



**BUILDING CODE COMPLIANCE OFFICE (BCCO)  
PRODUCT CONTROL DIVISION**

**MIAMI-DADE COUNTY, FLORIDA  
METRO-DADE FLAGLER BUILDING**

**140 WEST FLAGLER STREET, SUITE 1603  
MIAMI, FLORIDA 33130-1563  
(305) 375-2901 FAX (305) 375-2908**

**NOTICE OF ACCEPTANCE (NOA)**

[www.miamidade.gov](http://www.miamidade.gov)

**Fort Hurricane Products  
5401 East Avenue, Unit B  
West Palm Beach, Florida 33407**

**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: 28FX / Impact Resistant Window Screen**

**APPROVAL DOCUMENT:** Drawing No. HSS0011, titled " 28FX / Impact Screen", sheets 1 through 5 of 5, prepared by PTC Engineering, Inc., dated July 16, 2010, signed and sealed by Robert J. Amoruso, P.E., on July 19, 2010 bearing the Miami-Dade County Product Control Revision stamp with the Notice of Acceptance number and the expiration date by the Miami-Dade County Product Control Division.

**MISSILE IMPACT RATING: Large and Small Missile Impact Resistant**

**LABELING:** Each unit shall bear a permanent label with the manufacturer's name or logo, city, state and the following statement: "Miami-Dade County Product Control Approved", unless otherwise noted herein.

**RENEWAL** of this NOA shall be considered after a renewal application has been filed and there has been no change in the applicable building code negatively affecting the performance of this product.

**TERMINATION** of this NOA will occur after the expiration date or if there has been a revision or change in the materials, use, and/or manufacture of the product or process. Misuse of this NOA as an endorsement of any product, for sales, advertising or any other purposes shall automatically terminate this NOA. Failure to comply with any section of this NOA shall be cause for termination and removal of NOA.

**ADVERTISEMENT:** The NOA number preceded by the words Miami-Dade County, Florida, and followed by the expiration date may be displayed in advertising literature. If any portion of the NOA is displayed, then it shall be done in its entirety.

**INSPECTION:** A copy of this entire NOA shall be provided to the user by the manufacturer or its distributors and shall be available for inspection at the job site at the request of the Building Official.

This NOA **renews NOA #07-0927.01** and consists of this page 1, evidence submitted pages E-1 & E-2 as well as approval document mentioned above.

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



*Helmy A. Makar*  
09/29/2010

**NOA No. 10-0810.03  
Expiration Date: 09/22/2015  
Approval Date: 09/29/2010**

**Fort Hurricane Products**

**NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED**

**1. EVIDENCE SUBMITTED UNDER PREVIOUS APPROVAL # 05-0520.01**

**A. DRAWINGS**

1. *Drawing No. HSS0002, titled " 28FX / Impact Screen ", sheets 1 through 5 of 5, prepared by PTC Engineering, Inc., dated April 20, 2005, last revision #A dated August 17, 2005, signed and sealed by L. Roberto Lomas, P.E.*

**B. TESTS**

1. *Test report on Large Missile Impact Test, Cyclic Wind Pressure Test and Uniform Static Air Pressure Test on " Impact Screen Window ", prepared by Certified Testing Laboratories, Report No. CTLA 1366W-1, dated April 5, 2005, signed and sealed by Ramesh Patel, P.E.*
2. *Revised and marked up drawings from test lab (Certified Testing Laboratories).*

**C. CALCULATIONS**

1. *Anchor calculations prepared by PTC Engineering, Inc., dated May 13, 2005, sheets 1 through 7 of 7, signed and sealed by L. Roberto Lomas, P.E.*
2. *Revised Anchor calculation prepared by PTC Engineering, Inc., dated August 15, 2005, sheets 1 through 7 of 7, signed and sealed by L. Roberto Lomas, P.E.*

**D. QUALITY ASSURANCE**

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

**E. MATERIAL CERTIFICATIONS**

1. *Die drawings.*

**2. EVIDENCE SUBMITTED UNDER PREVIOUS APPROVAL # 07-0927.01**

**A. DRAWINGS**

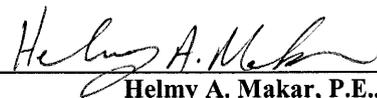
1. *Drawing No. HSS0011, titled " 28FX / Impact Screen ", sheets 1 through 5 of 5, prepared by PTC Engineering, Inc., dated July 16, 2010, signed and sealed by Robert J. Amoruso, P.E., on July 19, 2010.*

**B. TESTS**

1. *None.*

**C. CALCULATIONS**

1. *None.*



**Helmy A. Makar, P.E., M.S.**  
**Senior Product Control Examiner**  
**NOA No. 10-0810.03**  
**Expiration Date: 09/22/2015**  
**Approval Date: 09/29/2010**

**Fort Hurricane Products**

**NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED**

**D. QUALITY ASSURANCE**

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

**E. MATERIAL CERTIFICATIONS**

1. *None.*

**3. NEW EVIDENCE SUBMITTED**

**A. DRAWINGS**

1. *Drawing No. HSS0011, titled " 28FX / Impact Screen", sheets 1 through 5 of 5, prepared by PTC Engineering, Inc., dated July 16, 2010, signed and sealed by Robert J. Amoruso, P.E., on July 19, 2010.*

**B. TESTS**

1. *None.*

**C. CALCULATIONS**

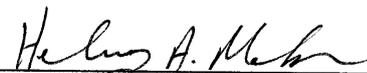
1. *Anchor calculations prepared by PTC Engineering, Inc., dated July 19, 2010, sheets 1 through 8 of 8, signed and sealed by Robert James Amoruso, P.E.*

