



MIAMI-DADE COUNTY
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)

www.miamidade.gov

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-CS, titled " Colonial Shutter ", sheets 1 through 7 of 7, prepared by D. L. Fowler, P.E., dated September 23, 2005, signed and sealed by D. L. Fowler, P.E., on January 25, 2007, 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 NOA # 03-0225.11 and consists of this page 1, evidence submitted pages E-1 & E-2 as well as approval document mentioned above.

The submitted documentation was reviewed by **Helmy A. Makar, P.E., M.S.**



Helmy A. Makar
 03/01/2007

NOA No 05-1004.08
Expiration Date: 05/01/2008
Approval Date: 03/01/2007
Page 1

Shutter Enterprises Group, Inc.

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

1. EVIDENCE SUBMITTED UNDER PREVIOUS APPROVAL #96-0703.02

A. DRAWINGS

1. *Drawing No. 96-100, Bernardo Shutter Corporation, Hinged Colonial Shutter, Sheets 1 through 5 of 5, prepared by Jenkins and Charland, Inc. Consulting Engineers, dated 04/25/96 with Revision No. 1, dated 12/10/96, signed and sealed by Gene S. Sanders, P.E. on 04/10/97*

B. TESTS

1. *Test report on Large Missile Impact Test and Cyclic Wind Pressure Test of colonial shutters w/ four panels and two horizontal storm bars, prepared by American Test Lab of South Florida, Report No. ATL-1220.01-95, dated 12/20/95, signed and sealed by Jose D. Mitrani, P.E.*
2. *Test report on Uniform Static Air Pressure Test of colonial shutters w/ four panels and two horizontal storm bars, prepared by American Test Lab of South Florida, Report No. ATL-1220.01-95, dated 12/20/95, signed and sealed by Jose D. Mitrani, P.E.*

C. CALCULATIONS

1. *Anchor analysis prepared by Jenkins and Charland, Inc. Consulting Engineers, dated 08/27/96, signed and sealed by Gene S. Sanders, P.E.*
2. *Beam analysis calculations prepared by Jenkins and Charland, Inc. Consulting Engineers, dated 03/17/97, signed and sealed by Gene S. Sanders, P.E.*

D. MATERIAL CERTIFICATIONS

1. *Mill Certified Inspection Report issued by National Northeast, dated 06/14/96, with chemical composition and mechanical properties for aluminum alloy 6061-T6, 6063-T5 and 6063-T6 for extrusions and components.*
2. *Mill Certified Inspection Report issued by Tifton, dated 06/18/96, with chemical composition and mechanical properties for aluminum alloy 6061-T6, 6063-T5 and 6063-T6 for extrusions and components.*
3. *Mill Certified Inspection Report issued by T & C Metal, a division of Town & Country Ind. dated 06/19/96, with chemical composition and mechanical properties for aluminum alloy 3003-H14, for the aluminum sheets.*
4. *Mill Certified Inspection Report issued by Commercial Plastic & Supply Corp., dated 06/11/96, with chemical composition and mechanical properties for GE Lexan #9034-112 for the plastic sheets.*

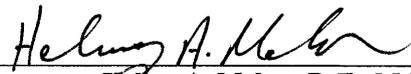
2. EVIDENCE SUBMITTED UNDER PREVIOUS APPROVAL # 00-0307.05

A. DRAWINGS

1. *None.*

B. TESTS

1. *None.*



Helmy A. Makar, P. E., M.S.
Product Control Examiner
NOA No 05-1004.08
Expiration Date: 05/01/2008
Approval Date: 03/01/2007

Shutter Enterprises Group, Inc.

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

C. CALCULATIONS

1. *None.*

D. MATERIAL CERTIFICATIONS

1. *None.*

3. EVIDENCE SUBMITTED UNDER PREVIOUS APPROVAL # 02-0426.07

A. DRAWINGS

See NOA 00-0307.05

B. TESTS

See NOA 00-0307.05

C. CALCULATIONS

See NOA 00-0307.05

D. MATERIAL CERTIFICATIONS

See NOA 00-0307.05

E. STATEMENTS

See NOA 00-0307.05

F. OTHER

NOA **00-0307.05.**

4. NEW EVIDENCE SUBMITTED

A. DRAWINGS

1. *Drawing No. 96-100-CS, titled " Colonial Shutter ", sheets 1 through 7 of 7, prepared by D. L. Fowler, P.E., dated September 23, 2005, signed and sealed by D. L. Fowler, P.E., on January 25, 2007*

B. TESTS

1. *None.*

C. CALCULATIONS

1. *None.*

D. QUALITY ASSURANCE

1. *By Miami-Dade County Building Code Compliance Office.*

E. MATERIAL CERTIFICATIONS

1. *None.*



Helmy A. Makar, P. E., M.S.
Product Control Examiner
NOA No 05-1004.08
Expiration Date: 05/01/2008
Approval Date: 03/01/2007

SHUTTER ENTERPRISES GROUP INC.

POMPANO BEACH, FLORIDA 33060

COLONIAL SHUTTER

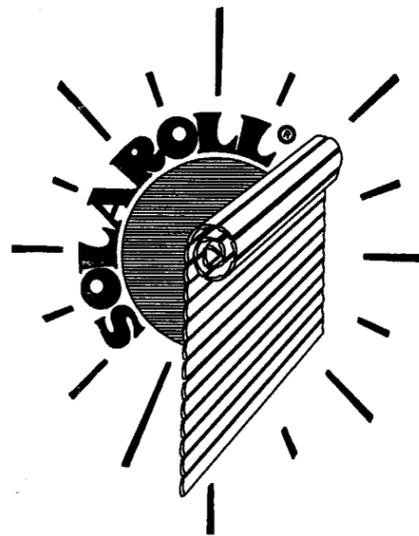
SHUTTER ENTERPRISES
GROUP INC.



4201 NE 12TH TERRACE
OAKLAND PARK, FL. 33304
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GENERAL NOTES

- 1.0 SHUTTER SYSTEM WAS DESIGNED TO MEET THE REQUIREMENTS OF THE SOUTH FLORIDA BUILDING CODE, DADE COUNTY 1994 EDITION, AND HAS BEEN REDESIGNED TO MEET THE 2004 FLORIDA BUILDING CODE. NO ADDITIONAL 1/3 ALLOWABLE STRESS INCREASE WAS USED. PRODUCT FOR USE INSIDE THE H.V.H.Z.
- 1.1 DESIGN WIND PRESSURES SHALL BE DERIVED USING THE AMERICAN SOCIETY OF CIVIL ENGINEERS STANDARD ASCE 7-02, AND FLORIDA BUILDING CODE 2004.
- 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 OR PLATED STEEL. ALL TAPCONS SHOWN ARE ELCO TAPCONS INSTALLED IN 3320 PSI MINIMUM CONCRETE.
- 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 SLAT AND GLAZING FOR A ELEVATIONS 0-30 FEET. CLEARANCES FOR SHUTTERS ABOVE 30 FEET ELEVATION SHALL BE NO LESS THAN 2 INCHES. THESE FIGURES REPRESENT THE MAXIMUM SLAT DEFLECTION PLUS 1 INCH.
- 8.0 ALTERATIONS OR ADDITIONS TO THIS DRAWING ARE NOT PERMITTED. DOCUMENT SHALL BEAR THE ORIGINAL SIGNATURE, SEAL, AND DATE OF THE PROFESSIONAL ENGINEER LISTED.
- 9.0 THIS PRODUCT APPROVAL IS SUITABLE FOR USE ONLY AS SPECIFICALLY STATED ON THE COMBINED PAGES OF THE ENTIRE DOCUMENT.



