



MIAMI-DADE COUNTY, FLORIDA
METRO-DADE FLAGLER BUILDING

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

PRODUCT CONTROL NOTICE OF ACCEPTANCE

Exeter Architectural Products
243 W. Eight Street
Wyoming PA 18644

CONTRACTOR LICENSING SECTION
(305) 375-2527 FAX (305) 375-2558

CONTRACTOR ENFORCEMENT SECTION
(305) 375-2966 FAX (305) 375-2908

PRODUCT CONTROL DIVISION
(305) 375-2902 FAX (305) 372-6339

Your application for Product Approval of:

Storm Shield Hurricane Barriers

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 approval shall not be valid after the expiration date stated below. BCCO reserves the right to secure this product or material at anytime 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 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.: 00-0512.05

Expires: 07/10/2003

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 Dade County, Florida under the conditions set forth above.

Francisco J. Quintana, R.A.
Director

Miami-Dade County
Building Code Compliance Office

Approved: 07/27/2000

1 of 3



Exeter Architectural Products

ACCEPTANCE No. : 00-0512.05

APPROVED : JUL 27 2000

EXPIRES : July 10, 2003

NOTICE OF ACCEPTANCE: SPECIFIC CONDITIONS

1. SCOPE

This renews the Notice of Acceptance No. 98-0130.02, which was issued on June 18, 1998. It approves a 14 Gauge Steel Bahama 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 14 Gauge Steel Bahama Shutter and its components shall be constructed in strict compliance with the following documents: Drawing No. SSHB-R-98, titled "Storm Shield Hurricane Barriers, Ready-Mount / Bahama Units", prepared by Thomas H. Maxwell Jr., P.E., dated 06/05/95, 02/21/94, 11/01/95, 11/15/95, last revision dated March 16 & 17, 1998, sheets 1 through 12 of 12, signed and sealed by Thomas H. Maxwell Jr., P.E., 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 14 Gauge Steel Bahama 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".

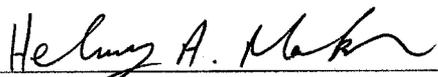
6. BUILDING PERMIT REQUIREMENTS

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

Exeter Architectural Products

ACCEPTANCE No. : 00-0512.05

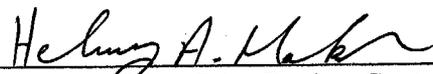
APPROVED : JUL 27 2000

EXPIRES : July 10, 2003

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 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

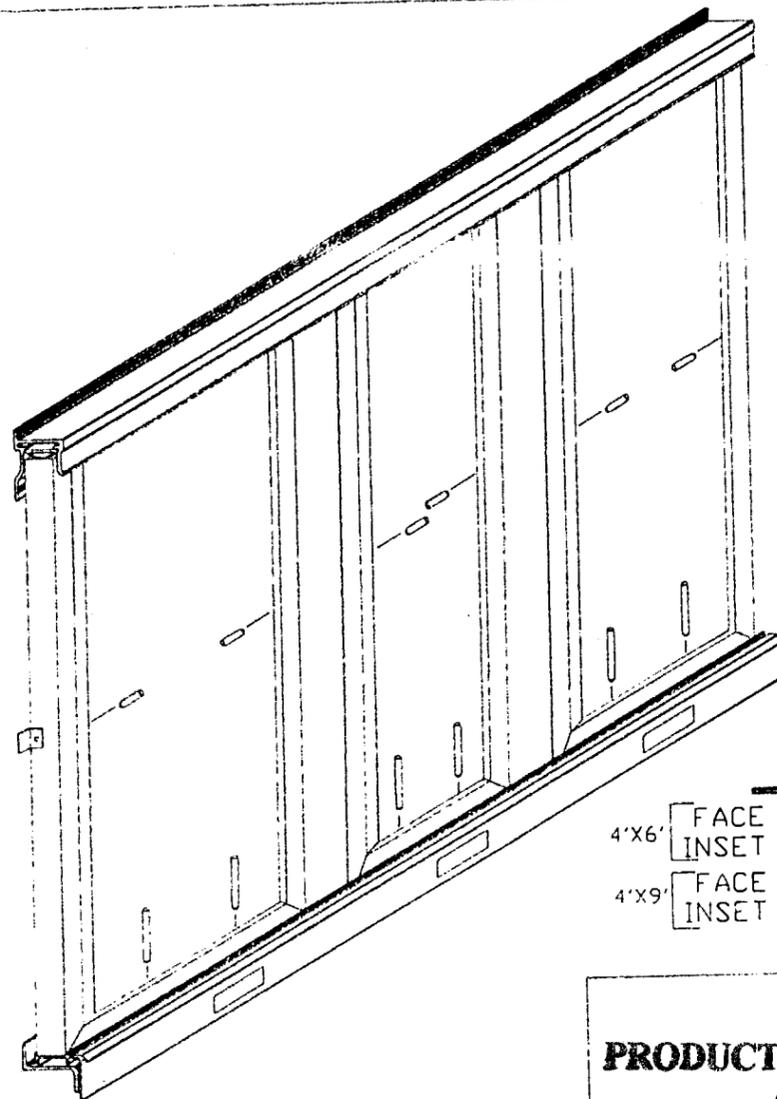
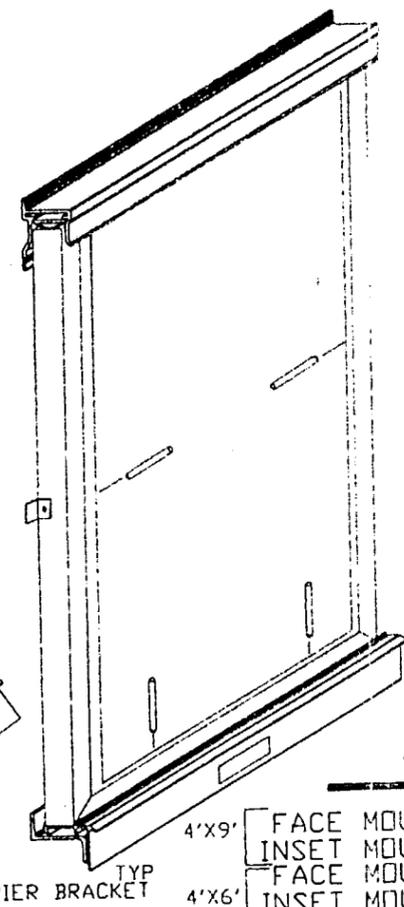
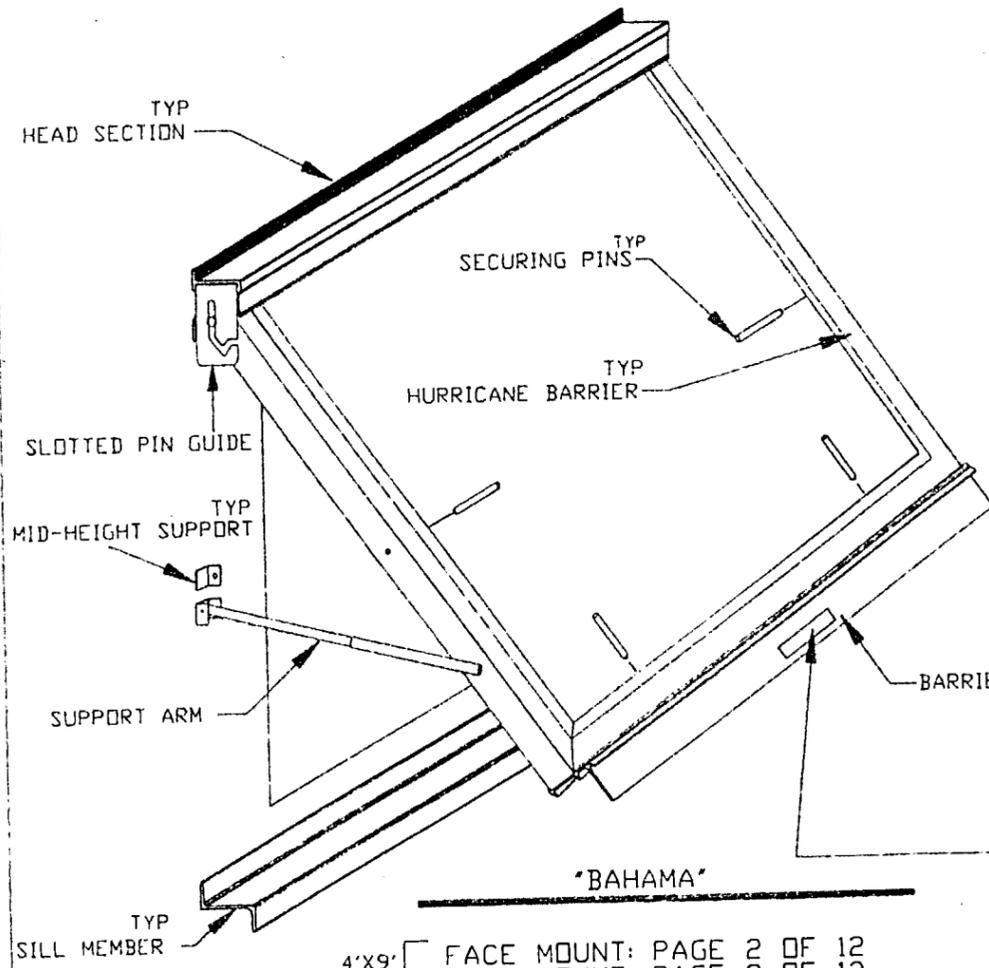


Helmy A. Makar, P.E. -Product Control Examiner
Product Control Division

TYPICAL DETAILS FOR STORM SHIELD
"BAHAMA/READY MOUNT" UNITS

- THE "BAHAMA" AND "READY MOUNT" HURRICANE BARRIERS UTILIZE THE SAME HEAD, SILL, BARRIER, BARRIER BRACKET, AND MID-HEIGHT SUPPORT FOR STRUCTURAL ATTACHMENT.
- THE SUPPORT ARMS AND METHOD OF PIVOTING ON THE "BAHAMA" UNITS ARE FOR NON-HURRICANE LOADING ONLY.
- THIS DESIGN COMPLIES WITH THE SOUTH FLORIDA BUILDING CODE
- PRESSURE REQUIREMENTS MUST BE DETERMINED USING ASCE 7-88 "MINIMUM DESIGN LOADS FOR BUILDING AND OTHER STRUCTURES"
- DESIGN PRESSURE RATING

- 4' X 9' SINGLE = +160 PSF, -160 PSF
- 4' X 6' TRIPLE = +160 PSF, -160 PSF
- 4' X 9' TRIPLE = +100 PSF, -120 PSF
- 4' X 6' SINGLE = +224.5 PSF, -224.5 PSF



Handwritten signature
3-19-98

CONSULTING ENGINEER
THOMAS H. MAXWELL, P.E.
121 N.W. 39 AVE.
MIAMI, FLORIDA 33126
(305) 541-7549

Board of Professional Engineers Exam: Mechanical-Structural: 1965
State of Florida P.E. Registration No. 10150
U.S. Army Corps of Engineers: Civil-Structural Engineer
Florida Power & Light Company: Electrical Engineer

#98-0130.02

"MULTIPLE UNITS"

- 4'X6' FACE MOUNT: PAGE 7 OF 12
- 4'X6' INSET MOUNT: PAGE 8 OF 12
- 4'X9' FACE MOUNT: PAGE 9 OF 12
- 4'X9' INSET MOUNT: PAGE 10 OF 12

- "READY-MOUNT"
- 4'X9' FACE MOUNT: PAGE 2 OF 12
 - 4'X9' INSET MOUNT: PAGE 3 OF 12
 - 4'X6' FACE MOUNT: PAGE 4 OF 12
 - 4'X6' INSET MOUNT: PAGE 5 OF 12