**D. QUALITY ASSURANCE**

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

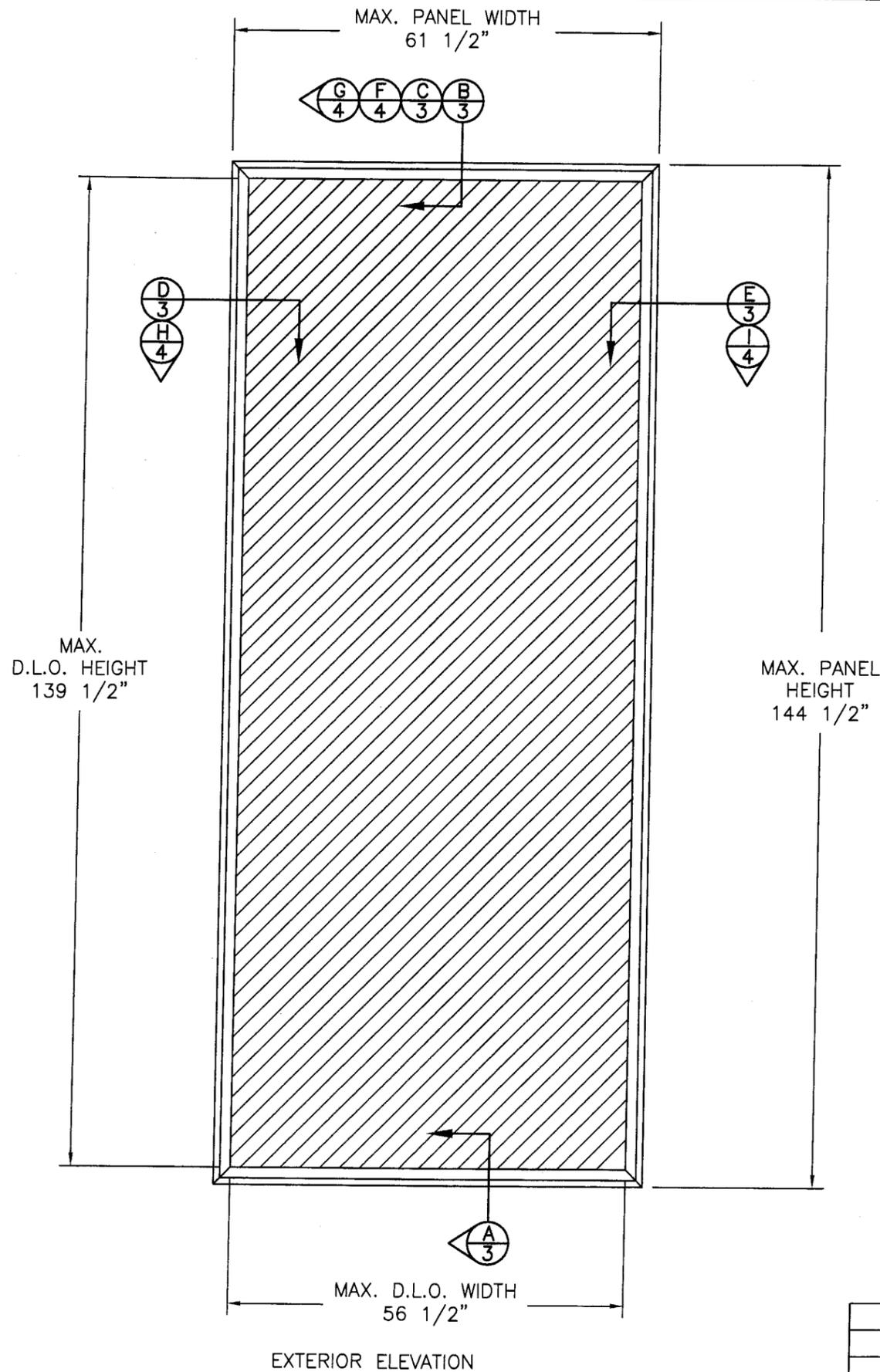
**E. MATERIAL CERTIFICATIONS**

1. *None.*



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**Helmy A. Makar, P.E., M.S.**  
**Senior Product Control Examiner**  
**NOA No. 10-0810.03**  
**Expiration Date: 09/22/2015**  
**Approval Date: 09/29/2010**



NOTES:

1. THE PRODUCT SHOWN HEREIN IS DESIGNED AND MANUFACTURED TO COMPLY WITH THE 2007 "HVHZ" FLORIDA BUILDING CODE.
2. CONCRETE, MASONRY & WOOD FRAMING TO BE DESIGNED AND ANCHORED TO PROPERLY TRANSFER ALL LOADS TO STRUCTURE. FRAMING IS THE RESPONSIBILITY OF THE ARCHITECT OR ENGINEER OF RECORD.
3. PANEL FRAME MATERIAL: ALUMINUM ALLOY 6063-T6.
4. A MINIMUM GLASS SEPARATION DISTANCE OF 4" SHALL BE PROVIDED FOR ALL INSTALLATIONS.

TABLE OF CONTENTS	
SHEETS	SHEET DESCRIPTION
1	ELEVATION & NOTES
2	ANCHORING & NOTES
3	INSTALLATION DETAILS IN CONCRETE & WOOD FRAME
4	INSTALLATION DETAILS IN CONCRETE & WOOD FRAME
5	COMPONENTS & B.O.M.

MAXIMUM ALLOWABLE DESIGN PRESSURE  
W/ 2 1/2" MIN. EDGE DISTANCE

+114.3 PSF
-114.3 PSF

PRODUCT RENEWED  
as complying with the Florida  
Building Code  
Acceptance No 10-0810.03  
Expiration Date 09/22/2015  
By *Helmut A. Mehn*  
Miami Dade Product Control  
Division

PRODUCT REVISED  
as complying with the Florida  
Building Code  
Acceptance No 07-0927.01  
Expiration Date 09/22/2010  
By *Helmut A. Mehn*  
Miami Dade Product Control  
Division

SYM	REVISION	DATE	BY

*Robert J. Amoruso* 7/19/10

ROBERT J. AMORUSO, P.E.  
FLORIDA P. E. No. 49752  
PTC, LLC  
1535 N. COGSWELL ST.  
ROCKLEDGE, FL 32955  
FBPE Certificate of Authorization NO. 25935

