



**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)

**Exeter Architectural Products, Inc.
242 W. 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 High Velocity Hurricane Zone of the Florida Building Code.

DESCRIPTION: Storm Shield Hurricane Barriers

APPROVAL DOCUMENT: Drawing No.SSHB-E sheets 1 through 12 of 12, dated 09/17/04 with last revision on 10/04/05, titled "Storm Shield Hurricane Barrier", prepared by Exeter Architectural Products, Inc., signed and sealed by T. H. Maxwell Jr., P.E., 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.

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 consists of this page, evidence page as well as approval document mentioned above. The submitted documentation was reviewed by **Candido E. Font, P.E.**

[Handwritten Signature]
02/16/06



**NOA No 04-0521.01
Expiration Date: February 16, 2011
Approval Date: February 16, 2006
Page 1**

Exeter Architectural Products, Inc.

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

A. DRAWINGS

1. Drawing No SSHB-E ,titled Storm Shield Hurricane Barrier, dated 08/17/04 with last revision on 10/04/05 sheets 1 through 12 of 12, signed and sealed by T. H. Maxwell Jr. PE

B. TESTS

	Test Reports	Test	Date	Signature
1.	HTL-0015-0312-03#2	PA 202	12/17/04	V. J. Abraham, PE
2.	HTL-0015-0513-03#11	PA 201, 203	12/17/04	V. J. Abraham, PE
3.	HTL-0015-0702-03#4	PA 201, 203	12/17/04	V. J. Abraham, PE
4.	HTL-0015-0201-04#2	PA 201, 202 & 203	12/17/04	V. J. Abraham, PE
5.	HTL-0015-0312-03#3&10	PA 201, 202 & 203	12/17/04	V. J. Abraham PE
6.	HTL-0015-0513-03#12	PA 201, 202 & 203	12/17/04	V. J. Abraham, PE
7.	HTL-0015-0513-03#10	PA 201 & 203	11/05/03	V. J. Abraham, PE
8.	HTL-0015-0702-03#6	PA 203	11/05/03	V. J. Abraham PE
9.	HTL-0015-0201-04#1,5,6,10&11	PA 201, 202 & 203	12/17/04	V. J. Abraham PE
10.	HTL-0015-1005-03#1	PA 201, 202 & 203	03/04/04	V. J. Abraham PE
11.	HTL-0015-0702-03#5	PA 201 & 203	03/04/04	V. J. Abraham PE
12.	HTL-0015-1005-03#3&5	PA 201, 202 & 203	03/04/04	V. J. Abraham PE.

C. CALCULATIONS

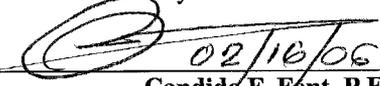
1. Anchor analysis of 4x6 side hinged hurricane barrier, sheets 1 through 3 dated 12/09/04, signed and sealed by T. H. Maxwell, Jr., P.E.
2. Anchor analysis of 5x7 side hinge hurricane barrier, sheets 1 through 3 dated 12/09/04, signed and sealed by T. H. Maxwell Jr PE.
3. Anchor analysis of 4x6 enhanced single and triple hurricane barriers, sheets 1 and 2, dated 12/09/04, signed and sealed by T. H. Maxwell Jr PE.1

D. MATERIAL CERTIFICATION

1. Certified Tensile Test Reports No. 7CM-601 by QC Metallurgical Inc., for aluminum samples dated 03/20/97 and signed by F. Grate, PE.
2. Certified Tensile Test Report No. 5GM-1726 by Q.C. Metallurgical Inc., for aluminum and steel mesh samples dated 07/26/95 and signed by F. Grate, PE.

E. NEW EVIDENCE SUBMITTED

1. Test compliance letter issued by Hurricane Test Laboratory on 03/05/04, signed and sealed by V. J. Abraham PE.
2. Cyclic Test Pressure letter issued by Hurricane Test Laboratory LLC on 11/29/05, signed and sealed by V. J. Abraham PE..
3. No interest letter issued by Thomas H. Maxwell Jr PE on 12/09/04, signed and sealed by T.H.Maxwell Jr. and notarized by R. J. Hernandez..


Candido F. Font, P.E.
Senior Product Control Examiner
NOA No 04-0521.01
Expiration Date: February 16, 2011
Approval Date: February 16, 2006

GENERAL NOTES

- THIS PRODUCT IS DESIGNED AS A HURRICANE/SECURITY SHUTTER
- THESE PRODUCTS SATISFY THE FOLLOWING TESTING CRITERIA FOR LARGE MISSILE IMPACTS AND WIND LOADS IN ACCORDANCE WITH THE FOLLOWING STANDARDS:
FLORIDA BUILDING CODE HIGH VELOCITY HURRICANE ZONE (TAS 201-94, TAS 202-94, TAS 203-94)

3. N/A

- EACH BARRIER SHALL HAVE A PERMANENT LABEL PLACED IN A VISIBLE LOCATION WITH THE FOLLOWING INFORMATION:

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

- DESIGN PRESSURE CALCULATIONS SHALL BE PERFORMED BY A REGISTERED ARCHITECT OR PROFESSIONAL ENGINEER IN ACCORDANCE WITH ASCE 7-98. THE ALLOWABLE DESIGN PRESSURES FOR EACH PRODUCT TYPE (APPROVED UNDER THIS N.O.A.) ARE LISTED WITH ITS CORRESPONDING DRAWING.
- ALL ALUMINUM PARTS ARE MADE FROM 6000 SERIES ALUMINUM. THE PERFORATED PANELS SHALL BE .079" (NOMINAL THICKNESS) GALVANNEALED STEEL WITH AN OPTION FOR .075" (NOMINAL THICKNESS) 300 SERIES STAINLESS STEEL. ALL PARTS SHALL BE SUPPLIED WITH A PROTECTIVE FINISH.
- A FASTENER SCHEDULE FOR EACH PRODUCT CAN BE FOUND ON THE INDIVIDUAL DRAWINGS.
- BARRIER CONSTRUCTION SHALL BE IN ACCORDANCE WITH DESIGNS AND METHODS SET FORTH BY THE MANUFACTURER CONTAINED HEREIN.
- TO ENSURE PROPER OPERATION, INSTALLATION SHALL BE PERFORMED USING METHODS AND INSTRUCTIONS SET FORTH BY THE MANUFACTURER CONTAINED WITHIN THESE DRAWINGS.
- UNITS MUST BE ATTACHED TO CONCRETE OR STRUCTURAL COMPONENTS OF THE BUILDING. OUTER WALL COVERINGS OR DECORATIVE ATTACHMENTS THAT ARE NOT PART OF THE BUILDING STRUCTURE ARE NOT SUITABLE FOR MOUNTING. CONDITIONS OTHER THAN WHAT IS LISTED ABOVE MUST BE REVIEWED BY THE MANUFACTURER OR STRUCTURAL ENGINEER.
- OPTION "A" PLACES THE SECURING PIN (ITEM 18) ON THE OUTSIDE. OPTION "B" PLACES THE SECURING PIN (ITEM 18) ON THE INSIDE.

DRAWING INDEX

- PAGE 1 OF 12 - GENERAL NOTES/INDEX
- 4 X 6 SIDE-HINGED
- PAGE 2 OF 12 - 4' X 6' SIDE-HINGED, FACE MOUNT UNIT.
PAGE 3 OF 12 - 4' X 6' SIDE-HINGED, INSET MOUNT UNIT.
- 5 X 7 SIDE-HINGED
- PAGE 4 OF 12 - 5' X 7' SIDE-HINGED, FACE MOUNT UNIT.
PAGE 5 OF 12 - 5' X 7' SIDE-HINGED, INSET MOUNT UNIT.
- 4 X 6 READY MOUNT (ENHANCED)
- PAGE 6 OF 12 - 4' X 6' ENHANCED SINGLE, READY MOUNT, FACE MOUNT UNIT.
PAGE 7 OF 12 - 4' X 6' ENHANCED SINGLE, READY MOUNT, INSET MOUNT UNIT.
PAGE 8 OF 12 - 4' X 6' ENHANCED TRIPLE, READY MOUNT, FACE MOUNT UNIT.
PAGE 9 OF 12 - 4' X 6' ENHANCED TRIPLE, READY MOUNT, INSET MOUNT UNIT.
- MATERIALS & FASTENER SCHEDULE
- PAGE 10 OF 12 - SUBFRAME ASSEMBLY DETAILS
PAGE 11 OF 12 - COMPONENT/EXTRUSION DETAILS.
PAGE 12 OF 12 - COMPONENT/EXTRUSION DETAILS. (CONT'D)

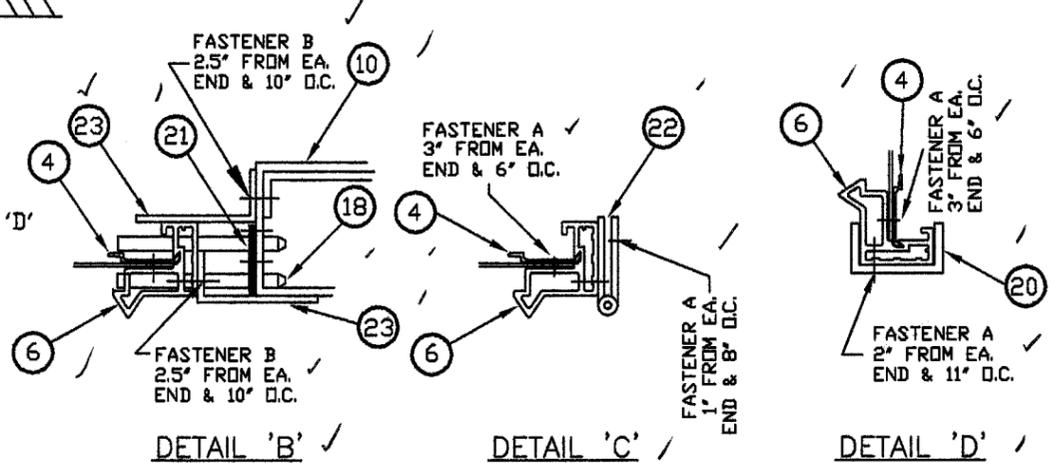
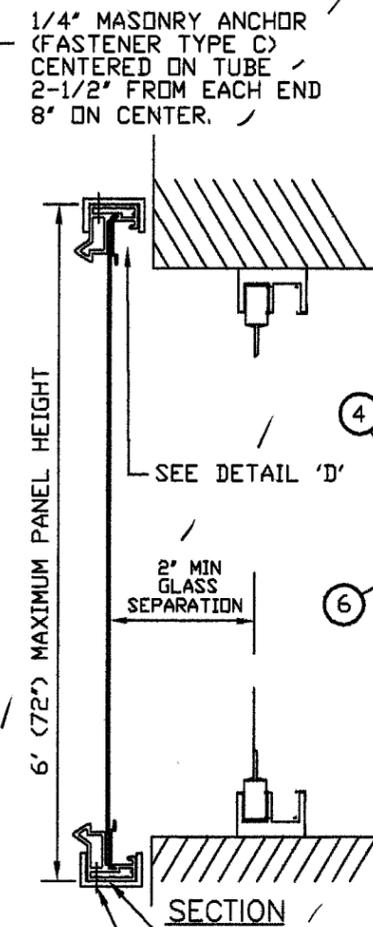
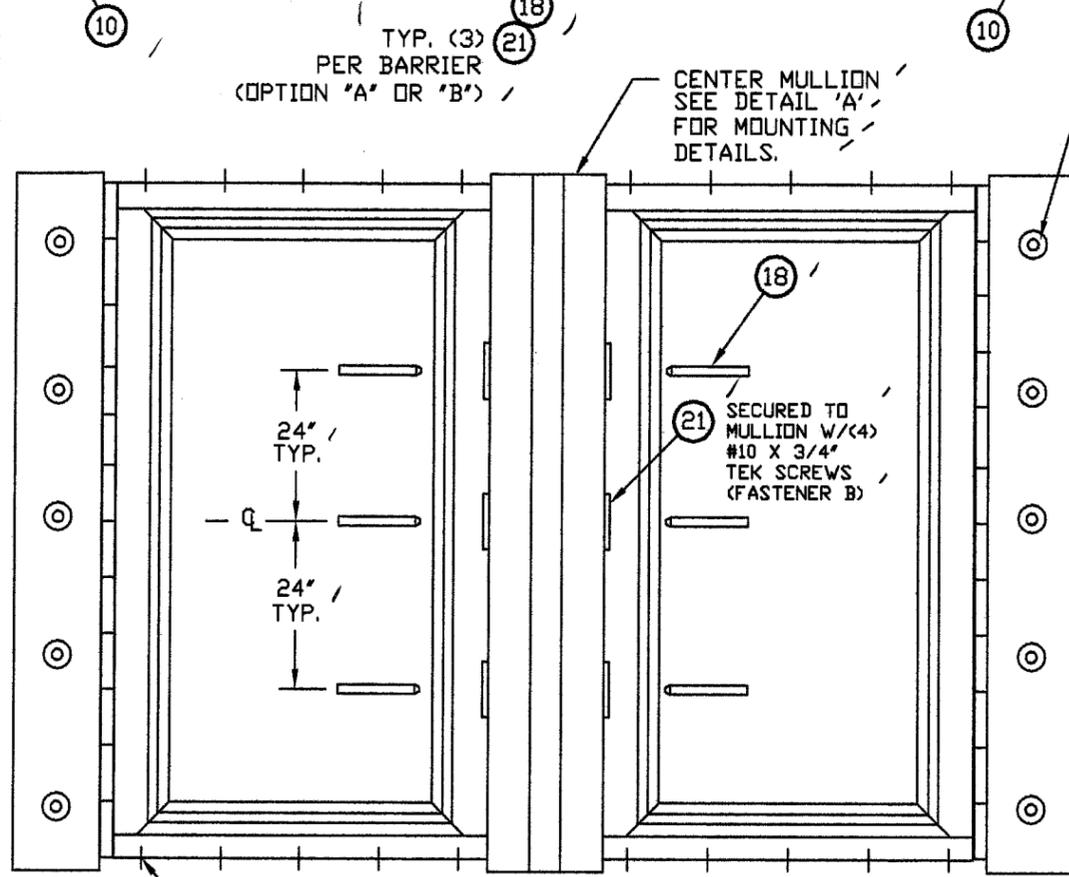
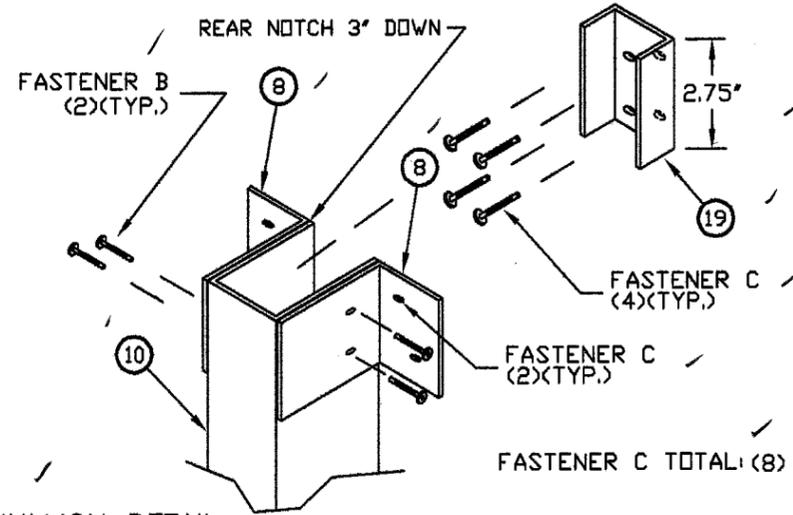
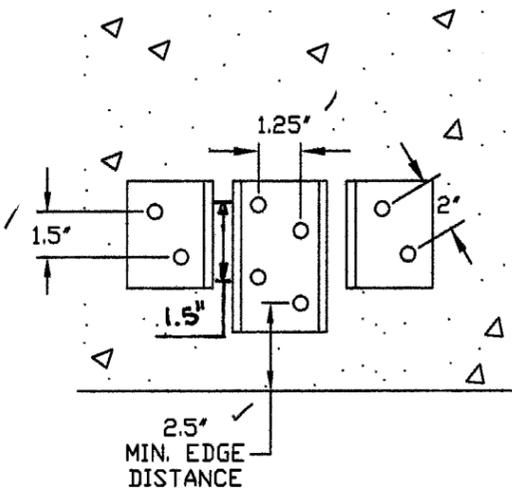
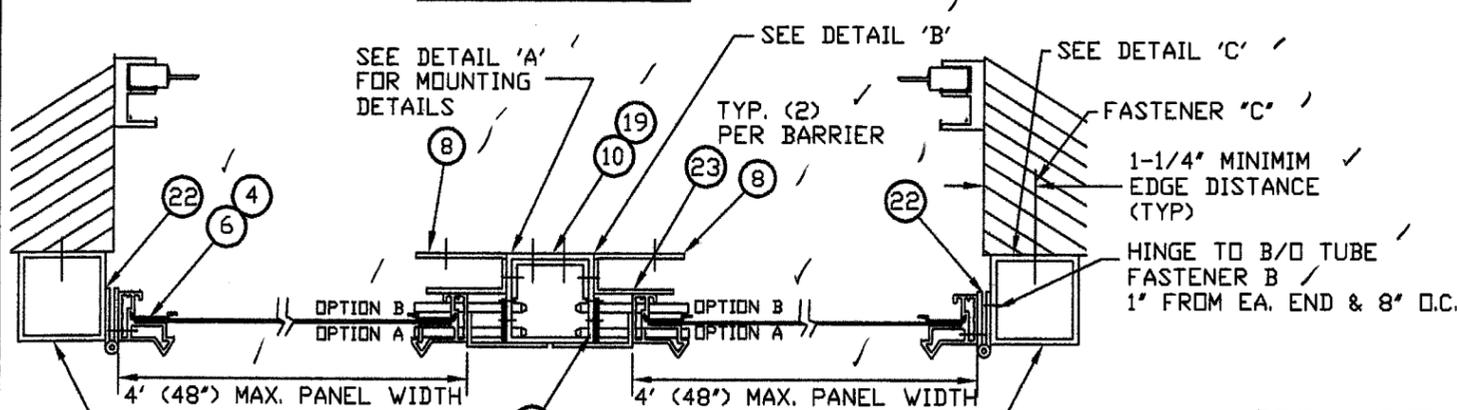
CONSULTING ENGINEER
THOMAS H. MAXWELL JR., P.E.
121 N.W. 39 AVE.
MIAMI, FLORIDA 33126
(305) 541-7549

