



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

www.buildingcodeonline.com

NOTICE OF ACCEPTANCE (NOA)

Exeter Architectural Products
242 West Eight Street
Wyoming PA, 18644

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 Florida Building Code including the High Velocity Hurricane Zone.

DESCRIPTION: Storm Shield Split Sash

APPROVAL DOCUMENT: Drawing No. SSHB-149/152, titled " Storm Shield Split Sash ", sheets 1 through 4 of 4, dated 04/16/96, last revision dated 04/13/98, prepared by Exeter Architectural Products signed & sealed by Thomas H. Maxwell P.E., bearing the Miami-Dade County Product Control Renewal 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 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" or MDCPCA, 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 **renews NOA # 05-1213.05** and consists of this page 1, evidence page E-1 as well as the approval documents mentioned above. The submitted documentation was reviewed by *Candido F. Font PE.*

Candido F. Font
 06/15/06



NOA No 05-1213.05
Expiration Date: 07/09/2007
Approval Date: 06/01/2006

Exeter Architectural Products

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

A. DRAWINGS

1. Drawing prepared by Exeter Architectural Products, titled "Storm Shield Split Sash", No. SSHB-149, 150, 151 & 152, dated 04/16/96 with latest revision on 04/13/98, signed and sealed by T. H. Maxwell Jr., P.E.

B. TESTS

1. Test report on Large Missile Impact Test, Cyclic Load Test and Uniform Static Air Pressure Test of "Storm Shield Split Screen Hurricane Barrier", prepared by Hurricane Test Laboratory, Inc., Report No. 0015-0201-96, dated 02/09/96 signed and sealed by T. S. Marshall, P.E.

C. CALCULATIONS

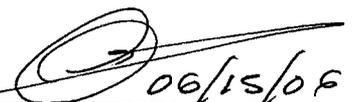
1. Anchor calculations prepared by T. H. Maxwell Jr., PE. pages 1 to 6 of 6, dated 02/08/98, signed and sealed by T. H. Maxwell Jr, P.E.

D. MATERIAL CERTIFICATIONS

1. Tensile Test Report # 6DM-1087 from Q.C. Metallurgical, Inc., dated 05/01/96 for 5 samples, tested per ASTM E8-93, signed and sealed by F. Grate, PE.
2. Material Certification ISD # 802397A-01, 02, 03 & 04 prepared by Werner Co., dated 06/27/95 and signed by B. S. Tamper.
3. Material Certification issued by Diamond Manufacturing Co., on 04/23/96 and signed by S. Keefe.

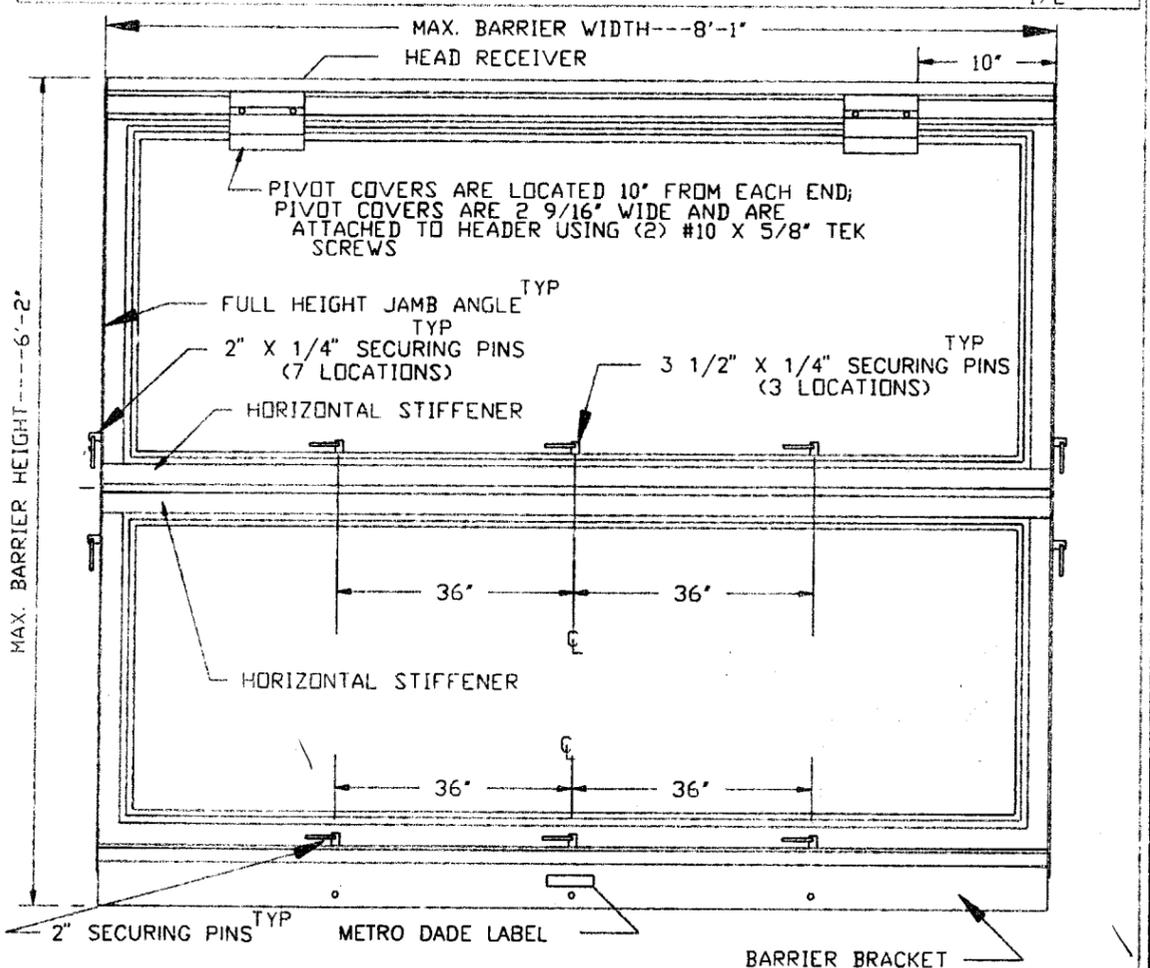
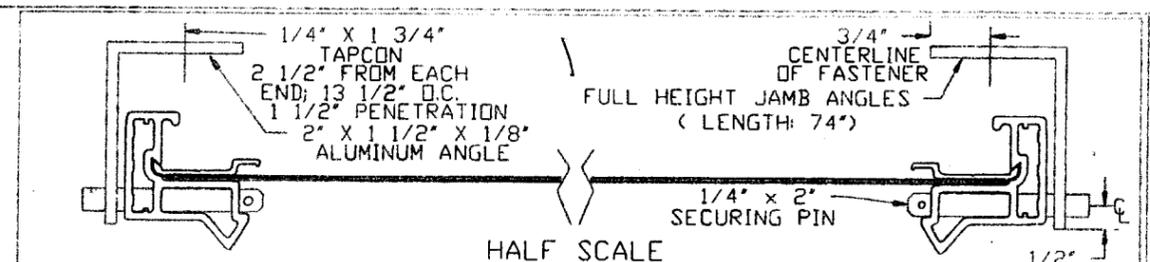
E. STATEMENTS