- 4'X9' FACE MOUNT: PAGE 2 OF 12
 - 4'X9' INSET MOUNT: PAGE 3 OF 12
 - 4'X6' FACE MOUNT: PAGE 4 OF 12
 - 4'X6' INSET MOUNT: PAGE 5 OF 12
- FOR FURTHER DETAILS REGARDING THE BAHAMA UNIT REFER TO PAGE 6 OF 12

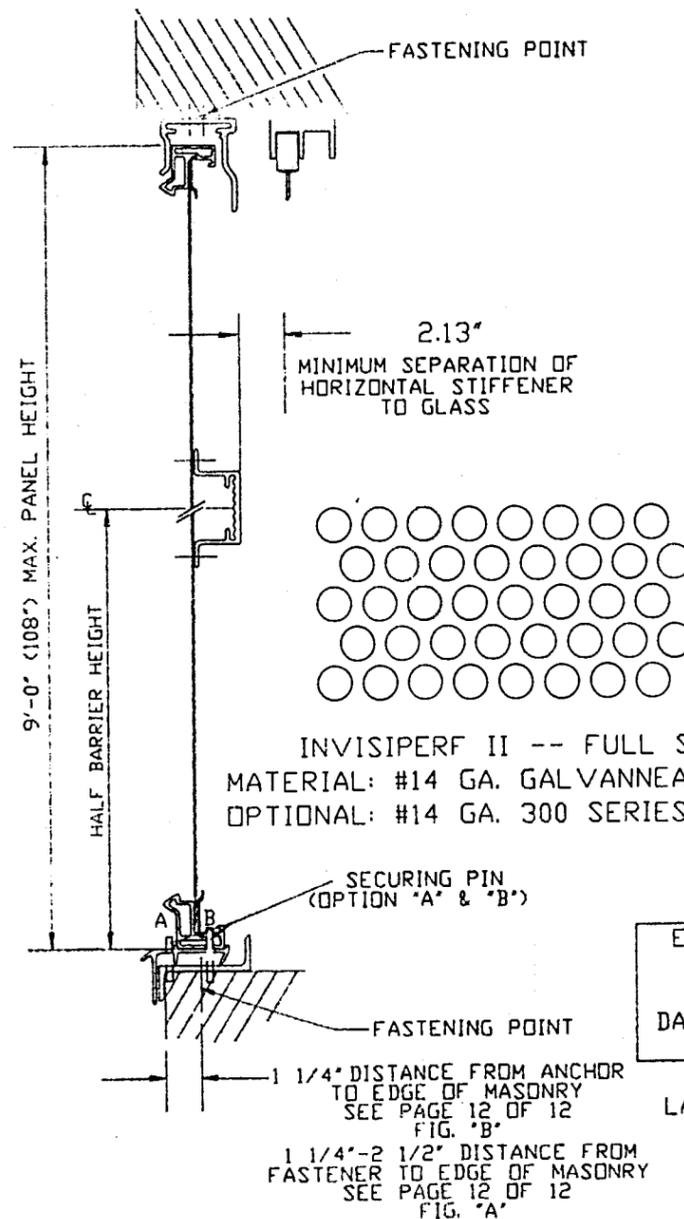
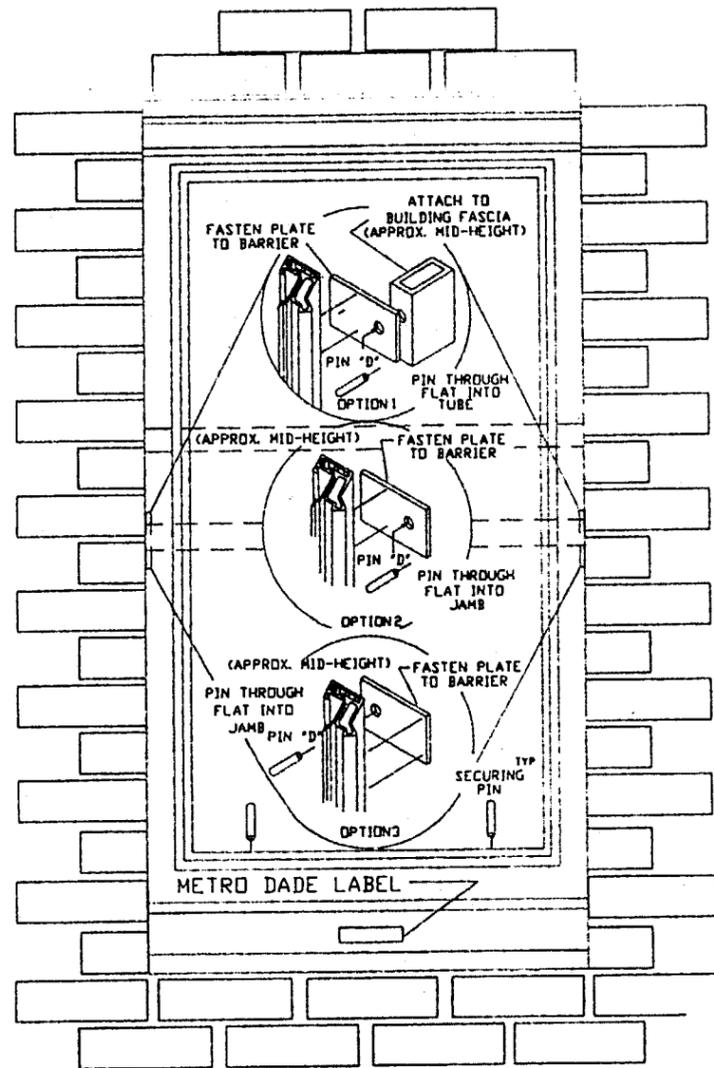
METRO DADE LABEL
EXETER STORM SHIELD
WYOMING, PA.
800-972-2478
DADE COUNTY PRODUCT
CONTROL APPROVED
LABEL SIZE: 2" X 3/4"

PRODUCT RENEWED APPROVED AS COMPLYING WITH THE SOUTH FLORIDA BUILDING CODE
ACCEPTANCE No. 00-0512.05 DATE JUNE 18 1998
EXPIRATION DATE July 10, 2003 BY [Signature]
By Helmut A. Plehn PRODUCT CONTROL DIVISION
PRODUCT CONTROL DIVISION BUILDING CODE COMPLIANCE OFFICE
BUILDING CODE COMPLIANCE OFFICE ACCEPTANCE NO. 98-0130.02

TITLE/CUSTOMER		STORM SHIELD HURRICANE BARRIERS (READY-MOUNT/BAHAMA UNITS)	
SCALE:	NTS	DRAWN BY:	RJS
DATE:	6-5-95	REVISED	2-9-96 1-19-98 3-17-98
243 W. 8TH ST. WYOMING PA 18644		717-693-4220 FAX 693-2575	
PRODUCT CONTROL CODE:	#98-0130.02	DRAWING NO.	SSH-B-R-98
		PAGE 1 OF 12	



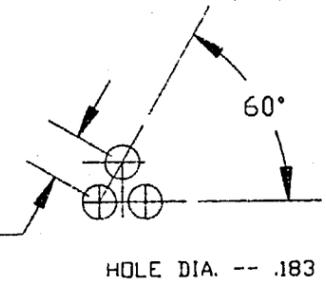
NOTE: PERF NOT SHOWN FOR CLARITY



INVISIPERF II -- FULL SCALE
 MATERIAL: #14 GA. GALVANNEALED STEEL
 OPTIONAL: #14 GA. 300 SERIES STAINLESS STEEL

EXETER STORM SHIELD
 WYOMING, PA.
 800-972-2478
 DADE COUNTY PRODUCT CONTROL APPROVED

LABEL SIZE: 2' X 3/4'
 .250



- NOTE:**
- METAL FINISHES: TGIC POLYESTER POWDER COAT ON GALVANNEALED PERFORATED METAL AND PPG POLYCHRON OR KYNAR ON 6063 T6 ALUMINUM
 - 1/4" X 2" SECURING PIN (MIN); S/S, OR ZINC COATED REQ'D; SECURING PINS AT SILL MUST BE LOCATED AT POSITION 'A' OR 'B' ONLY
 - FASTENERS: 1/4" DIA TAPPING MASONRY ANCHORS BY 2 1/4" LENGTH MINIMUM OR EQUAL, 2 1/2" FROM EACH END; EQUALLY SPACED THEREAFTER. (SEE PAGE 12 OF 12 FOR FASTENER SCHEDULE)
 - FOR LABORATORY TESTING OF A 4' X 9' PANEL, FASTENERS WERE PLACED 2 1/2" FROM EACH END, APPROXIMATELY 10 3/4" ON CENTER (FIVE FASTENERS PER HEAD; FIVE FASTENERS PER SILL)
 - MID-HEIGHT SUPPORT BRACKETS REQUIRE TWO (2) FASTENERS EACH.
 - FOR OPTIONAL FULL HEIGHT MID-HEIGHT SUPPORT FASTENERS MUST BE PLACED, ONE .75" ABOVE CENTER OF LENGTH AND ONE .75" BELOW CENTERLINE OF LENGTH, 12" ON CENTER THEREAFTER.
 - FOR DETAILS REGARDING FASTENING HORIZONTAL STIFFENER TO BARRIER SEE PAGE 11 OF 12

CONSULTING ENGINEER
 THOMAS H. MAXWELL JR., P.E.
 121 N.W. 39 AVE.
 MIAMI, FLORIDA 33126
 (305) 541-7549

Board of Professional Engineers
 Exam: Mechanical-Structural; 1965
 State of Florida P.E. Registration
 No. 10150
 U.S. Army Corps of Engineers:
 Civil-Structural Engineer
 Florida Power & Light Company:
 Electrical Engineer

