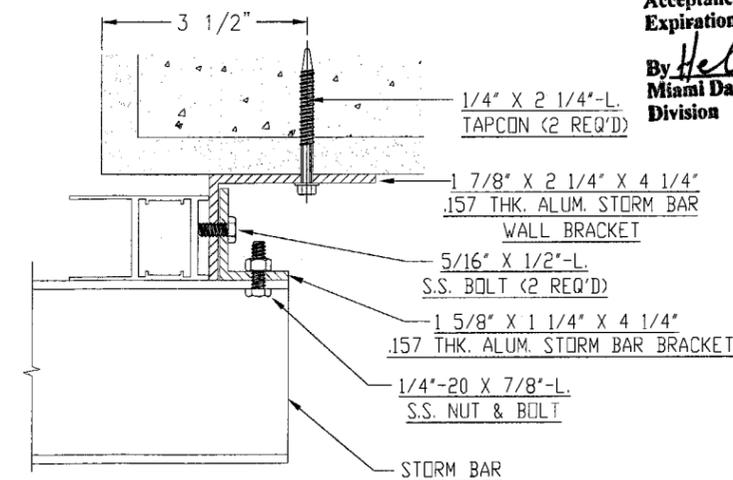
**DETAIL "A"
SIDE VIEW WALL HINGE**



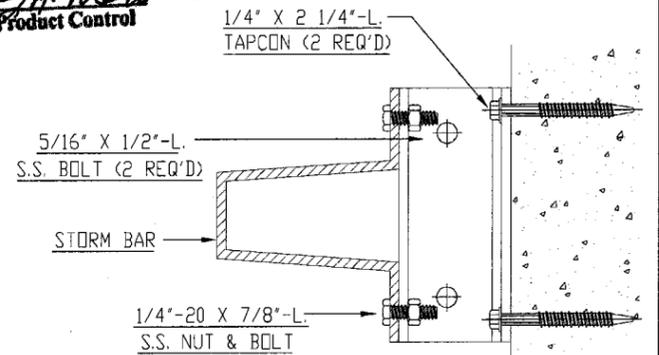
**DETAIL "A"
PLAN VIEW**



**DETAIL "C"
SIDE VIEW
STORM BAR ATTACHED
TO SIDE TRACK**



**DETAIL "B"
PLAN VIEW
STORM BAR ATTACHED
TO WALL**



**DETAIL "B"
SIDE VIEW
STORM BAR ATTACHED
TO WALL**

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JENKINS &
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INCORPORATED
REGISTERED PROFESSIONAL ENGINEERS
3859 N.W. 53rd Street
FORT LAUDERDALE, FL 33309
(954) 484-7777