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

Approved as complying with the Florida Building Code Date: 02/16/06 NOAH 04-052101 Miami Dade Product Control Division By: 	 11-9-05
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TITLE/CUSTOMER		STORM SHIELD HURRICANE BARRIERS DRAWING INDEX/NOTES	
SCALE: NTS	DATE: 8/17/04	 WWW.STORMSHIELD.NET	DRAWN BY: RBM REVISED REV 3 10/04/05
242 W. 8TH ST. WYOMING PA 18644		800-972-2478 FAX (570) 693-2575	
PRODUCT CONTROL CODE:		DRAWING NO. SSHB-E	
PAGE 1 OF 12			

PLAN OF OPENING



Approved as complying with the Florida Building Code
 Date: 02/16/06
 NOAH 04-032101
 Miami Dade Product Control Division
 By: [Signature]

[Signature]
 11-9-05

NO MID HEIGHT TUBE REQUIRED

MAT. TYPE	DESIGN PRESSURE RATING	
	POS. (PSF.)	NEG. (PSF.)
GALVANNEAL	113	87
STAINLESS STEEL	129	102

TITLE/CUSTOMER
DETAILS FOR STORM SHIELD HURRICANE BARRIER
4' X 6' SIDE HINGED (FACE MOUNT)

SCALE: NTS
 DATE: 8/17/04



DRAWN BY: RBM
 REVISED REV 3 10/04/05

242 W. 8TH ST.
 WYOMING PA 18644

800-972-2478
 FAX (570) 693-2575

PRODUCT CONTROL CODE:

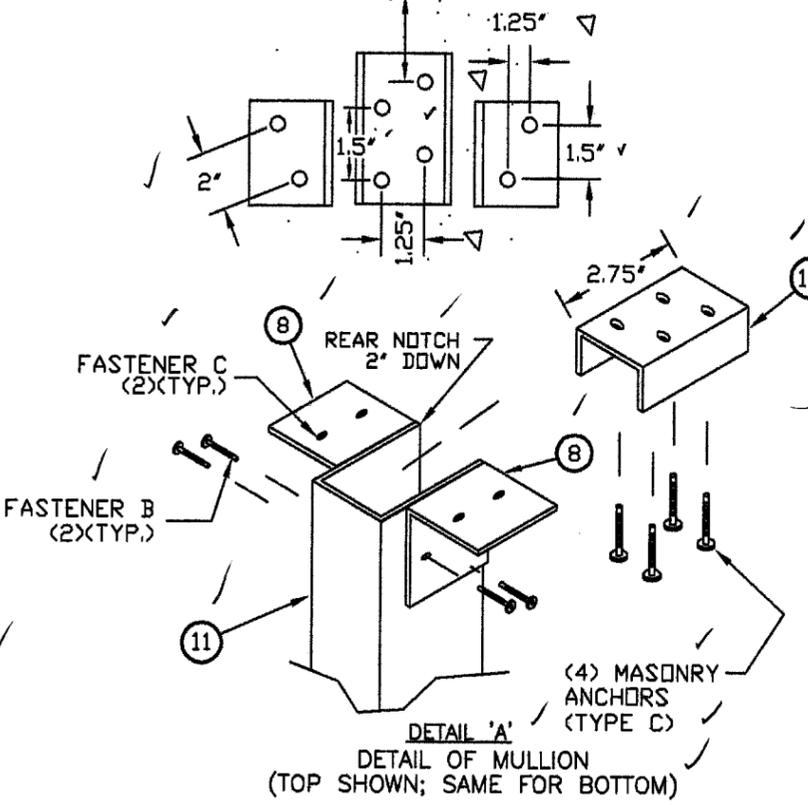
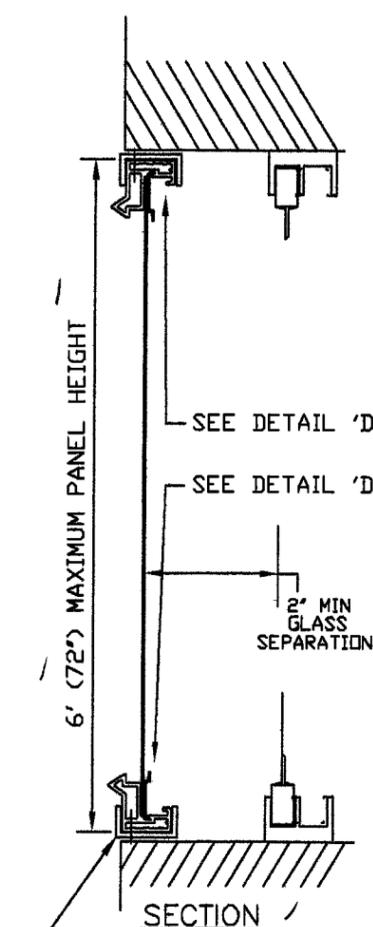
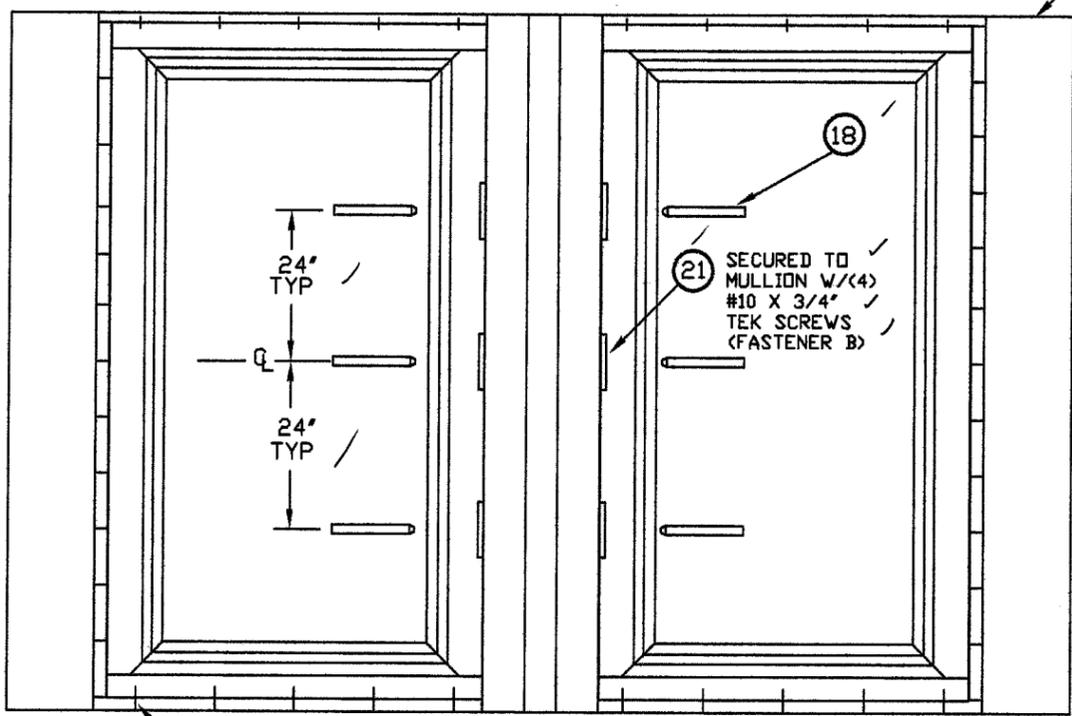
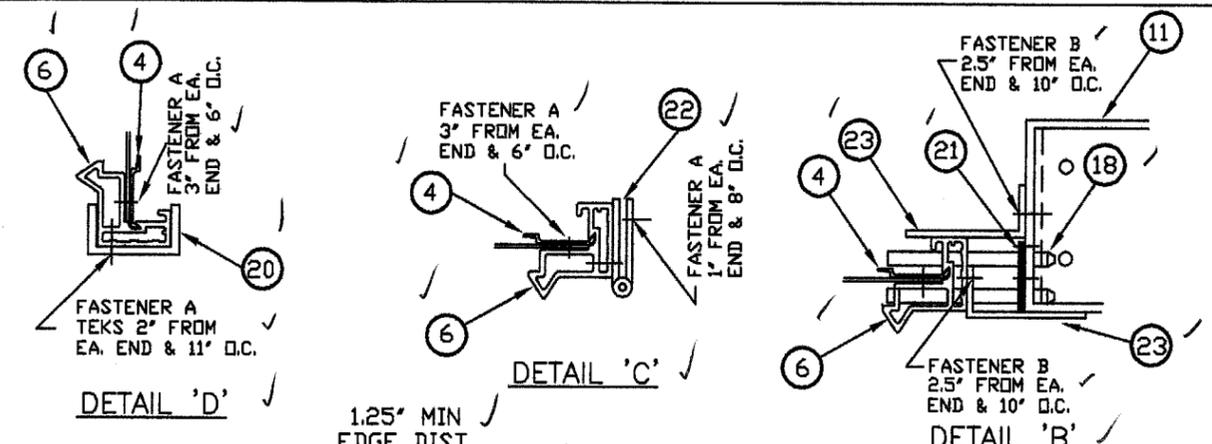
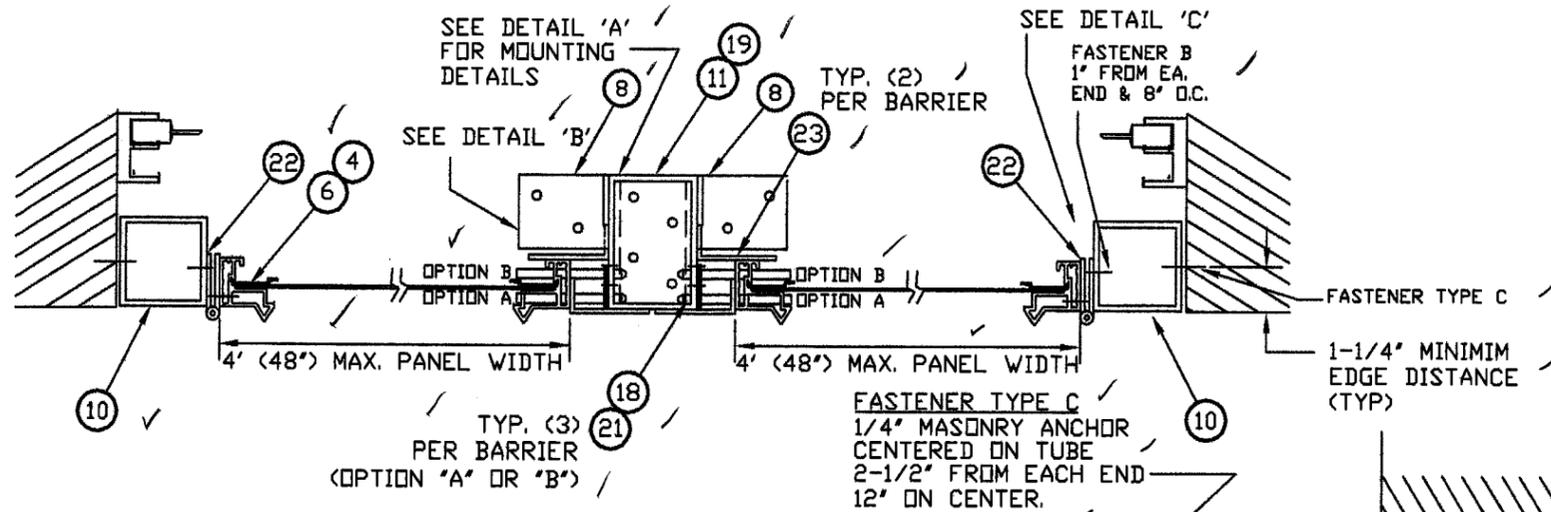
DRAWING NO. SSHB-E

