



BUILDING CODE COMPLIANCE OFFICE
METRO-DADE FLAGLER BUILDING
140 WEST FLAGLER STREET, SUITE 1603
MIAMI, FLORIDA 33130-1563
(305) 375-2901 FAX (305) 375-2908

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

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

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

PRODUCT CONTROL NOTICE OF ACCEPTANCE

Exeter Architectural Products
243 W. Eight Street
Wyoming ,PA 18644

Your application for Notice of Acceptance (NOA) of:

Storm Shield Hurricane Barriers 14 ga. Steel Perforated (Split Sash)

under Chapter 8 of the Code of Miami-Dade County governing the use of Alternate Materials and Types of Construction, and completely described herein, has been recommended for acceptance by the Miami-Dade County Building Code Compliance Office (BCCO) under the conditions specified herein.

This NOA shall not be valid after the expiration date stated below. BCCO reserves the right to secure this product or material at any time from a jobsite or manufacturer's plant for quality control testing. If this product or material fails to perform in the approved manner, BCCO may revoke, modify, or suspend the use of such product or material immediately. BCCO reserves the right to revoke this approval, if it is determined by BCCO that this product or material fails to meet the requirements of the South Florida Building Code.

The expense of such testing will be incurred by the manufacturer.

Raul Rodriguez
Chief Product Control Division

ACCEPTANCE NO.: 01-0604.03

EXPIRES: 07/09/2006

**THIS IS THE COVERSHEET, SEE ADDITIONAL PAGES FOR SPECIFIC AND GENERAL
CONDITIONS
BUILDING CODE & PRODUCT REVIEW COMMITTEE**

This application for Product Approval has been reviewed by the BCCO and approved by the Building Code and Product Review Committee to be used in Miami-Dade County, Florida under the conditions set forth above.

Francisco J. Quintana, R.A.
Director
Miami-Dade County
Building Code Compliance Office

APPROVED: 08/09/2001

NOTICE OF ACCEPTANCE: SPECIFIC CONDITIONS

1. SCOPE

This renews the Notice of Acceptance No. 96-0507.02, which was issued on 07/09/98. It approves an steel hurricane barrier, 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 **Exeter Hurricane Barrier** and its components shall be constructed in strict compliance with the following documents: Drawing No.SSHB-149, 150, 151 & 152, titled "Split Sash Mount Units", prepared by Exeter Architectural Products, dated 04/16/96, last revision on 04/13/98, bearing the Miami-Dade County Product Control Approval stamp with the Notice of Acceptance number and approval date by the Miami-Dade County Product Control Division. These documents shall hereinafter be referred to as the approved drawings.

3. LIMITATIONS

- 3.1** Panels are limited to those sizes and installations shown on approved drawings.
- 3.2** 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 hurricane protection system 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 including duplicate copies of the approved drawings as identified in Section 2 of this NOA marked to show the components selected for the proposed installation.
 - 6.1.2** 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.



Candido F. Font PE. Sr. Product Control Examiner
Product Control Division

Exeter Architectural Products.