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.

TABLE OF CONTENTS

PAGE NO.	DESCRIPTION
1	GENERAL NOTES, TABLE OF CONTENTS
2	(4 PANEL) FLUSH MOUNT ELEVATION
3	(4 PANEL) FLUSH MOUNT DETAILS
4	(4 PANEL) BUILDOUT ELEVATION
5	(4 PANEL) BUILDOUT DETAILS
6	COLONIAL ASSEMBLY
7	COMPONENTS

PRODUCT REVISED
as complying with the Florida
Building Code
Acceptance No. 05-1004-08
Expiration Date 05/01/2008
By *Helmut H. Mabe*
Miami Dade Product Control
Division

NOTICE OF ACCEPTANCE
COLONIAL SHUTTER
PRODUCT APPROVAL

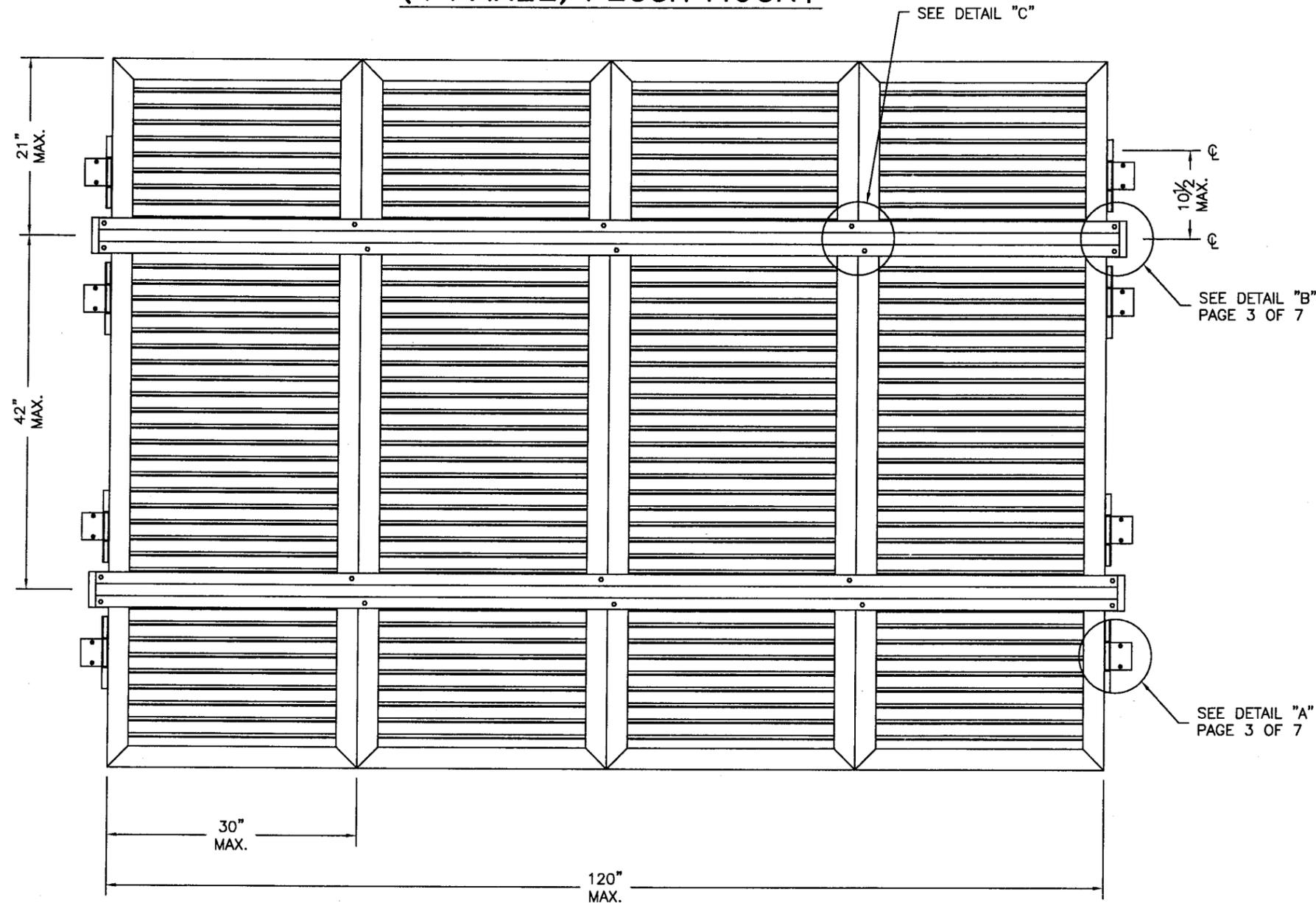
DRAWING TITLE:

D.L. Fowler
Professional Engineer
Florida License No.
PE0050458

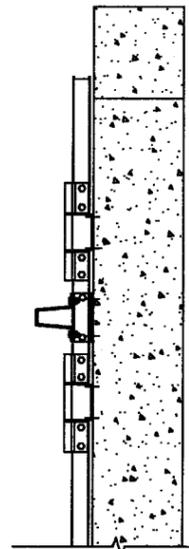
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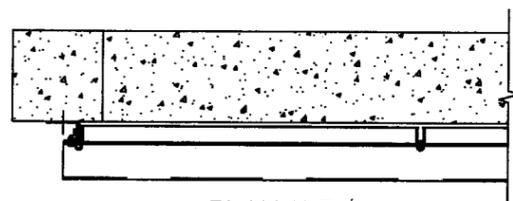
COLONIAL SHUTTER (4 PANEL) FLUSH MOUNT



ELEVATION



SIDE VIEW



PLAN VIEW

STORM BAR REQUIREMENTS

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

PRODUCT REVISED
as complying with the Florida
Building Code
Acceptance No. 05-1004.08
Expiration Date 05/01/2008
By *Helena A. Nolasco*
Miami Dade Product Control
Division

SHUTTER ENTERPRISES
GROUP INC.