- NOTES:
- ITEM # 18 1/4" X 2.63" SECURING PIN (MIN) S/S THREE SECURING PINS ON SIDE OPPOSITE CONTINUOUS HINGE.
 - FASTENER TYPE A: #10 X 5/8" SS TEK SCREW
 - FASTENER TYPE B: #10 X 3/4" SS TEK SCREW
 - FASTENER TYPE C: 1/4" X 1 3/4" ELCO TAPCON WITH 1.25" MINIMUM EMBEDMENT IN HOLLOW BLOCK. FASTENERS SPACED 2.5" FROM EACH END AND 8" O.C. THEREAFTER.
 - UNITS LESS THAN 30" IN HEIGHT SHALL SPLIT VERTICAL SECURING PIN LOCATIONS AT THE QUARTER POINTS.
 - UNITS CAN BE MOUNTED AS SINGLE BARRIER.

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

PLAN OF OPENING



Approved as complying with the Florida Building Code
 Date: 02/16/06
 RPA# 04-0521.01
 Miami Dade Product Control Division
 By: *[Signature]*

[Signature]
 11-9-05

NO MID HEIGHT TUBE REQUIRED

MAT. TYPE	DESIGN PRESSURE RATING	
	POS. (PSF.)	NEG. (PSF.)
GALVANNEAL	113	87
STAINLESS STEEL	129	102

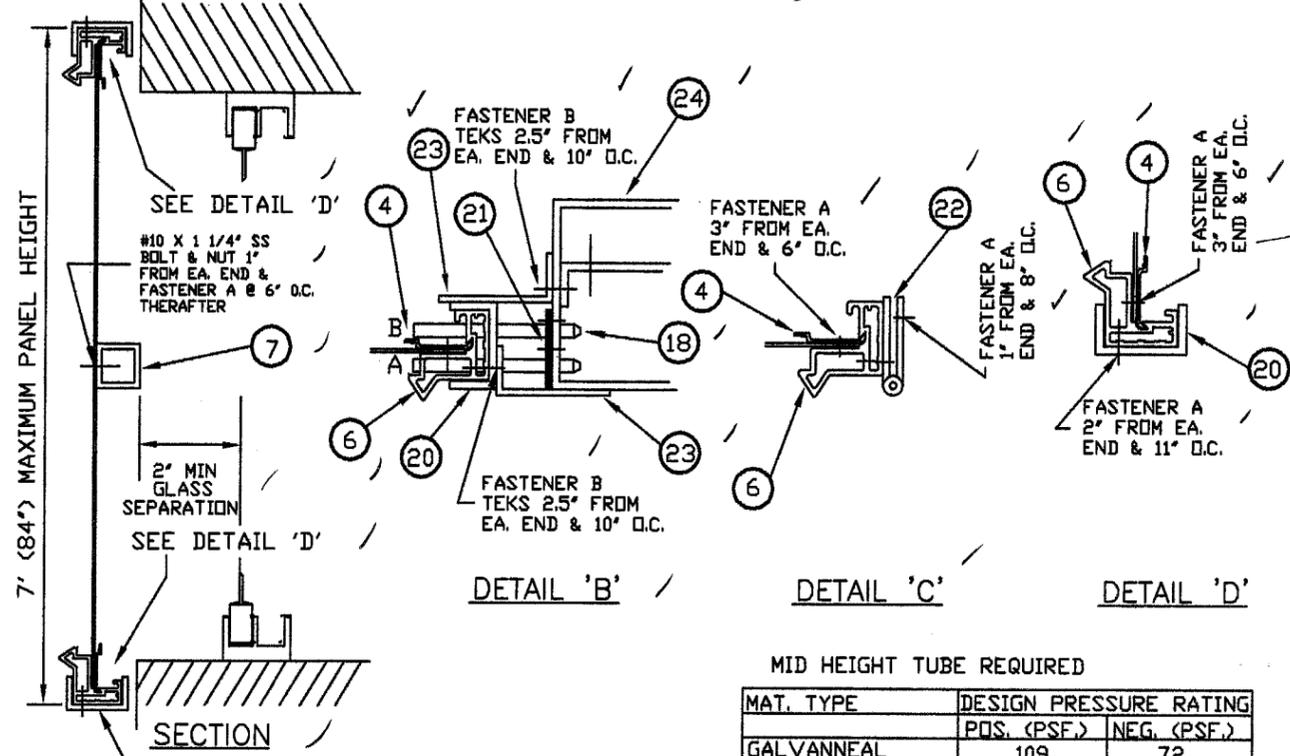
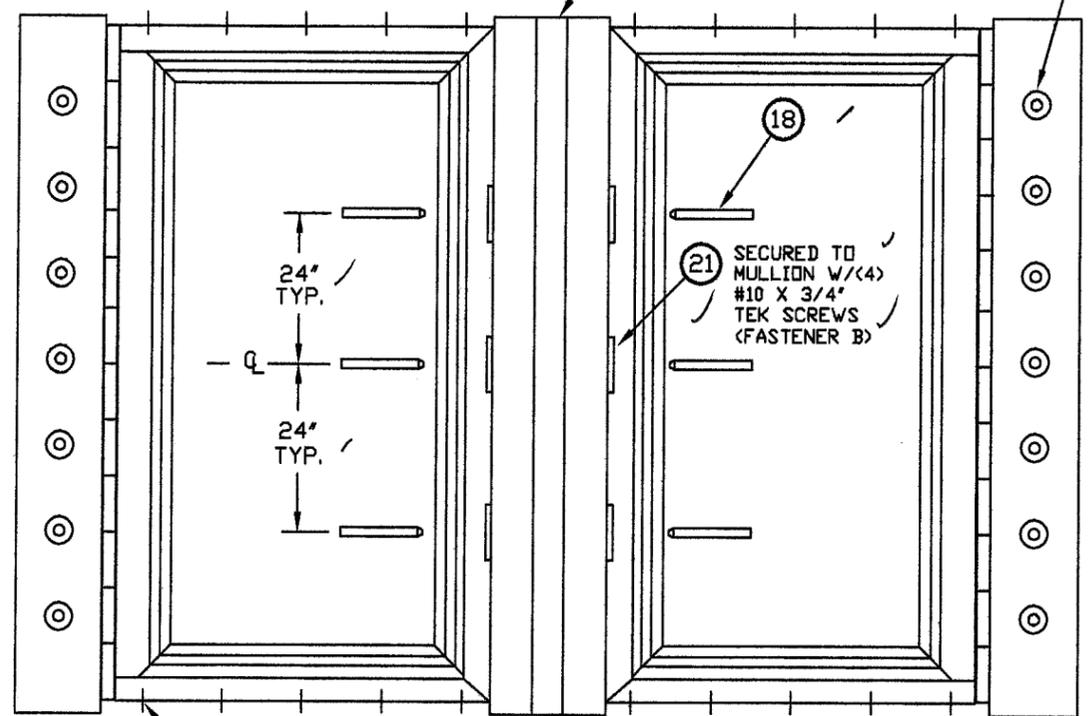
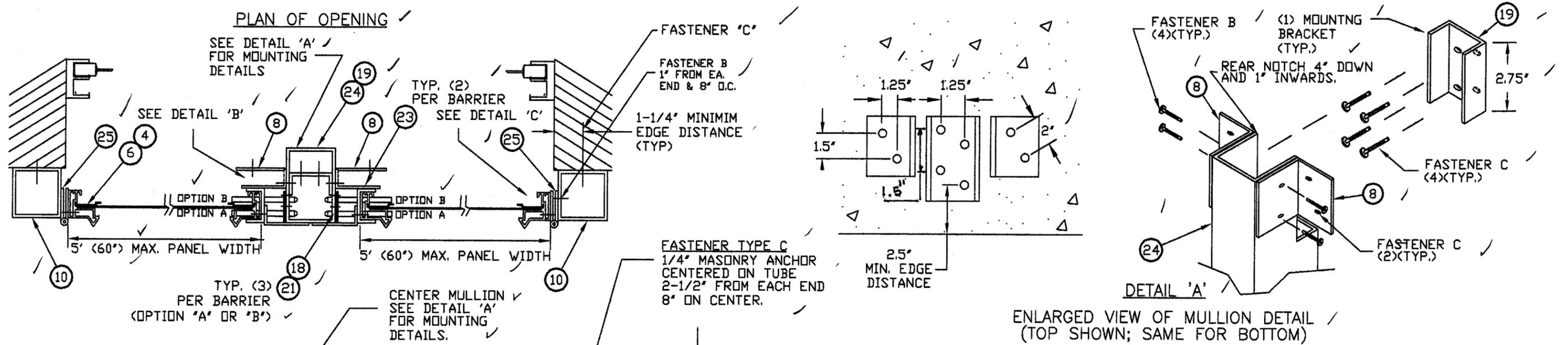
- NOTES:
- ITEM #18, 1/4" X 2.63" SECURING PIN (MIN); S/S THREE SECURING PINS ON SIDE OPPOSITE CONTINUOUS HINGE.
 - FASTENER TYPE A: #10 X 5/8" SS TEK SCREW
 - FASTENER TYPE B: #10 X 3/4" SS TEK SCREW
 - FASTENER TYPE C: 1/4" X 1 3/4" ELCO TAPCON WITH 1.25" MINIMUM EMBEDMENT IN HOLLOW BLOCK. FASTENERS SPACED 2.5" FROM EACH END AND 12" O.C. THEREAFTER.
 - UNITS LESS THAN 30" IN HEIGHT SHALL SPLIT VERTICAL SECURING PIN LOCATIONS AT THE QUARTER POINTS.
 - UNITS CAN BE MOUNTED AS SINGLE BARRIER.