PROF. ENGINEER
GENE S. SANDERS
FLA. PE # 26590

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FL PE #26590

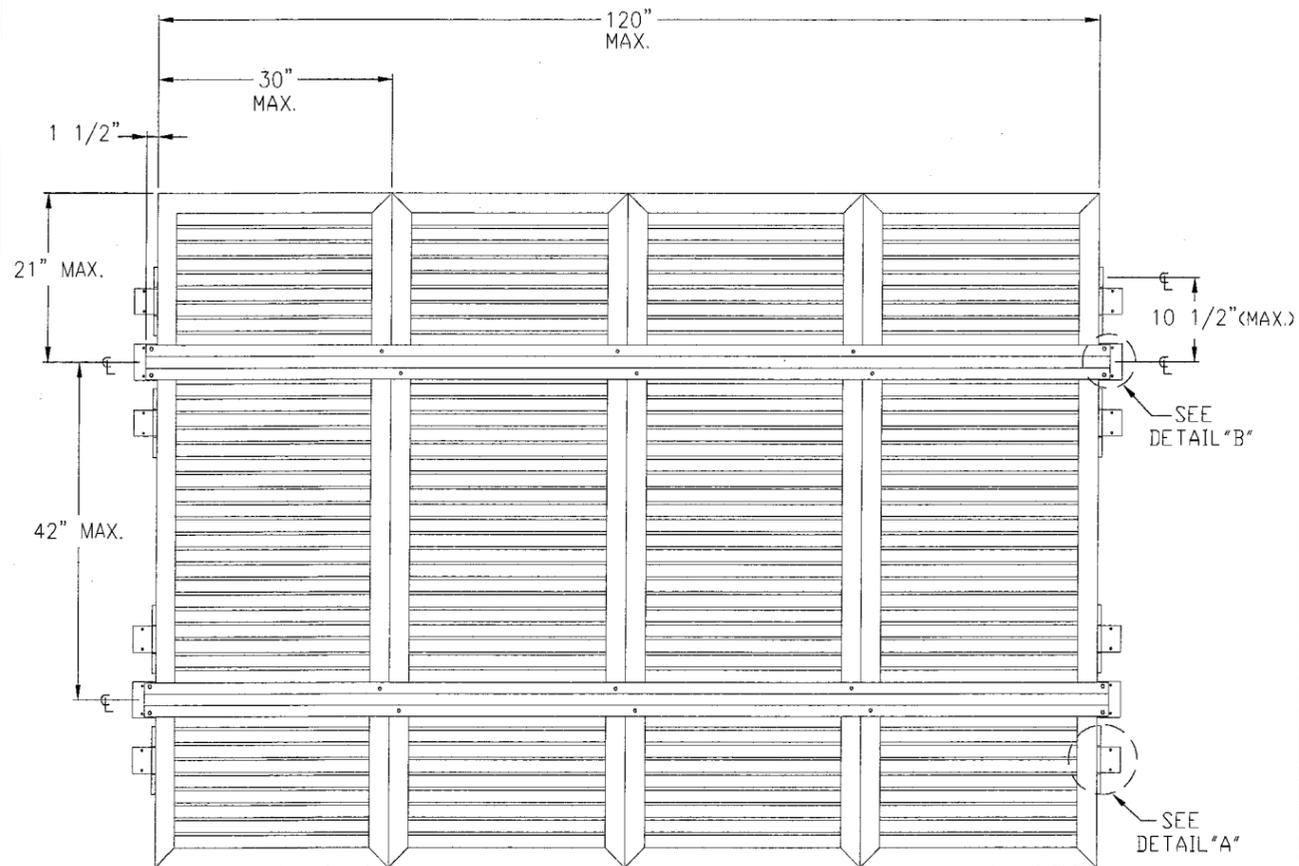
MAY 21 2003

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POMPANO BEACH, FLORIDA 33060
SCALE: DRAWING NUMBER 96-100
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DRAWN BY: VICKERY
REVISED: 05-06-03