Thomas H. Maxwell Jr.
 3-19-98

PRODUCT RENEWED

ACCEPTANCE No. 00-0512.05

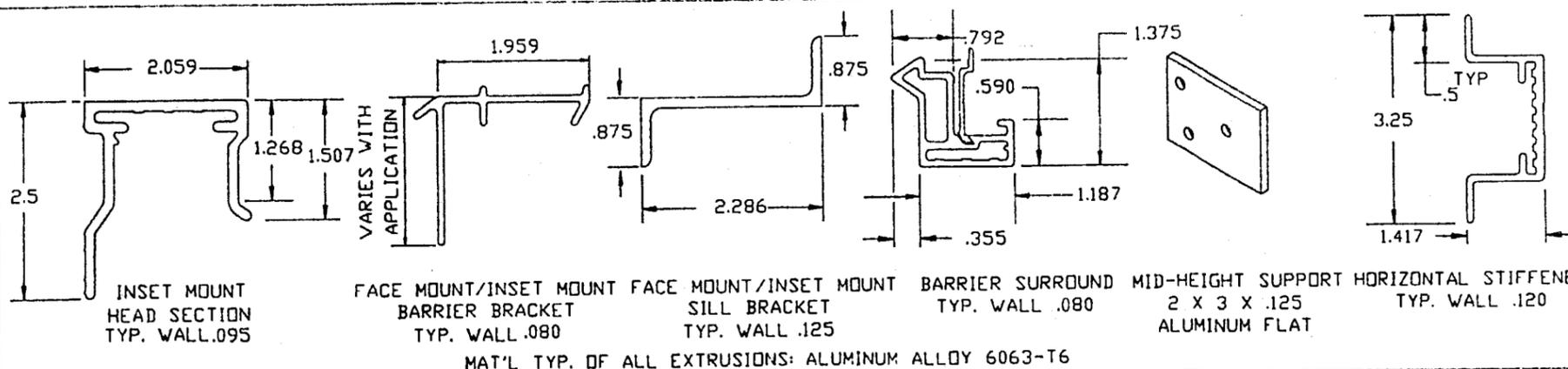
EXPIRATION DATE July 19, 2003

By *Helmut A. Mohr*

PRODUCT CONTROL DIVISION
 BUILDING CODE COMPLIANCE OFFICE

APPROVED AS COMPLYING WITH THE
 SOUTH FLORIDA BUILDING CODE
 DATE JUNE 18, 1998
 BY *[Signature]*

PRODUCT CONTROL DIVISION
 BUILDING CODE COMPLIANCE OFFICE
 ACCEPTANCE No. 98-0130.02



TITLE/CUSTOMER
 TYPICAL INSET MOUNT DETAILS FOR STORM SHIELD
 "BAHAMA/READY MOUNT UNITS"
 4' X 9' SINGLE

SCALE: NTS

DATE: 6-5-95

DRAWN BY: RJS

REVISED: 3-19-96, 3-17-98

243 W. 8TH ST.
 WYOMING PA 18644

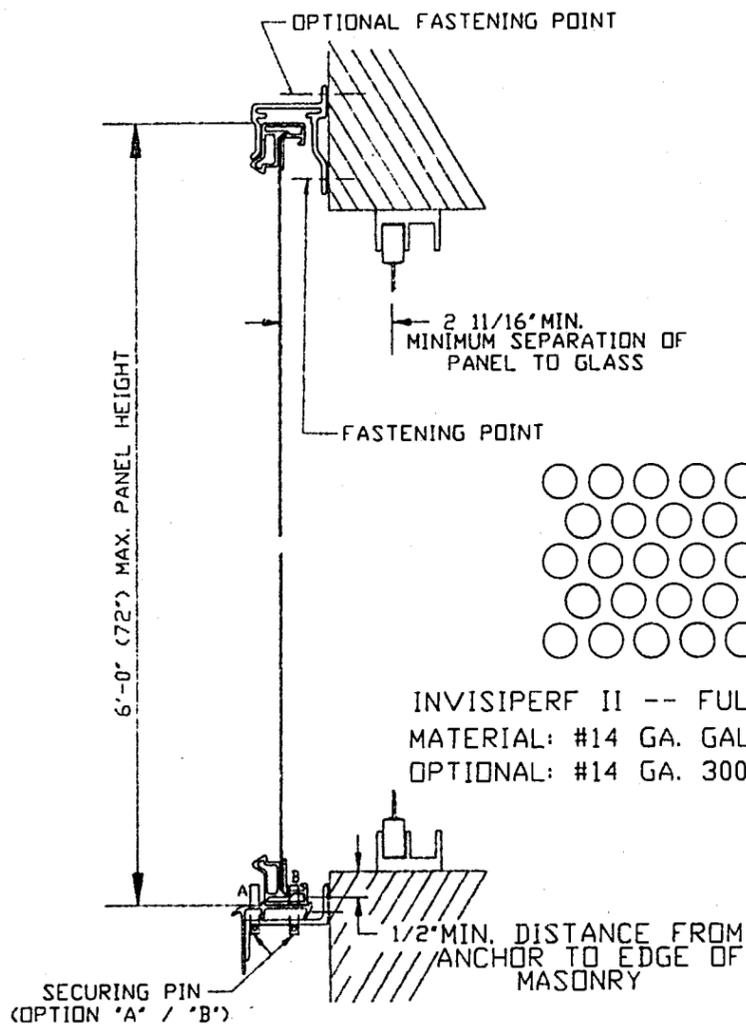
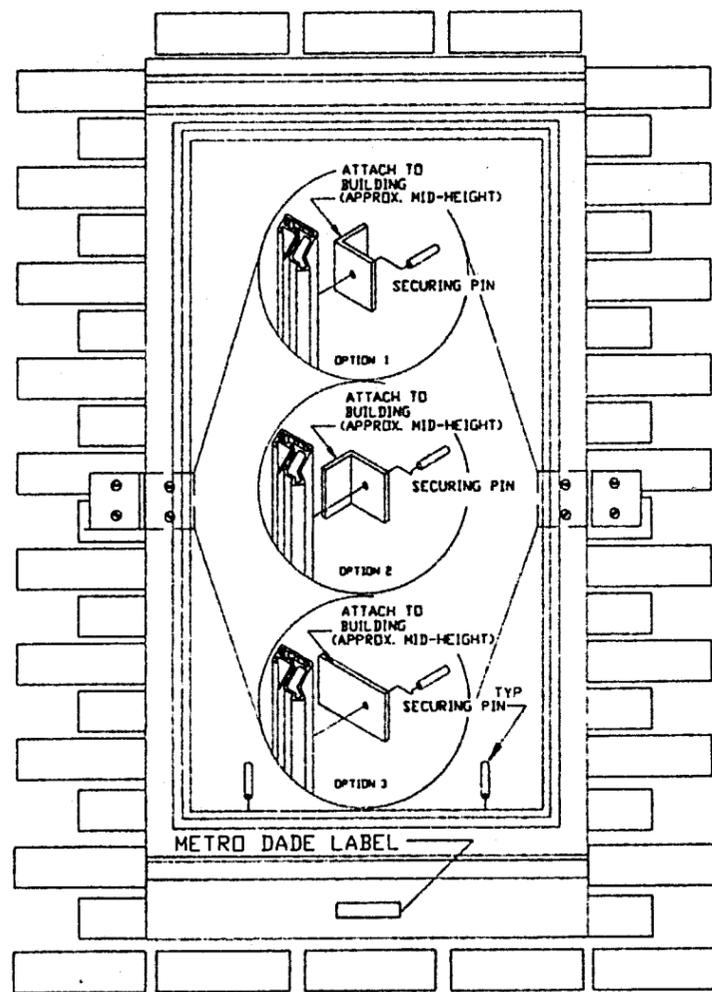
717-693-4220
 FAX 693-2575

PRODUCT CONTROL CODE: #98-0130.02

DRAWING NO. SSHB-R-98
 PAGE 3 OF 12

TYPICAL FACE MOUNTING DETAILS FOR STORM SHIELD
"BAHAMA/READY MOUNT UNITS"

NOTE: -PERF NOT SHOWN FOR CLARITY



NOTE:

- METAL FINISHES: TGIC POLYESTER POWDER COAT ON GALVANEALD PERFORATED METAL AND PPG POLYCHRON OR KYNAR ON 6063 T6 ALUMINUM
- 1/4" X 2" SECURING PIN (MIN); S/S, OR ZINC COATED REQ'D
- FASTENERS: 1/4"Ø TAPCONS OR 1/4"Ø LAG SCREWS INTO 5/16" MASONRY ANCHORS BY DIMEBOX BRAND HARDWARE BY 2 1/4" LENGTH MINIMUM OR EQUAL. 2 1/2" FROM EACH END; EQUALLY SPACED THEREAFTER. (SEE PAGE 12 OF 12 TABLE 'A' FOR QUANTITY OF FASTENERS REQUIRED)
- MID-HEIGHT SUPPORT BRACKETS REQUIRE TWO (2) FASTENERS EACH

CONSULTING ENGINEER
THOMAS H. MAXWELL JR., P.E.
121 N.W. 39 AVE.
MIAMI, FLORIDA 33126
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Board of Professional Engineers Exam: Mechanical-Structural: 1965
State of Florida P.E. Registration No. 10150
U.S. Army Corps of Engineers: Civil-Structural Engineer
Florida Power & Light Company: Electrical Engineer

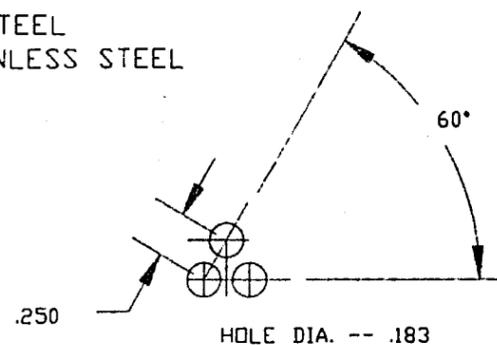
PRODUCT RENEWED
ACCEPTANCE No. 00-0812-05

EXPIRATION DATE July 10, 2003
By *Helmut A. Mader*
PRODUCT CONTROL DIVISION
BUILDING CODE COMPLIANCE OFFICE

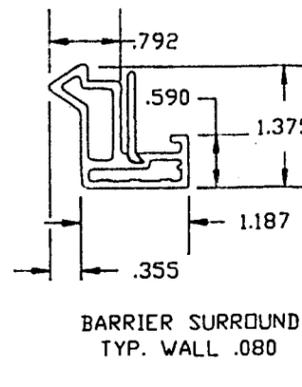
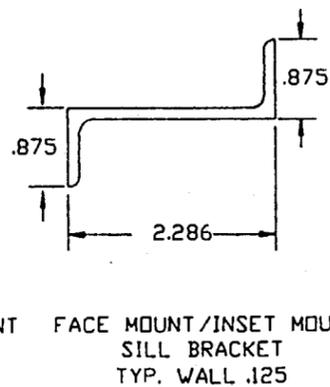
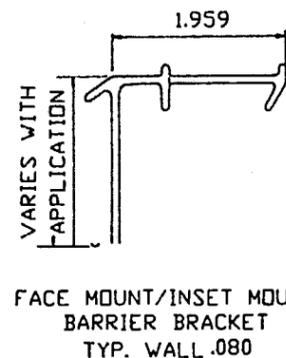
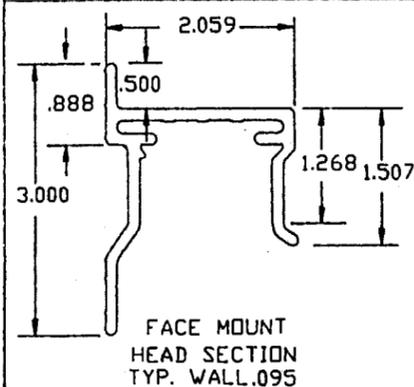
EXETER STORM SHIELD
WYOMING, PA.
800-972-2478
DADE COUNTY PRODUCT
CONTROL APPROVED

LABEL SIZE: 2" X 3/4"

INVISIPERF II -- FULL SCALE
MATERIAL: #14 GA. GALVANEALD STEEL
OPTIONAL: #14 GA. 300 SERIES STAINLESS STEEL



APPROVED AS COMPLYING WITH THE
SOUTH FLORIDA BUILDING CODE
DATE JUNE 18 1998
BY *[Signature]*
PRODUCT CONTROL DIVISION
BUILDING CODE COMPLIANCE OFFICE
ACCEPTANCE No. 98-0130-02



MID-HEIGHT SUPPORT
1 5/8 X 1 X .125 X 2
ALUMINUM ANGLE

MAT'L TYP. OF ALL EXTRUSIONS: ALUMINUM ALLOY 6063-T6

TITLE/CUSTOMER

STORM SHIELD HURRICANE BARRIERS
(FACE MOUNT)

SCALE:

NTS

DATE:

2-21-94

DRAWN BY:

RJS

REVISED

5-30-94

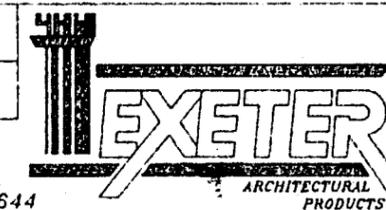
REVISED

1-19-98

REVISED

3-17-98

243 W. 8TH ST.
WYOMING PA 18644



717-693-4220
FAX 693-2575

PREVIOUSLY DWG# SSHB-020
PRODUCT CONTROL CODE:

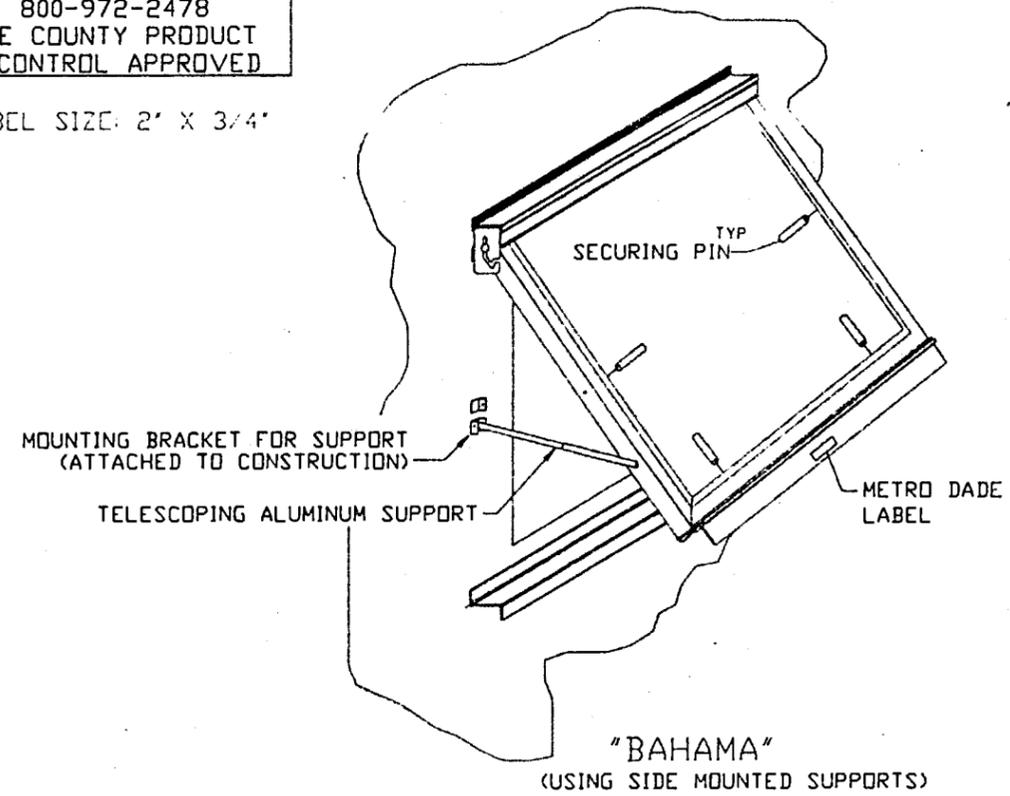
98-0130.02

DRAWING NO.
SSHB-R-98

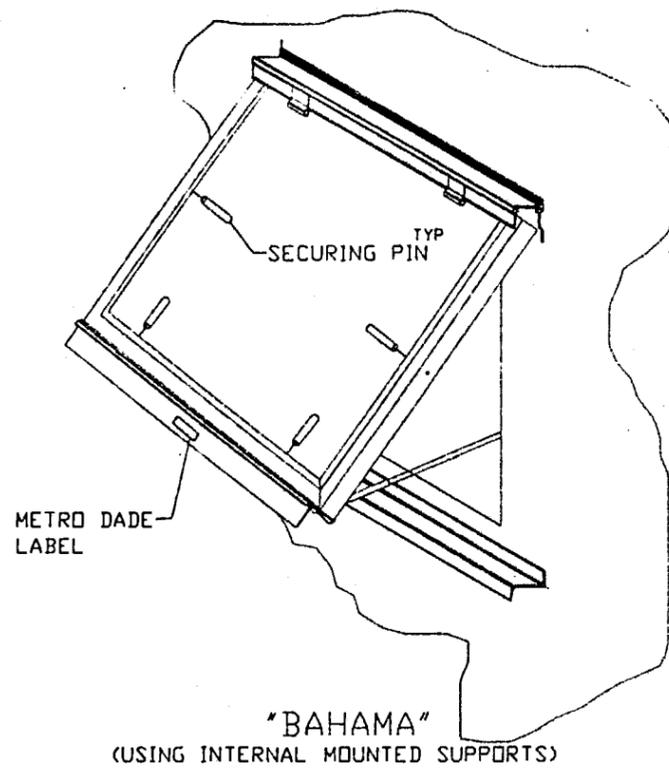
PAGE 4 OF 12

EXETER STORM SHIELD
 WYOMING, PA.
 800-972-2478
 DADE COUNTY PRODUCT
 CONTROL APPROVED

LABEL SIZE: 2' X 3/4'



"BAHAMA"
 (USING SIDE MOUNTED SUPPORTS)



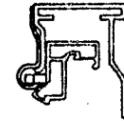
"BAHAMA"
 (USING INTERNAL MOUNTED SUPPORTS)

PRODUCT RENEWED
 ACCEPTANCE No. 00-0512.05
 EXPIRATION DATE July 10, 2009
 By *Helmut A. Mader*
 PRODUCT CONTROL DIVISION
 BUILDING CODE COMPLIANCE OFFICE

Thomas H. Maxwell Jr.
 3-19-98

PIVOT OPTIONS


 ENDCAP W/ PIVOT PIN


 PIVOT LOOP WITH
 EXTRUDED ALUMINUM COVER


 MULTI-LEAF HINGE

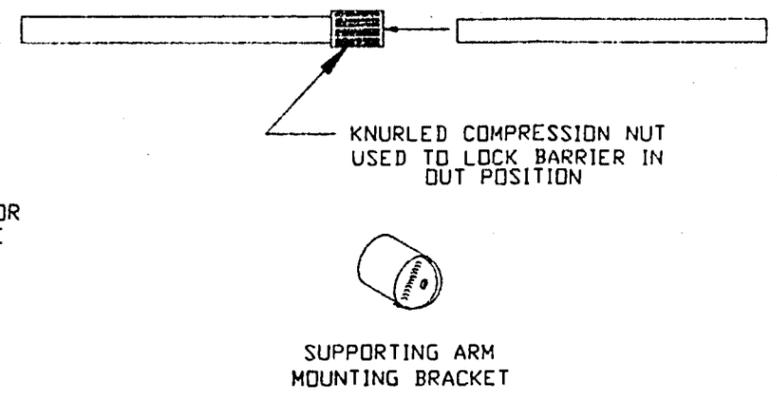
(FOR NON-HURRICANE LOADING ONLY; DOES NOT EFFECT OPERATION AS HURRICANE BARRIER)

CONSULTING ENGINEER
 THOMAS H. MAXWELL JR., P.E.
 121 N.W. 39 AVE.
 MIAMI, FLORIDA 33126
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Board of Professional Engineers
 Exam: Mechanical-Structural: 1965
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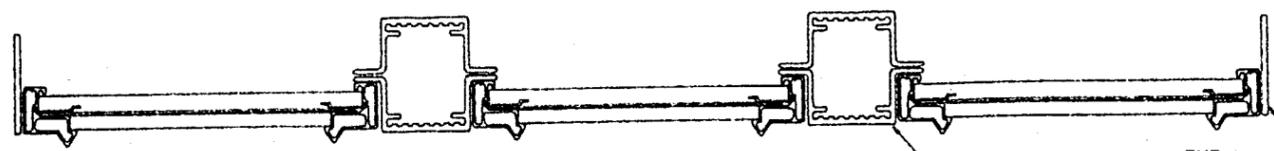
APPROVED AS COMPLYING WITH THE
 SOUTH FLORIDA BUILDING CODE
 DATE JUNE 18 1998
 BY *[Signature]*
 PRODUCT CONTROL DIVISION
 BUILDING CODE COMPLIANCE OFFICE
 ACCEPTANCE NO. 98-0130.02

- NOTES:**
- FOR FACE MOUNT DETAILS SEE PAGES 2, 4, 7, 9 OF 12
 - FOR INSET MOUNTING DETAILS SEE PAGES 3, 5, 8, 10 OF 12
 - THE "BAHAMA" UNIT CAN BE FITTED WITH A CAM LOCK TO MAKE THE UNIT AN EGRESSABLE SECURITY BARRIER WHEN NOT PINNED WITH STAINLESS PINS FOR HURRICANE PROTECTION
 - SUPPORTS ARE ADJUSTABLE TO ACHIEVE DESIRED OPEN ANGLE AT TIME OF INSTALLATION
 - THE "BAHAMA" AND "READY MOUNT" HURRICANE BARRIERS UTILIZE THE SAME HEAD, SILL, BARRIER, BARRIER BRACKET, AND MID-HEIGHT SUPPORT FOR STRUCTURAL ATTACHMENT.
 - THE SUPPORT ARMS AND METHOD OF PIVOTING ON THE "BAHAMA" UNITS ARE FOR NON-HURRICANE LOADING ONLY.
 - A WARNING NOTE SHALL BE PERMANENTLY STAMPED WITH INSTRUCTIONS STATING THAT DURING STORM CONDITIONS, AND/OR WIND SPEEDS GREATER THAN 40 M.P.H., SUPPORT ARMS MUST BE DISCONNECTED, THE PANEL FOLDED AND FASTENED WITH SECURING PINS TO SILL BRACKET (BOTTOM) AND MID-HEIGHT SUPPORTS AT THE SIDES.



TITLE/CUSTOMER
 TYPICAL DETAILS FOR STORM SHIELD
 "BAHAMA MOUNT"
 (FOR NON-HURRICANE LOADING ONLY!!!)

SCALE: NTS		DRAWN BY: RJS
DATE: 6-5-95		REVISED 3-26-96 3-17-98
243 W. 8TH ST. WYOMING PA 18644		717-693-4220 FAX 693-2575
PRODUCT CONTROL CODE: #98-0130.02		DRAWING NO. SSH-B-R-98 PAGE 6 OF 12



EXETER STORM SHIELD
 WYOMING, PA.
 800-972-2478
 DADE COUNTY PRODUCT
 CONTROL APPROVED

- NOTE:**
- METAL FINISHES: TGIC POLYESTER POWDER COAT ON GALVANEAL PERFORATED METAL AND PPG POLYCHRON OR KYMAR ON 6063 T6 ALUMINUM
 - 1/4" X 2" SECURING PIN (MIN); S/S, OR ZINC COATED REQ'D; SECURING PINS AT SILL MUST BE LOCATED AT POSITION 'A' OR 'B' ONLY
 - FASTENERS: 1/4"Ø TAPCONS MASONRY ANCHORS BY 2 1/4" LENGTH MINIMUM OR EQUAL. 2 1/2" FROM EACH END; EQUALLY SPACED THEREAFTER. (SEE PAGE 12 OF 12 FOR FASTENER SCHEDULE)
 - FOR LABORATORY TESTING OF A 4' X 6" TRIPLE, FASTENERS WERE PLACED 2 1/2" FROM EACH END, APPROXIMATELY 14" ON CENTER (FIVE FASTENERS PER HEAD; FIVE FASTENERS PER SILL)
 - MID-HEIGHT SUPPORT BRACKETS REQUIRE TWO (2) FASTENERS EACH.
 - FOR OPTIONAL FULL HEIGHT MID-HEIGHT SUPPORT FASTENERS MUST BE PLACED, ONE .75" ABOVE CENTER OF LENGTH AND ONE .75" BELOW CENTERLINE OF LENGTH, 12" ON CENTER THEREAFTER.
 - FOR FASTENER DETAILS ON VERTICAL STIFFENER SEE PAGE 11 OF 12

Board of Professional Engineers Exam: Mechanical-Structural: 1965
 State of Florida P.E. Registration No. 10150
 U.S. Army Corps of Engineers: Civil-Structural Engineer
 Florida Power & Light Company: Electrical Engineer