ACCEPTANCE No: 01-0604.03

APPROVED: AUG 09 2001

EXPIRES: 07/09/2006

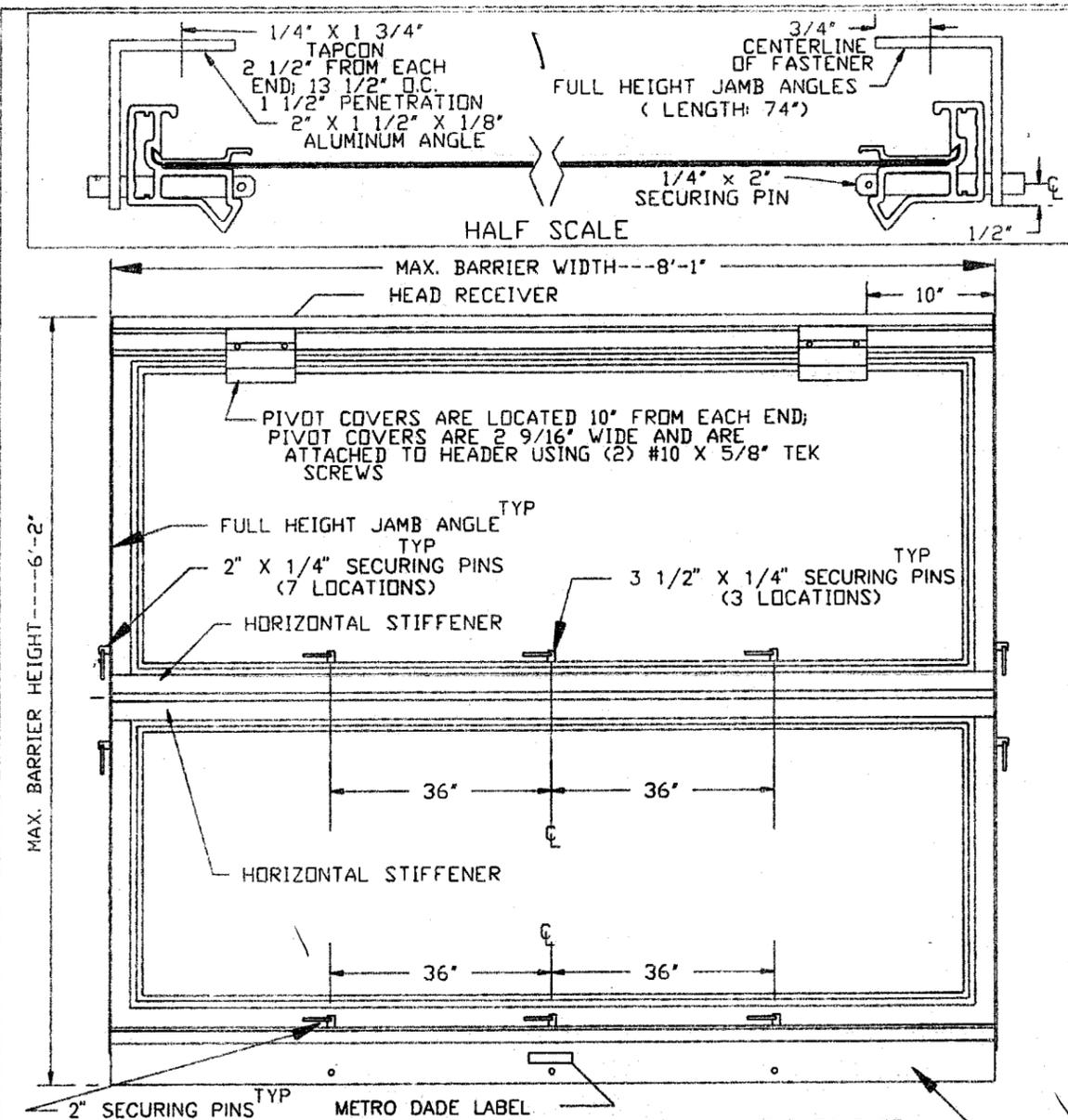
NOTICE OF ACCEPTANCE: STANDARD CONDITIONS

1. Renewal of this Acceptance (approval) shall be considered after a renewal application has been filed and the original submitted documents, including test-supporting data, engineering documents, are no older than eight (8) years.
2. Any and all approved products shall be permanently labeled with the manufacturer's name, city, state, and the following statement: "Miami-Dade County Product Control Approved", or as specifically stated in the specific conditions of this Acceptance.
3. Renewals of Acceptance will not be considered if:
 - a. There has been a change in the South Florida Building Code affecting the evaluation of this product and the product is not in compliance with the code changes.
 - b. The product is no longer the same product (identical) as the one originally approved.
 - c. If the Acceptance holder has not complied with all the requirements of this acceptance, including the correct installation of the product.
 - d. The engineer, who originally prepared, signed and sealed the required documentation initially submitted, is no longer practicing the engineering profession.
4. Any revision or change in the materials, use, and/or manufacture of the product or process shall automatically be cause for termination of this Acceptance, unless prior written approval has been requested (through the filing of a revision application with appropriate fee) and granted by this office.
5. Any of the following shall also be grounds for removal of this Acceptance:
 - a. Unsatisfactory performance of this product or process.
 - b. Misuse of this Acceptance as an endorsement of any product, for sales, advertising or any other purposes.
6. The Notice of Acceptance number preceded by the words Miami-Dade County, Florida, and followed by the expiration date may be displayed in advertising literature. If any portion of the Notice of Acceptance is displayed, then it shall be done in its entirety.
7. A copy of this Acceptance as well as approved drawings and other documents, where it applies, shall be provided to the user by the manufacturer or its distributors and shall be available for inspection at the job site at all time. The engineer needs not reseal the copies.
8. Failure to comply with any section of this Acceptance shall be cause for termination and removal of Acceptance.
9. This Notice of Acceptance consists of pages 1, 2 and this last page 3.