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OAKLAND PARK, FL. 33334
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DRAWING TITLE:

NOTICE OF ACCEPTANCE
COLONIAL SHUTTER
PRODUCT APPROVAL

D.L. Fowler
Professional Engineer
Florida License No.
PE0050458

DRAWN: PA	
DATE: 9-17-05	
APPROVED: DF	
DATE: 09-23-05	
DRAWING NO: 96-100-CS	
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SHEET: 2 OF 7	

1-25-07

NOTICE OF ACCEPTANCE
COLONIAL SHUTTER
PRODUCT APPROVAL

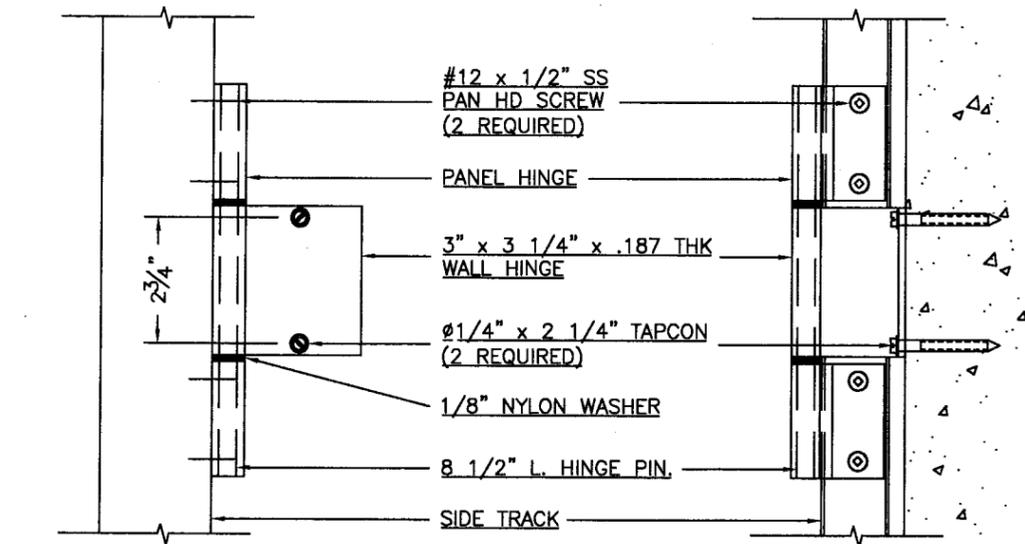
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D.L. Fowler
Professional Engineer
Florida License No.
PE0050458

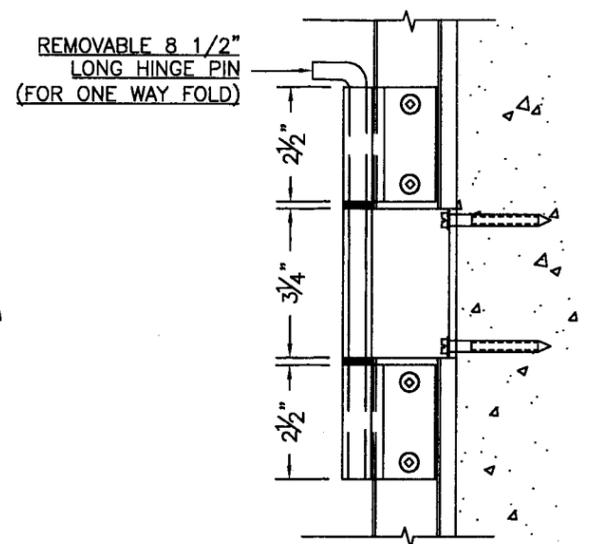


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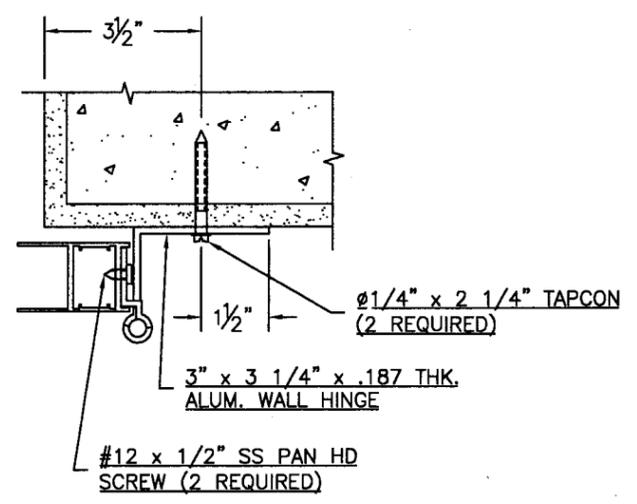
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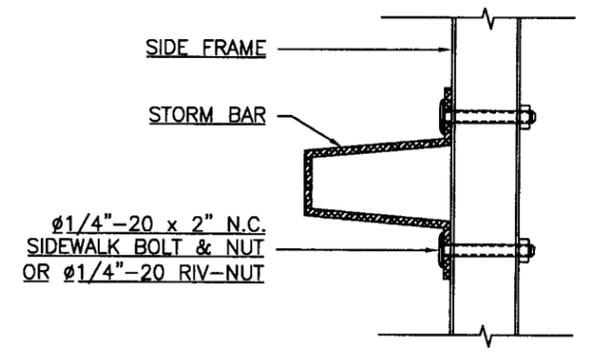
DETAIL "A"
FRONT VIEW WALL HINGE