FORT HURRICANE PRODUCTS, INC.  
5401 EAST AVE., WEST PALM BCH., FL 33407

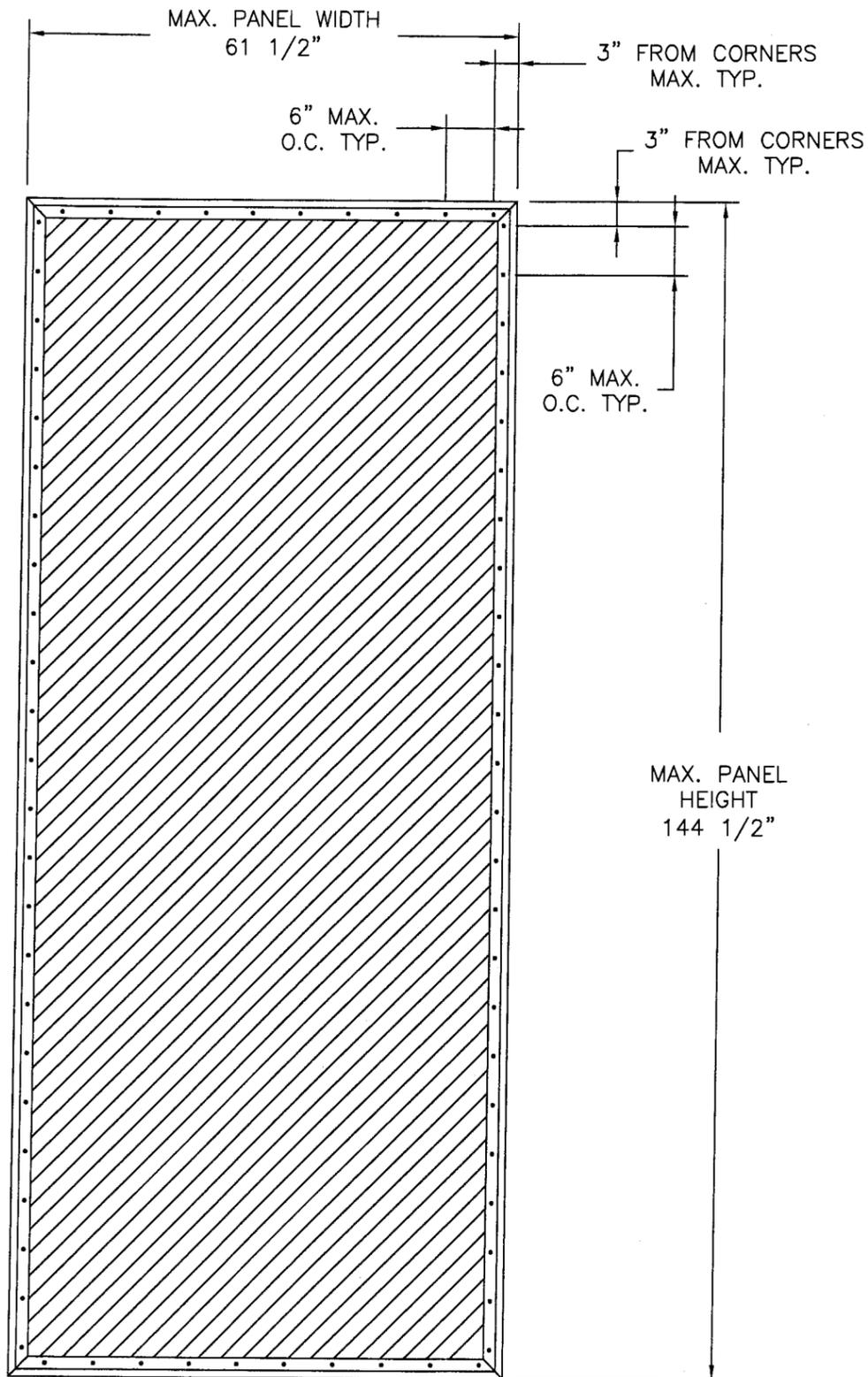
TITLE: 28FX IMPACT SCREEN  
ELEVATION & NOTES

PREPARED BY: **PTC**  
PTC LLC.

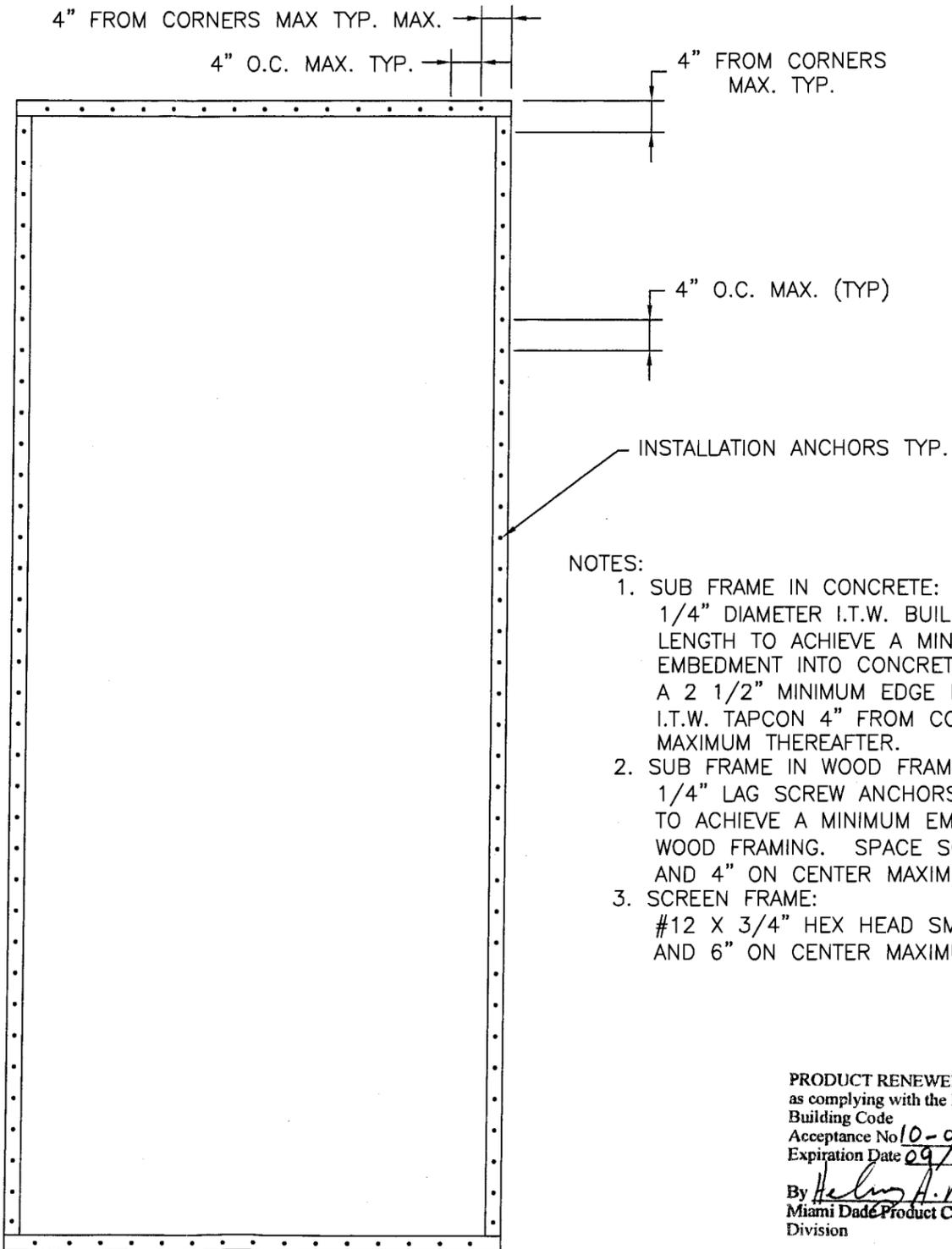
DRN: JM	DATE: 07/16/10
SCALE: N.T.S	DWG. NO: HSS0011
REV:	SHEET: 1 OF 5