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

TITLE/CUSTOMER
DETAILS FOR STORM SHIELD HURRICANE BARRIER
4' X 6' SIDE HINGED (INSET MOUNT)

SCALE: NTS		DRAWN BY: RBM
DATE: 8/17/04		REVISED REV 3 10/04/05
242 W. 8TH ST. WYOMING PA 18644		800-972-2478 FAX (570) 693-2575
PRODUCT CONTROL CODE:	DRAWING NO. SSHB-E	
PAGE 3 OF 12		



Approved as complying with the Florida Building Code
 Date: 02/16/05
 NDAN: 04/0521/01
 Miami Dade Product Control Division
 By: [Signature]

[Signature]
 11-9-05

MID HEIGHT TUBE REQUIRED

MAT. TYPE	DESIGN PRESSURE RATING	
	POS. (PSF.)	NEG. (PSF.)
GALVANNEAL	109	72
STAINLESS STEEL	109	109

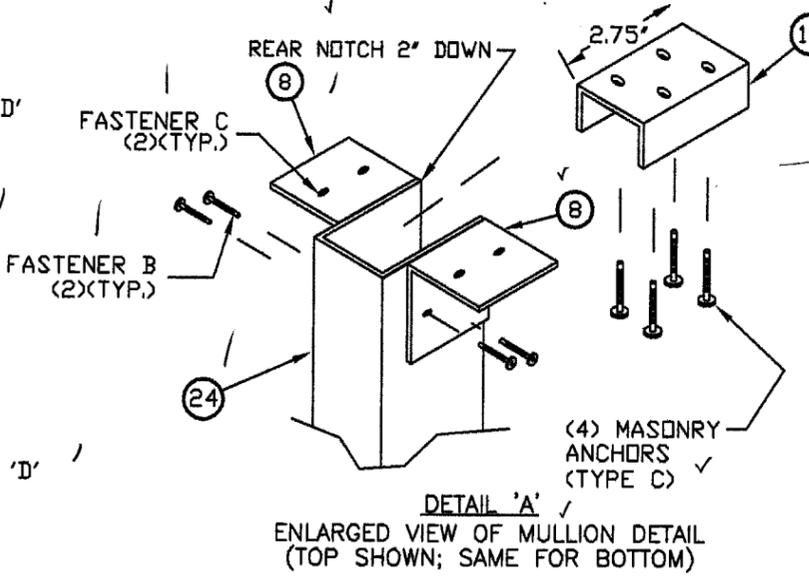
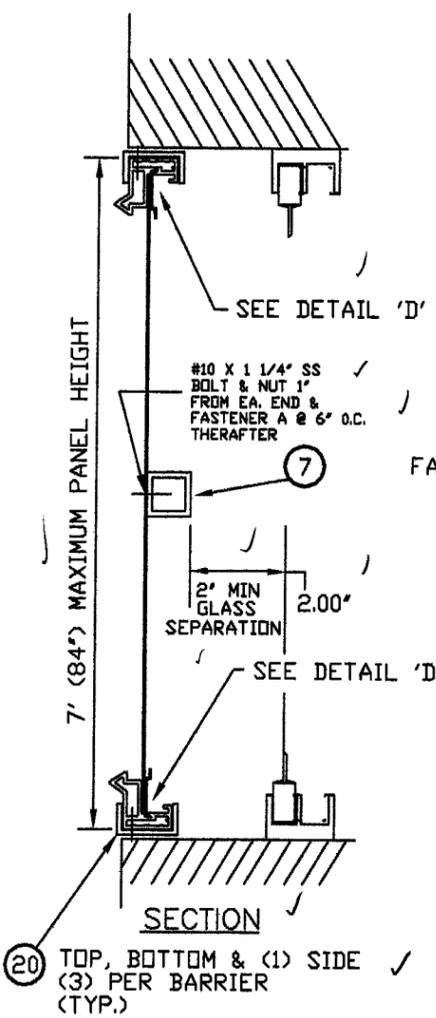
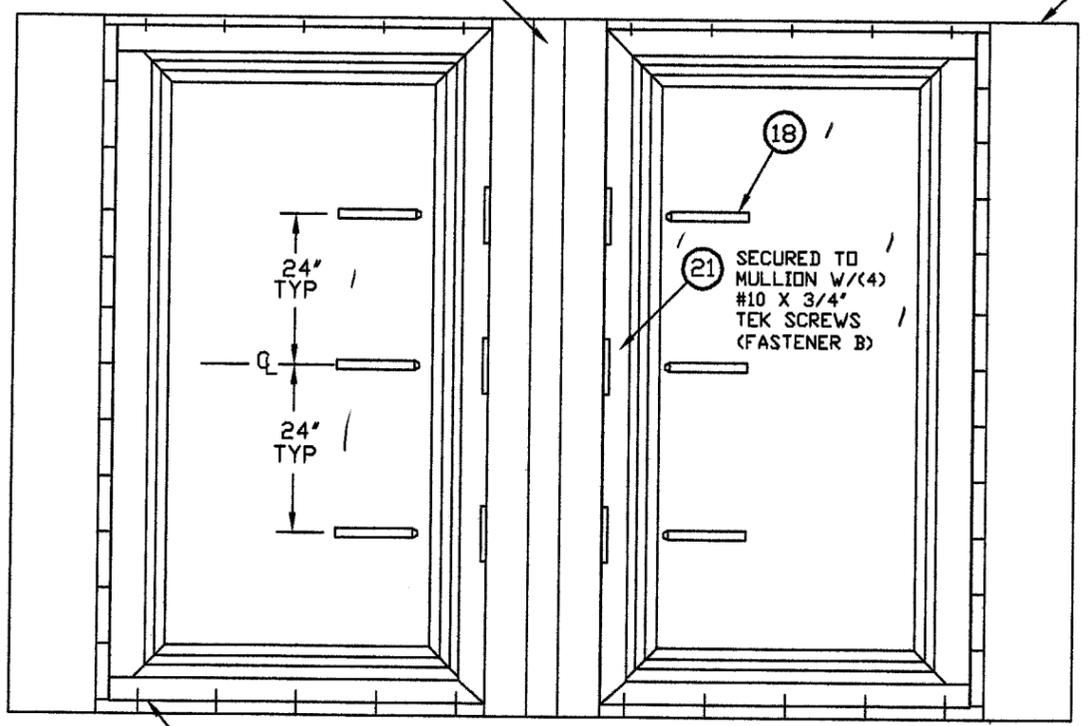
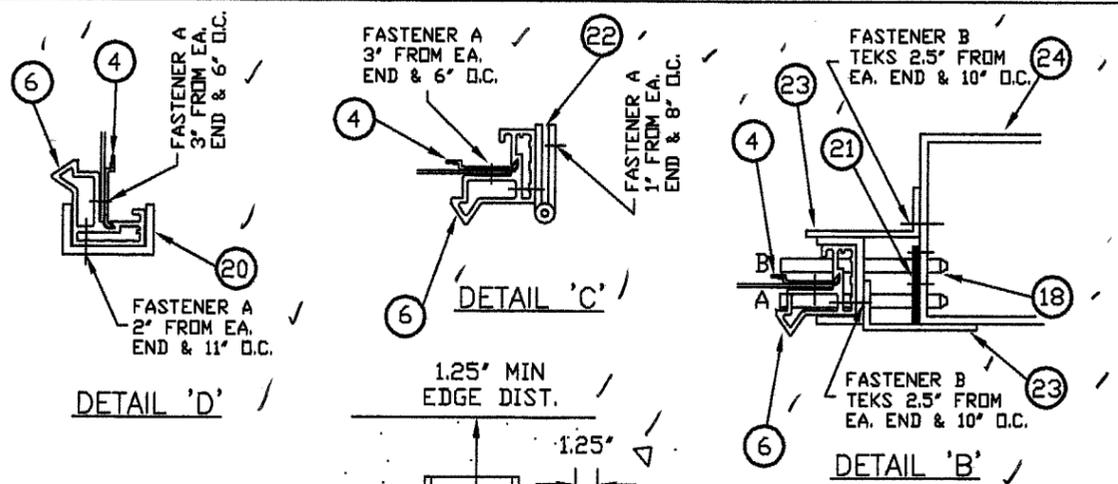
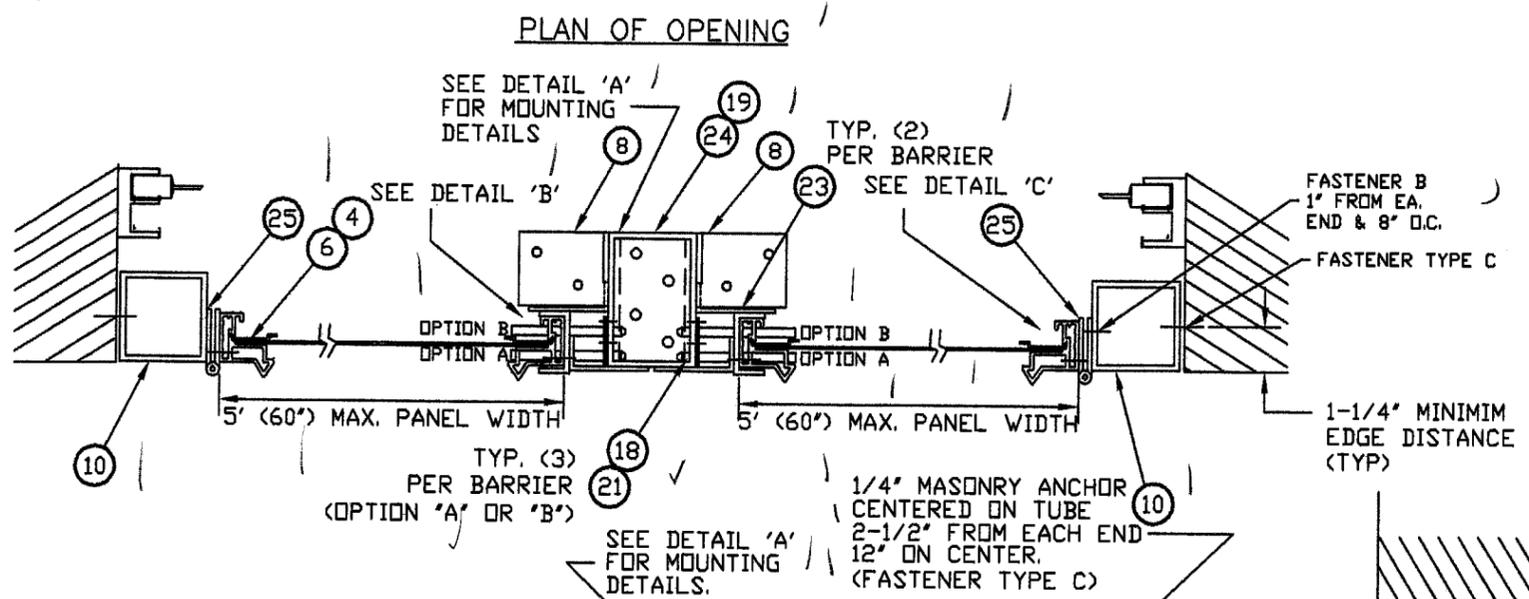
- NOTES:**
- ITEM # 18, 1/4" X 2.63" SECURING PIN (MIN) S/S THREE SECURING PINS ON SIDE OPPOSITE CONTINUOUS HINGE.
 - FASTENER TYPE A: #10 X 5/8" SS TEK SCREW
 - FASTENER TYPE B: #10 X 3/4" SS TEK SCREW
 - FASTENER TYPE C: 1/4" X 1 3/4" ELCO TAPCON WITH 1.25" MINIMUM EMBEDMENT IN HOLLOW BLOCK. FASTENERS SPACED 2.5" FROM EACH END AND 8" O.C. THEREAFTER.
 - UNITS LESS THAN 30' IN HEIGHT SHALL SPLIT VERTICAL SECURING PIN LOCATIONS AT THE QUARTER POINTS.
 - UNITS CAN BE MOUNTED AS SINGLE BARRIER.

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

TITLE/CUSTOMER
DETAILS FOR STORM SHIELD HURRICANE BARRIER
5' X 7' SIDE HINGED (FACE MOUNT)

SCALE: NTS		DRAWN BY: RBM
DATE: 8/17/04		REVISED REV 3 10/04/05
242 W. 8TH ST. WYOMING PA 18644		800-972-2478 FAX (570) 693-2575
PRODUCT CONTROL CODE:	DRAWING NO. SSHB-E	
PAGE 4 OF 12		



Approved as complying with the Florida Building Code
 Date: 02/16/06
 NOAR: 04103/2101
 Miami Code Product Control Division
 By: [Signature]

[Signature]
 11-9-05

MID HEIGHT TUBE REQUIRED

MAT. TYPE	DESIGN PRESSURE RATING	
	POS. (PSF.)	NEG. (PSF.)
GALVANNEAL	109	72
STAINLESS STEEL	109	109

- NOTES:**
- ITEM # 18, 1/4" X 2.63" SECURING PIN (MIN) S/S THREE SECURING PINS ON SIDE OPPOSITE CONTINUOUS HINGE.
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 - FASTENER TYPE C: 1/4" X 1 3/4" ELCD TAPCON WITH 1.25" MINIMUM EMBEDMENT IN HOLLOW BLOCK, FASTENERS SPACED 2.5" FROM EACH END AND 12" O.C. THEREAFTER.
 - UNITS LESS THAN 30" IN HEIGHT SHALL SPLIT VERTICAL SECURING PIN LOCATIONS AT THE QUARTER POINTS.
 - UNITS CAN BE MOUNTED AS SINGLE BARRIER.