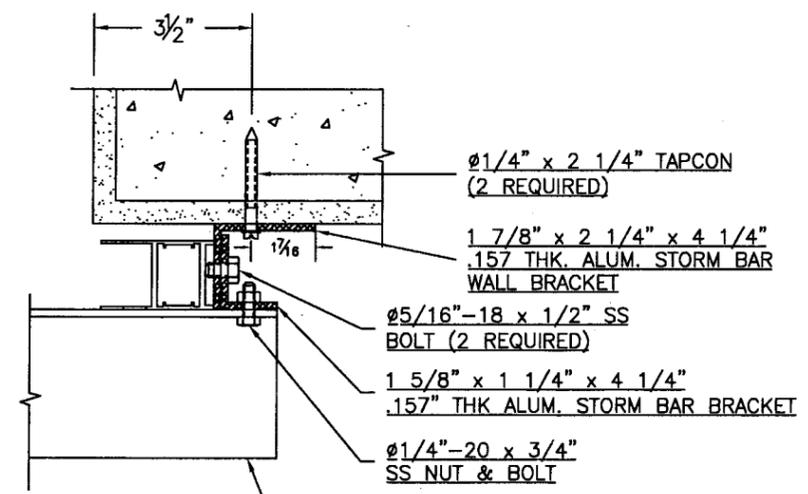
DETAIL "A"
SIDE VIEW WALL HINGE



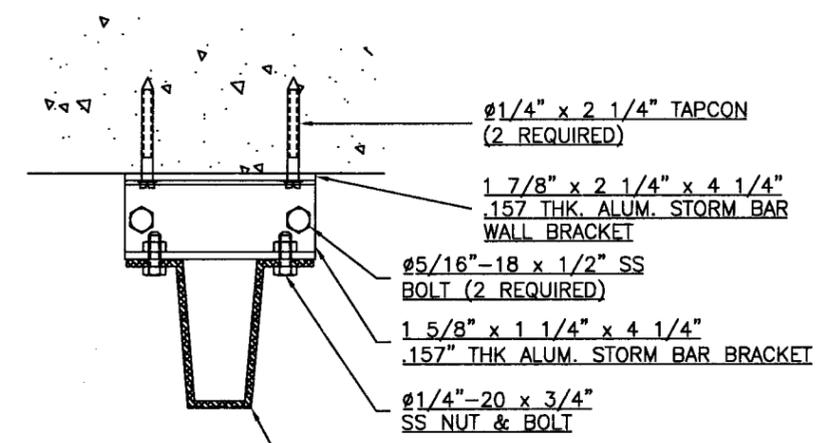
DETAIL "A"
PLAN VIEW



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



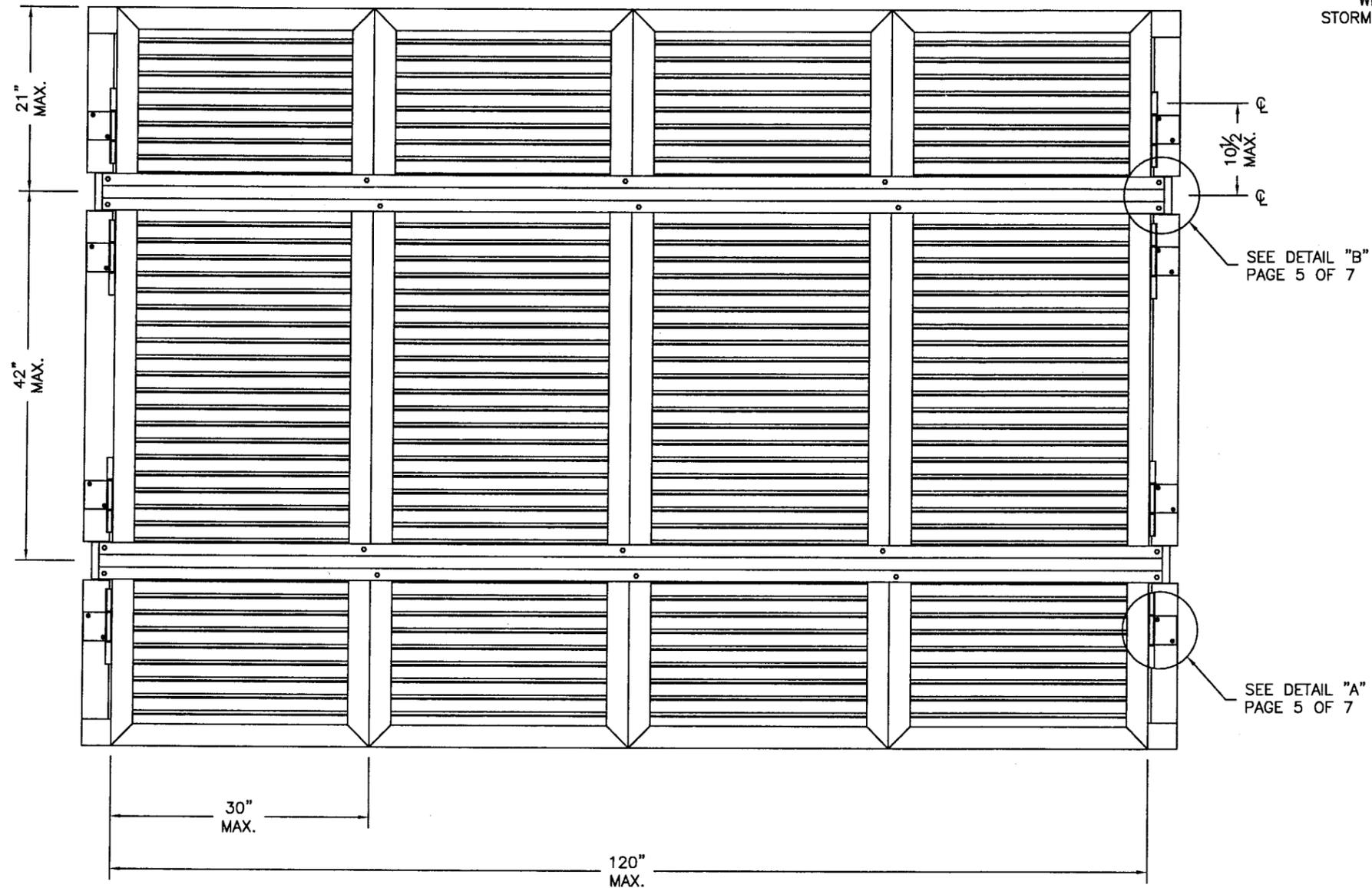
DETAIL "B"
PLAN VIEW
STORM BAR ATTACHED
TO WALL



DETAIL "B"
SIDE VIEW
STORM BAR ATTACHED
TO WALL

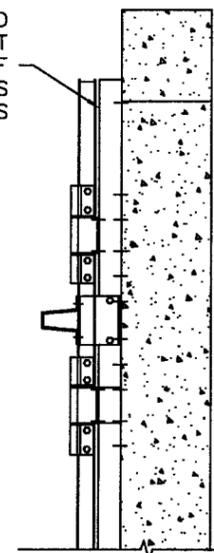
PRODUCT REVISED
as complying with the Florida
Building Code
Acceptance No. 05-1004-08
Expiration Date 05/01/2008
By *Heung A. Makin*
Miami Dade Product Control
Division

COLONIAL SHUTTER (4 PANEL) BUILDOUT

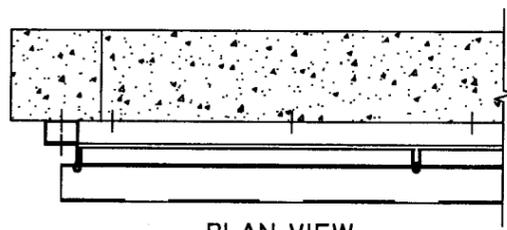


ELEVATION

BUILDOUT REQUIRED
FULL WIDTH & HEIGHT
WITH EXCEPTION OF
STORM BAR CONNECTIONS



SIDE VIEW



PLAN VIEW

STORM BAR REQUIREMENTS

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

PRODUCT REVISED
as complying with the Florida
Building Code
Acceptance No. 05-1004.08
Expiration Date 05/01/2008
By *Helmut A. Miller*
Miami Dade Product Control
Division

SHUTTER ENTERPRISES
GROUP INC.