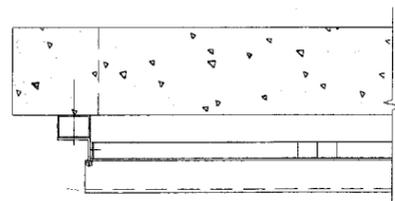
COLONIAL SHUTTER
(4 PANEL) FLUSH MOUNT

PAGE NUMBER
2 OF 5

COLONIAL SHUTTER (4 PANEL) BUILDOUT



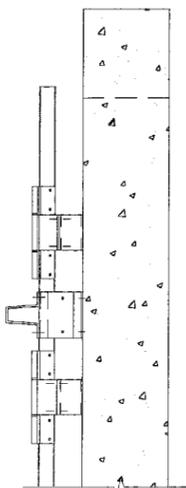
ELEVATION



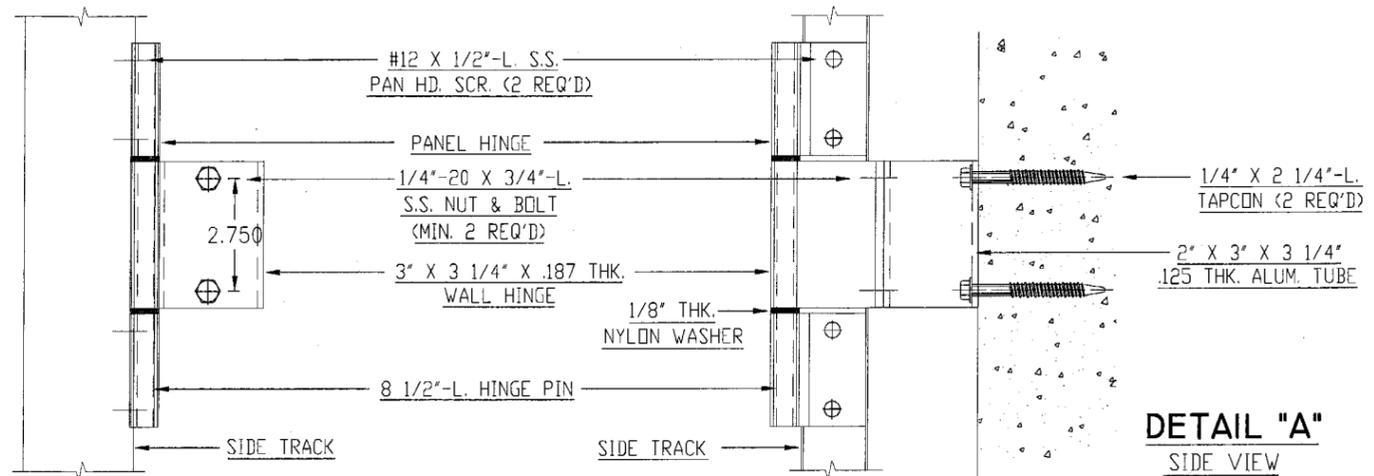
PLAN VIEW

**STORM BAR
REQUIREMENTS**

HEIGHT	# OF STORM BARS
0 - 42"	1
43" - 84"	2
85" - 126"	3

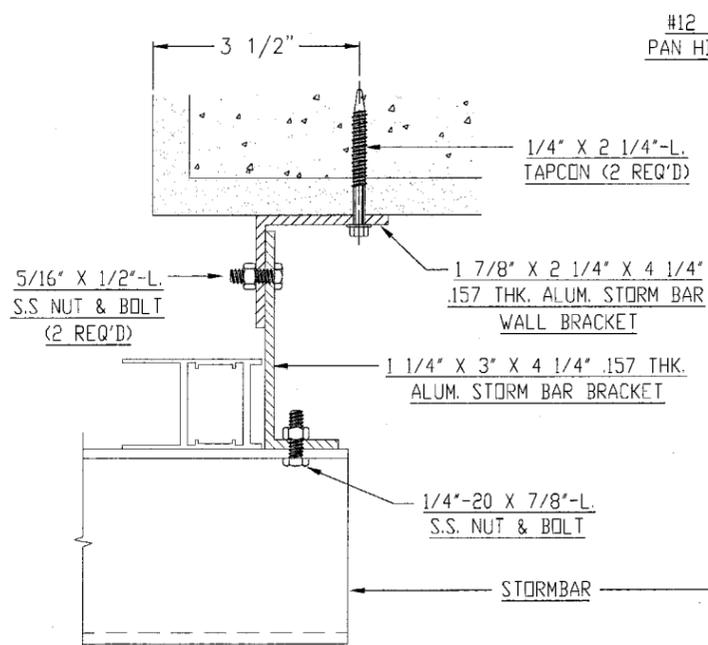


SIDE VIEW

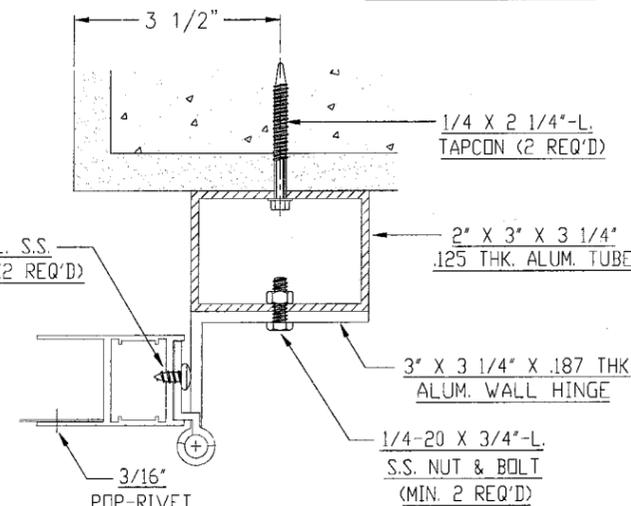


DETAIL "A"
FRONT VIEW
WALL HINGE BUILDOUT

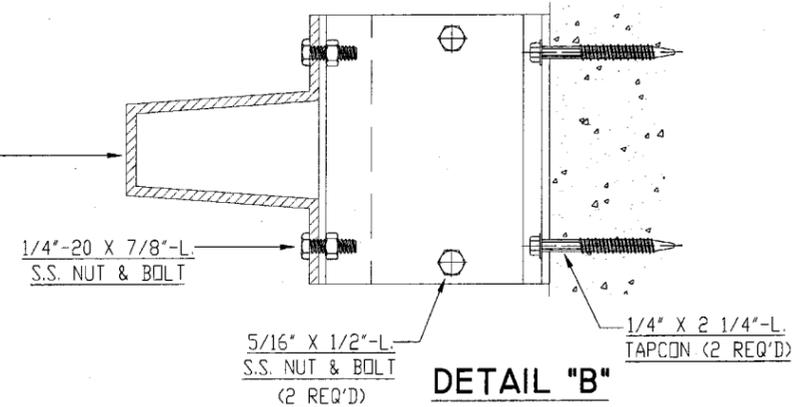
PRODUCT REVISED
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Acceptance No **03-0225.11**
Expiration Date **05/01/2008**
By *Helmut A. Miller*
Miami Dade Product Control
Division



DETAIL "B"
PLAN VIEW
STORMBAR BUILDOUT
MOUNTED TO WALL



DETAIL "A"
PLAN VIEW
WITH BUILDOUT



DETAIL "B"
SIDE VIEW
STORMBAR BUILDOUT
MOUNTED TO WALL

JENKINS & CHARLAND
Professional Engineers
3950 N.W. 34th Street
Fort Lauderdale, FL 33309
(954) 484-7777

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TO THE BEST OF MY KNOWLEDGE
AND ABILITY, THE COMPLETED
STRUCTURE DEPICTED ON THESE
PLANS, COMPLIES WITH THE
APPLICABLE WINDOW BUILDING
CODES.

PROF. ENGINEER
GENE S. SANDERS
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FL PE #26590
MAY 21 2003

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POMPANO BEACH, FLORIDA 33060