1. Letter of Non-financial Interest prepared by T. H. Maxwell, PE. dated 04/23/96 and signed by T. H. Maxwell, Jr. PE.
2. Code compliance letter issued by T. H. Maxwell Jr. PE. issued on 04/23/96, signed and sealed by T. H. Maxwell Jr. PE.
3. No change letter issued by Exeter Architectural Products on 05/09/2001 and signed by H. E. Flack II.



06/15/06

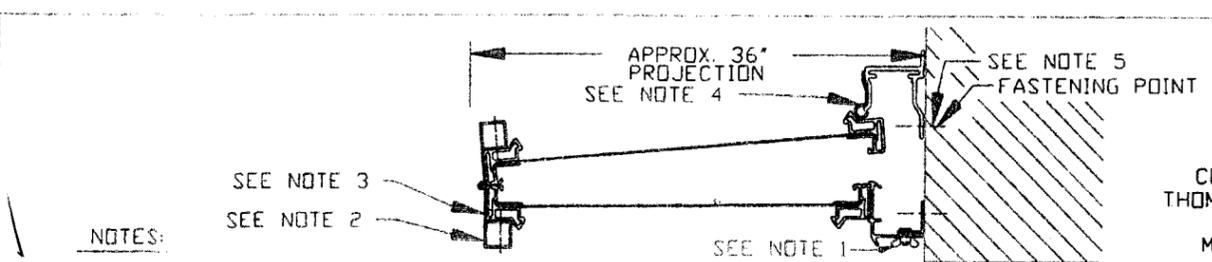
Candido F. Font, P. E.
Product Control Examiner
NOA No 05-1213.05
Expiration Date: 07/09/2007
Approval Date: 06/01/2006