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DRAWING TITLE:

NOTICE OF ACCEPTANCE
COLONIAL SHUTTER
PRODUCT APPROVAL

D.L. Fowler
Professional Engineer
Florida License No.
PE0050458

1-25-07

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DATE: 9-21-05	
APPROVED: DF	
DATE: 09-23-05	
DRAWING NO: 96-100-CS	
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SCALE: 3/4"=1'-0"	
SHEET: 4 OF 7	

NOTICE OF ACCEPTANCE
COLONIAL SHUTTER
PRODUCT APPROVAL

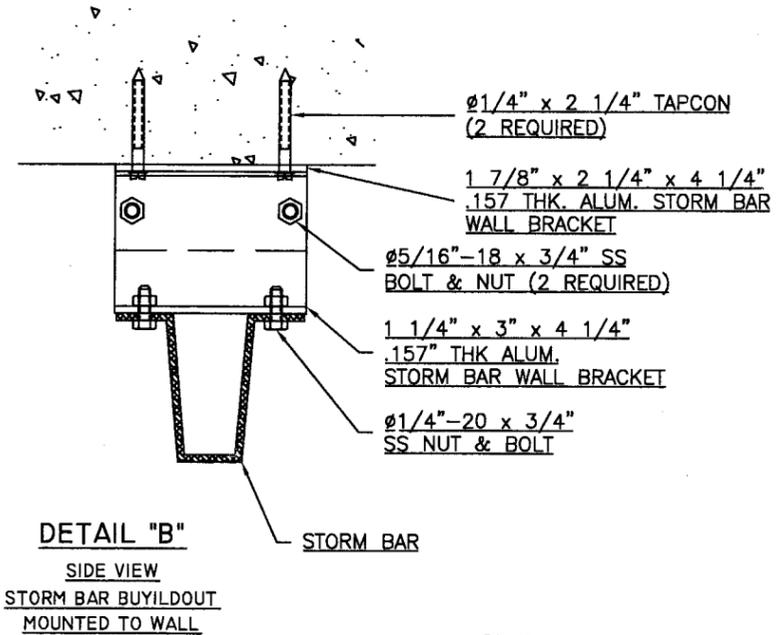
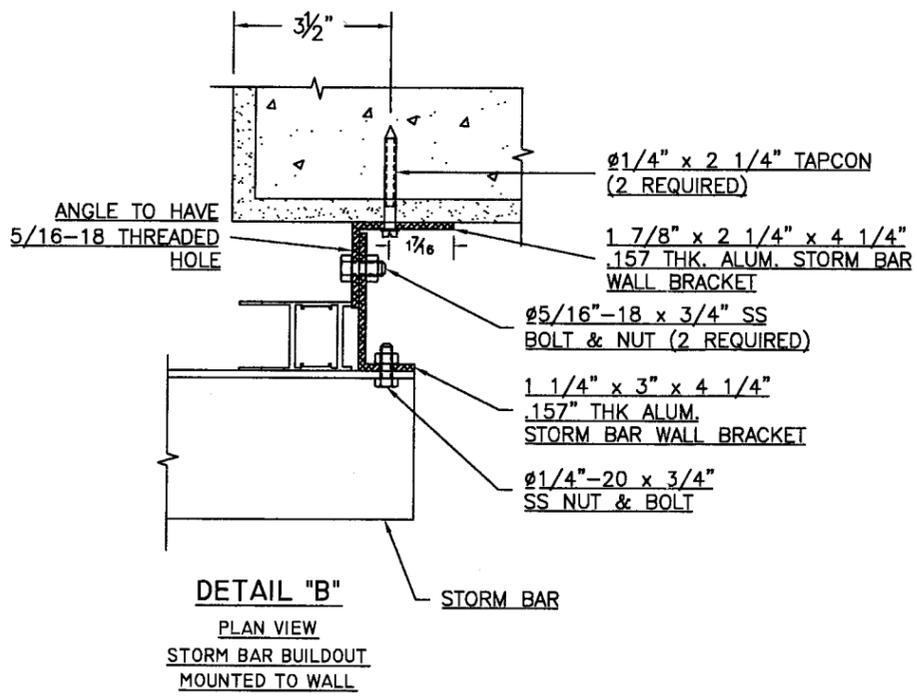
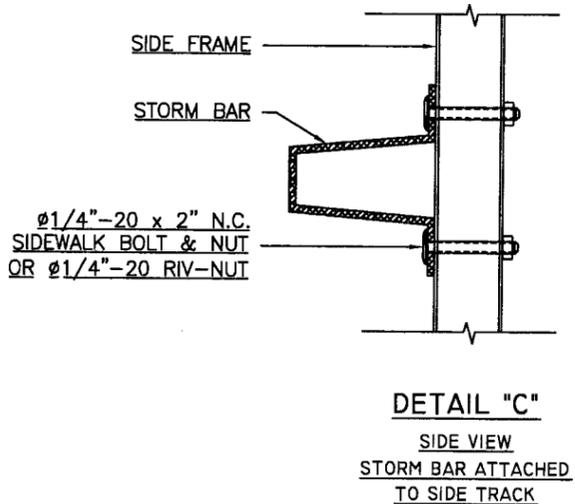
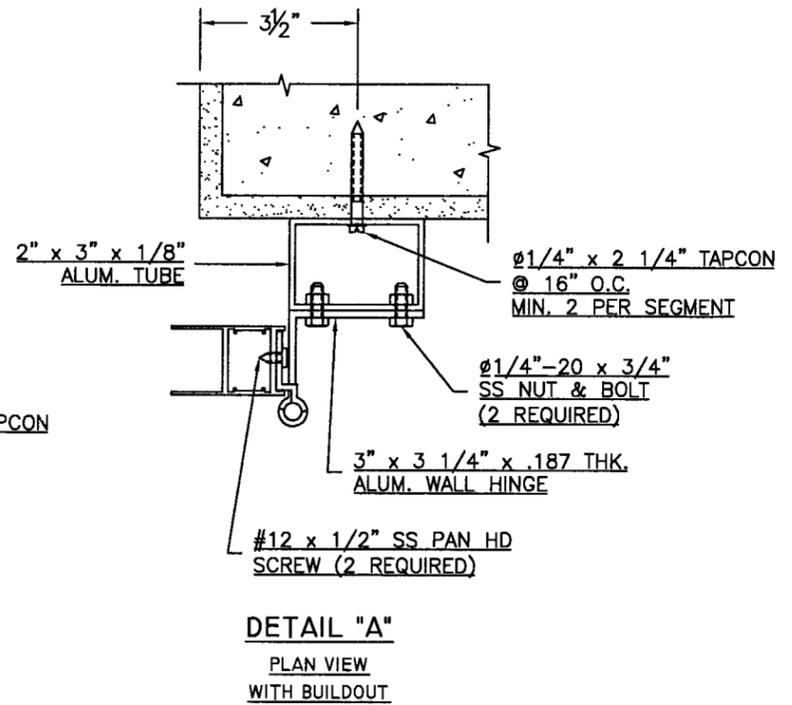
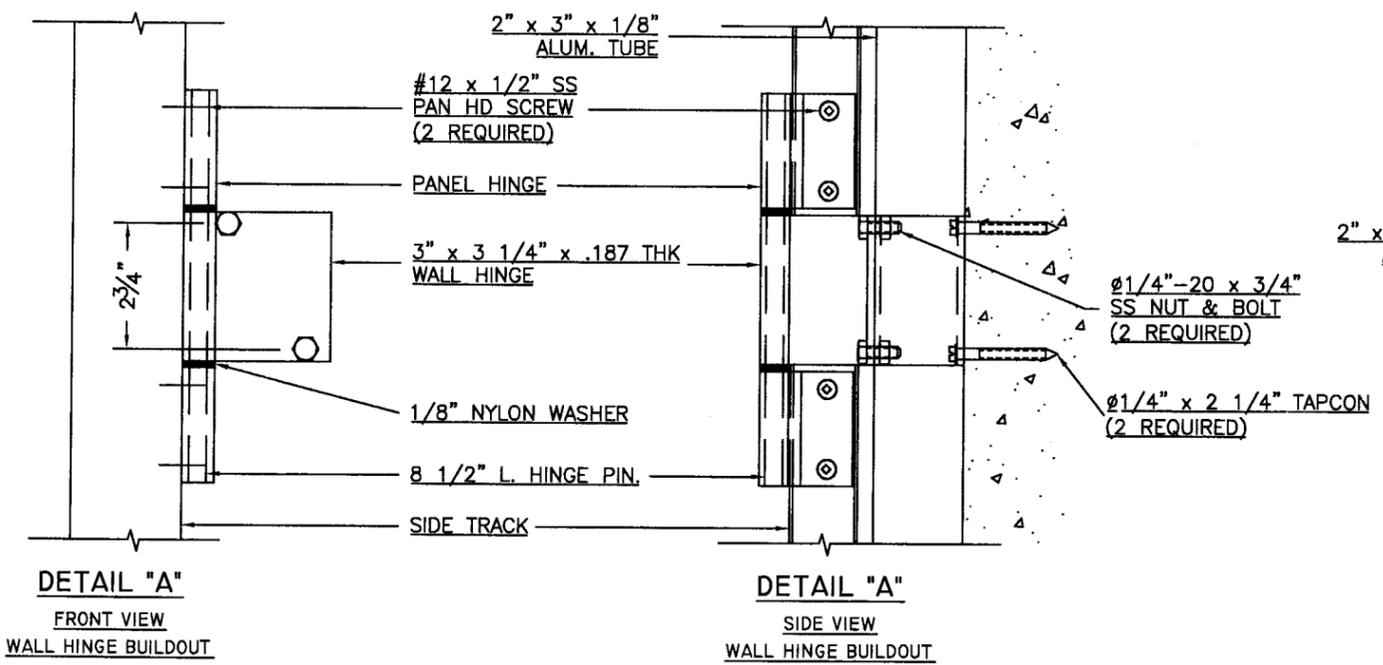
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D.L. Fowler
Professional Engineer
Florida License No.
PE0050458