CONSULTING ENGINEER
 THOMAS H. MAXWELL JR., P.E.
 121 N.W. 39 AVE.
 MIAMI, FLORIDA 33126
 (305) 541-7549

Thomas H. Maxwell Jr.
 19-98

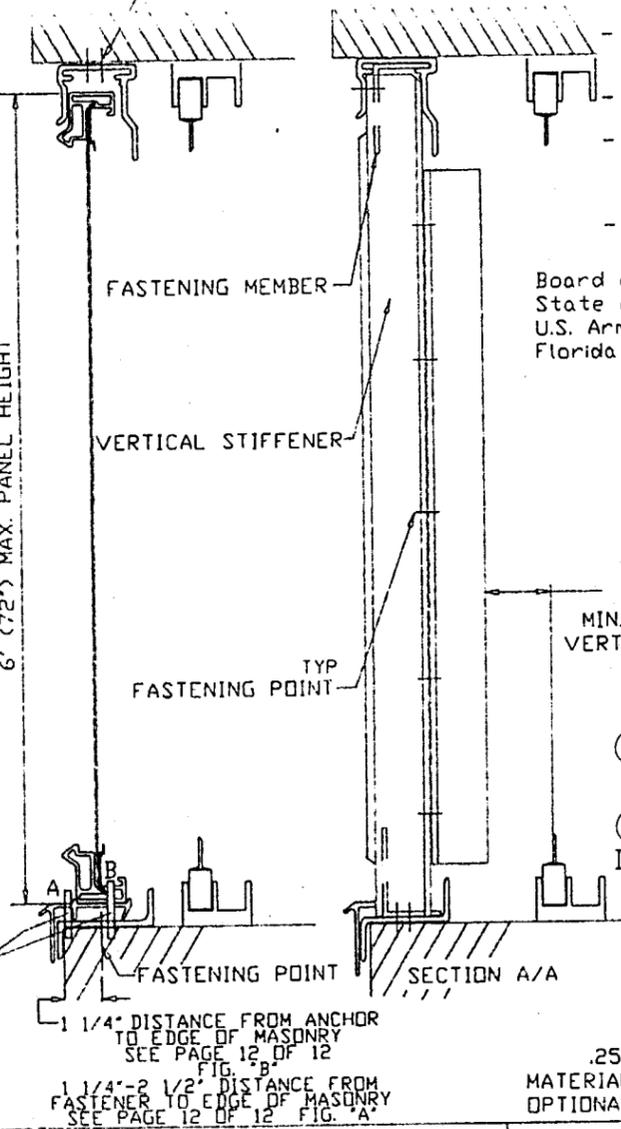
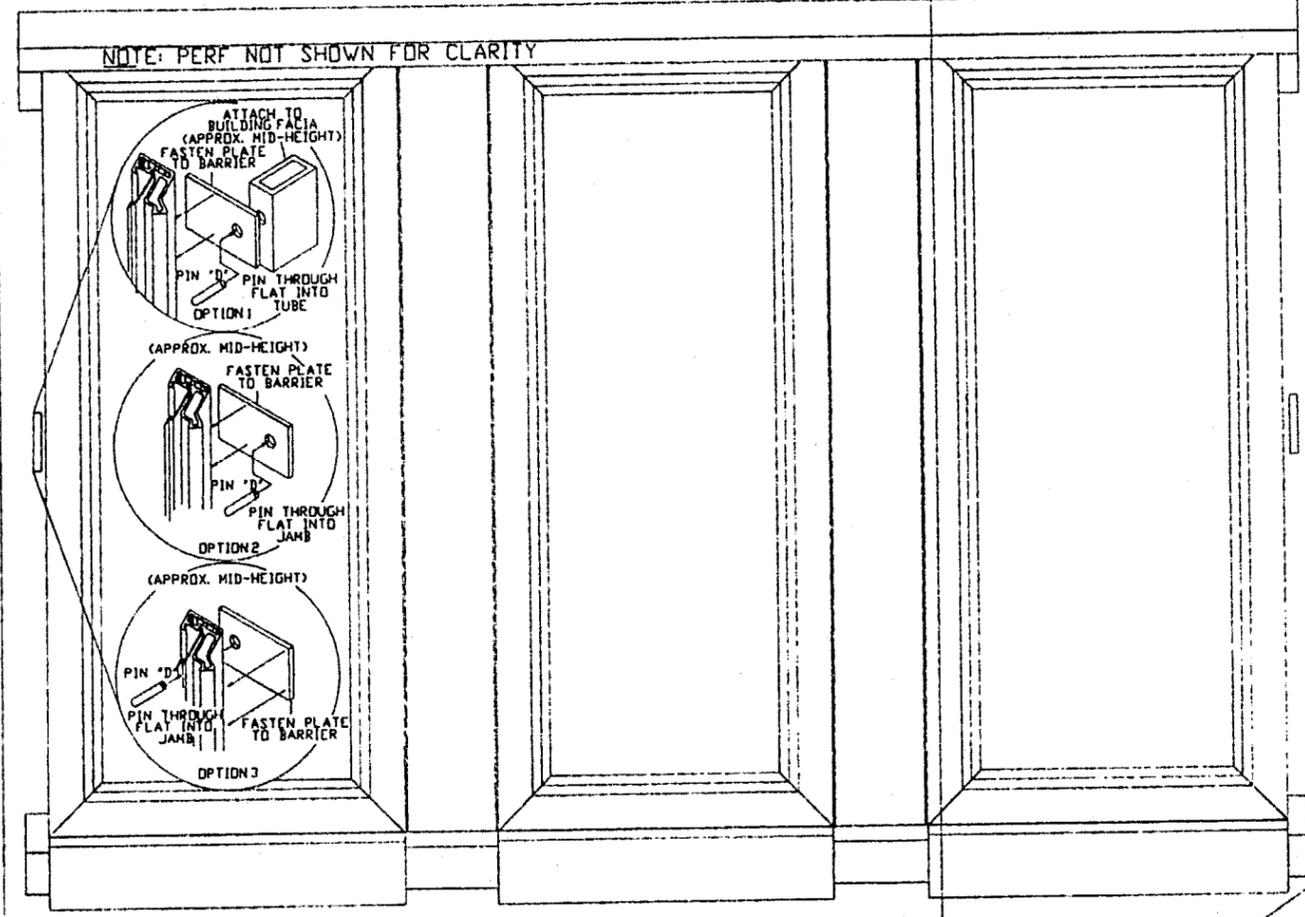
PRODUCT RENEWED

ACCEPTANCE No. 00-0512.05

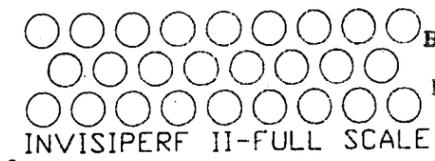
EXPIRATION DATE July 10, 2003

By *Heber A. Miller*
 PRODUCT CONTROL DIVISION
 BUILDING CODE COMPLIANCE OFFICE

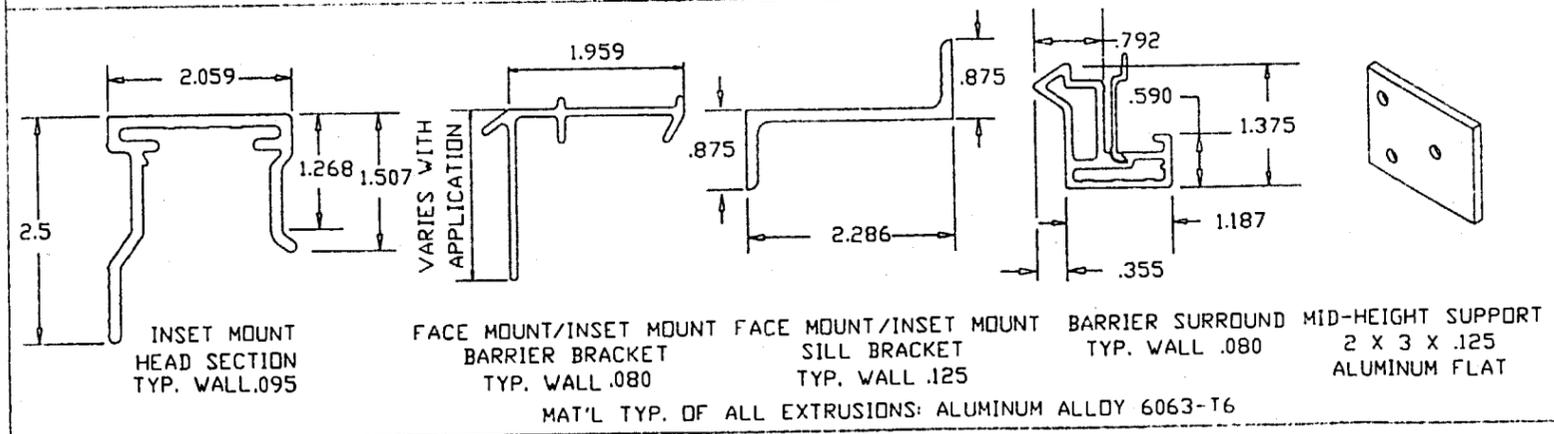
APPROVED AS COMPLYING WITH THE
 SOUTH FLORIDA BUILDING CODE
 DATE JUNE 18 1998
 BY *[Signature]*
 PRODUCT CONTROL DIVISION
 BUILDING CODE COMPLIANCE OFFICE
 ACCEPTANCE NO. 98-0130.02