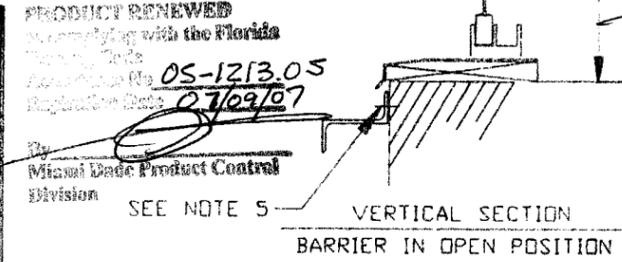
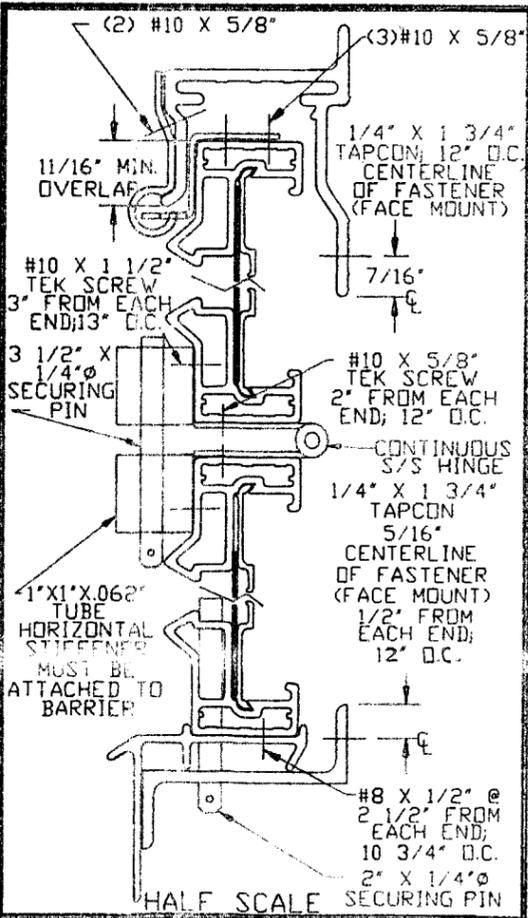
"SPLIT SASH HURRICANE BARRIER"

FOR UNIT MOUNTING DETAILS SEE DWG. # SSHB-150
FOR BARRIER CONSTRUCTION DETAILS SEE DWG. # SSHB-151
TYPICAL DETAILS FOR STORM SHIELD
"SPLIT SASH MOUNT" UNITS

- THE "SPLIT SASH MOUNT" HURRICANE BARRIERS UTILIZE A HEAD SECTION, Z-BRACKET, BARRIER BRACKET, AND FULL-HEIGHT JAMB ANGLE FOR STRUCTURAL ATTACHMENT.
- THE STATIONARY SUPPORT ANGLES AND METHOD OF PIVOTING ON THE "SPLIT SASH MOUNT" 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
INWARD ACTING DESIGN PRESSURE (Pd)_{IN} = 75 psf /
OUTWARD ACTING DESIGN PRESSURE (Pd)_{OUT} = 57 psf /



- NOTES:
- (2) 1 1/4" X 7/8" X 1/8" X 6" STATIONARY SUPPORT ANGLES REQUIRED FOR SECURING BARRIER IN THE FULL OPEN POSITION. ANGLES HAVE (1) 5/16" X 24 STUD CENTERED IN ONE LEG USED TO SUPPORT BARRIER IN THE OPEN POSITION USING A 5/16" WINGNUT. ANGLES ARE ATTACHED TO CONSTRUCTION USING (2) 1/4" X 1 3/4" TAPCON FASTENERS EQUALLY SPACED IN 1 1/4" LEG (FOR NON-HURRICANE LOADING ONLY!!)
 - 1" X 1" X 1/16" HORIZONTAL STIFFENERS ARE ATTACHED TO BARRIER ONLY USING #10 X 1 1/2" SELF TAPPING SCREWS 3" FROM EACH END, APPROXIMATELY 13" ON CENTER THEREAFTER FOR REINFORCEMENT
 - STAINLESS STEEL CONTINUOUS HINGE ALLOWS BARRIERS TO PIVOT IN MIDDLE. HINGE IS FASTENED TO BARRIER USING #10 X 5/8" SELF TAPPING SCREWS, 2" FROM EACH END, 12" ON CENTER. HINGE RUNS FULL WIDTH OF BARRIER
 - PIVOT COVER IS 6063-T6 ALUMINUM MOUNTED TO HEAD SECTION USING (2) #10 X 5/8" SELF-TAPPING SCREWS. PIVOT IS APPROXIMATELY 2 1/2" WIDE AND ALLOWS UPPER BARRIER TO PIVOT
 - FASTENERS USED TO ATTACH HEAD SECTION AND Z-BRACKET ARE 1/4" X 1 3/4" TAPCON MASONRY ANCHORS SPACED APPROXIMATELY 12" ON CENTER
 - A WARNING NOTE SHALL BE PERMANENTLY STAMPED WITH INSTRUCTIONS STATING THAT DURING STORM CONDITIONS, AND/OR WIND SPEEDS GREATER THAN 40 M.P.H., PANEL MUST BE LOWERED INTO STORM POSITION AND SECURED AT SILL, JAMBS, AND MID-SPAN WITH STAINLESS STEEL SECURING PINS TO OFFER STORM PROTECTION
 - SEE DWG # SSHB-150 FOR NOMINAL DIMENSIONS OF EXTRUSIONS AND MATERIAL SPECIFICATIONS



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

TITLE/CUSTOMER		TYPICAL DETAILS FOR STORM SHIELD "SPLIT SASH MOUNT" UNITS	
SCALE:		DRAWN BY:	D. J. C.
DATE:	4-16-96	REVISED	8-29-96 1-27-98 4-13-98
243 W. 8TH ST. WYOMING PA 18644		PHONE (717)-693-4220 FAX (717)-693-2575	
PRODUCT CONTROL CODE:		DRAWING NO.	SSHB-149