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

TITLE/CUSTOMER
**DETAILS FOR STORM SHIELD HURRICANE BARRIER
 5' X 7' SIDE HINGED (INSET MOUNT)**

SCALE: NTS

DATE: 8/17/04

WWW.STORMSHIELD.NET

DRAWN BY: RBM

REVISED REV 3 10/04/05

EXETER
 ARCHITECTURAL PRODUCTS

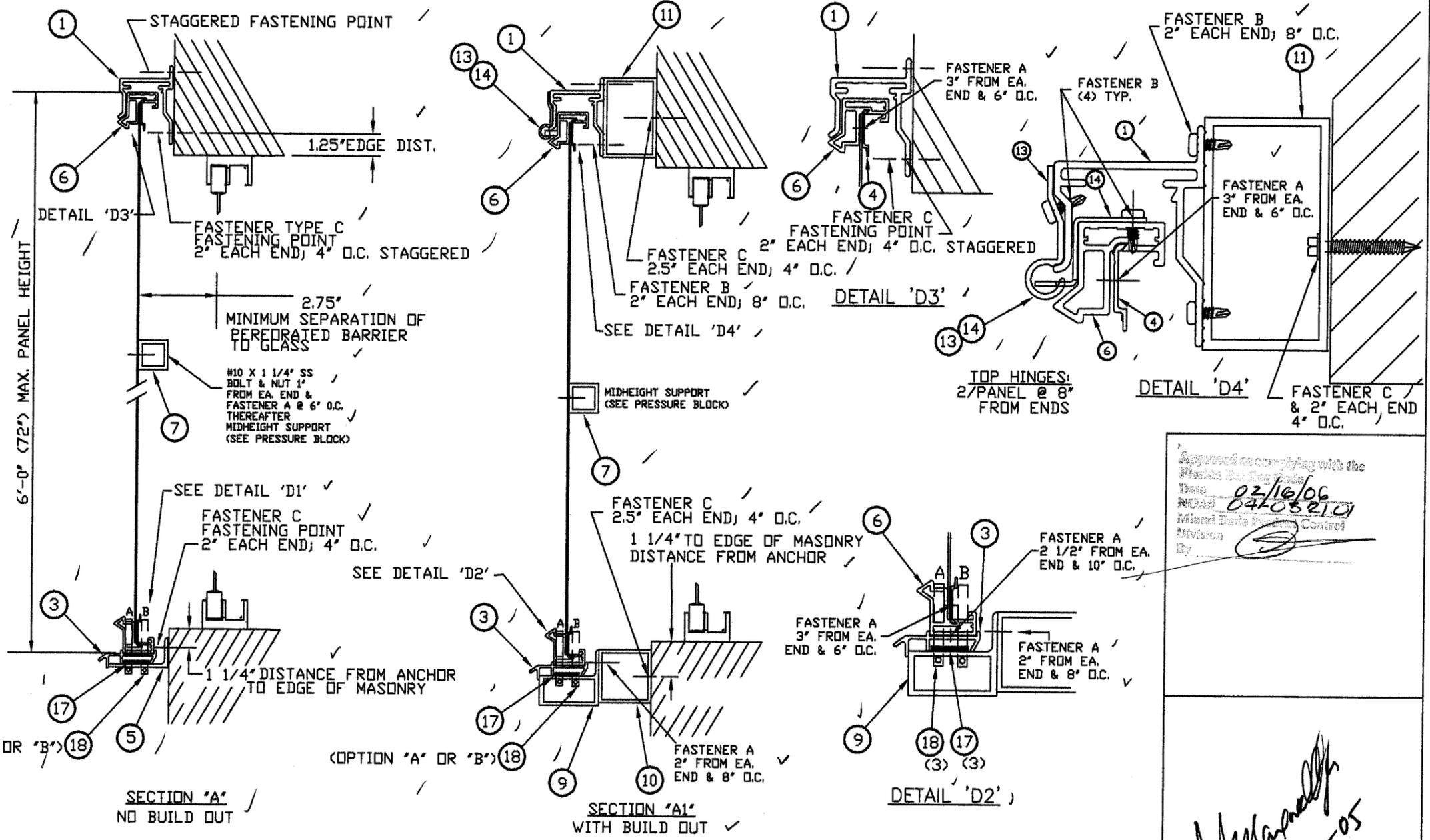
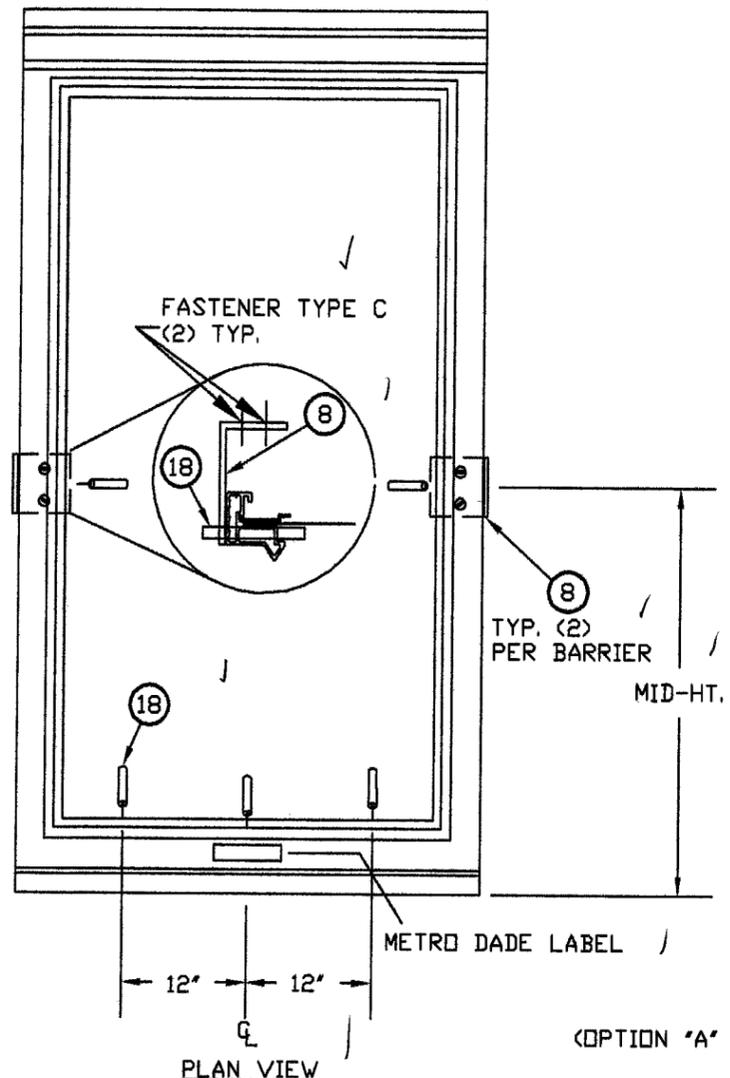
242 W. 8TH ST.
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PRODUCT CONTROL CODE: DRAWING NO. SSHB-E

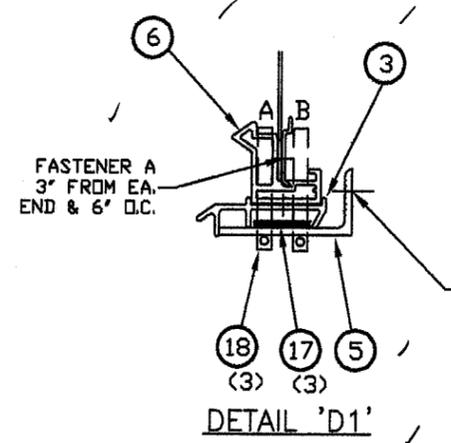
PAGE 5 OF 12

NOTE: PERF NOT SHOWN FOR CLARITY
 4' - 0" MAX. PANEL WIDTH



Approved as complying with the Florida Building Code
 Date: 02/16/06
 No. 04105210
 Miami Date System Control
 Division
 By: [Signature]
 11-9-05

MID SUPPORT	MAT. TYPE	DESIGN PRESSURE RATING	
		POS. (PSF.)	NEG. (PSF.)
NO	GALVANEALD	145.0	145.0
YES	STAINLESS STEEL	182.0	182.0



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

- NOTES:
- SECTION 'A' IS STANDARD LAYOUT, WHILE SECTION 'A1' SHOWS OPTIONAL FEATURES.
 - FASTENER TYPE A: #10 X 5/8" SS TEK SCREW
 - FASTENER TYPE B: #10 X 3/4" SS TEK SCREW
 - FASTENER TYPE C: 1/4" X 1 3/4" ELCO TAPCON WITH 1.25" MINIMUM EMBEDMENT IN HOLLOW BLOCK. FASTENERS SPACED 2.5" FROM EACH END AND 4" O.C. THEREAFTER.
 - SEE PAGE 11 & 12 FOR EXTRUSION DETAILS

TITLE/CUSTOMER: TYPICAL DETAILS FOR STORM SHIELD H. BARRIER
 "READY MOUNT UNITS"
 4' X 6' ENHANCED SINGLE (FACE MOUNT)

SCALE: NTS
 DATE: 8/17/04

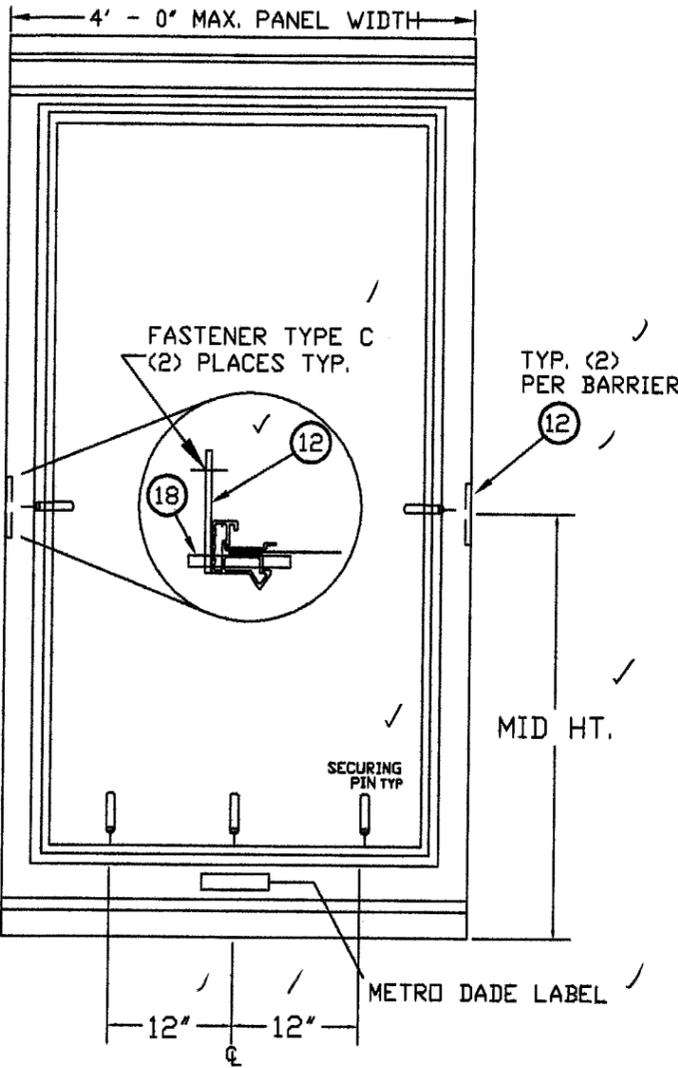
WWW.STORMSHIELD.NET
EXETER
 ARCHITECTURAL PRODUCTS

DRAWN BY: RBM
 REVISED: REV 3 10/04/05

242 W. 8TH ST.
 WYOMING PA 18644
 800-972-2478
 FAX (570) 693-2575

PRODUCT CONTROL CODE:
 DRAWING NO. SSHB-E
 PAGE 6 OF 12

NOTE: PERF NOT SHOWN FOR CLARITY

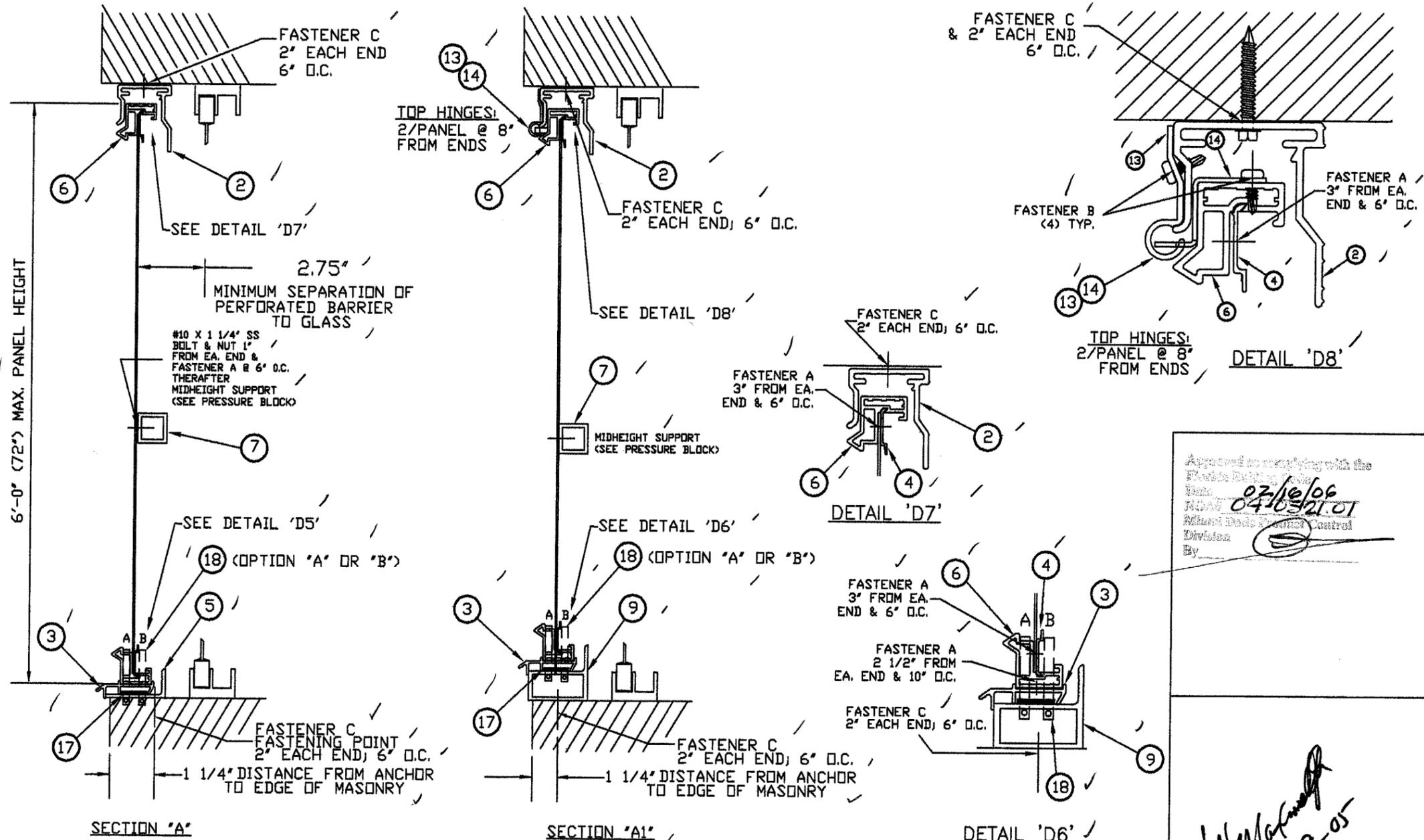


PLAN VIEW

MID SUPP MAT. TYPE	DESIGN PRESSURE RATING	POS. (PSF.)	NEG. (PSF.)
NO GALVANNEAL		145.0	145.0
YES STAINLESS STEEL		182.0	182.0