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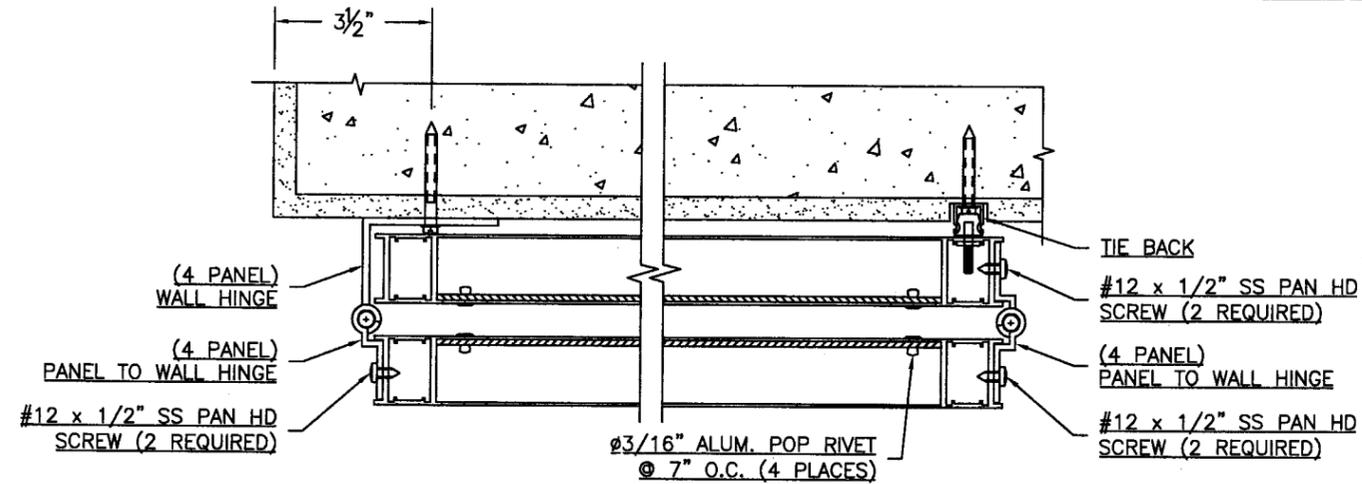
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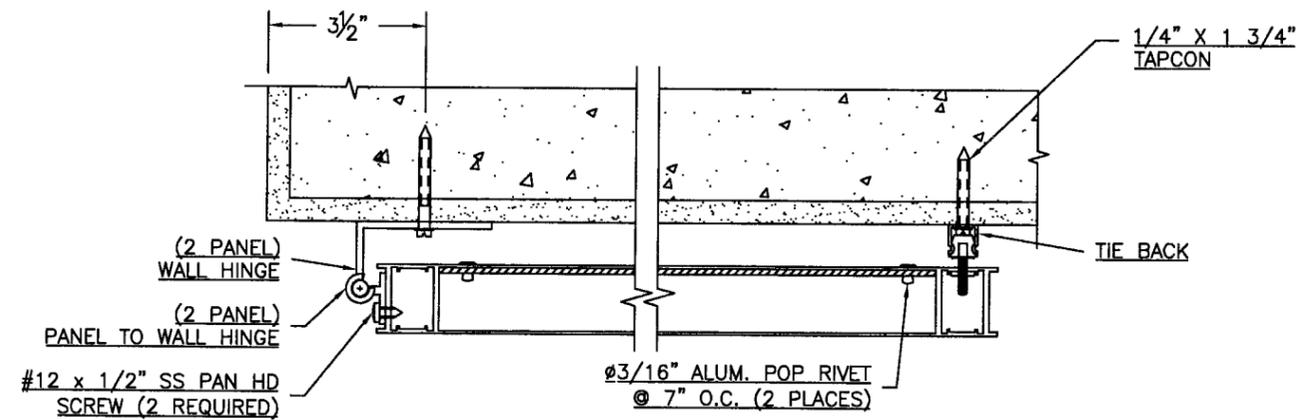
PRODUCT REVISED
to comply with the Florida
Building Code
Acceptance No. 05-1004.08
Expiration Date 05/01/2008