END OF THIS ACCEPTANCE

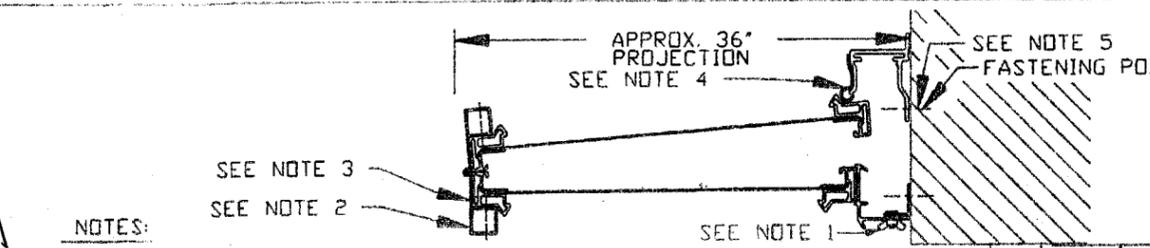


Candido F. Font PE. Sr Product Control Examiner
Product Control Division

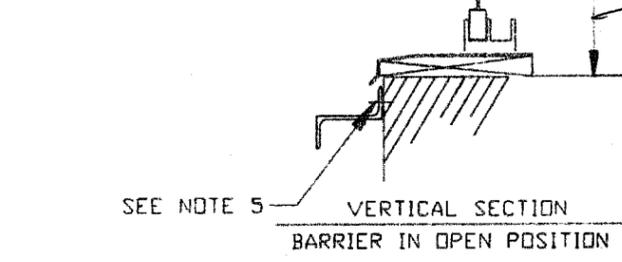
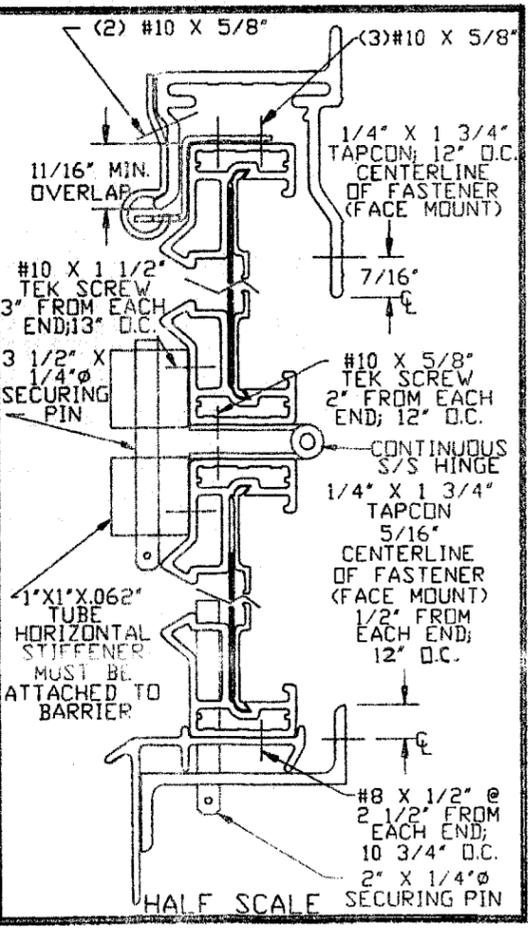


"SPLIT SASH HURRICANE BARRIER"
 FOR UNIT MOUNTING DETAILS SEE DWG. # SSHB-150
 FOR BARRIER CONSTRUCTION DETAILS SEE DWG. # SSHB-151
**TYPICAL DETAILS FOR STORM SHIELD
 "SPLIT SASH MOUNT" UNITS**

- 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:**
- (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!!)
 - (2) 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
 - (3) 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
 - (4) 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
 - (5) FASTENERS USED TO ATTACH HEAD SECTION AND Z-BRACKET ARE 1/4" X 1 3/4" TAPCON MASONRY ANCHORS SPACED APPROXIMATELY 12" ON CENTER
 - (6) 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 AND MATERIAL SPECIFICATIONS
 - (7) SEE DWG # SSHB-150 FOR NOMINAL DIMENSIONS OF EXTRUSIONS