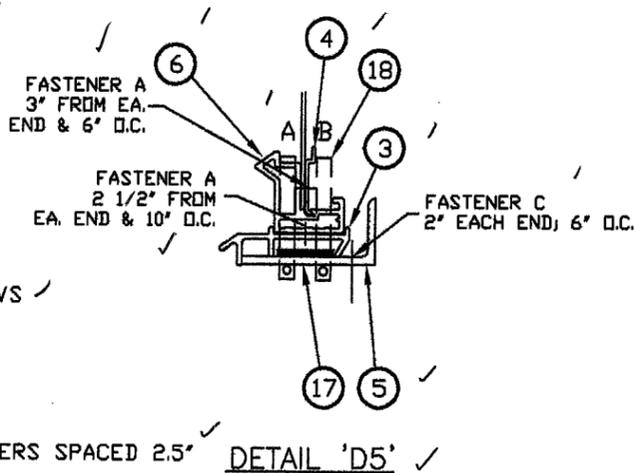
NOTES:

- SECTION "A" IS STANDARD LAYOUT, WHILE SECTION "A1" SHOWS OPTIONAL FEATURES.
- FASTENER TYPE A: #10 X 5/8" SS TEK SCREW
- FASTENER TYPE B: #10 X 3/4" SS TEK SCREW
- FASTENER TYPE C: 1/4"Ø X 1 3/4" ELCD TAPCON WITH 1.25" MINIMUM EMBEDMENT IN HOLLOW BLOCK. FASTENERS SPACED 2.5"
- SEE PAGE 11 & 12 FOR EXTRUSION DETAILS



SECTION "A"

SECTION "A1"



DETAIL "D5"

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

Approved as complying with the Florida Building Code
 Date: 02/16/06
 MDA: 041632101
 Michael Deas (Professional Control Division)
 By: [Signature]
 11-9-05

TITLE/CUSTOMER: TYPICAL DETAILS FOR STORM SHIELD H. BARRIER "READY MOUNT UNITS" 4' X 6' ENHANCED SINGLE (INSET MOUNT)

SCALE: NTS

DATE: 8/17/04

WWW.STORMSHIELD.NET

DRAWN BY: RBM

REVISED: REV 3 10/04/05

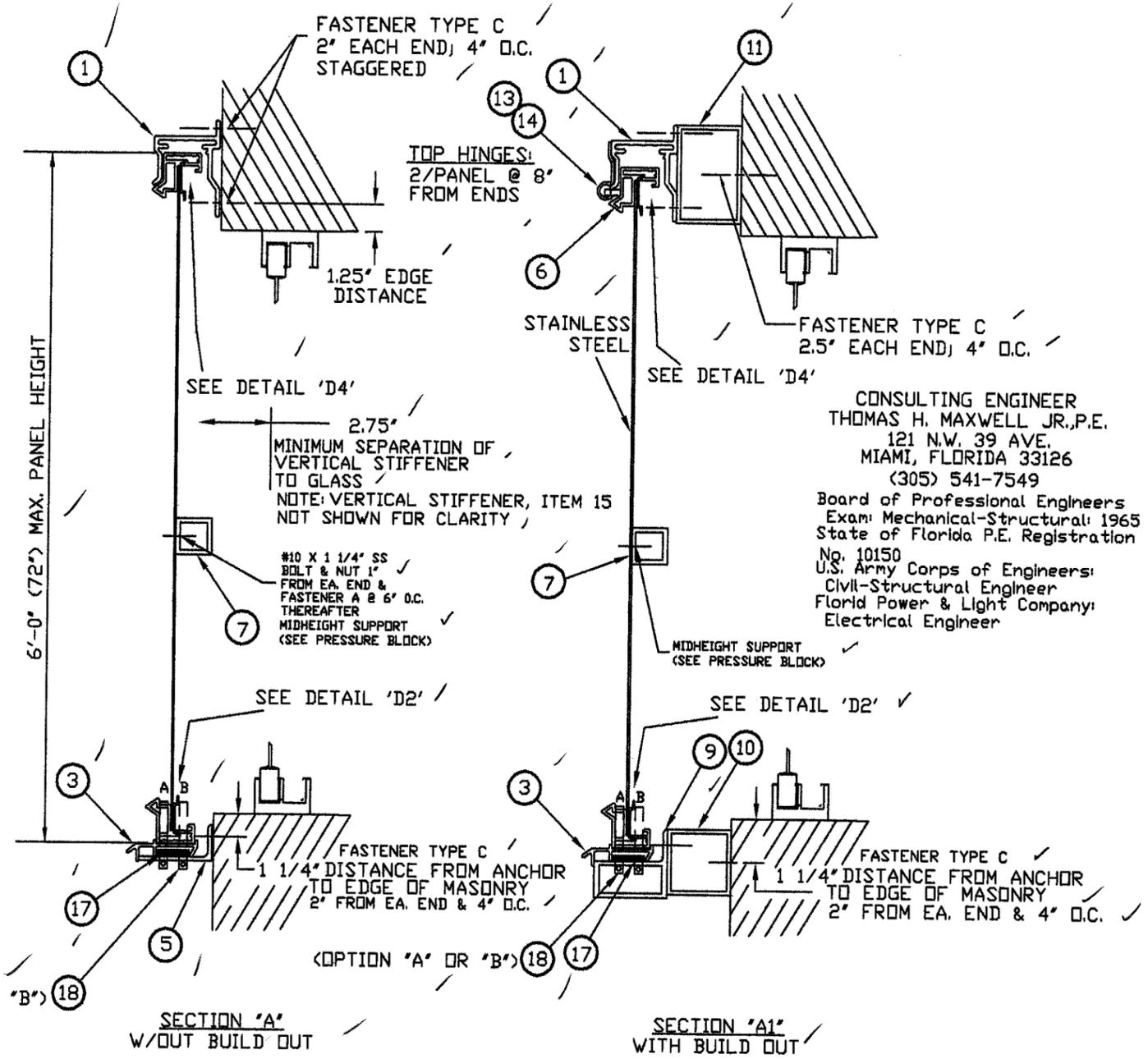
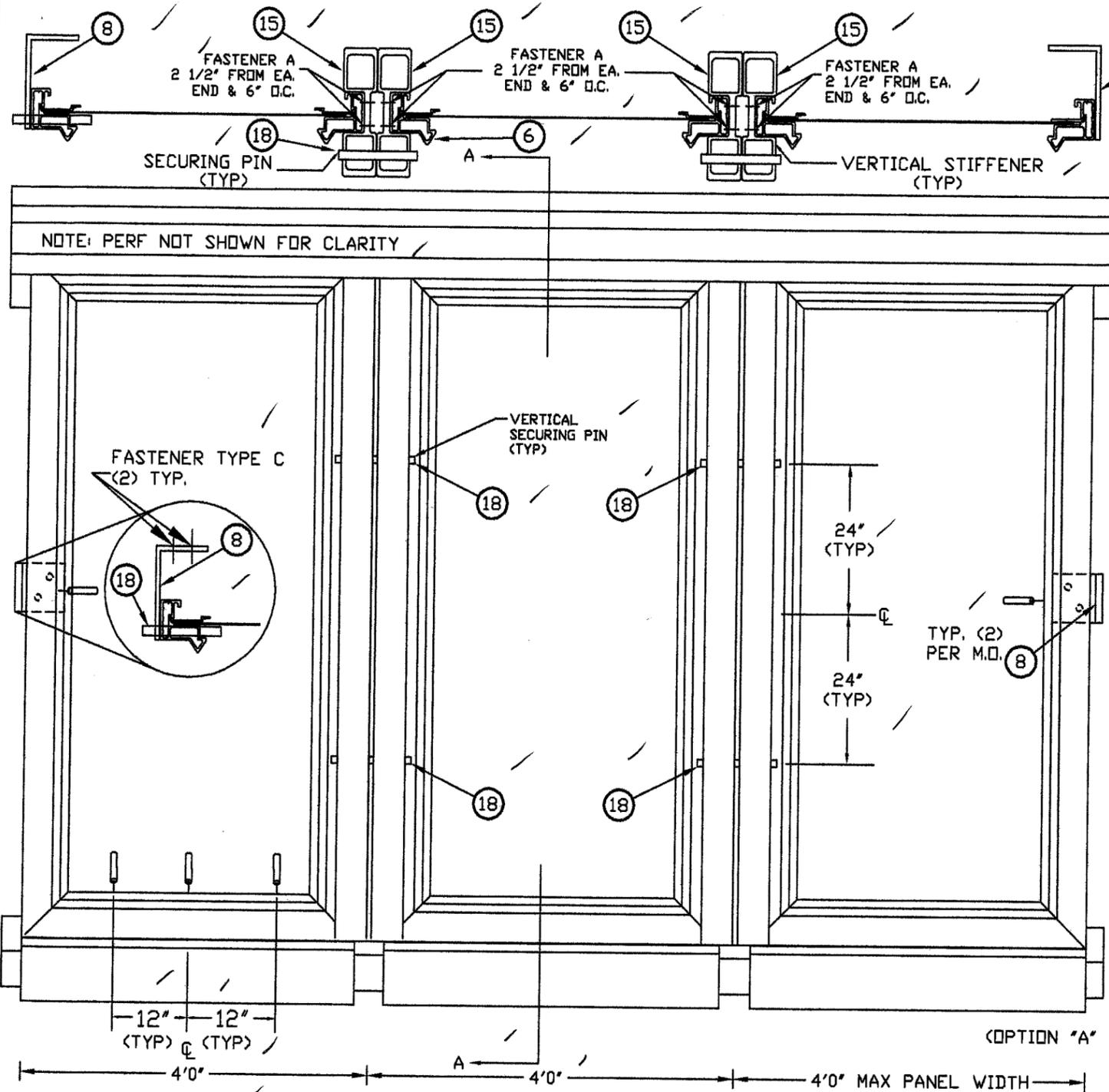
242 W. 8TH ST. WYOMING PA 18644

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PRODUCT CONTROL CODE:

DRAWING NO. SSHB-E

PAGE 7 OF 12



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 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

MID SUPP	MAT. TYPE	DESIGN PRESSURE RATING	
		POS. (PSF.)	NEG. (PSF.)
NO	GALVANNEAL	163.0	163.0
NO	STAINLESS STEEL w/o MIDHEIGHT BAR	163.0	163.0
YES	STAINLESS STEEL with MIDHEIGHT BAR	191.0	191.0

- NOTES:**
- SECTION 'A' IS STANDARD LAYOUT, WHILE SECTION 'A1' SHOWS OPTIONAL FEATURES.
 - FASTENER TYPE A: #10 X 5/8" SS TEK SCREW ✓
 - FASTENER TYPE B: #10 X 3/4" SS TEK SCREW ✓
 - FASTENER TYPE C: 1/4" X 1 3/4" ELCO TAPCON WITH 1.25" MINIMUM EMBEDMENT IN HOLLOW BLOCK. FASTENERS SPACED 2.5" FROM EACH END AND 4" O.C. THEREAFTER. ✓
 - SEE PAGE 11 & 12 FOR EXTRUSION DETAILS ✓

Approved as complying with the Florida Building Code
 Date: 02/16/06
 By: [Signature]
 Florida State Product Control Division

[Signature]
 11-9-05

TITLE/CUSTOMER: TYPICAL DETAILS FOR STORM SHIELD H. BARRIED "READY MOUNT UNITS" 4' X 6' ENHANCED TRIPLE (FACE MOUNT)