Phone 321-690-1788 Fax 321-690-1789

EXTERIOR ELEVATION



SCREEN FRAME TO ALUMINUM TUBE ANCHORING EXTERIOR ELEVATION



ALUMINUM TUBE TO SUBSTRATE/WALL ANCHORING EXTERIOR ELEVATION

NOTES:

1. SUB FRAME IN CONCRETE:  
1/4" DIAMETER I.T.W. BUILDDEX TAPCON ANCHORS OF SUFFICIENT LENGTH TO ACHIEVE A MINIMUM OF 1 1/4" MINIMUM EMBEDMENT INTO CONCRETE OR MASONRY WITH A 2 1/2" MINIMUM EDGE DISTANCE. SPACE 1/4" DIAMETER I.T.W. TAPCON 4" FROM CORNERS & 4" ON CENTER MAXIMUM THEREAFTER.
2. SUB FRAME IN WOOD FRAMING:  
1/4" LAG SCREW ANCHORS OF SUFFICIENT LENGTH TO ACHIEVE A MINIMUM EMBEDMENT OF 1 1/2" INTO WOOD FRAMING. SPACE SCREWS 4" FROM CORNERS AND 4" ON CENTER MAXIMUM THEREAFTER.
3. SCREEN FRAME:  
#12 X 3/4" HEX HEAD SMS SPACE 3" FROM CORNERS AND 6" ON CENTER MAXIMUM THEREAFTER.

PRODUCT RENEWED  
as complying with the Florida  
Building Code  
Acceptance No 10-0810-03  
Expiration Date 09/22/2015  
By *Helmut A. Mohr*  
Miami Dade Product Control  
Division

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Acceptance No 07-0927-01  
Expiration Date 09/22/2010  
By *Helmut A. Mohr*  
Miami Dade Product Control  
Division