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

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

ACCEPTANCE NO. 01-0604.03

EXPIRATION DATE 07/09/2006

By: *[Signature]*
 PROJECT CONTROL DIVISION
 BUILDING CODE COMPLIANCE OFFICE

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

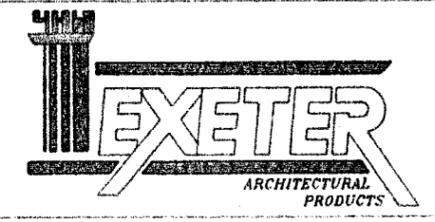
TITLE/CUSTOMER
 TYPICAL DETAILS FOR STORM SHIELD
 "SPLIT SASH MOUNT" UNITS

SCALE: NTC

DATE: 4-16-96

243 W. 8TH ST.
 WYOMING PA 18644

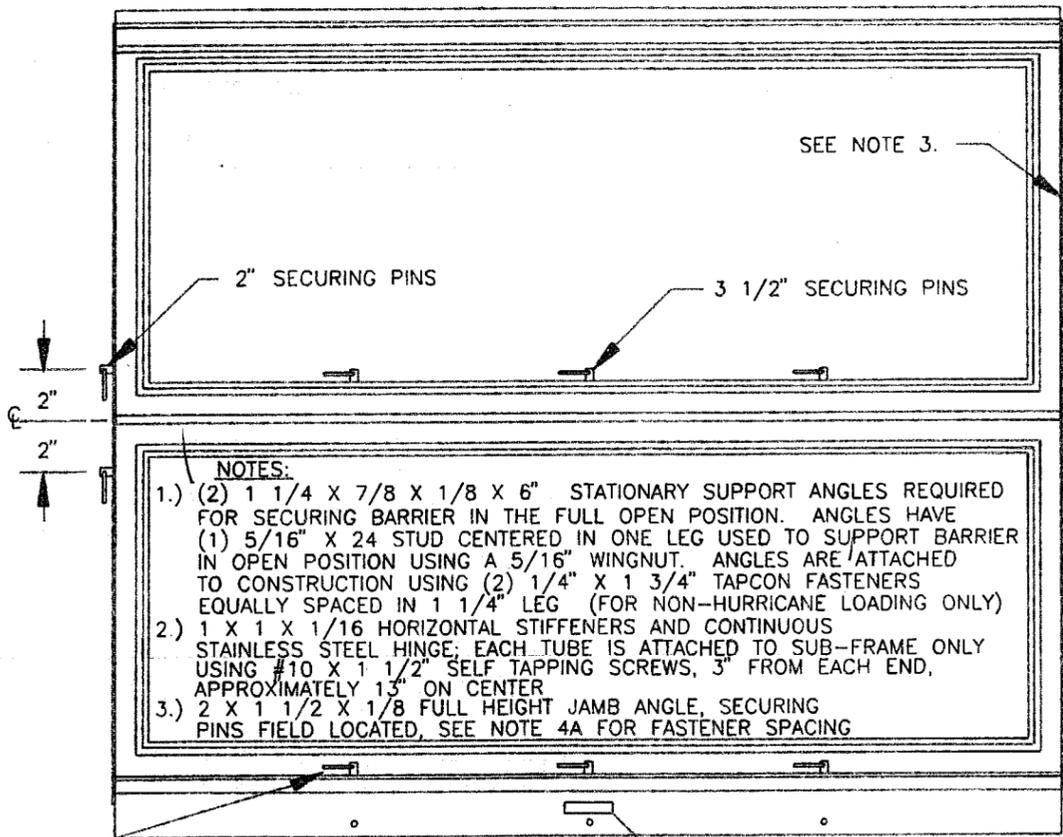
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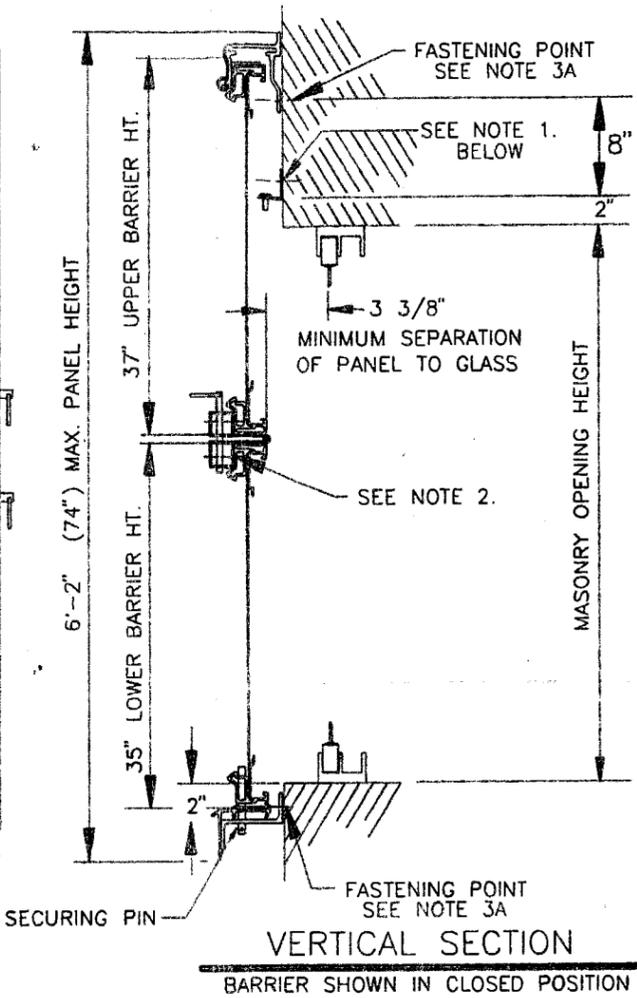
DRAWN BY: PJS
 REVISED 8-29-96
 1-27-98
 4-13-98