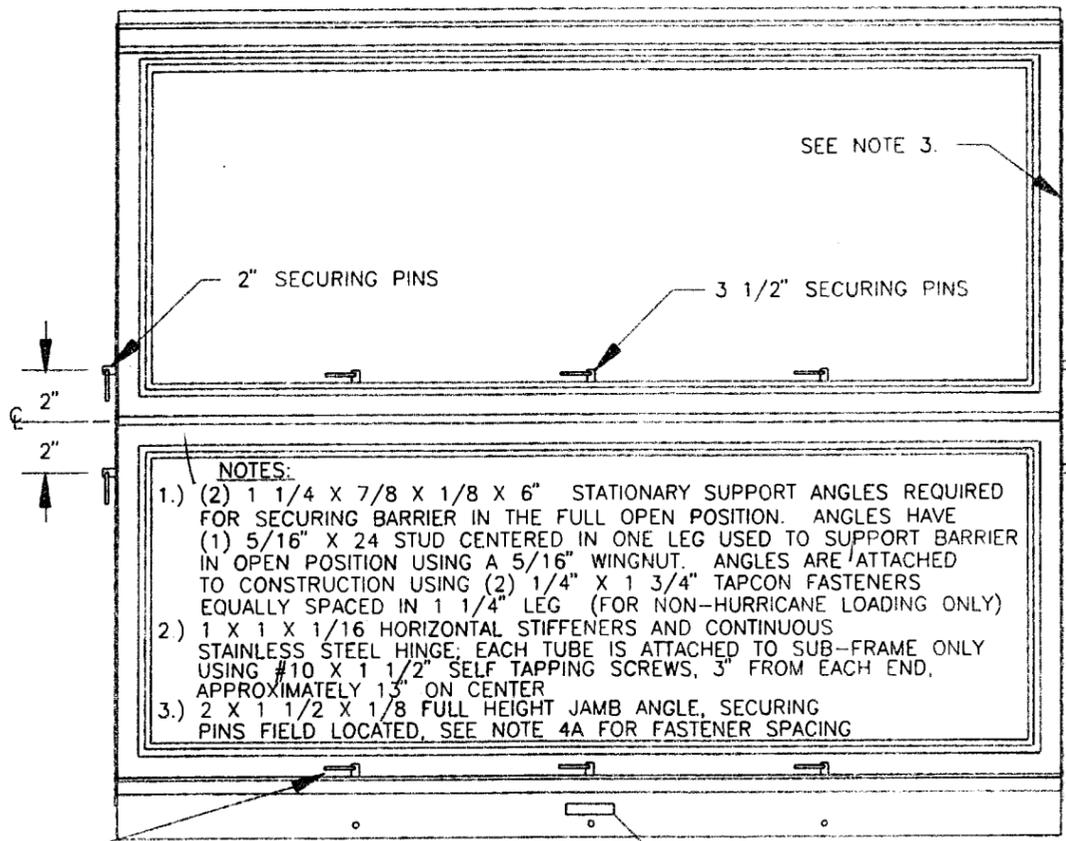
CONSULTING ENGINEER
THOMAS H. MAXWELL JR., P.E.
121 N.W. 39 AVE.
MIAMI, FLORIDA 33126
(305) 541-7549

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.
4-24-98

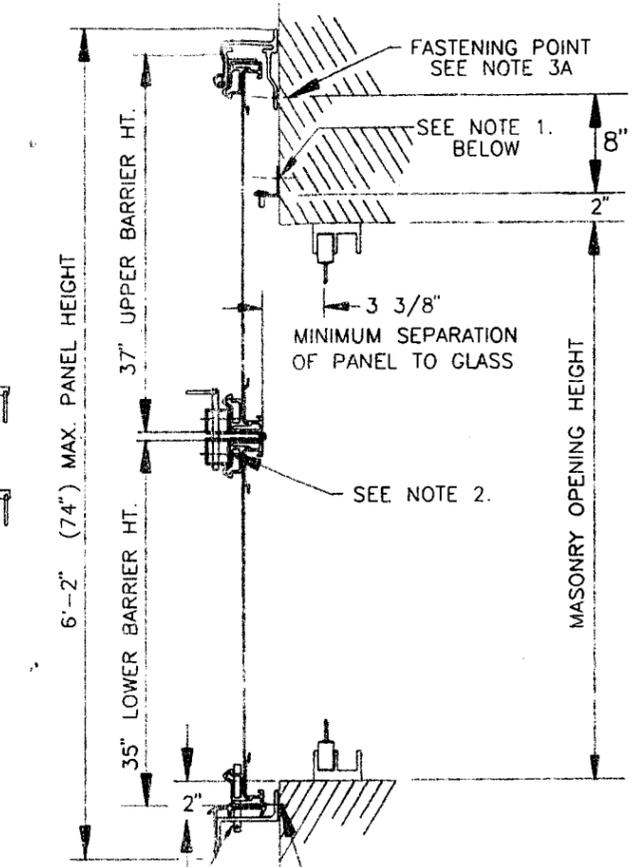
PRODUCT RENEWED
01-0604.03
07/09/2006

APPROVED AS COMPLYING WITH THE
SOUTH FLORIDA BUILDING CODE
DATE July 9 1998
BY [Signature]
PRODUCT CONTROL DIVISION
BUILDING CODE COMPLIANCE OFFICE
ACCEPTANCE NO. 96-0507.02