SYM	REVISION	DATE	BY

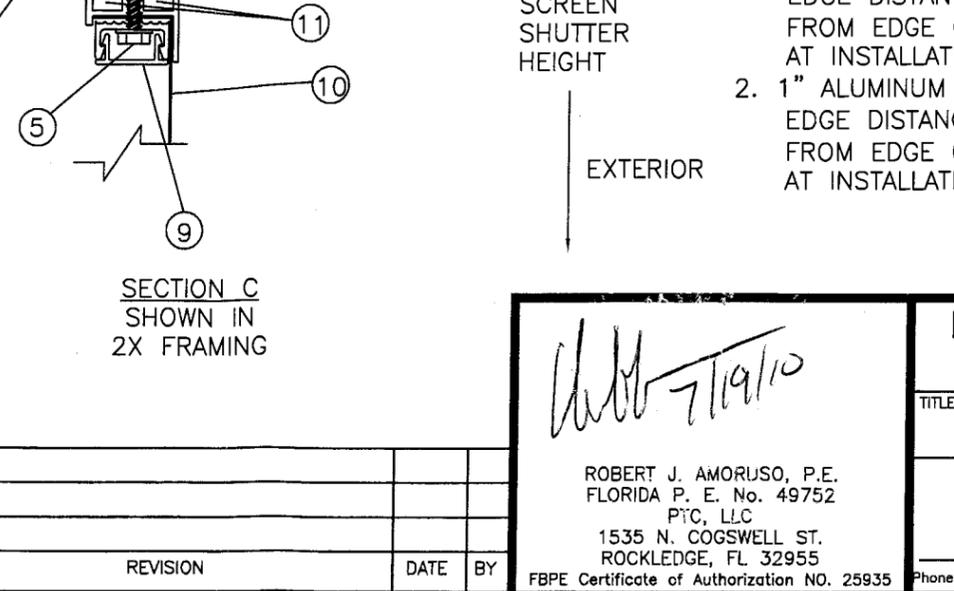
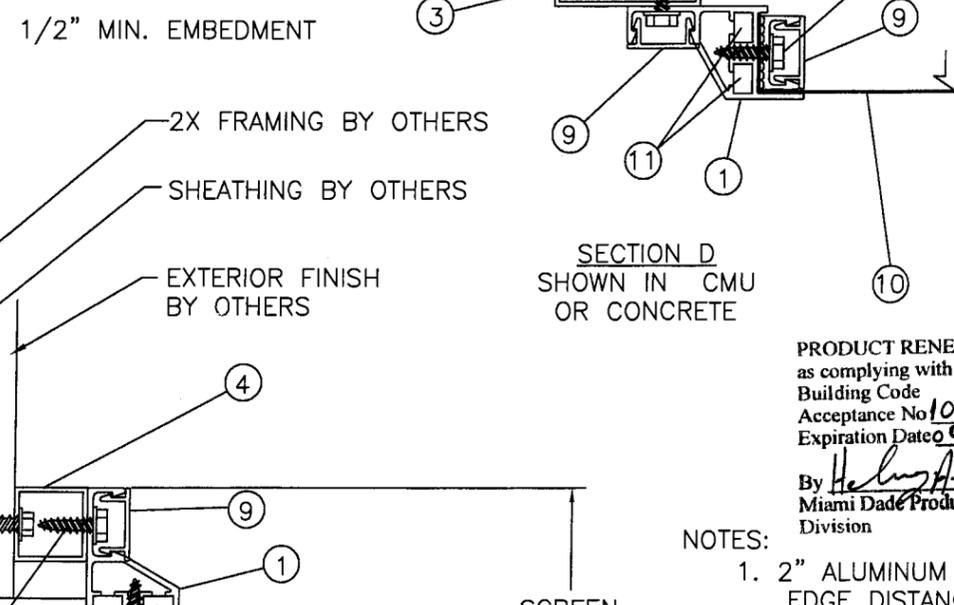
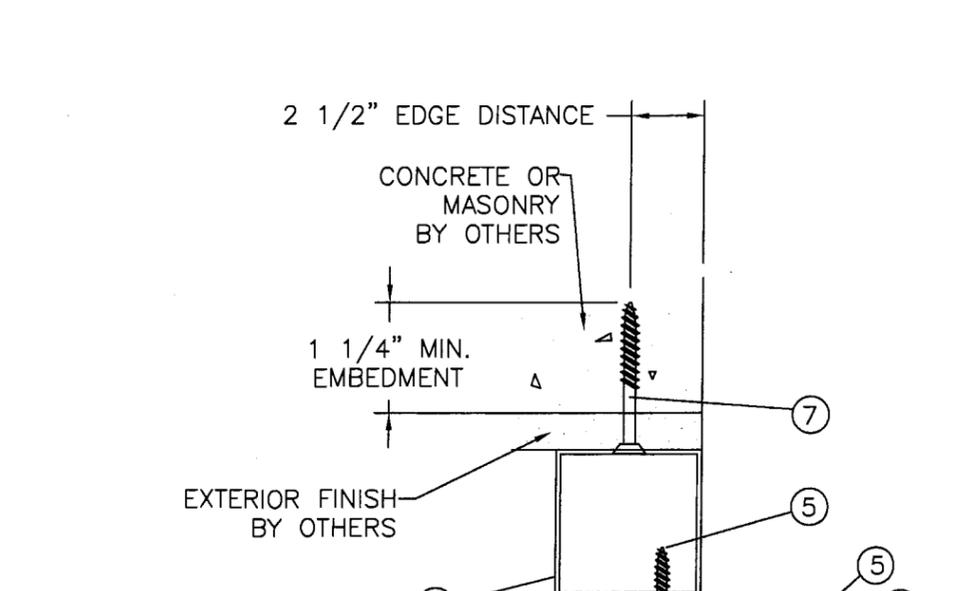
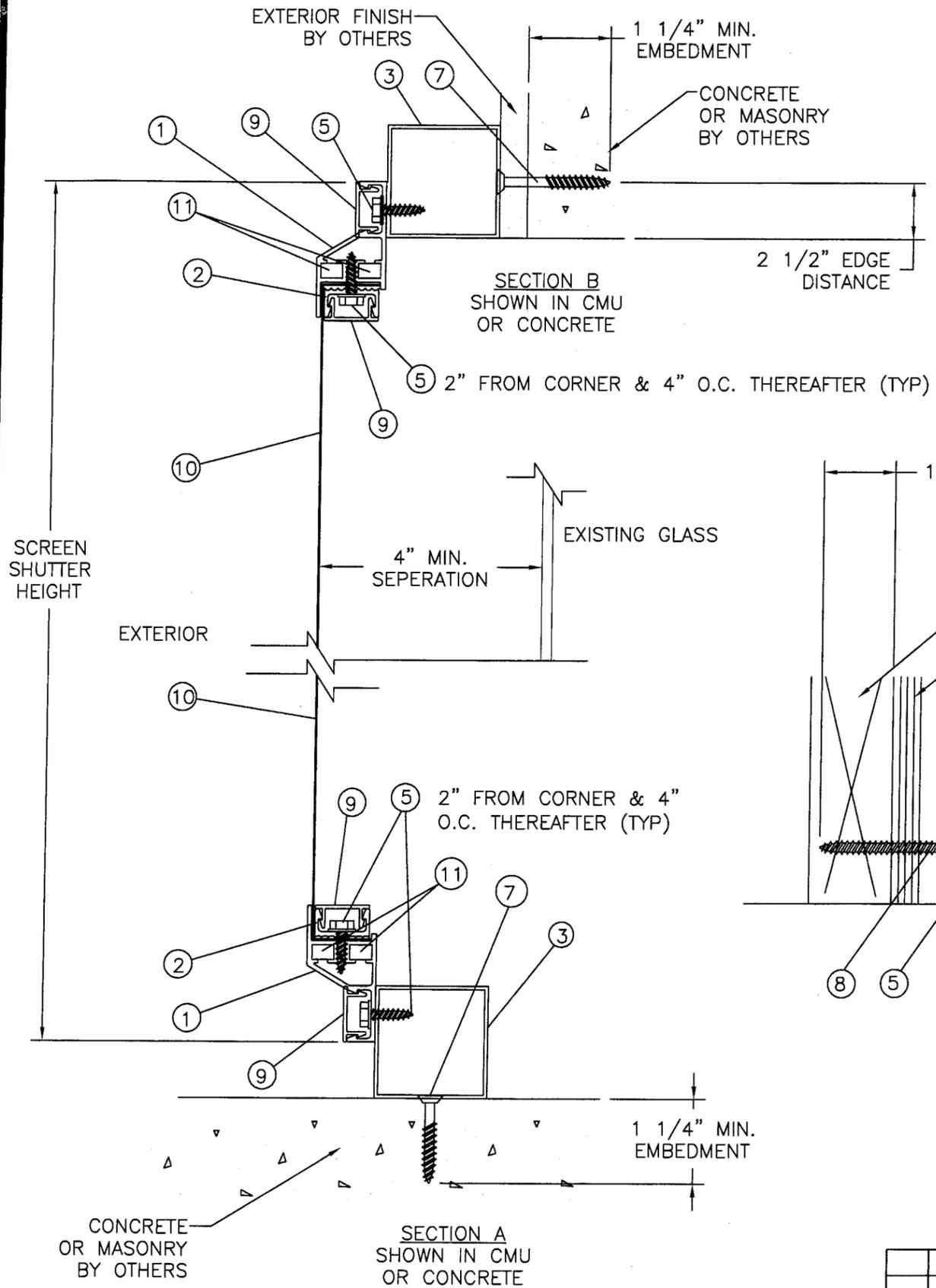
*Robert J. Amoroso* 7/19/10

ROBERT J. AMORUSO, P.E.  
FLORIDA P. E. No. 49752  
PTC, LLC  
1535 N. COGSWELL ST.  
ROCKLEDGE, FL 32955

FBPE Certificate of Authorization NO. 25935

FORT HURRICANE & PRODUCTS, INC.  
5401 EAST AVE. WEST PALM BEACH, FL. 33407  
TITLE: 28FX IMPACT SCREEN ANCHORING LAYOUT & NOTES