PHONE (717)-693-4220
 FAX (717)-693-2575

DRAWING NO.
 SSHB-149



- 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



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" Ø 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" Ø 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

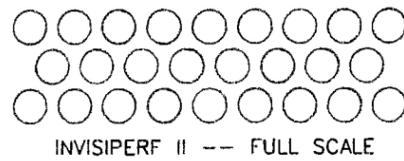
CONSULTING ENGINEER
 THOMAS H. MAXWELL JR., P.E.
 121 N.W. 39 AVE.
 MIAMI, FLORIDA 33126
 (305) 541-7549

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"

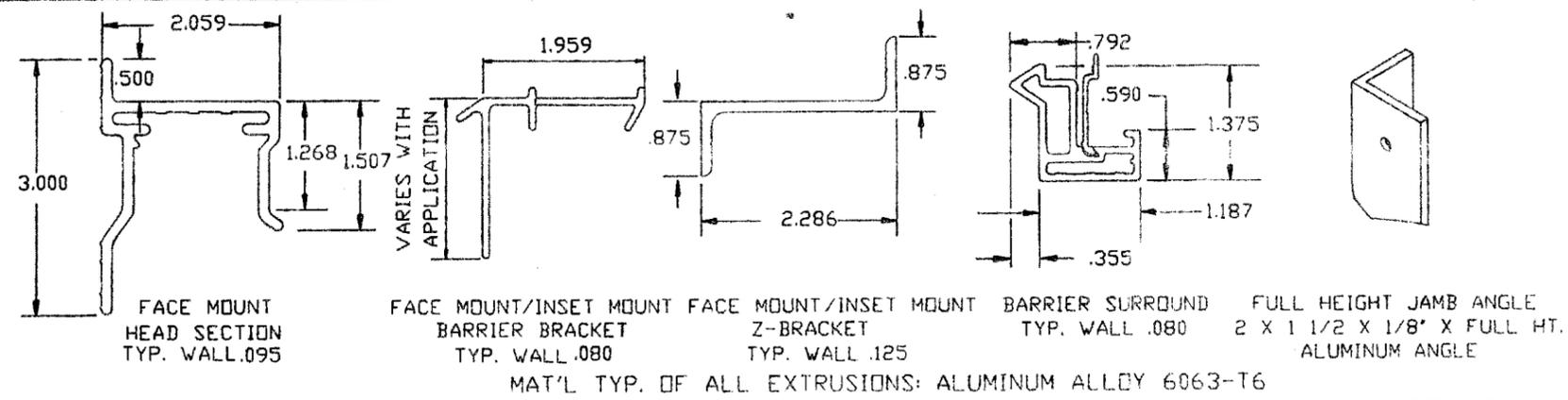
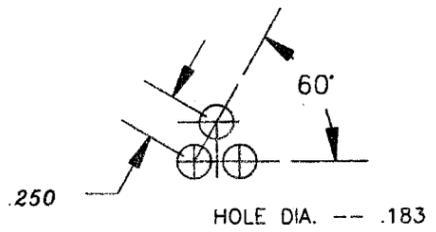
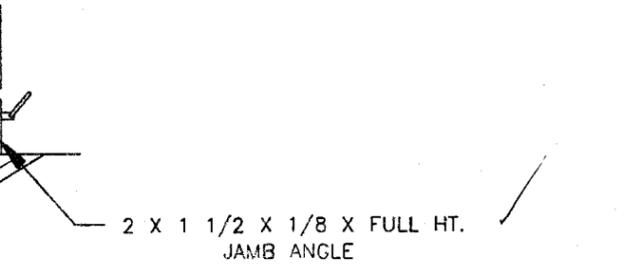
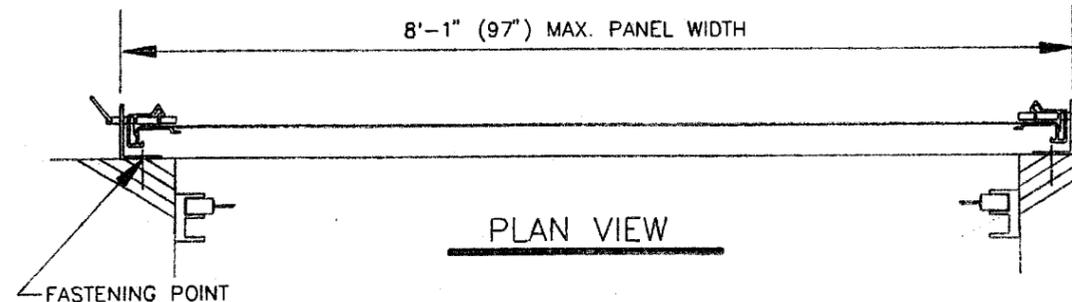
Thomas H. Maxwell Jr.
 4-24-98