- NOTES:**
- 1.) (2) 1 1/4 x 7/8 x 1/8 x 6" STATIONARY SUPPORT ANGLES REQUIRED FOR SECURING BARRIER IN THE FULL OPEN POSITION. ANGLES HAVE (1) 5/16" X 24 STUD CENTERED IN ONE LEG USED TO SUPPORT BARRIER IN OPEN POSITION USING A 5/16" WINGNUT. ANGLES ARE ATTACHED TO CONSTRUCTION USING (2) 1/4" X 1 3/4" TAPCON FASTENERS EQUALLY SPACED IN 1 1/4" LEG (FOR NON-HURRICANE LOADING ONLY)
 - 2.) 1 X 1 X 1/16 HORIZONTAL STIFFENERS AND CONTINUOUS STAINLESS STEEL HINGE. EACH TUBE IS ATTACHED TO SUB-FRAME ONLY USING #10 X 1 1/2" SELF TAPPING SCREWS, 3" FROM EACH END, APPROXIMATELY 13" ON CENTER
 - 3.) 2 X 1 1/2 X 1/8 FULL HEIGHT JAMB ANGLE, SECURING PINS FIELD LOCATED, SEE NOTE 4A FOR FASTENER SPACING

METRO DADE LABEL
EXTERIOR ELEVATION



FASTENING POINT SEE NOTE 3A
SEE NOTE 1. BELOW
8"
2"
3 3/8"
MINIMUM SEPARATION OF PANEL TO GLASS
SEE NOTE 2.
6'-2" (74") MAX. PANEL HEIGHT
37" UPPER BARRIER HT.
35" LOWER BARRIER HT.
MASONRY OPENING HEIGHT
FASTENING POINT SEE NOTE 3A
SECURING PIN
VERTICAL SECTION
BARRIER SHOWN IN CLOSED POSITION

NOTES:

- 1A) METAL FINISHES: POLYESTER POWDER COAT ON GALVANNEALED PERFORATED METAL AND PPG POLYCHRON OR KYNAR ON 6063 T6 ALUMINUM
- 2A) 1/4" X 2" OR 3 1/2" S/S SECURING PINS REQUIRED. TWO 2" PINS PER JAMB; THREE 3 1/2" PINS AT MID-HEIGHT ACROSS SPAN; AND THREE 2" PINS REQUIRED PER SILL
- 3A) FASTENERS: 1/4" TAPCONS MASONRY ANCHORS BY 1 3/4" MIN. OR EQUAL WITH 1 1/4" MIN. PENETRATION. FASTENERS ARE SPACED 12" ON CENTER (SEE DWG. #SSH-152 FOR QUANTITY OF FASTENERS REQ'D)
- 4A) FASTENERS: 1/4" TAPCONS WITH 1 1/4" PENETRATION AT FULL HEIGHT JAMB ANGLES AS FOLLOWS: 2 1/2" FROM EACH END, 13 1/2" O.C. THEREAFTER

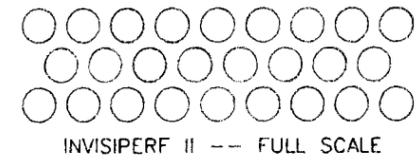
CONSULTING ENGINEER
THOMAS H. MAXWELL JR., P.E.
121 N.W. 39 AVE.
MIAMI, FLORIDA 33126
(305) 541-7549