PREPARED BY: <b>PTC</b> PTC LLC	DRN: JM	DATE: 07/16/10
SCALE: N.T.S.	DWG. NO: HSS0011	REV:
Phone 321-690-1788 Fax 321-690-1785	SHEET: 2 OF 5	



PRODUCT RENEWED  
 as complying with the Florida  
 Building Code  
 Acceptance No 10-0810.03  
 Expiration Date 9/22/2015  
 By *Heather A. Nelson*  
 Miami Dade Product Control  
 Division

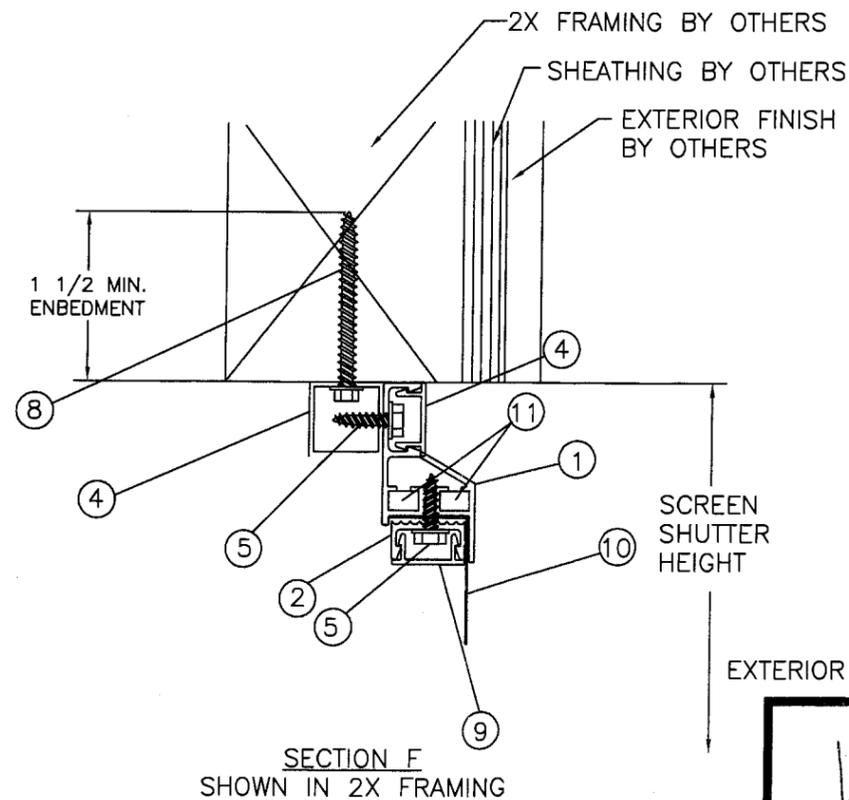
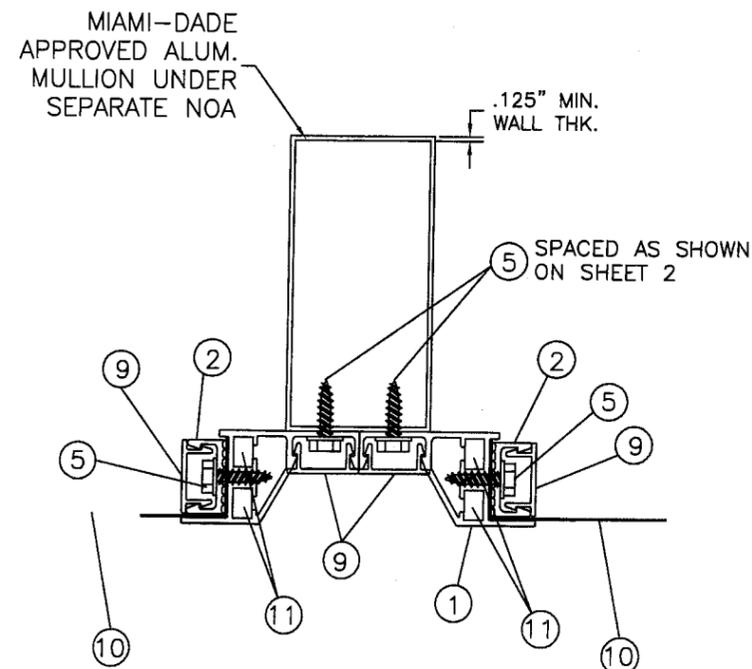
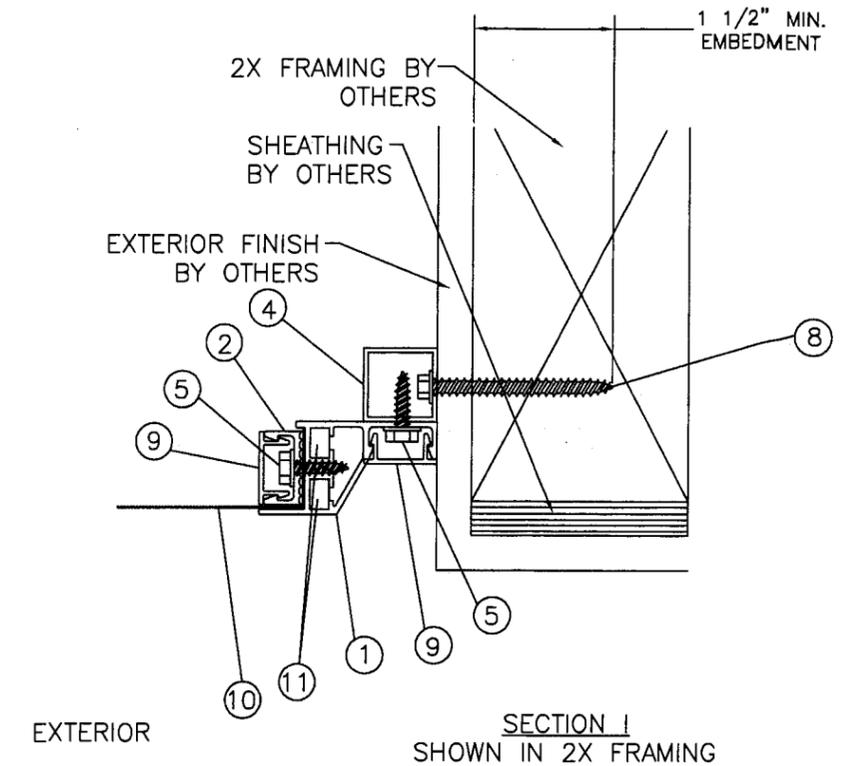
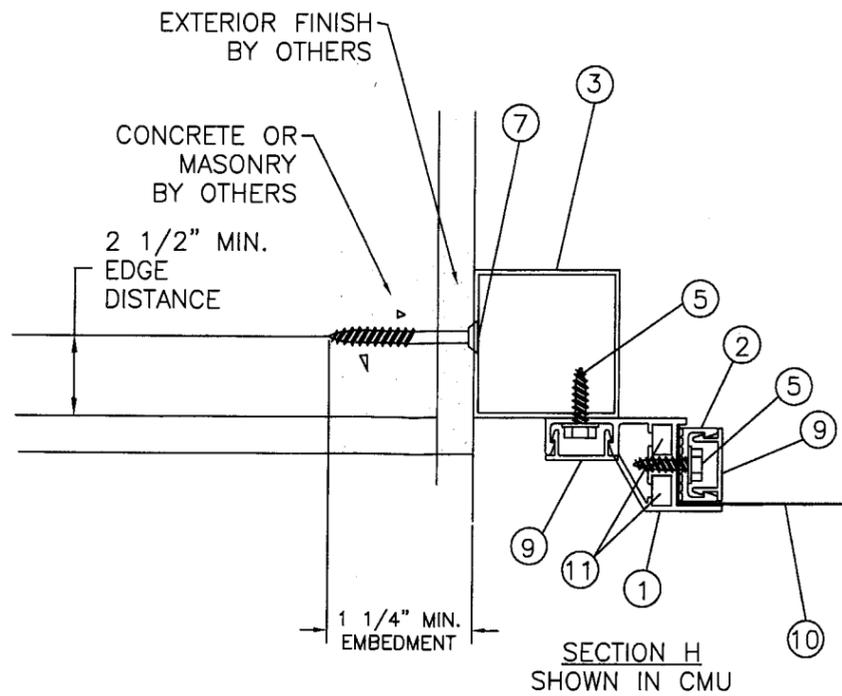
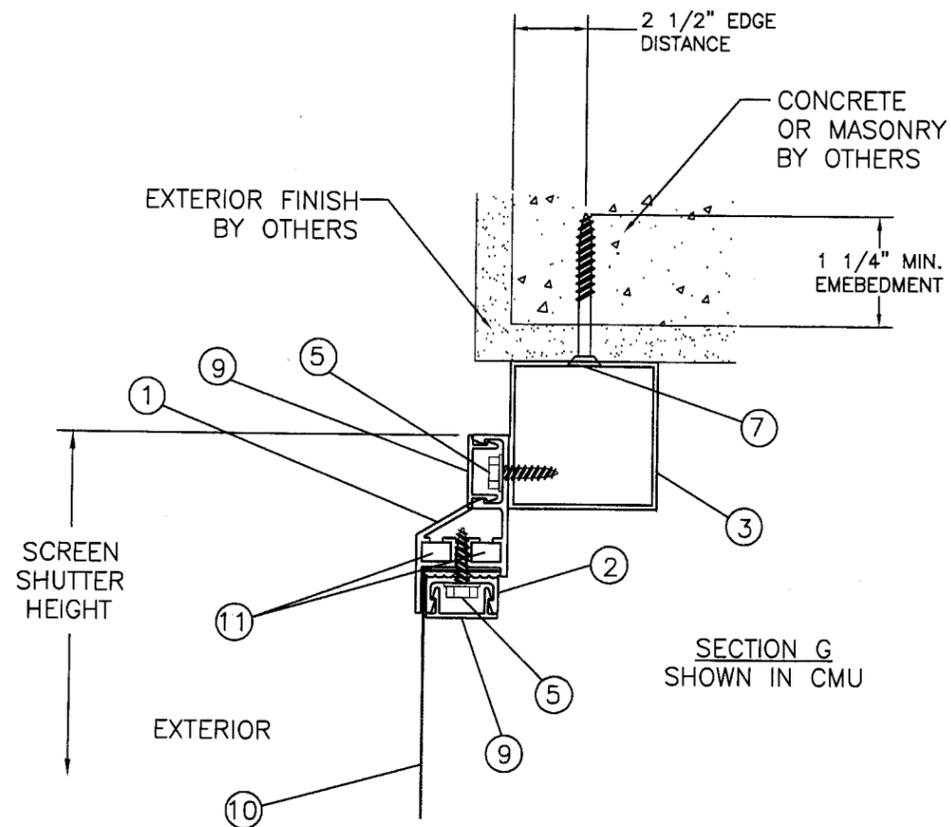
- NOTES:
- 2" ALUMINUM TUBE HAS A 1" MIN. EDGE DISTANCE WITH NO SETBACK FROM EDGE OF CONCRETE/MASONRY AT INSTALLATION.
  - 1" ALUMINUM TUBE HAS A 1" MIN. EDGE DISTANCE WITH 1/2" SETBACK FROM EDGE OF CONCRETE/MASONRY AT INSTALLATION.