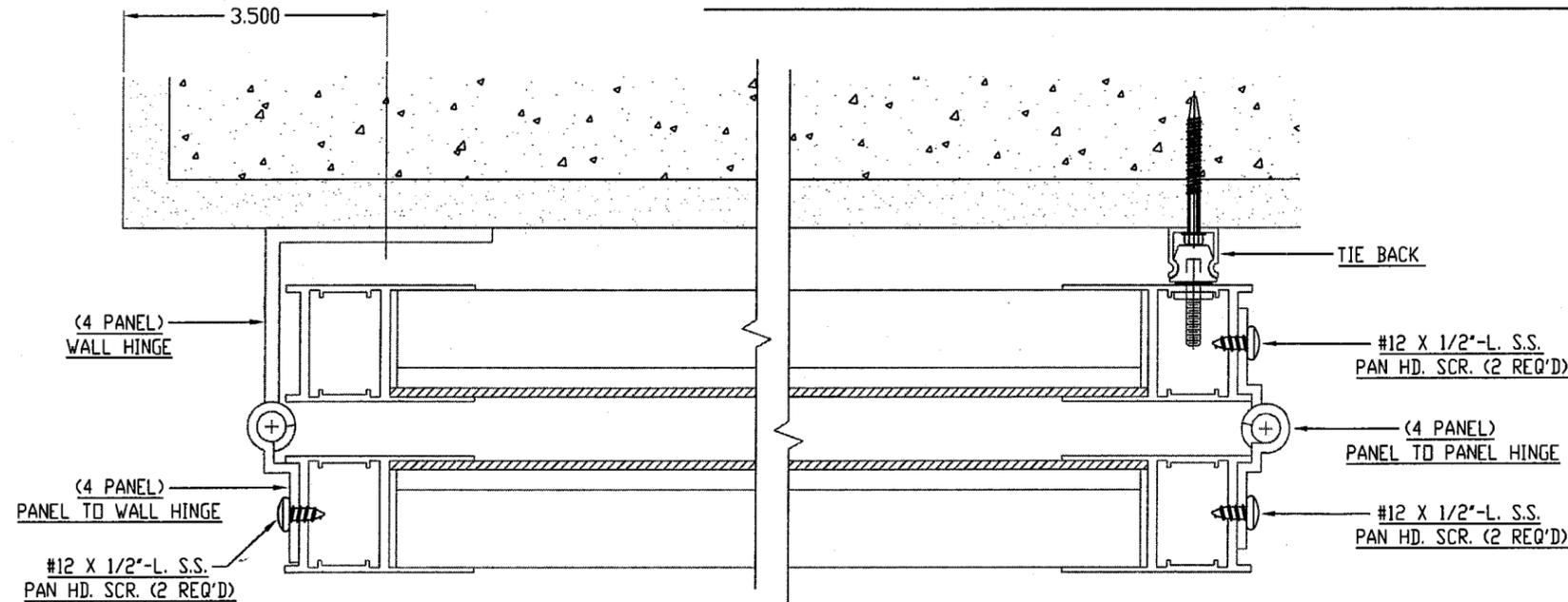
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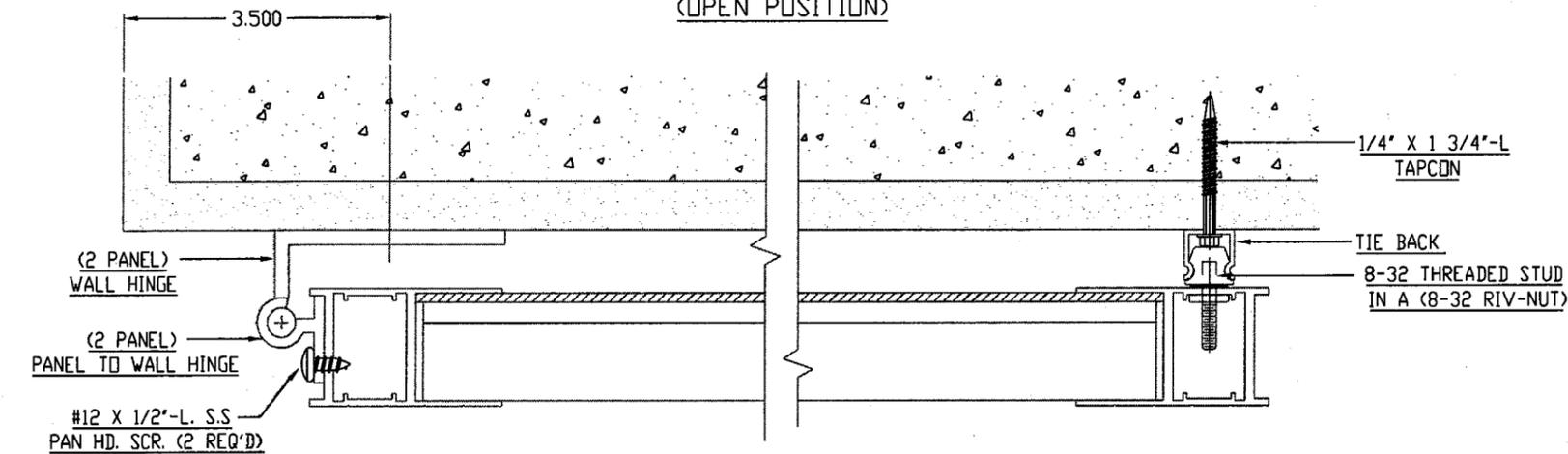
**COLONIAL SHUTTER
(4 PANEL) BUILDOUT**