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

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

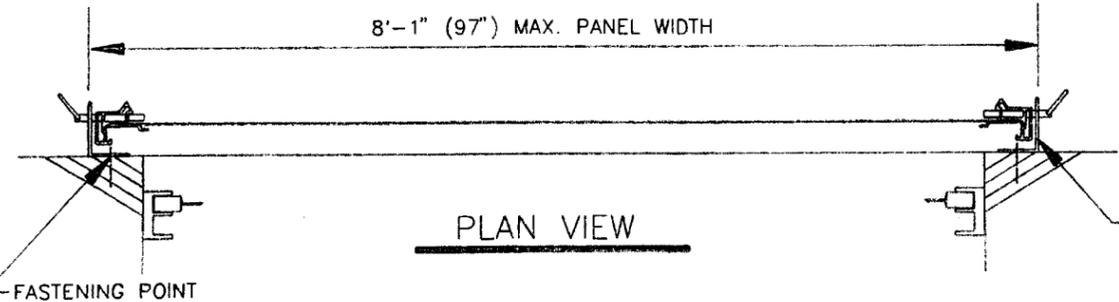
THOMAS H. MAXWELL JR.
4-24-98

MATERIAL: #14 GA. GALVANNEALED ASTM A642
NON CHEM TREAT
DQSK/DQAK A40/60 COATING
MIN. YIELD STRENGTH: 38 ksi



01-0604.03

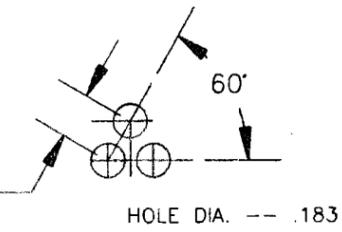
07/09/2006



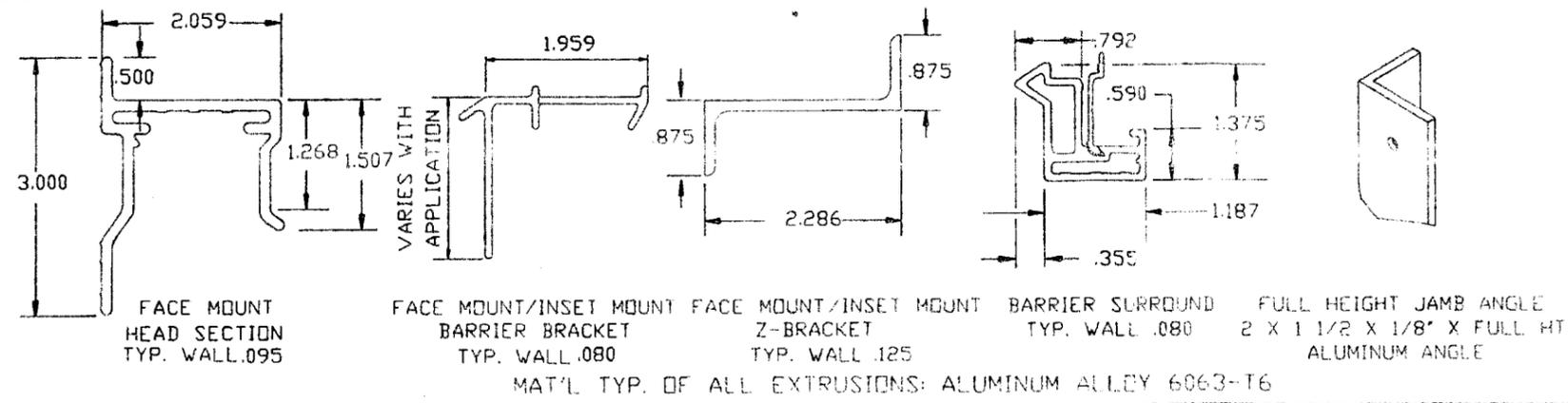
PLAN VIEW

2 X 1 1/2 X 1/8 X FULL HT. JAMB ANGLE

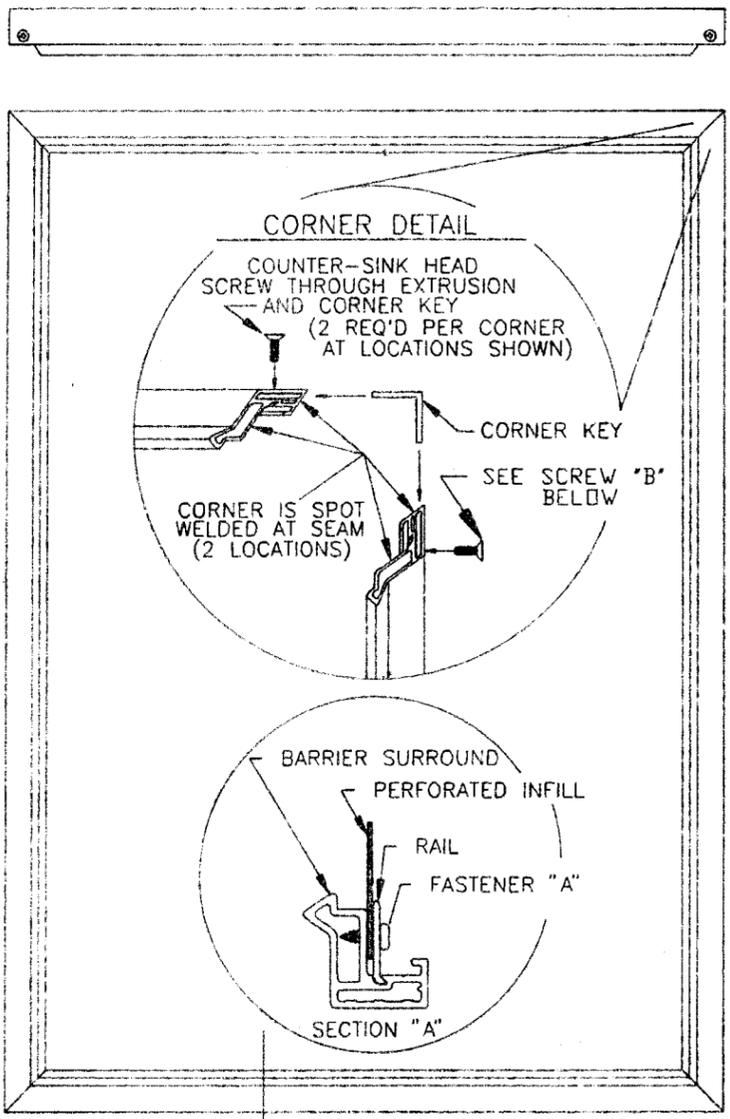
PRODUCT RENEWED
in compliance with the Florida
Building Code
05-1213.05
07/09/07
By *Thomas H. Maxwell Jr.*
Miami Dade Product Control
Division 250