1 3/4"
 MIN. SEPARATION OF
 VERTICAL STIFFENER
 TO GLASS



250 HOLE DIA. -- .183
 MATERIAL: #14 GA. GALVANNEALED STEEL
 OPTIONAL: #14 GA. 300 SERIES STAINLESS



TITLE/CUSTOMER
 TYPICAL INSET MOUNT DETAILS FOR STORM SHIELD
 "BAHAMA/READY MOUNT UNITS"
 4" X 6" TRIPLE

SCALE: NTS
 DATE: 6-5-95

EXETER ARCHITECTURAL PRODUCTS

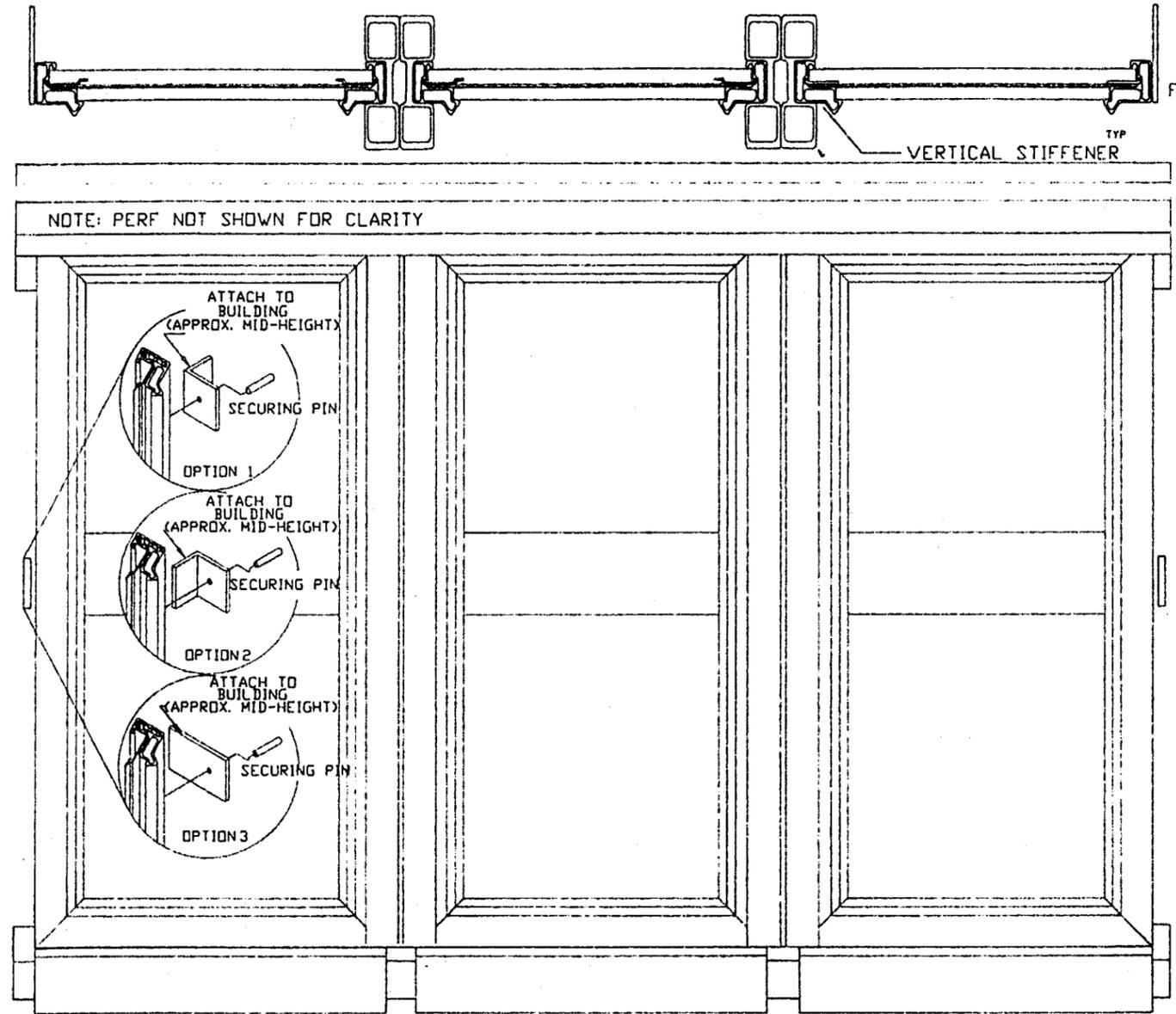
243 W. 8TH ST.
 WYOMING PA 18644

717-693-4220
 FAX 693-2575

DRAWN BY: RJS
 REVISED: 3-19-96, 3-17-98

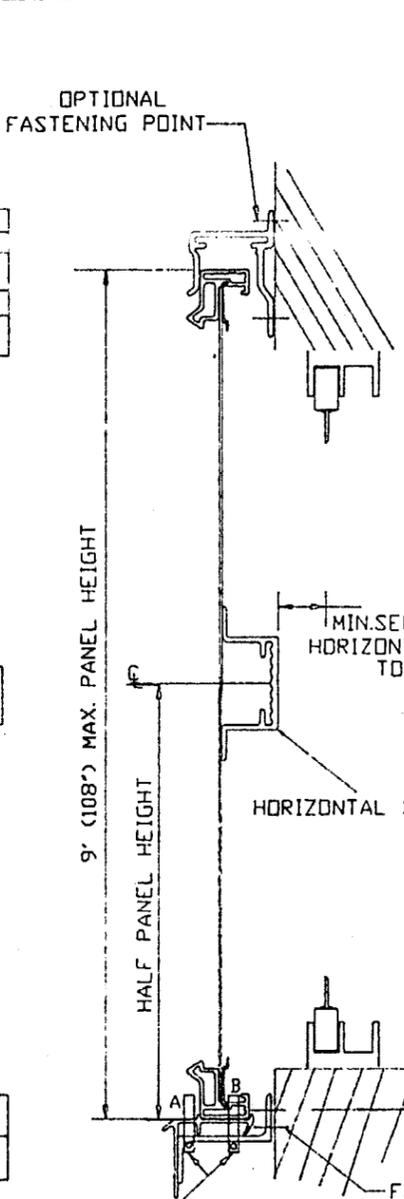
PRODUCT CONTROL CODE: 98-0130.02

DRAWING NO. SSHB-R-98
 PAGE 8 OF 12



EXETER STORM SHIELD
 WYOMING, PA.
 800-972-2478
 DADE COUNTY PRODUCT
 CONTROL APPROVED

LABEL SIZE: 2" X 3/4"

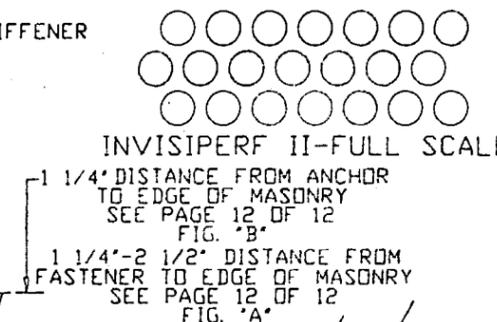


NOTE:

- METAL FINISHES: TGIC POLYESTER POWDER COAT ON GALVANEAL PERFORATED METAL AND PPG POLYCHRON OR KYNAR ON 6063 T6 ALUMINUM
- 1/4" X 2" SECURING PIN (MIN); S/S, OR ZINC COATED REQ'D; SECURING PINS AT SILL MUST BE LOCATED AT POSITION 'A' OR 'B' ONLY
- FASTENERS: 1/4"Ø TAPCONS MASONRY ANCHORS BY 2 1/4" LENGTH MINIMUM OR EQUAL. 2 1/2" FROM EACH END; EQUALLY SPACED THEREAFTER. (SEE PAGE 12 OF 12 FOR FASTENER SCHEDULE)
- FOR LABORATORY TESTING OF A 4' X 9' TRIPLE, FASTENERS WERE PLACED 2 1/2" FROM EACH END, APPROXIMATELY 9" ON CENTER (SIXTEEN FASTENERS PER HEAD; SIXTEEN FASTENERS PER SILL)
- MID-HEIGHT SUPPORT BRACKETS REQUIRE TWO (2) FASTENERS EACH.
- FOR OPTIONAL FULL HEIGHT MID-HEIGHT SUPPORT FASTENERS MUST BE PLACED, ONE .75' ABOVE CENTER OF LENGTH AND ONE .75' BELOW CENTERLINE OF LENGTH, 12" ON CENTER THEREAFTER.
- FOR FASTENER DETAILS ON VERTICAL/HORIZONTAL STIFFENERS SEE PAGE 11 OF 12

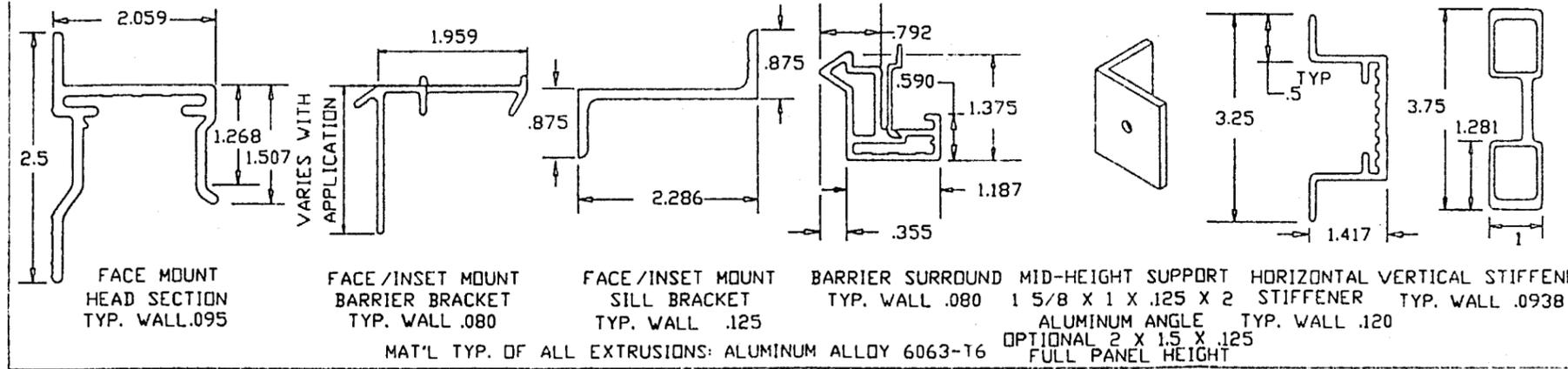
Board of Professional Engineers Exam: Mechanical-Structural: 1965
 State of Florida P.E. Registration No. 10150
 U.S. Army Corps of Engineers: Civil-Structural Engineer
 Florida Power & Light Company: Electrical Engineer

CONSULTING ENGINEER
 THOMAS H. MAXWELL JR., P.E.
 121 N.W. 39 AVE.
 MIAMI, FLORIDA 33126
 (305) 541-7549



MATERIAL: #14 GA. GALVANEAL STEEL
 OPTIONAL: #14 GA. 300 SERIES STAINLESS STEEL

Thomas H. Maxwell Jr.
 3-19-98
PRODUCT RENEWED
 ACCEPTANCE No. 00-0512-05
 EXPIRATION DATE July 10, 2003
 By *Hebing A. Mohr*
 PRODUCT CONTROL DIVISION
 BUILDING CODE COMPLIANCE OFFICE
 APPROVED AS COMPLYING WITH THE
 SOUTH FLORIDA BUILDING CODE
 DATE June 18, 1998
 BY *[Signature]*
 PRODUCT CONTROL DIVISION
 BUILDING CODE COMPLIANCE OFFICE
 ACCEPTANCE No. 98-0130.02