PAGE NUMBER
3 OF 5

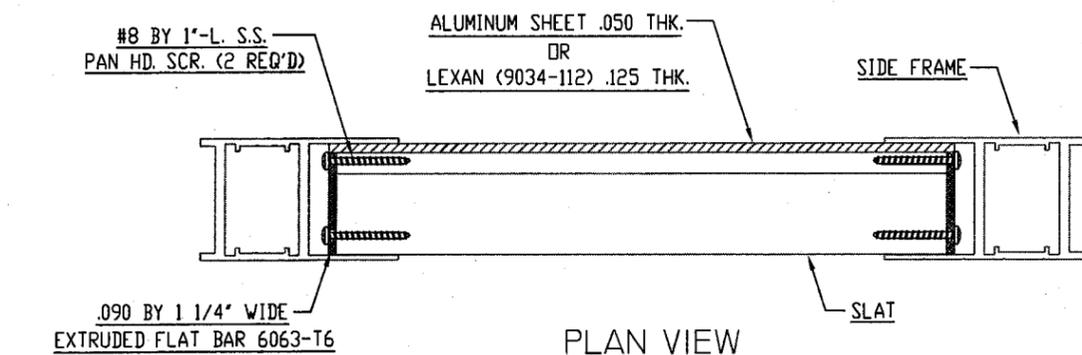
COLONIAL SHUTTER ASSEMBLY



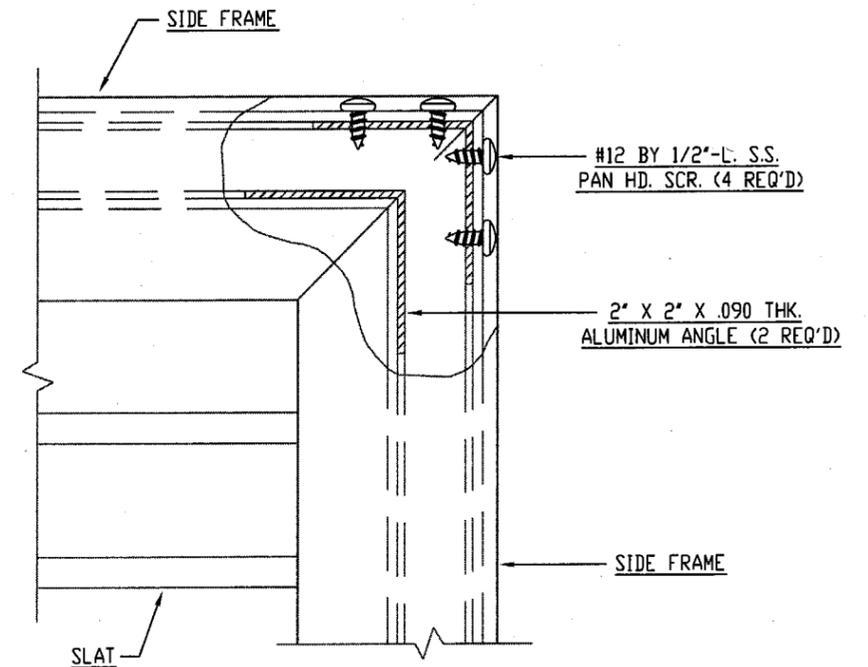
PLAN VIEW
(4 PANEL) STACK
(OPEN POSITION)



PLAN VIEW
(2 PANEL) STACK
(OPEN POSITION)

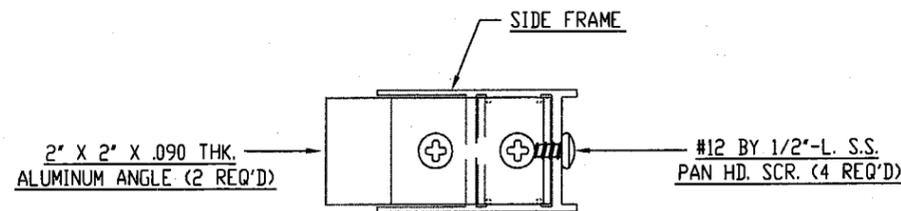


PLAN VIEW



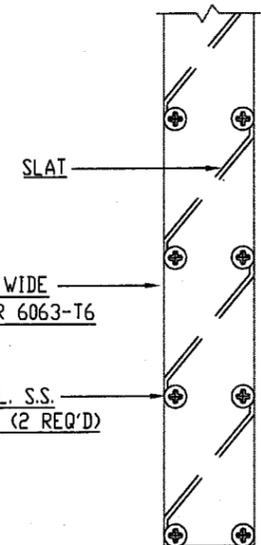
CORNER DETAIL OF SHUTTER
WITH (2) ANGLES SHOWN

PRODUCT REVISED
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Building Code
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By *Helmut Allender*
Miami Dade Product Control
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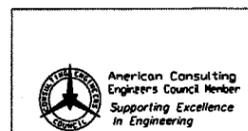