PRODUCT REVISED  
 as complying with the Florida  
 Building Code  
 Acceptance No 07-0927.01  
 Expiration Date 09/22/2010  
 By *Heather A. Nelson*  
 Miami Dade Product Control  
 Division

SYM	REVISION	DATE	BY
A			

*WJ 7/19/10*  
 ROBERT J. AMORUSO, P.E.  
 FLORIDA P. E. No. 49752  
 PTC, LLC  
 1535 N. COGSWELL ST.  
 ROCKLEDGE, FL 32955  
 FBPE Certificate of Authorization NO. 25935

FORT HURRICANE PRODUCTS, INC.  
 5401 EAST AVE. WEST PALM BEACH, FL. 33407  
 TITLE: 28FX IMPACT SCREEN  
 INSTALLATION DETAILS IN CONCRETE & WOOD FRAME  
 PREPARED BY: **PTC**  
 PTC, LLC.  
 DRN: JM DATE: 07/16/10  
 SCALE: N.T.S. DWG. NO: HSS0011  
 REV: A SHEET: 3 OF 5  
 Phone 321-690-1788 Fax 321-690-1789



NOTES:

1. 2" ALUMINUM TUBE HAS A 1" MINIMUM SETBACK FROM EDGE OF CONCRETE/MASONRY AT INSTALLATION.
2. 1" ALUMINUM TUBE HAS A 1 1/2" MINIMUM SETBACK FROM EDGE OF CONCRETE/MASONRY AT INSTALLATION.