TITLE/CUSTOMER
 TYPICAL FACE MOUNT DETAILS FOR STORM SHIELD
 "BAHAMA/READY MOUNT UNITS"
 4' X 9' TRIPLE

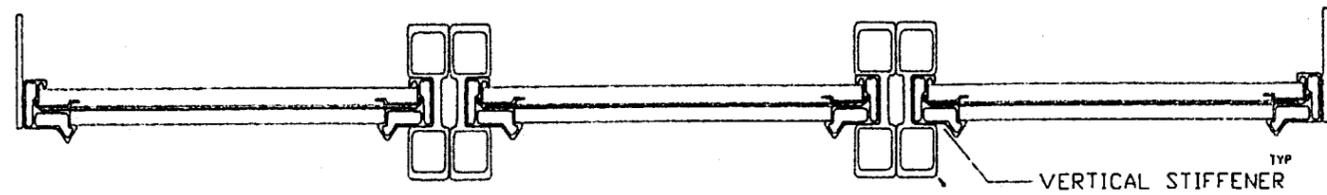
SCALE: NTS
 DATE: 6-5-95

DRAWN BY: RJS
 REVISED: 3-19-96, 3-17-98

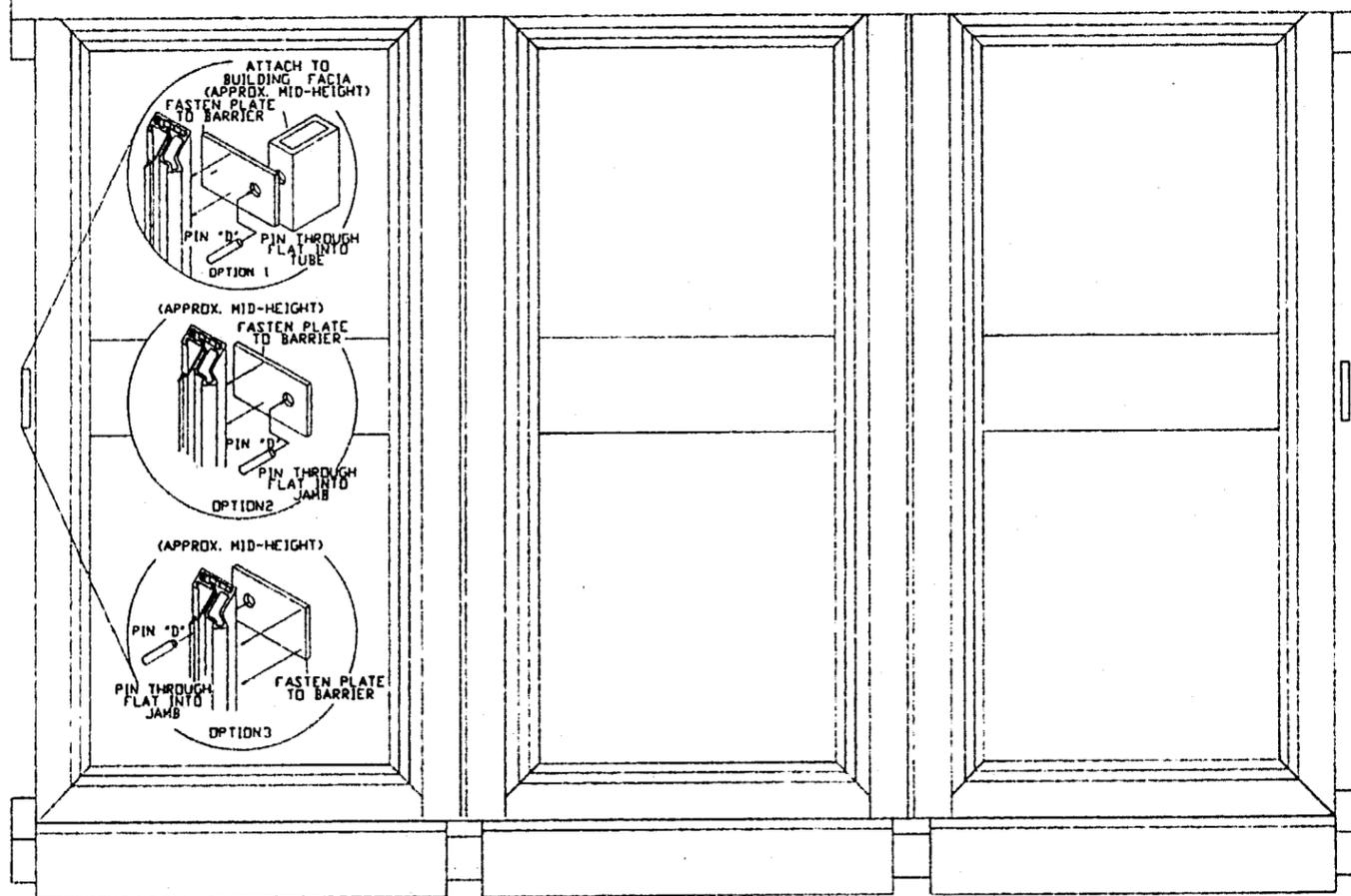
243 WEST EIGHTH ST.
 WYOMING, PA 18644
 PRODUCT CONTROL CODE: 98-0130.02

717-693-4220
 FAX 693-2575

DRAWING NO. SSHB-R-98
 PAGE 9 OF 12



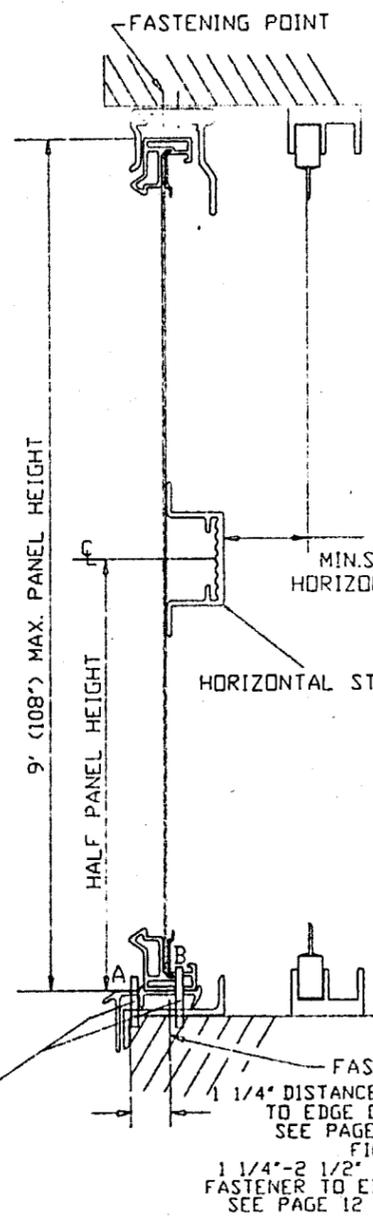
NOTE: PERF NOT SHOWN FOR CLARITY



EXETER STORM SHIELD
WYOMING, PA.
800-972-2478
DADE COUNTY PRODUCT
CONTROL APPROVED

LABEL SIZE: 2" X 3/4"

SECURING PIN
(OPTION 'A' & 'B')

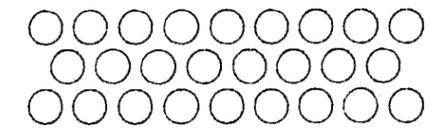


NOTE:

- METAL FINISHES: TGIC POLYESTER POWDER COAT ON GALVANEALD PERFORATED METAL AND PPG POLYCHRON OR KYNAR ON 6063 T6 ALUMINUM
- 1/4" X 2" SECURING PIN (MIN); S/S, OR ZINC COATED REQ'D; SECURING PINS AT SILL MUST BE LOCATED AT POSITION 'A' OR 'B' ONLY
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- FOR FASTENER DETAILS ON VERTICAL/HORIZONTAL STIFFENERS SEE PAGE 11 OF 12

CONSULTING ENGINEER
THOMAS H. MAXWELL JR., P.E.
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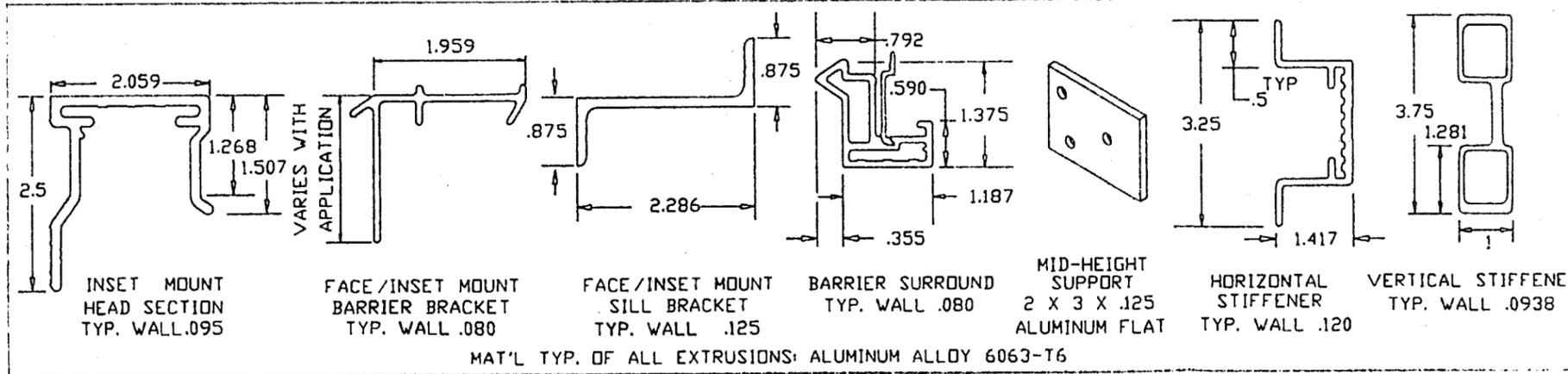
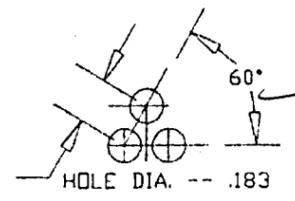
Thomas H. Maxwell Jr.
3-19-98



PRODUCT RENEWED
ACCEPTANCE No. 00-0512.05
EXPIRATION DATE July 10, 2003

INVISIPERF II -- FULL SCALE
MATERIAL: #14 GA. GALVANNEALED STEEL
OPTIONAL: #14 GA. 300 SERIES STAINLESS

By *Heung A. Mak*
PRODUCT CONTROL DIVISION
BUILDING CODE COMPLIANCE OFFICE
APPROVED AS COMPLYING WITH THE
SOUTH FLORIDA BUILDING CODE
DATE JUNE 18 1998
BY *[Signature]*
PRODUCT CONTROL DIVISION
BUILDING CODE COMPLIANCE OFFICE
ACCEPTANCE NO. 98-0130.02



TITLE/CUSTOMER
TYPICAL INSET MOUNT DETAILS FOR STORM SHIELD
"BAHAMA/READY MOUNT UNITS"
4' X 9' TRIPLE

SCALE: NTS		DRAWN BY: RJS
DATE: 6-5-95		REVISED: 3-19-96, 3-17-98
243 W. 8TH ST. WYOMING PA 18644		717-693-4220 FAX 693-2575
PRODUCT CONTROL CODE: 98-0130.02	DRAWING NO. SSHB-R-98 PAGE 10 OF 12	

MAT'L TYP. OF ALL EXTRUSIONS: ALUMINUM ALLOY 6063-T6

PRODUCT RENEWED

ACCEPTANCE No. 00-0512.05

EXPIRATION DATE July 10, 2003

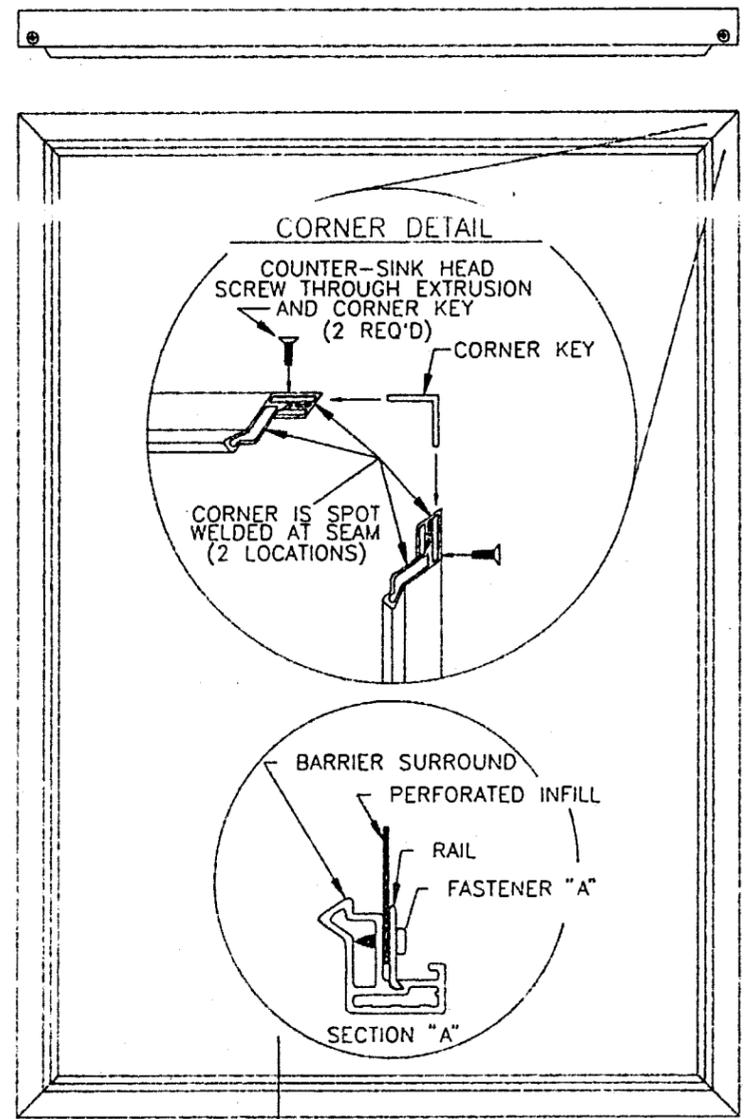
By *Hebing H. Ma*

PRODUCT CONTROL DIVISION
BUILDING CODE COMPLIANCE OFFICE

CONSULTING ENGINEER
THOMAS H. MAXWELL JR., P.E.
121 N.W. 39 AVE.
MIAMI, FLORIDA 33126
(305) 541-7549
Board of Professional Engineers
Exam: Mechanical-Structural: 1965
State of Florida P.E. Registration
No. 10150
U.S. Army Corps of Engineers:
Civil-Structural Engineer
Florid Power & Light Company:
Electrical Engineer