By *Heather A. Miller*
Miami Dade Product Control
Division

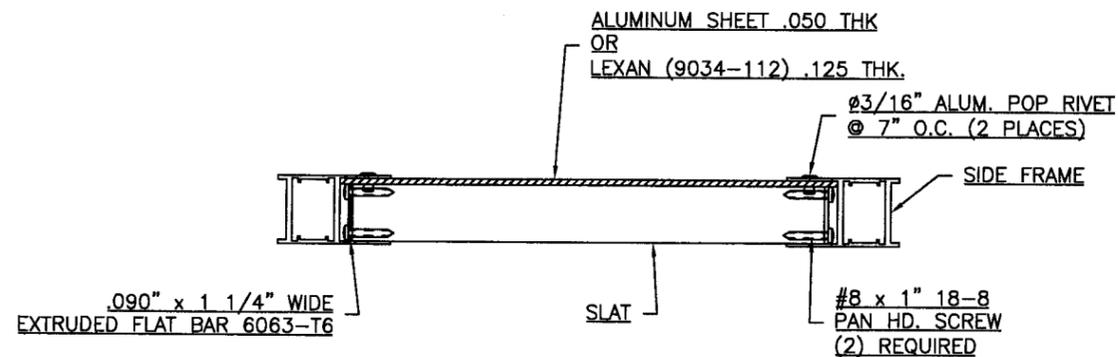
COLONIAL SHUTTER ASSEMBLY



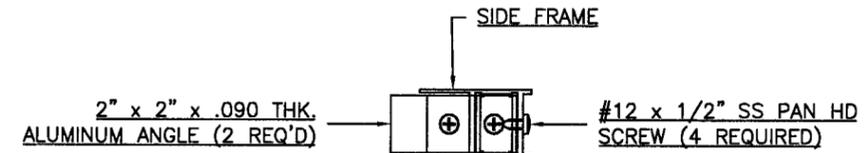
PLAN VIEW
 (4 PANEL) STACK
 OPEN POSITION



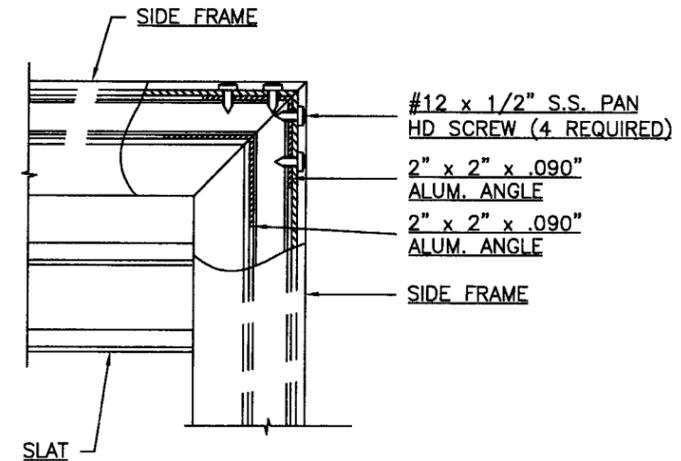
PLAN VIEW
 (2 PANEL) STACK
 OPEN POSITION



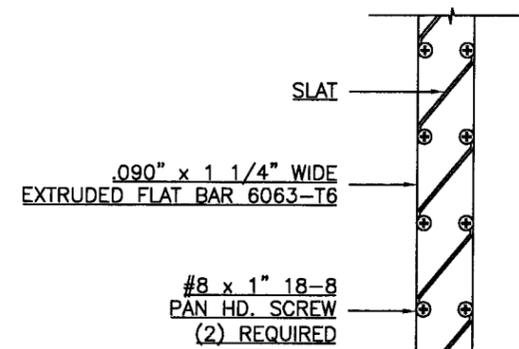
PLAN VIEW



PLAN VIEW
 WITH (2) ANGLES SHOWN



CORNER DETAIL
 WITH 2 ANGLE SHOWN



SIDE VIEW
 SHOWN WITHOUT SIDE FRAME

PRODUCT REVISED as complying with the Florida Building Code Acceptance No. 05-1004.08 Expiration Date 05/01/2008
 By *Herlinda A. Miller*
 Miami Dade Product Control Division

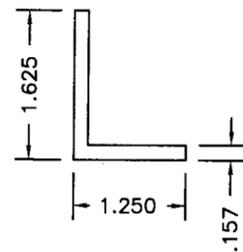
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 4201 NE 12TH TERRACE
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NOTICE OF ACCEPTANCE
 COLONIAL SHUTTER
 PRODUCT APPROVAL

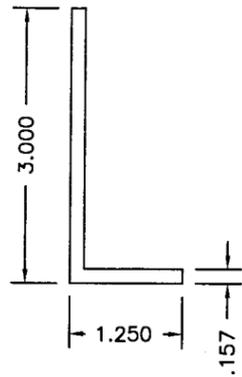
D.L. Fowler
 Professional Engineer
 Florida License No. PE0950458
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 1-25-07

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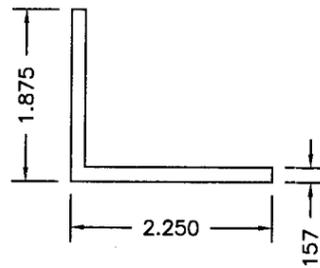
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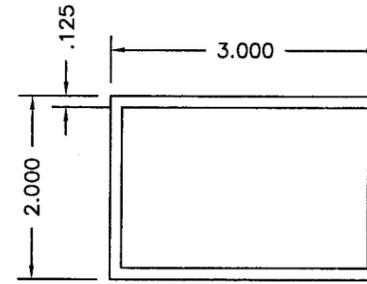
STORM BAR BRACKET
 1 1/4" x 1 5/8" x 4 1/4" x .157 THK.
 MATERIAL: ALUM. ALLOY 6063-T6



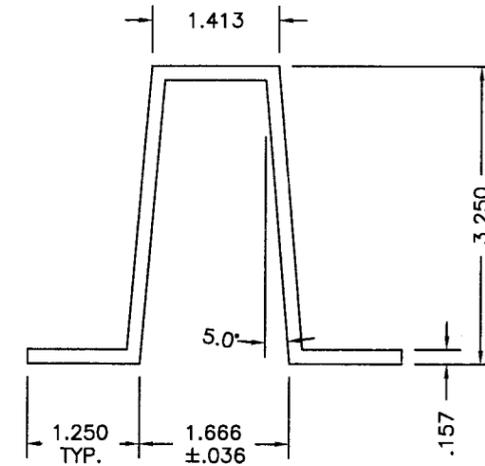
STORM BAR BRACKET
 1 1/4" x 3" x 4 1/4" x .157 THK.
 MATERIAL: ALUM. ALLOY 6063-T6



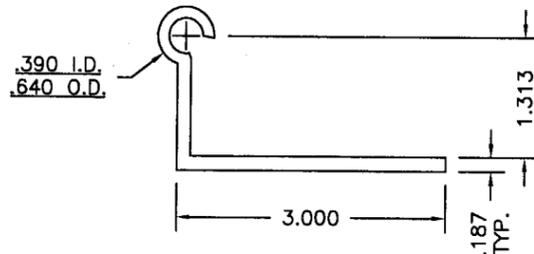
STORM BAR WALL BRACKET
 1 7/8" x 2 1/4" x 4 1/4" x .157 THK.
 MATERIAL: ALUM. ALLOY 6063-T6