PLAN VIEW
WITH (2) ANGLES SHOWN

.090 BY 1 1/4\"/>



SIDE VIEW



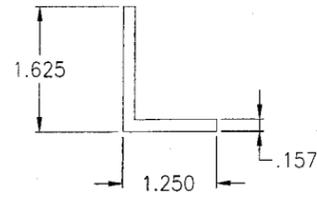
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TO THE BEST OF MY KNOWLEDGE
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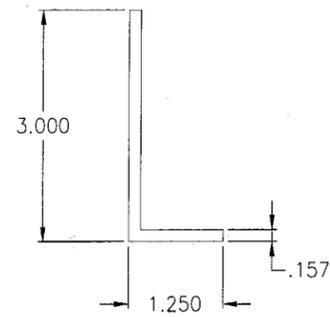
Gene Sanders
GENE S. SANDERS
FL PE #26590
MAY 21 2003

SHUTTER ENTERPRISES GROUP INC. POMPANO BEACH, FLORIDA 33060		
SCALE:	DRAWING NUMBER	DRAWN BY: VICKERY
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COLONIAL SHUTTER ASSEMBLY		PAGE NUMBER 4 OF 5

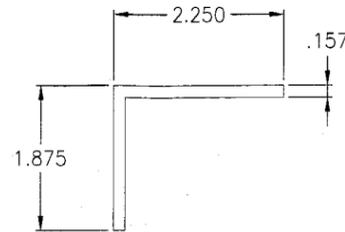
COMPONENTS



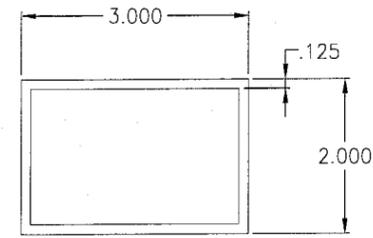
STORM BAR BRACKET
 1 1/4" X 1 5/8" X 4 1/4" X .157 THK.
 MATERIAL: ALUM. ALLOY-6063-T6



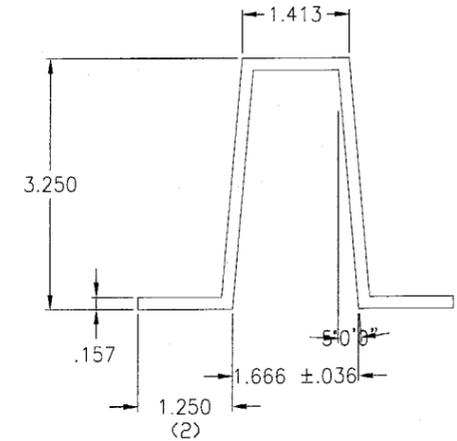
STORM BAR BRACKET
 1 1/4" X 3" X 4 1/4" X .157 THK.
 MATERIAL: ALUM. ALLOY-6063-T6



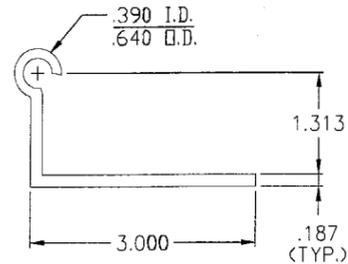
STORM BAR WALL BRACKET
 1 7/8" X 2 1/4" X 4 1/4" X .157 THK.
 MATERIAL: ALUM. ALLOY-6063-T6



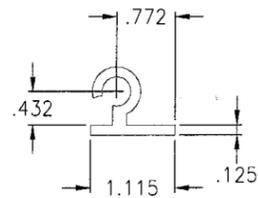
RECTANGULAR TUBE
 2" X 3" X .125 THK.
 MATERIAL: ALUM. ALLOY-6063-T6



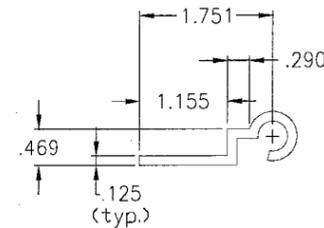
STORM BAR (2 OR 4 PANEL)
 MATERIAL: ALUM. ALLOY-6061-T6



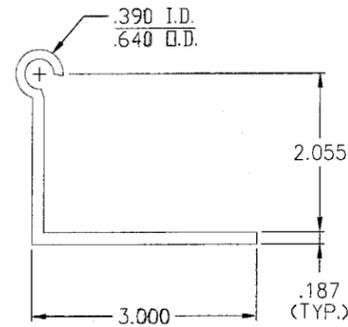
3 1/4" LONG WALL HINGE
 (2 PANEL)
 MATERIAL: ALUM. ALLOY-6063-T6