PRODUCT RENEWED  
 as complying with the Florida  
 Building Code  
 Acceptance No 10-0810.03  
 Expiration Date 09/22/2015  
 By *Heather A. Melton*  
 Miami Dade Product Control  
 Division

PRODUCT REVISED  
 as complying with the Florida  
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 By *Heather A. Melton*  
 Miami Dade Product Control  
 Division

OPTIONAL ALUMINUM MULLION  
 INSTALLATION, SEE SEPARATE  
 DADE COUNTY NOA

SYM	REVISION	DATE	BY

*Walt 7/19/10*  
 ROBERT J. AMORUSO, P.E.  
 FLORIDA P. E. No. 49752  
 PTC LLC  
 1535 N. COGSWELL ST.  
 ROCKLEDGE, FL 32955  
 FBPE Certificate of Authorization NO. 25935

FORT HURRICANE PRODUCTS, INC.

5401 EAST AVE. WEST PALM BEACH, FL. 33407

TITLE: 28FX IMPACT SCREEN

INSTALLATION DETAILS IN CONCRETE & WOOD FRAME

PREPARED BY:



PTC LLC

DRN: JM

DATE: 07/16/10

SCALE: N.T.S.

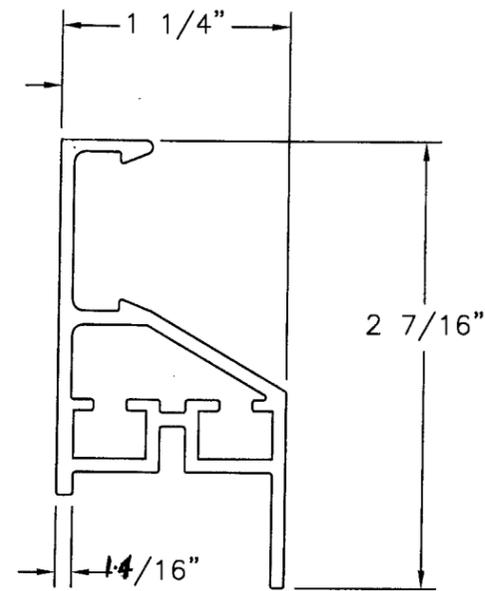
DWG. NO: HSS0011

REV:

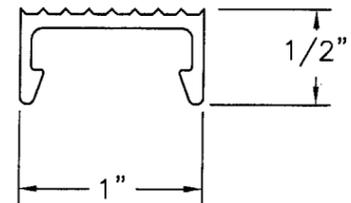
SHEET: 4 OF 5

Phone 321-690-1788 Fax 321-690-1789

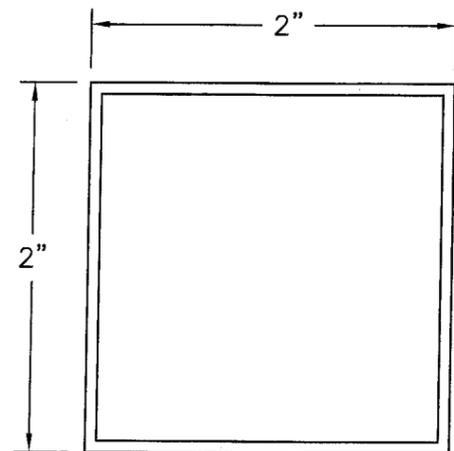
① FRAME HEAD, SILL & JAMB  
TYP. WALL THICKNESS 0.075



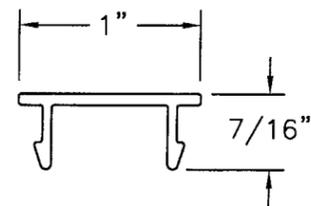
② WIRE RETAINER  
TYP. WALL THICKNESS 0.075



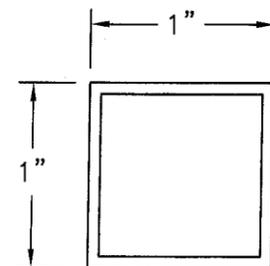
③ 2" X 2" ALUMINUM TUBE  
TYP. WALL THICKNESS 0.062



⑨ SCREW COVER  
TYP. WALL THICKNESS 0.050



④ 1" X 1" ALUMINUM TUBE  
TYP. WALL THICKNESS 0.062



BILL OF MATERIALS

ITEM #	PART #	DESCRIPTION
1	2713	FRAME HEAD, SILL & JAMB 6005-T6 ALUMINUM
2	2721	WIRE RETAINER 6005-T6 ALUMINUM
3		2" X 2" X 1/16" ALUMINUM TUBE 6005-T5 ALUMINUM
4		1" X 1" 1/16" ALUMINUM TUBE 6005-T5 ALUMINUM
5		#12-14 X 3/4" HEX HEAD SMS SCREW
6		NOT USED
7		1/4" X 2 1/4" TAPCON
8		1/4" X 2 1/2" SCREW
9	2730	SCREW COVER
10		MESH 12X12 SCREEN SS 304 THREAD 0.028" OR 0.032" THICK
11		CORNER KEY 2" X 2" X 1.1" X 1/4"

PRODUCT RENEWED  
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By Helmut A. Mahler  
Miami Dade Product Control  
Division

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Building Code  
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By Helmut A. Mahler  
Miami Dade Product Control  
Division

FORT HURRICANE PRODUCTS, INC.

5401 EAST AVE., WEST PALM BEACH, FL. 33407

TITLE: 28FX IMPACT SCREEN

COMPONENTS & B.O.M.

PREPARED BY:



PTC LLC

DRN: JM

DATE: 07/16/10

SCALE: N.T.S.

DWG. NO: HSS0011

REV:

SHEET: 5 OF 5

ROBERT J. AMORUSO, P.E.  
Florida P. E. No. 49752  
PTC LLC  
1535 N. COGSWELL ST.  
ROCKLEDGE, FL 32955

FBPE Certificate of Authorization NO. 25935

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SYM	REVISION	DATE	BY