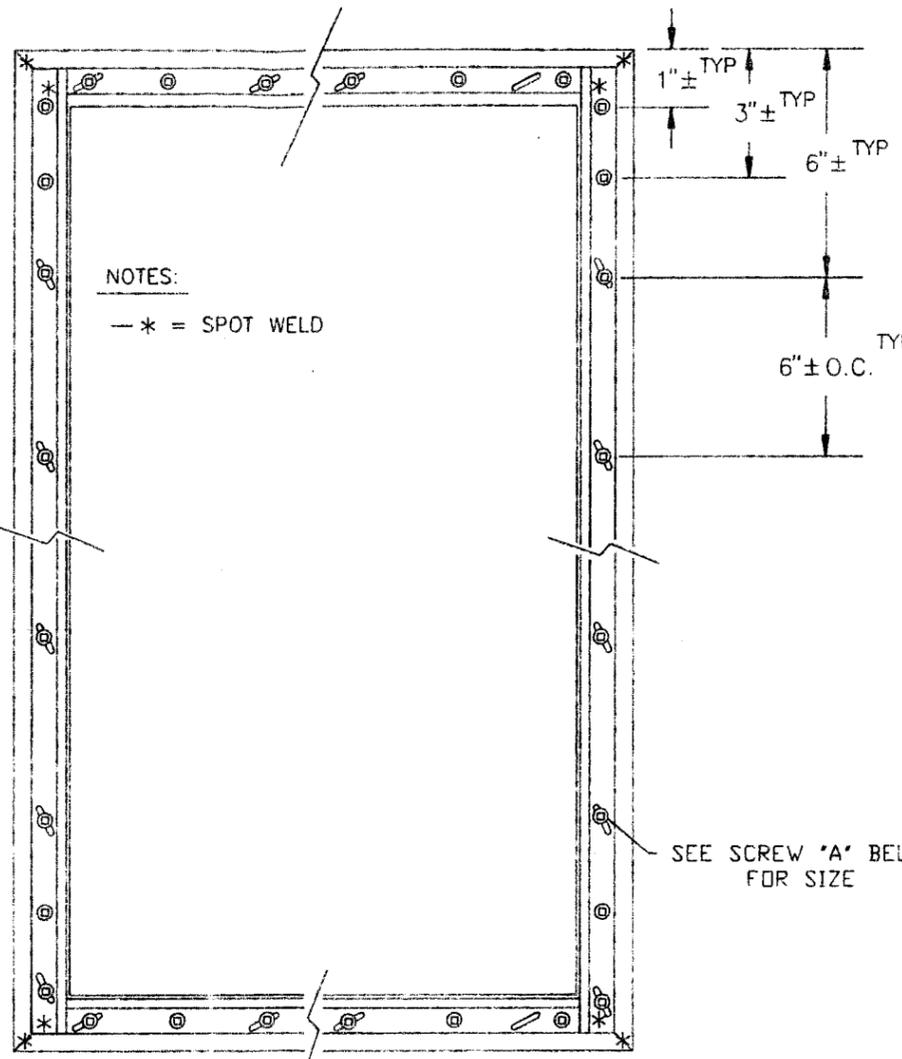
APPROVED AS COMPLYING WITH THE
SOUTH FLORIDA BUILDING CODE
DATE July 9 1998
BY *Thomas H. Maxwell Jr.*
PRODUCT CONTROL DIVISION
BUILDING CODE COMPLIANCE OFFICE
ACCEPTANCE NO. 96-0507.02



TITLE/CUSTOMER		STORM SHIELD HURRICANE BARRIERS "SPLIT-SASH" -- FACE MOUNT	
SCALE:	NTS	DRAWN BY:	RJS
DATE:	4-16-96	REVISED:	8-29-96 1-27-98 4-13-98
243 W 8TH ST. WYOMING PA 18644		717-693-4220 FAX 693-2575	
MAT'L:	STORMSHIELD "SPLIT-SASH" HURRICANE BARRIERS	DRAWING NO.:	SSH-150



FRONT



REAR

NOTES:

1) SCREW SPACING AT REAR OF SUB-FRAME IS 1", 3", & 6" FROM EACH CORNER, 6" ON CENTER THEREAFTER AS SHOWN IN DRAWING AT LEFT

NOTES:
- * = SPOT WELD

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

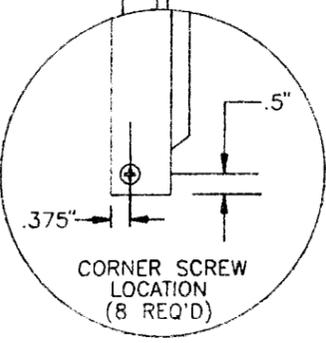
Board of Professional Engineers
Exam: Mechanical-Structural: 1965
State of Florida P.E. Registration
No. 10150
U.S. Army Corps of Engineers:
Civil-Structural Engineer
Florida Power & Light Company:
Electrical Engineer