SCALE: NTS

DATE: 8/17/04

WWW.STORMSHIELD.NET

DRAWN BY: RBM

REVISED: REV 3 10/04/05

242 W. 8TH ST. WYDING PA 18644

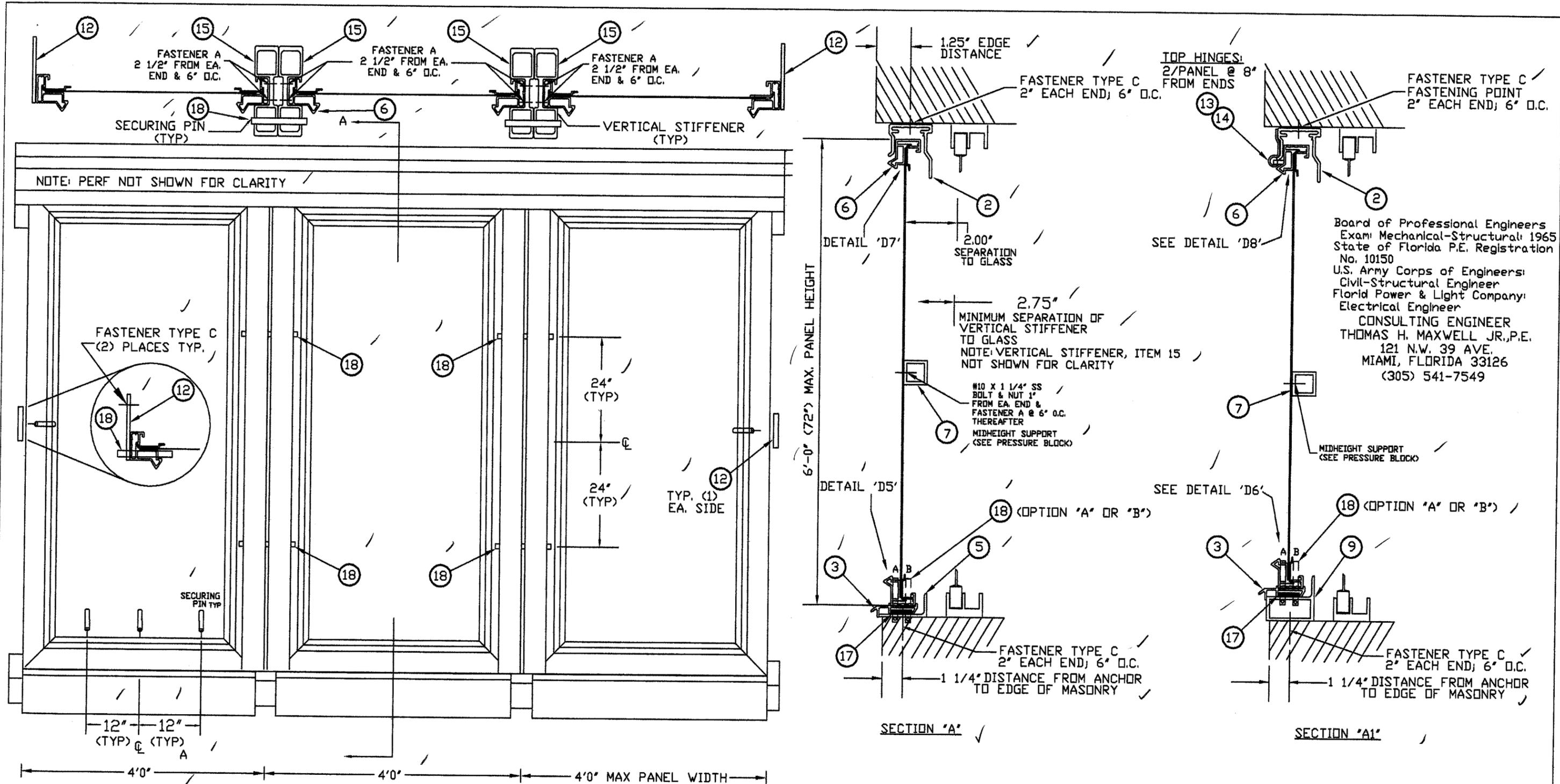
800-972-2478 FAX (570) 693-2575

PRODUCT CONTROL CODE:

DRAWING NO. SSHB-E

PAGE 8 OF 12





Board of Professional Engineers
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 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

MID SUPP	MAT. TYPE	DESIGN PRESSURE RATING	
		POS. (PSF.)	NEG. (PSF.)
NO	GALVANNEAL	163.0	163.0
NO	STAINLESS STEEL w/o MIDHEIGHT BAR	163.0	163.0
YES	STAINLESS STEEL with MIDHEIGHT BAR	191.0	191.0

- NOTES:**
- SECTION "A" IS STANDARD LAYOUT, WHILE SECTION "A1" SHOWS OPTIONAL FEATURES.
 - FASTENER TYPE A: #10 X 5/8" SS TEK SCREW
 - FASTENER TYPE B: #10 X 3/4" SS TEK SCREW
 - FASTENER TYPE C: 1/4" X 1 3/4" ELCO TAPCON WITH 1.25" MINIMUM EMBEDMENT IN HOLLOW BLOCK. FASTENERS SPACED 2.5"
 - SEE PAGE 11 & 12 FOR EXTRUSION DETAILS

Approved to comply with the
 Florida Building Code
 Date: 04-05-2010
 Without State Product Control
 Division
 By: *[Signature]*
 (1-9-05)

TITLE/CUSTOMER: TYPICAL DETAILS FOR STORM SHIELD H. BARRIED "READY MOUNT UNITS" 4' X 6' ENHANCED TRIPLE (INSET MOUNT)

SCALE: NTS

DATE: 8/17/04

WWW.STORMSHIELD.NET

EXETER ARCHITECTURAL PRODUCTS

242 W. 8TH ST. WYOMING PA 18644

800-972-2478 FAX (570) 693-2575

DRAWN BY: RBM

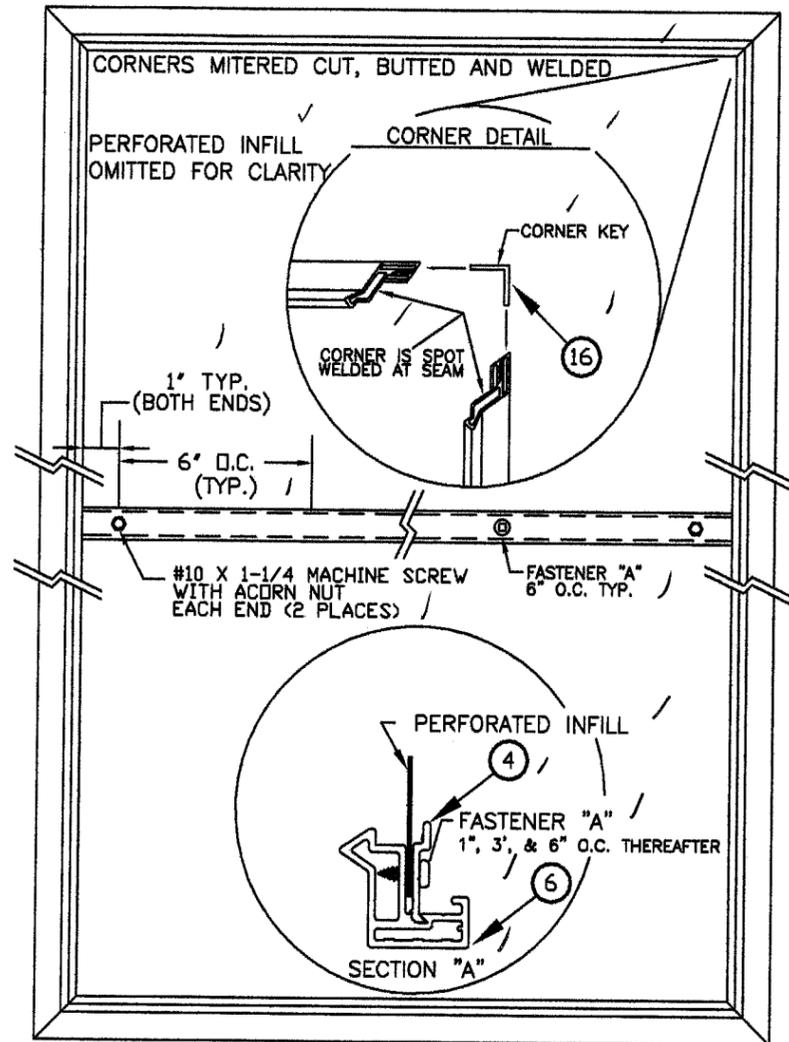
REVISED REV 3 10/04/05

PRODUCT CONTROL CODE:

DRAWING NO. SSHB-E

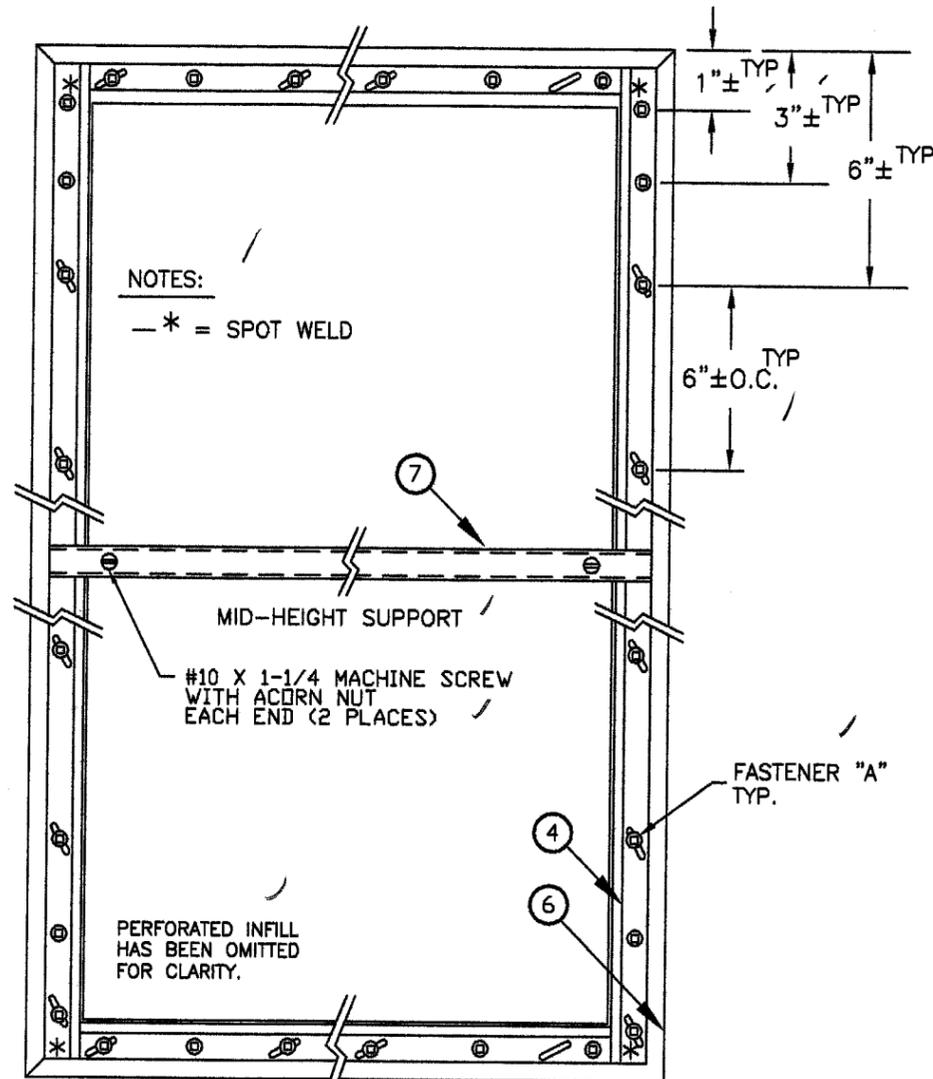
PAGE 9 OF 12

HURRICANE BARRIER SUBFRAME ASSEMBLY DETAILS



PANEL FRONT

FRONT



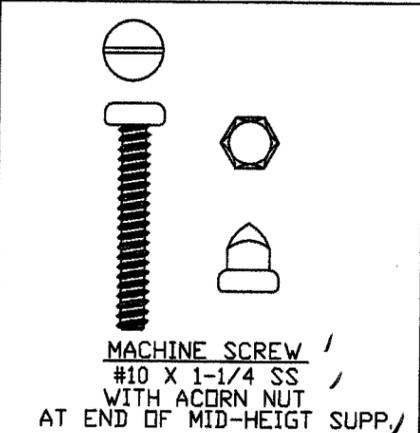
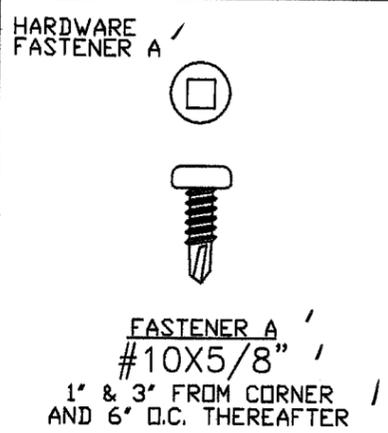
PANEL REAR

1 X 1 X 1/8 MIDHEIGHT SUPPORT: REQUIRED AS SHOWN ON OTHER DRAWINGS

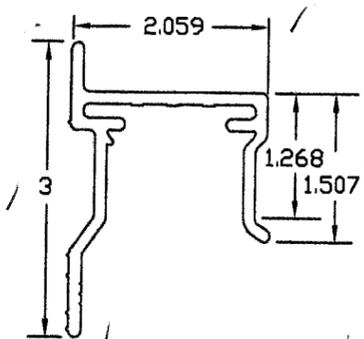
CONSULTING ENGINEER
 THOMAS H. MAXWELL JR., P.E.
 121 N.W. 39 AVE.
 MIAMI, FLORIDA 33126
 (305) 541-7549
 Board of Professional Engineers
 Exam: Mechanical-Structural; 1965
 State of Florida P.E. Registration
 No. 10150
 U.S. Army Corps of Engineers;
 Civil-Structural Engineer
 Florida Power & Light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

Approved as complying with the
 Florida Building Code
 Date: 02/16/05
 NDAN 046-032101
 Miami Code Product Control
 Division
 By: *[Signature]*

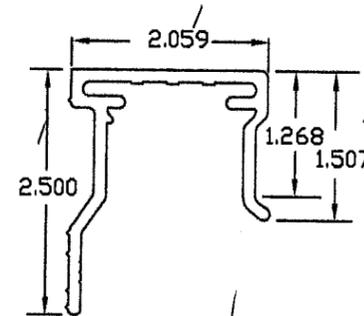
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 1-9-05