Thomas H. Maxwell Jr.
3-19-98

APPROVED AS COMPLYING WITH THE
SOUTH FLORIDA BUILDING CODE
DATE JUNE 18 1998
BY *[Signature]*
PRODUCT CONTROL DIVISION
BUILDING CODE COMPLIANCE OFFICE
ACCEPTANCE No. 98-0130.02



CORNER DETAIL

COUNTER-SINK HEAD
SCREW THROUGH EXTRUSION
AND CORNER KEY
(2 REQ'D)

CORNER KEY

CORNER IS SPOT
WELDED AT SEAM
(2 LOCATIONS)

BARRIER SURROUND
PERFORATED INFILL

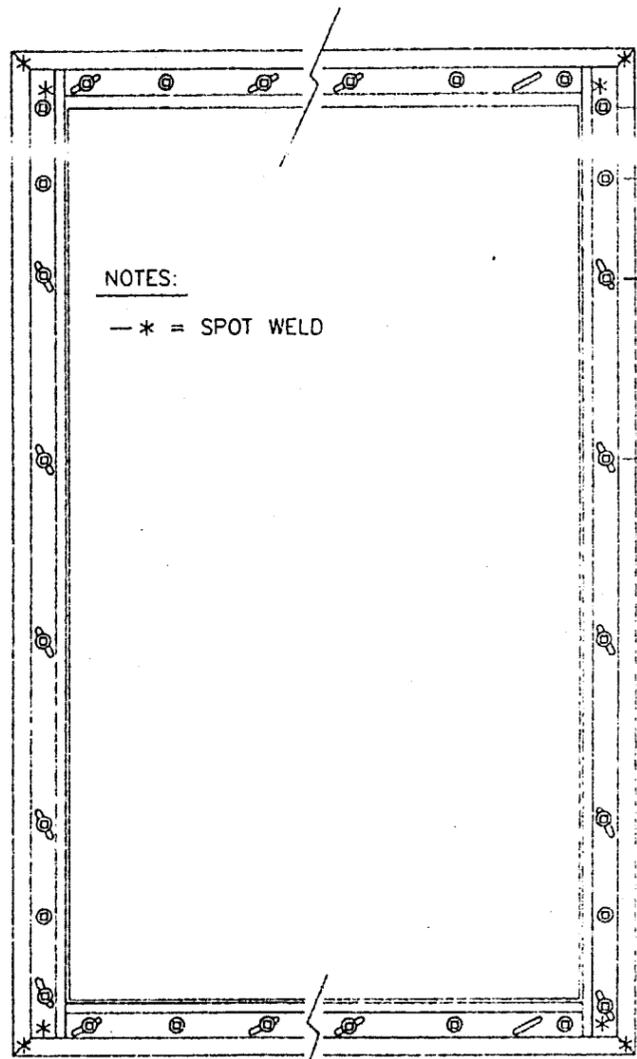
RAIL

FASTENER "A"

SECTION "A"

"A"

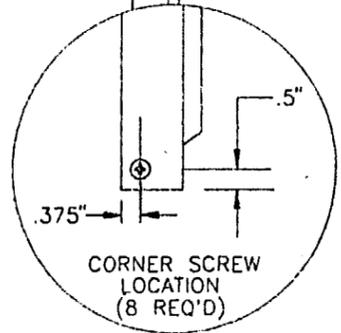
FRONT



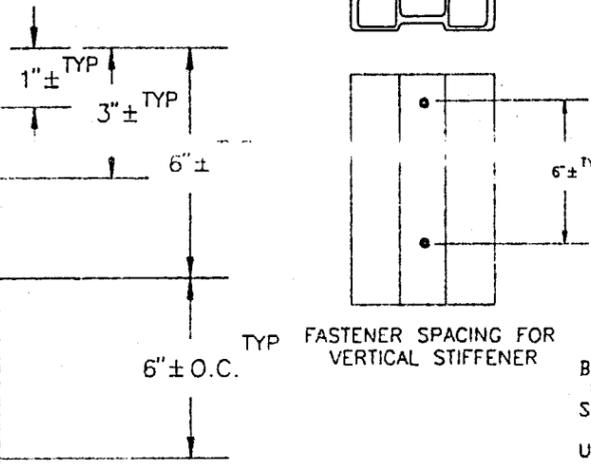
NOTES:

- * = SPOT WELD

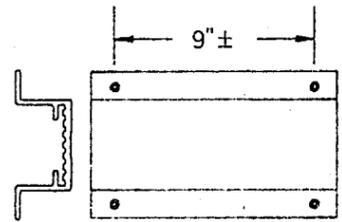
REAR



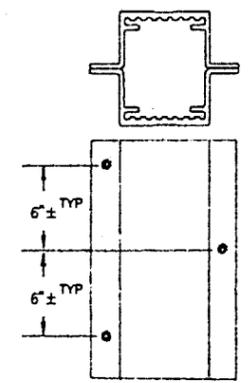
CORNER SCREW
LOCATION
(8 REQ'D)



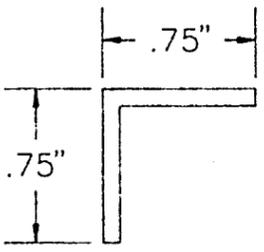
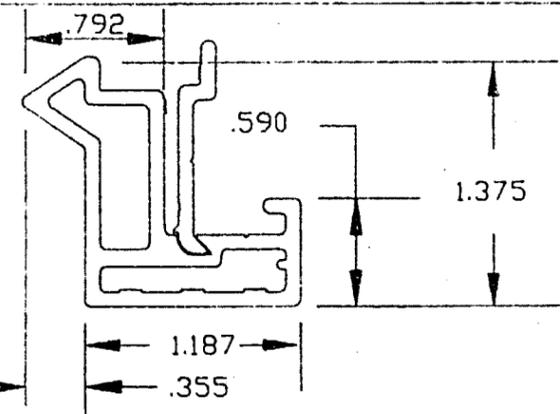
TYP FASTENER SPACING FOR
VERTICAL STIFFENER



FASTENER SPACING FOR
HORIZONTAL STIFFENER



FASTENER SPACING FOR
VERTICAL STIFFENER



CORNER KEY

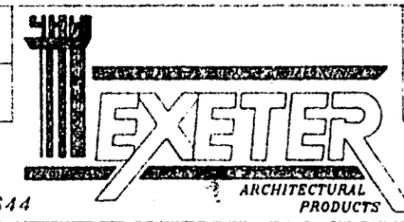


#10-24X1/2"
COUNTERSINK
"B"



#10X5/8"
"A"

TITLE/CUSTOMER		HURRICANE BARRIER ASSEMBLY	
SCALE:	NTS	DRAWN BY:	R.J.S
DATE:	11-1-95	REVISED	3-19-96 3-17-98
243 W. 8TH ST. WYOMING PA 18644		717-693-4220 FAX 693-2575	
PRODUCT CONTROL CODE		DRAWING NO. SSH-B-R-98	
PAGE 11 OF 12			



		FASTENER QUANTITY PER HEAD & PER SILL (1 1/4" - 2 1/2" EDGE DISTANCE)	
		0-6' UNIT HEIGHT	6'-9' UNIT HEIGHT
FASTENER SPACING		APPROXIMATELY 12" ON CENTER *	APPROXIMATELY 9" ON CENTER *
UNIT WIDTH	0-1'	3	3
	1'-2'	3	4
	2'-3'	4	5
	3'-4'	5	6
	4'-5'	6	8
	5'-6'	7	9
	6'-7'	8	10
	7'-8'	9	12
	8'-9'	10	13
	9'-10'	11	14
	10'-11'	12	16
	11'-12'	13	17

TABLE "A"

		FASTENER QUANTITY PER HEAD & PER SILL (EDGE DISTANCE < 1 1/4")								
		FASTENER SPACING APPROXIMATELY 3' MIN. ON CENTER *								
		UNIT HEIGHT								
		1'	2'	3'	4'	5'	6'	7'	8'	9'
UNIT WIDTH	1'	3	3	3	3	3	3	3	3	3
	2'	3	3	3	3	3	4	5	6	7
	3'	3	3	3	4	6	7	8	10	11
	4'	3	3	4	6	8	10	12	14	16
	5'	3	3	6	8	11	13	15	18	20
	6'	3	4	7	10	13	16	19	22	25
	7'	3	5	8	12	15	19	22	26	29
	8'	3	6	10	14	18	22	26	29	32
	9'	3	7	11	16	20	25	29	33	37
	10'	3	8	13	18	23	27	32	37	37
	11'	4	9	14	20	25	30	36	37	37
	12'	4	10	16	22	27	33	37	37	37

TABLE "B"

* NOTE: FASTENER SPACING MAY VARY DEPENDING ON QUANTITY OF FASTENERS REQ'D

- 1/4" X 2" SECURING PIN (MIN); S/S, OR ZINC COATED REQ'D; ONE SECURING PIN (MIN.) REQUIRED PER JAMB/VERTICAL STIFFENER; TWO SECURING PINS (MIN.) REQUIRED PER SILL
- FASTENERS: 1/4" X 2 1/2" TAPCONS MASONRY ANCHORS
- MID-HEIGHT SUPPORT BRACKETS REQUIRE TWO (2) FASTENERS EACH.
- FOR OPTIONAL FULL HEIGHT MID-HEIGHT SUPPORT FASTENERS MUST BE PLACED, ONE .75" ABOVE CENTER OF LENGTH AND ONE .75" BELOW CENTERLINE OF LENGTH, 12" ON CENTER THEREAFTER
- FOR FASTENER DISTANCE FROM EDGE OF MASONRY 1 5/16" TO 2 1/2" OR GREATER REFER TO TABLE "A"
- FOR FASTENER DISTANCE FROM EDGE OF MASONRY OF 1 1/4" OR LESS REFER TO TABLE "B"

J. Maxwell
3-19-98

PRODUCT RENEWED

ACCEPTANCE NO. 00-0512-05

EXPIRATION DATE July 10, 2003

By *Helmut A. Mohr*

PRODUCT CONTROL DIVISION
BUILDING CODE COMPLIANCE OFFICE

CONSULTING ENGINEER
THOMAS H. MAXWELL JR., P.E.
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MIAMI, FLORIDA 33126
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Board of Professional Engineers
Exam: Mechanical-Structural: 1965
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Electrical Engineer

APPROVED AS COMPLYING WITH THE
SOUTH FLORIDA BUILDING CODE
DATE JUNE 18 1998

BY *[Signature]*
PRODUCT CONTROL DIVISION
BUILDING CODE COMPLIANCE OFFICE
ACCEPTANCE NO. 98-0130.02

TITLE/CUSTOMER		FASTENER SCHEDULE	
SCALE:			DRAWN BY: RJS
DATE:	11-15-95		REVISED 3-25-96 3-17-98
243 W. 8TH ST. WYOMING PA 18644		717-693-1220 FAX 693-2575	DRAWING NO. SSH-B-R-98
PRODUCT CONTROL CODE:		98-0130.02	SHEET 12 OF 12