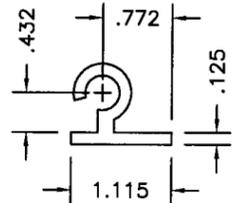
RECTANGULAR TUBE
 2" x 3" x .125 THK.
 MATERIAL: ALUM. ALLOY 6063-T6



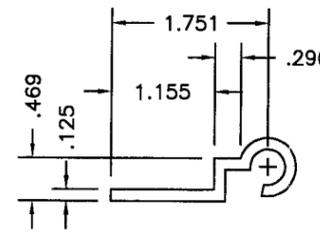
STORM BAR (2 OR 4 PANEL)
 MATERIAL: ALUM. ALLOY 6061-T6



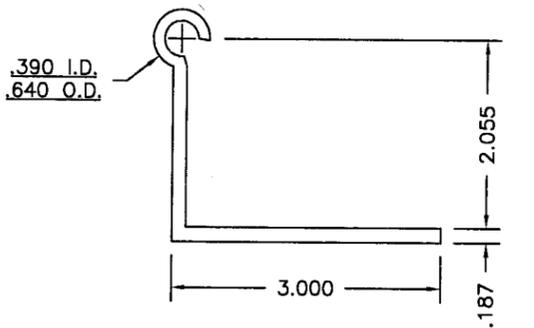
3 1/4" LONG WALL HINGE (2 PANEL)
 MATERIAL: ALUM. ALLOY 6063-T6



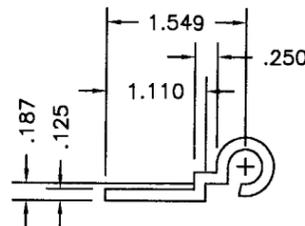
2 1/2" LONG PANEL TO WALL HINGE (2 PANEL)
 MATERIAL: ALUM. ALLOY 6063-T6



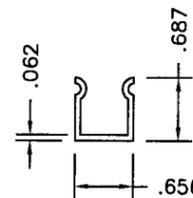
2 1/2" LONG PANEL TO WALL HINGE (4 PANEL)
 MATERIAL: ALUM. ALLOY 6063-T6



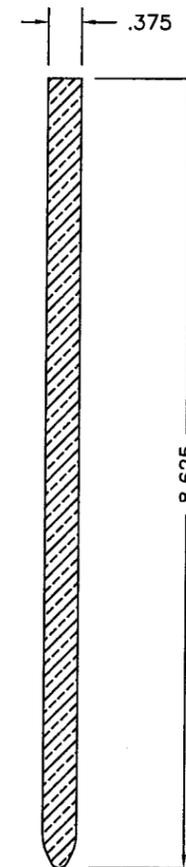
3 1/4" LONG WALL HINGE (4 PANEL)
 MATERIAL: ALUM. ALLOY 6063-T6



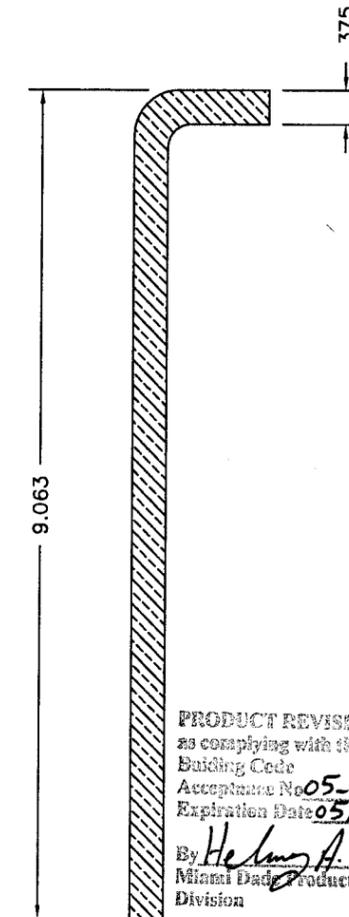
2 1/2" LONG PANEL TO PANEL HINGE
 MATERIAL: ALUM. ALLOY 6063-T6



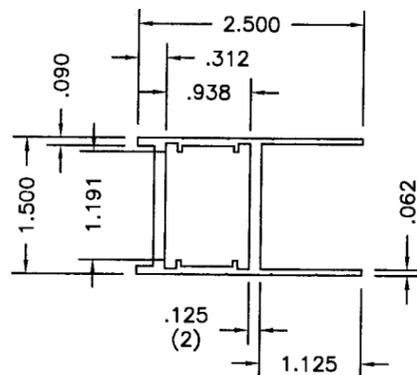
TIE BACK
 MATERIAL: ALUM. ALLOY 6063-T6



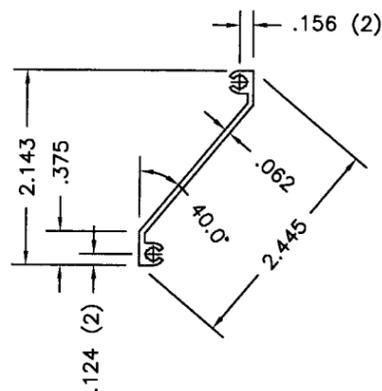
HINGE PIN
 ALUM. ALLOY 6063-T5



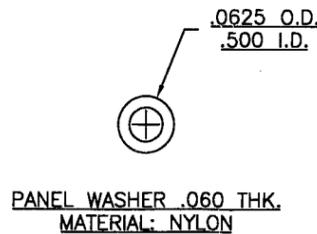
REMOVABLE HINGE PIN
 ALUM. ALLOY 6063-T5



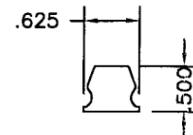
SIDE TRACK
 MATERIAL: ALUM. ALLOY 6063-T6



SLAT
 MATERIAL: ALUM. ALLOY 6063-T6



PANEL WASHER .060 THK.
 MATERIAL: NYLON



TIE BACK (CLAMP)
 MATERIAL: PLASTIC

SHUTTER ENTERPRISES GROUP INC.

4201 NE 12TH TERRACE
 OAKLAND PARK, FL. 33334
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**NOTICE OF ACCEPTANCE
 COLONIAL SHUTTER
 PRODUCT APPROVAL**

DRAWING TITLE:

D.L. Fowler
 Professional Engineer
 Florida License No.
 PE0650458

[Signature]

1-25-07

PRODUCT REVISED
 as complying with the Florida
 Building Code
 Acceptance No. 05-1004.08
 Expiration Date 05/01/2008

By *[Signature]*
 Miami Dade Product Control
 Division

DRAWN:	P4
DATE:	9-22-05
APPROVED:	DF
DATE:	09-23-05
DRAWING NO.:	96-100-CS
SIZE:	B A
SCALE:	1:4
SHEET:	7 OF 7