Thomas H. Maxwell Jr.
4-24-98

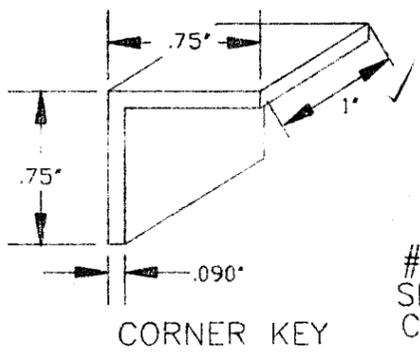
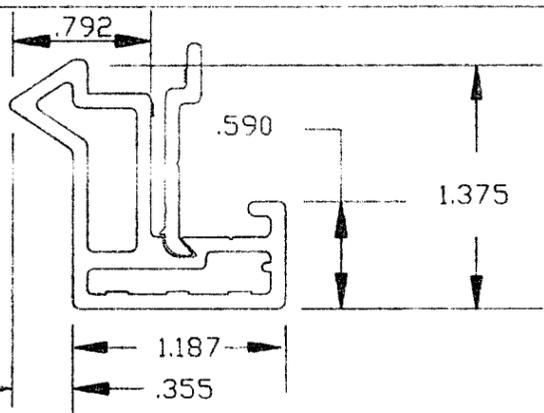
PROJECT NO. 01-0604.03
DATE 07/09/2002

APPROVED AS COMPLYING WITH THE
SOUTH FLORIDA BUILDING CODE
DATE July 9 1998
BY *[Signature]*
PRODUCT CONTROL DIVISION
BUILDING CODE COMPLIANCE OFFICE
ACCEPTANCE NO. 96-0507.02

PRODUCT RENEWED
in compliance with the Florida
Building Code
Accepted by 05-12/305
Expiration Date 07/09/07
By *[Signature]*
Miami State Product Control
Division



CORNER SCREW LOCATION (8 REQ'D)



CORNER KEY



"B"

#10-24X1/2" SELF-TAPPING COUNTERSINK



"A"

#10X5/8" SELF-DRILLING SELF-TAPPING PAN HEAD

TITLE/CUSTOMER		HURRICANE BARRIER ASSEMBLY STORM SHIELD "SPLIT SASH"	
SCALE:	NTS	DRAWN BY:	RJS
DATE:	4-16-96	REVISED:	8-29-96 1-27-98 4-13-98
243 W. 8TH ST WYOMING PA 18644		717-693-4220 FAX 693-2575	
MATERIAL:		DRAWING NO. SSHB-151	



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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 Florida Power & Light Company: Electrical Engineer

Thomas H. Maxwell Jr.
 4-24-98

FASTENER QUANTITY PER HEAD & PER SILL	
FASTENER SPACING	APPROXIMATELY 12" ON CENTER *
0-1'	3
1'-2'	3
UNIT 2'-3'	4
WIDTH 3'-4'	5
4'-5'	6
5'-6'	7
6'-7'	8
7'-8'	9

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

- 1/4" X 2" OR 3 1/2" SECURING PINS (MEN.); S/S REQ'D. TWO 2" PINS REQ'D PER JAMB; THREE 3 1/2" PINS REQ'D ACROSS SPAN AT HORIZONTAL STIFFENER; THREE 2" PINS REQ'D AT SILL
- FASTENERS: 1/4" X 1 3/4" TAPCON MASONRY ANCHORS WITH 1 1/4" PENETRATION
- FASTENERS AT FULL HEIGHT JAMB ANGLES AS FOLLOWS: 2 1/2" FROM EACH END. APPROXIMATELY 13 1/2" ON CENTER THEREAFTER.

PROFESSIONAL ENGINEER
 ADVERTISING NO. 01-0604.03
 EXPIRES 07/09/2006
 By *[Signature]*
 BUILDING CODE COMPLIANCE OFFICE

PRODUCT RENEWED
 in accordance with the Florida
 Building Code
 ADVERTISING NO. 05-1213.05
 EXPIRES 07/09/07
 By *[Signature]*
 Building Code Product Control
 Division

APPROVED AS COMPLYING WITH THE
 SOUTH FLORIDA BUILDING CODE
 DATE July 9 1998
 BY *[Signature]*
 PRODUCT CONTROL DIVISION
 BUILDING CODE COMPLIANCE OFFICE
 ACCEPTANCE NO. 96-0507.02

TITLE/CUSTOMER		FASTENER SCHEDULE STORM SHIELD "SPLIT SASH"	
SCALE:		DRAWN BY:	RJS
DATE:	4-16-96	REVISED:	8-29-96 1-27-98
243 W. 8TH ST. WYOMING PA 18644		717-693-4220 FAX 693-2575	
MAT'L:		DRAWING NO.:	SSHB-152