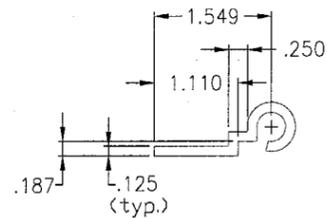
2 1/2" LONG PANEL TO WALL HINGE
 (2 PANEL)
 MATERIAL: ALUM. ALLOY-6063-T6



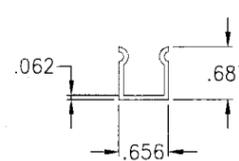
2 1/2" LONG PANEL TO WALL HINGE
 (4 PANEL)
 MATERIAL: ALUM. ALLOY-6063-T6



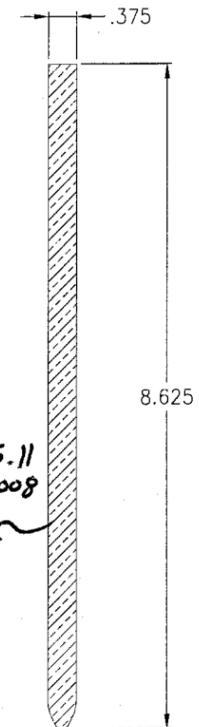
3 1/4" LONG WALL HINGE
 (4 PANEL)
 MATERIAL: ALUM. ALLOY-6063-T6



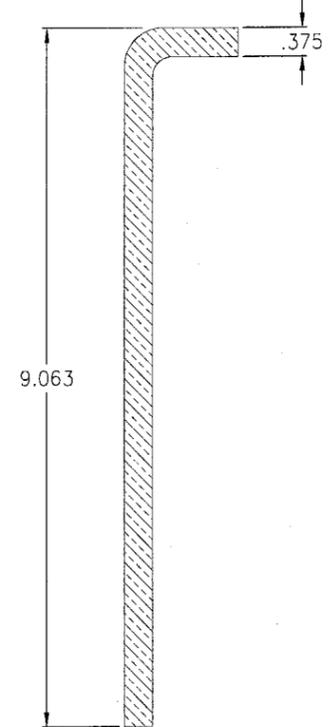
2 1/2" LONG PANEL TO PANEL HINGE
 MATERIAL: ALUM. ALLOY-6063-T6



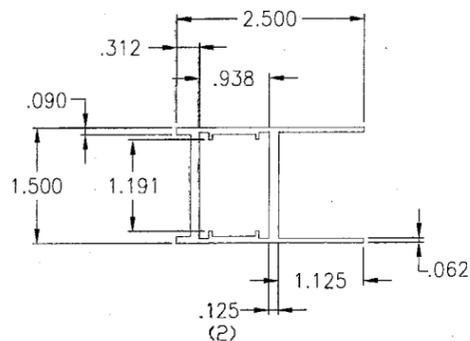
TIE BACK
 MATERIAL: ALUM. ALLOY-6063-T6



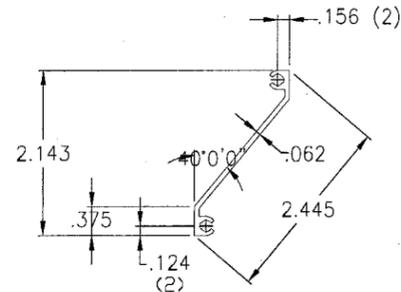
HINGE PIN
 ALUM. ALLOY-6063-T5



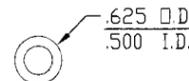
REMOVABLE HINGE PIN
 ALUM. ALLOY-6063-T5



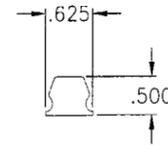
SIDE TRACK
 MATERIAL: ALUM. ALLOY-6063-T6



SLAT
 MATERIAL: ALUM. ALLOY-6063-T6



PANEL WASHER .060 THK.
 MATERIAL: NYLON



TIE BACK (CLAMP)
 MATERIAL: PLASTIC

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 Miami Dade Product Control
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COLONIAL SHUTTER COMPONENTS		PAGE NUMBER
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