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



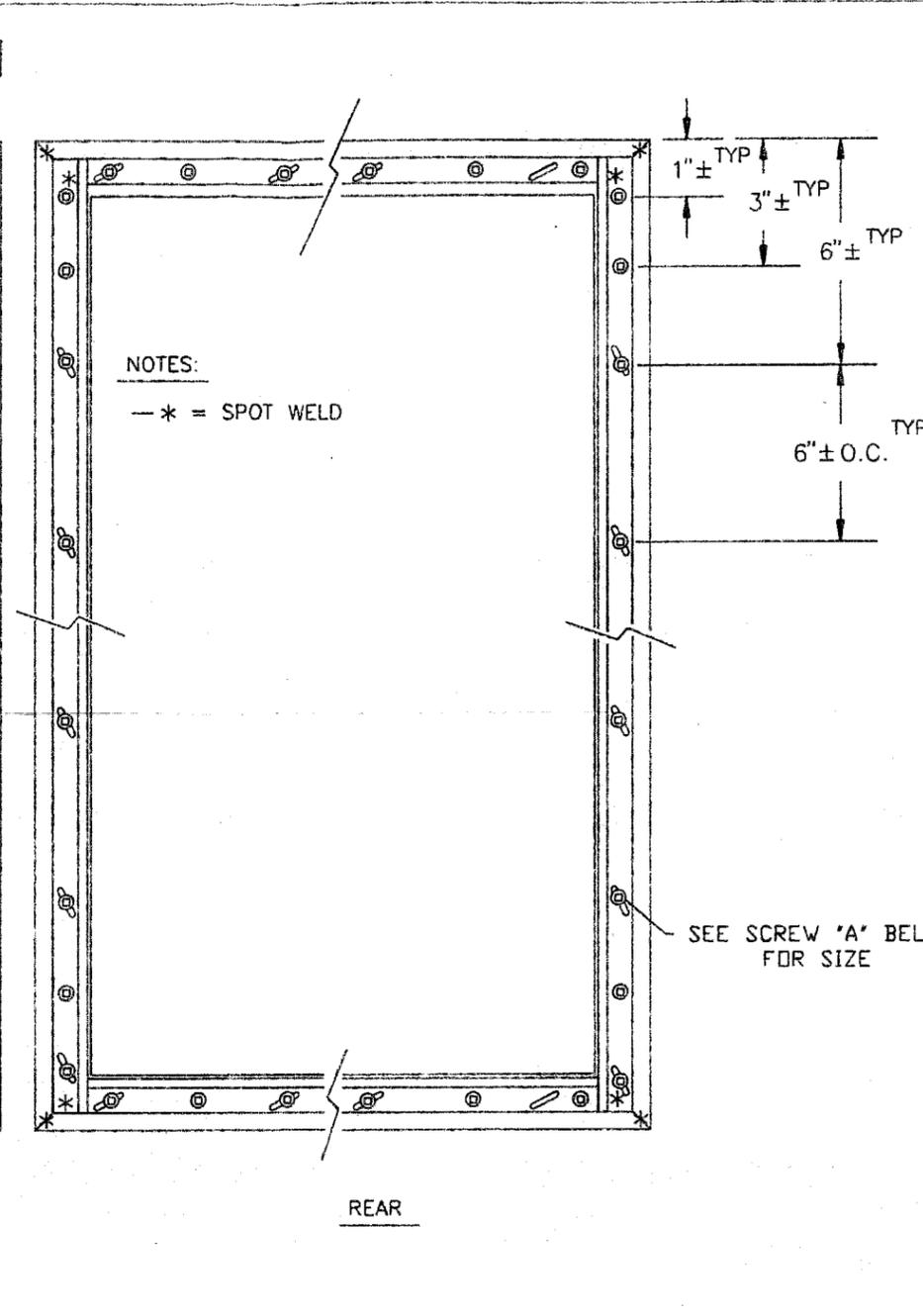
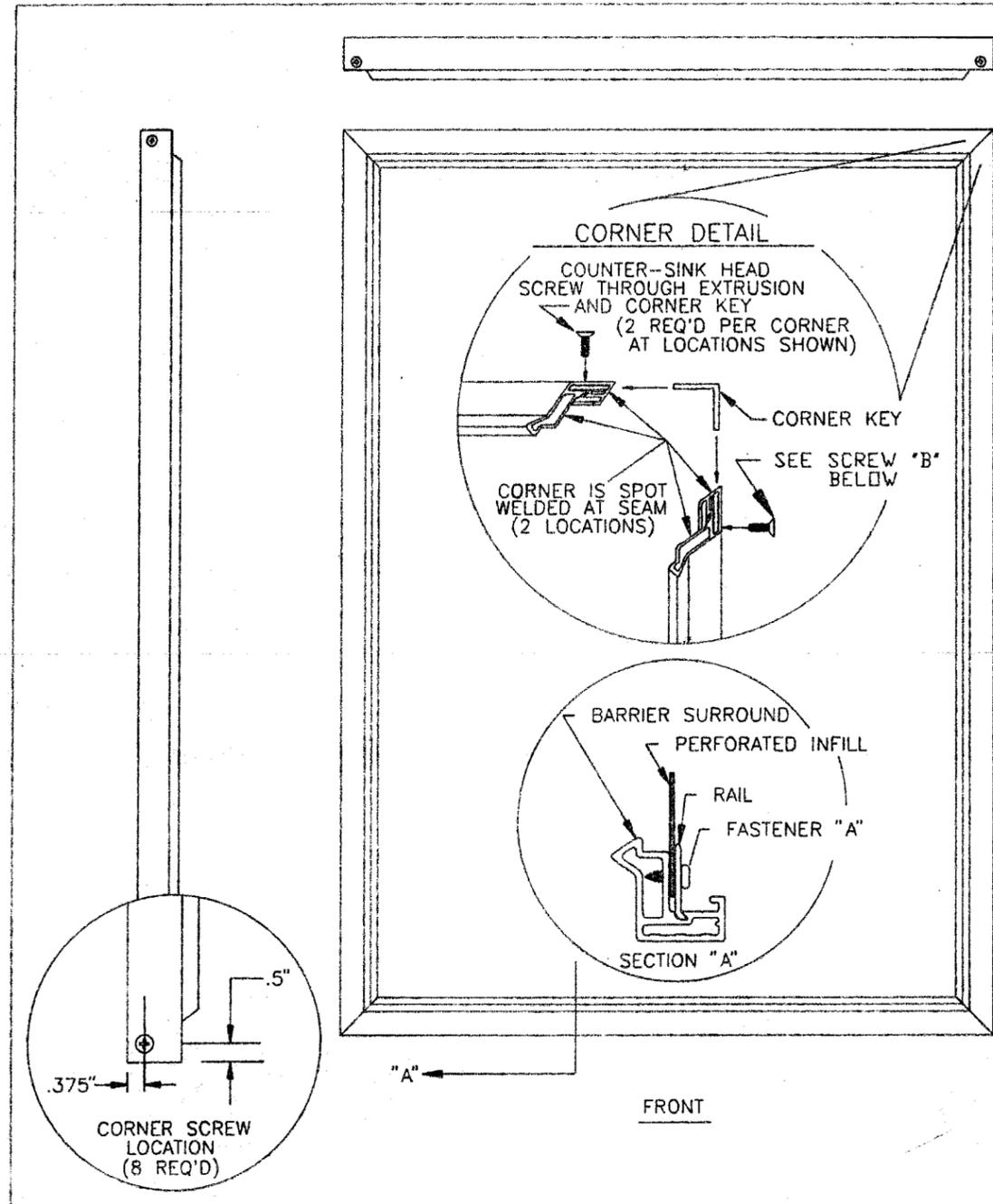
PRODUCT RENEWED
 ACCEPTANCE NO. 01-0604.03
 EXPIRATION DATE 07/09/2006
 PRODUCT CONTROL DIVISION
 BUILDING CODE COMPLIANCE OFFICE