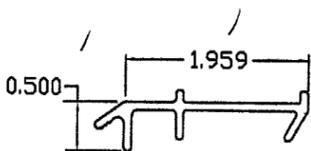
TITLE/CUSTOMER SS HURRICANE BARRIER SUBFRAME ASSEMBLY DETAILS 5' X 7' SIDE HINGED, 4' X 6' ENHANCED, 4' X 6' SIDE-HINGE UNITS		DRAWN BY: RBM	
SCALE: NTS	WWW.STORMSHIELD.NET	REVISED REV 3 10/04/05	
DATE: 8/17/04		800-972-2478 FAX (570) 693-2575	
242 W. 8TH ST. WYOMING PA 18644		DRAWING NO. SSHB-E	
PRODUCT CONTROL CODE:		PAGE 10 OF 12	



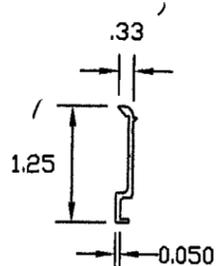
① **FACE MOUNT HEADER**
TYP. WALL .095
6063 T5 ALLOY



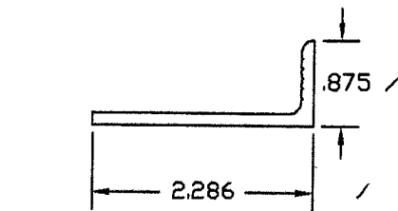
② **INSET MOUNT HEADER**
TYP. WALL .095
6063 T5 ALLOY



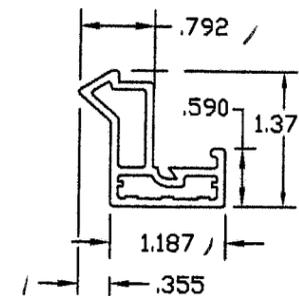
③ **BARRIER BRACKET**
TYP. WALL .080
6063 T5 ALLOY



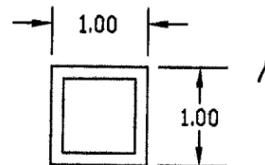
④ **BARRIER RAIL**
TYP. WALL 0.050
6063 T5 ALLOY



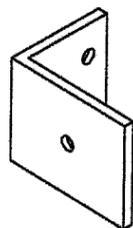
⑤ **SILL BRACKET**
TYP. WALL .125
6063 T5 ALLOY



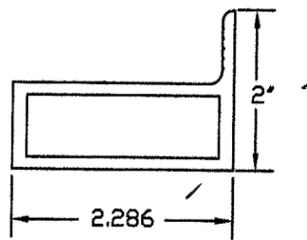
⑥ **SURROUND FRAME**
TYP. WALL .080
6063 T6 ALLOY



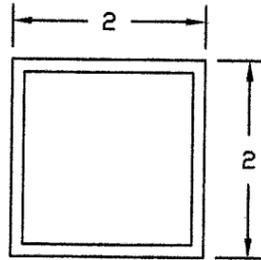
⑦ **MID-HEIGHT SUPPORT TUBE**
TYP. WALL .125
6063 T5 ALLOY



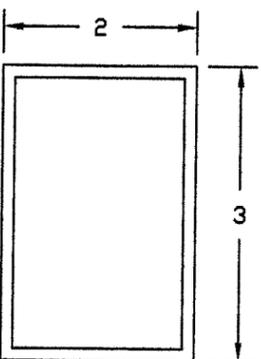
⑧ **MID-HEIGHT SUPPORT ANGLE**
2 X 1.5 X .125 X 2 ANGLE
OPTIONAL 2.000 X 1.500
X .125 FULL PANEL HEIGHT
6063 T5 ALLOY



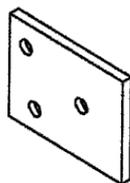
⑨ **SECURITY SILL BRACKET**
TYP. WALL .125
6063 T5 ALLOY



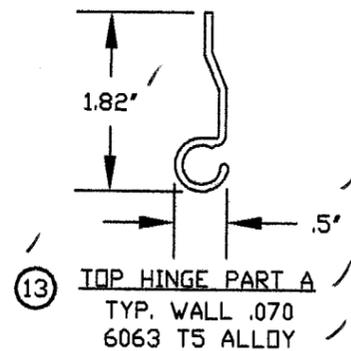
⑩ **BUILD-OUT TUBE**
2.000" X 2.000"
X .125" TUBE
6063 T5 ALLOY



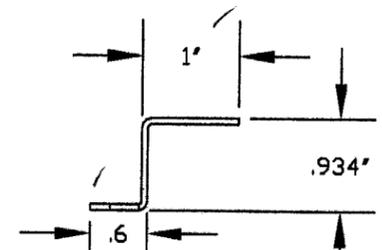
⑪ **BUILD-OUT TUBE**
2.000" X 3.000"
X .125" TUBE
6063 T5 ALLOY



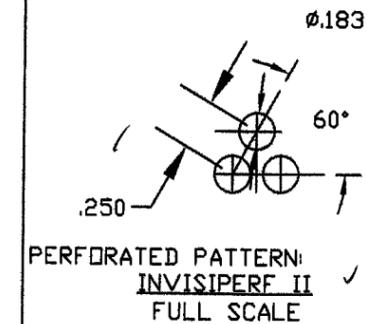
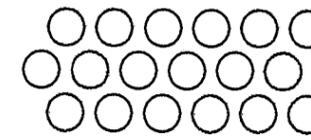
⑫ **MID-HEIGHT SUPPORT FLAT**
ALUMINUM FLAT
2.000 X 3.000 X .125
6063 T5 ALLOY



⑬ **TOP HINGE PART A**
TYP. WALL .070
6063 T5 ALLOY



⑭ **TOP HINGE PART B**
TYP. WALL 13 GA.
STAINLESS STEEL



PERFORATED PATTERN:
INVISIPERF II
FULL SCALE

MATERIAL:
.079" (NOMINAL THICKNESS)
GALVANNEAL STEEL
STRUCTURAL QUALITY GRADE
33 WITH A60 GALVANNEAL
COATING PER ASTM A653
FINISHED WITH POLYESTER
POWDER COAT.
.0705" (MIN. THICKNESS)

OPTIONAL MATERIAL:
.075" (NOMINAL THICKNESS)
STAINLESS STEEL
300 SERIES PREPARED USING
ASTM A240 SPECIFICATION.
FINISHED WITH WEATHER
RESISTANT, HIGH PERFORMANCE
ELECTRO-STATIC APPLIED
COATING.
.0711" (MIN. THICKNESS)

NOTE: CENTERLINE OF FASTENERS
IS INDICATED ON THE INDIVIDUAL
UNIT DRAWINGS

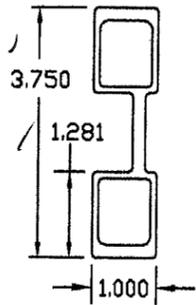
CONSULTING ENGINEER
THOMAS H. MAXWELL JR., P.E.
121 N.W. 39 AVE.
MIAMI, FLORIDA 33126
(305) 541-7549

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

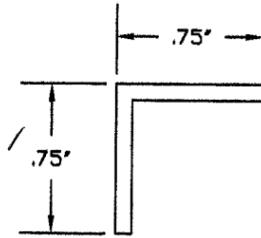
Approved as complying with the
Florida Building Code
Date: 02/16/05
NOAH 041052101
Miami Dade Building Control
Division
By: [Signature]

[Signature]
02-9-05

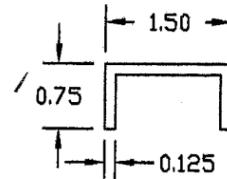
TITLE/CUSTOMER TYPICAL EXTRUSION DETAILS FOR STORM SHIELD 4-B READY MOUNT 4' X 6' ENHANCED UNITS			
SCALE: NTS	WWW.STORMSHIELD.NET	DRAWN BY: RBM	
DATE: 8/17/04		REVISED REV 3 10/04/05	
242 W. 8TH ST. WYOMING PA 18644		800-972-2478 FAX (570) 693-2575	
PRODUCT CONTROL CODE:	DRAWING NO. S5HB-E		PAGE 11 OF 12



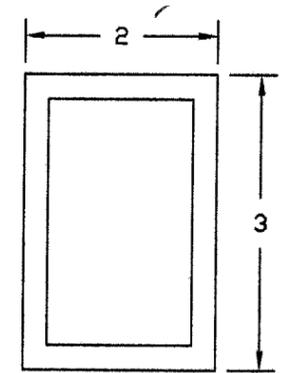
15 VERTICAL STIFFENER
TYP. WALL = .0938
6105-T5 ALLOY
"DOUBLE HOLLOW"



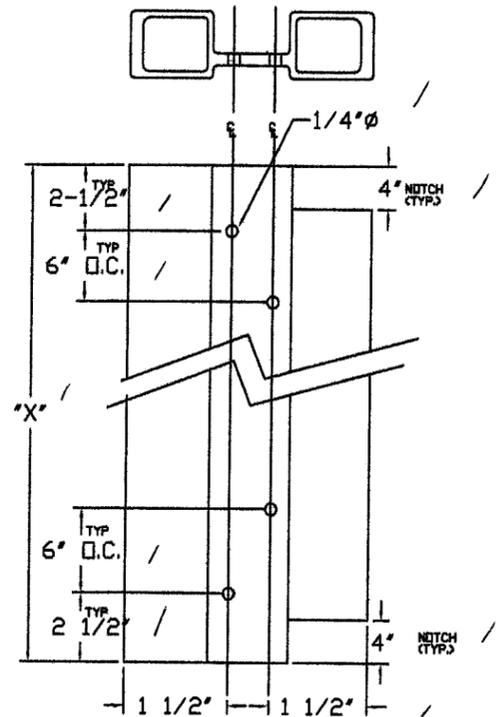
16 CORNER KEY
TYP. WALL = .095
6063 T5 ALLOY
(INTERNAL PART)



20 STIFFENING CHANNEL
(FOR SUBFRAME)
TYP. WALL .125
6063 T5 ALLOY

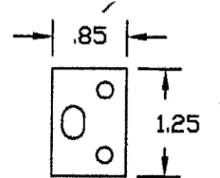


24 BUILD-OUT TUBE
2.000" X 3.000"
X 0.250" TUBE
6061 T6 ALLOY

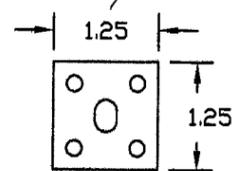


NOTE: SPACING BETWEEN LAST TWO FASTENER HOLES WILL VARY IN THE MIDDLE OF THE EXTRUSION

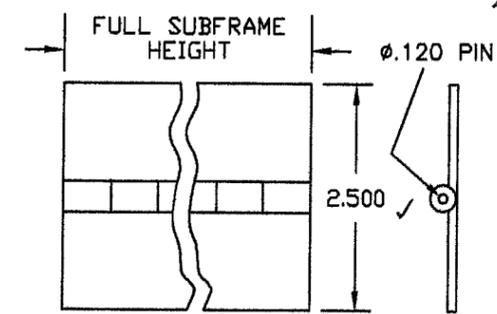
FACE/INSET READY MOUNT
VERTICAL STIFFENER HOLE LOCATIONS
TYP. WALL .0938
6105 T5 ALLOY



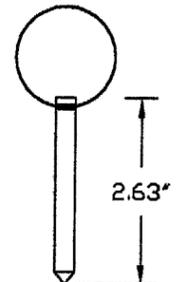
17 PIN REINFORCEMENT - SILL
(REQUIRED AT SILL ONLY)
TYP. THK. .079
304 STAINLESS STEEL
"PIN LOCATOR"
(REQUIRED FOR LEVEL "E" PROTECTION ONLY)



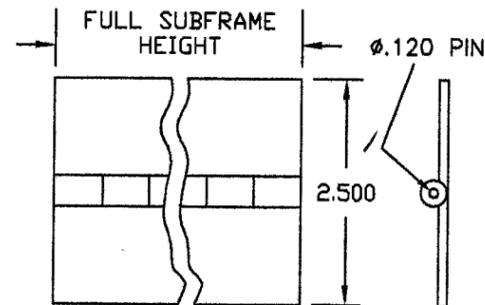
21 PIN REINFORCEMENT
TYP. THK. .079
(REQUIRED FOR LEVEL "E" PROTECTION ONLY)
304 STAINLESS STEEL
"PIN LOCATOR"



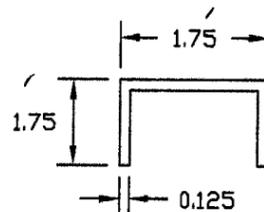
25 CONTINUOUS HINGE
.075" THK. 304 STAINLESS STEEL



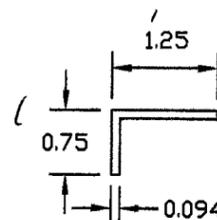
18 SECURING PIN
TYP. DIA. .25"
304 STAINLESS STEEL



22 CONTINUOUS HINGE
.075" THK. ALUM.



19 CHANNEL
(TUBE MOUNTING)
TYP. WALL .125
6063 T5 ALLOY



23 STOP ANGLE
TYP. WALL 0.094
6063 T5 ALLOY

CONSULTING ENGINEER
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Exam: Mechanical-Structural: 1965
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Florida Power & Light Company:
Electrical Engineer

Approved as complying with the
Florida Building Code
Date: 02/16/06
RBM: 04285210
Division: Product Control
By: [Signature]

[Signature]
11-9-05

TITLE/CUSTOMER TYPICAL EXTRUSION DETAILS FOR STORM SHIELD H.B READY MOUNT 4' X 6' ENHANCED UNITS (CONT'D)	
SCALE: NTS	WWW.STORMSHIELD.NET
DATE: 8/17/04	DRAWN BY: RBM
REVISED REV 3 10/04/05	
242 W. 8TH ST. WYOMING PA 18644	
800-972-2478 FAX (570) 693-2575	
PRODUCT CONTROL CODE:	DRAWING NO. SSHB-E
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