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		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





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

CONSULTING ENGINEER
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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:
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 Florid Power & Light Company:
 Electrical Engineer

Thomas H. Maxwell Jr.
 4-24-98

PRODUCT RENEWED

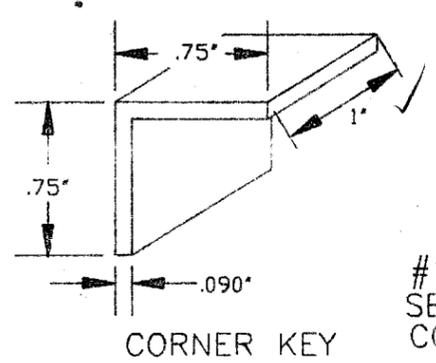
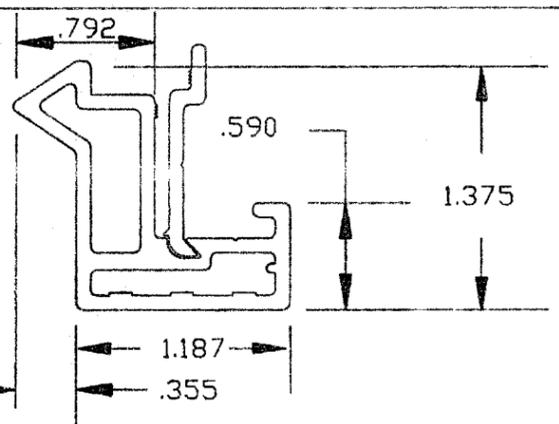
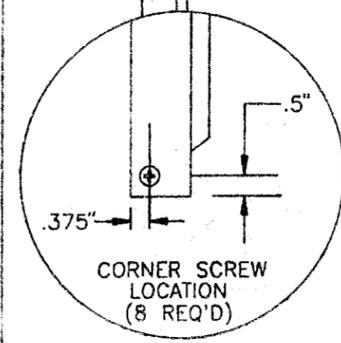
ACCEPTANCE NO. 01-0604.03

EXPIRATION DATE 07/09/2006

By *[Signature]*

PRODUCT CONTROL DIVISION
 BUILDING CODE COMPLIANCE OFFICE
 APPROVED AS COMPLYING WITH THE
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 DATE July 9 1998
 BY *[Signature]*

PRODUCT CONTROL DIVISION
 BUILDING CODE COMPLIANCE OFFICE
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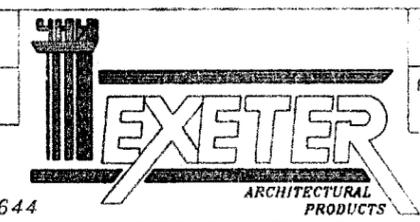


"B"
 #10-24X1/2"
 SELF-TAPPING
 COUNTERSINK



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

TITLE/CUSTOMER		HURRICANE BARRIER ASSEMBLY	
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:		DRAWING NO. SSHB-151	



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 U.S. Army Corps of Engineers: Civil-Structural Engineer
 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.

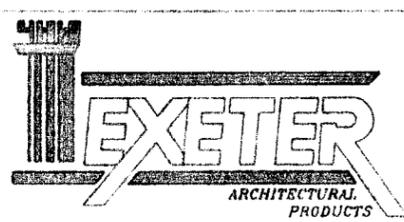
PRODUCT RENEWED

ACCEPTANCE NO. 01-0604.03

EXPIRATION DATE 07/09/2008

By *[Signature]*
 PRODUCT CONTROL DIVISION
 BUILDING CODE COMPLIANCE OFFICE

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		
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