



**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](http://www.buildingcodeonline.com)

**NOTICE OF ACCEPTANCE (NOA)**

**Fort Hurricane Products, Inc.**  
**1100 25<sup>TH</sup> Street (Unit 7 A)**  
**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. 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., 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 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 consists of this page 1, evidence submitted page (s) as well as approval document mentioned above. The submitted documentation was reviewed by **Helmy A. Makar, P.E.**



*Helmy A. Makar*  
 09/22/2005

**NOA No 05-0520.01**  
**Expiration Date: 09/22/2010**  
**Approval Date: 09/22/2005**

**Fort Hurricane Products, Inc.**

**NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED**

**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.*

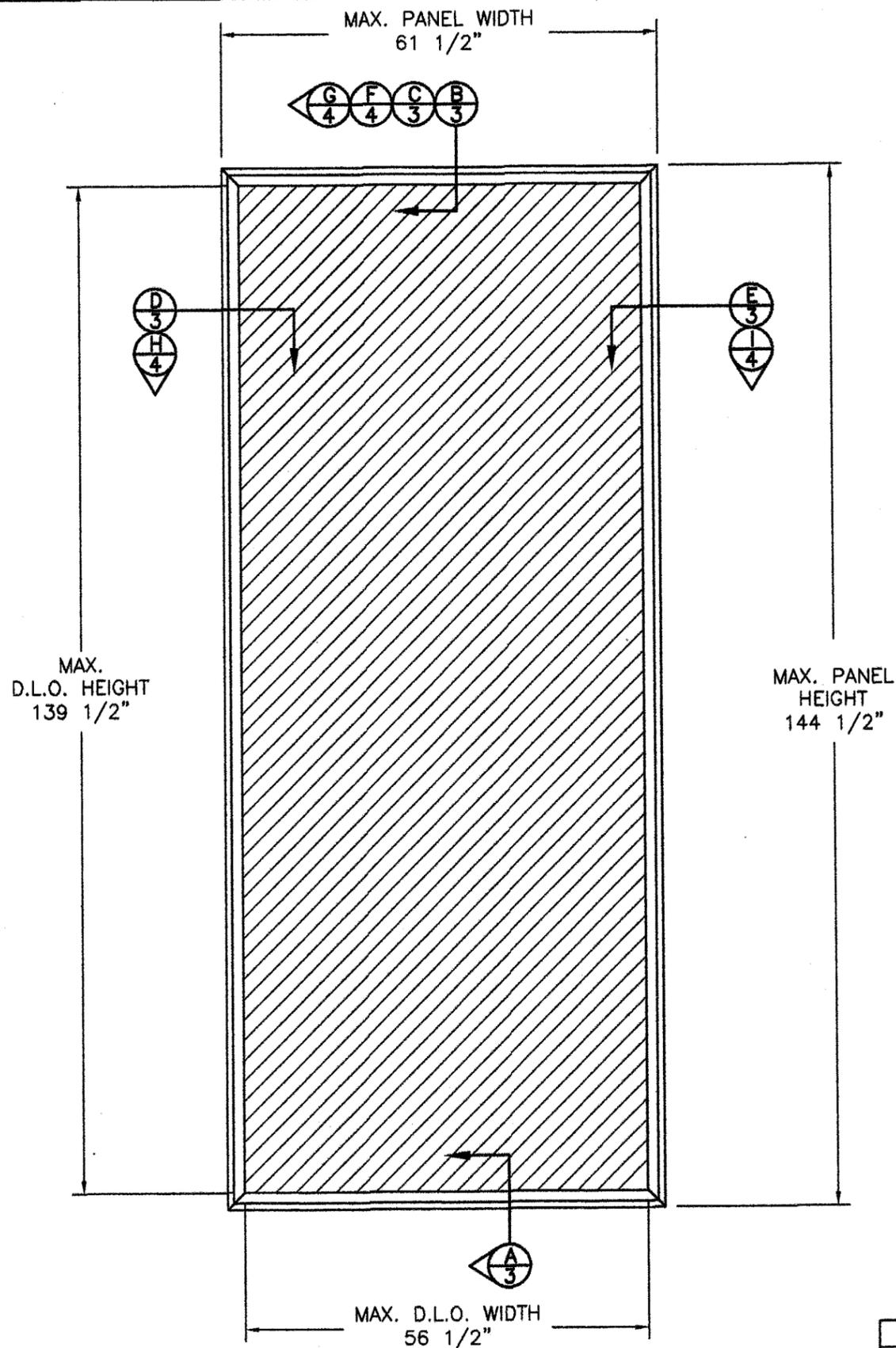


Helmy A. Makar, P. E.  
Product Control Examiner

NOA No 05-0520.01

Expiration Date: 09/22/2010

Approval Date: 09/22/2005



EXTERIOR ELEVATION

NOTES:

1. THE PRODUCT SHOWN HEREIN IS DESIGNED AND MANUFACTURED TO COMPLY WITH THE 2001 AND 2004 "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.

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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.

<p>MAXIMUM ALLOWABLE DESIGN PRESSURE W/ 2 1/2" MIN. EDGE DISTANCE</p> <p>+114.3 PSF -114.3 PSF</p>
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Approved as complying with the Florida Building Code  
 Date 09/22/2005  
 OAH 05-0520-01  
 Miami Dade Product Control Division  
 by Helmy A. Melon

SYM	REVISION	DATE	BY
A	Per Dade County mark ups dated 8/11/05	8/17/05	BB

*L. Roberto Lomas*  
08/20/05

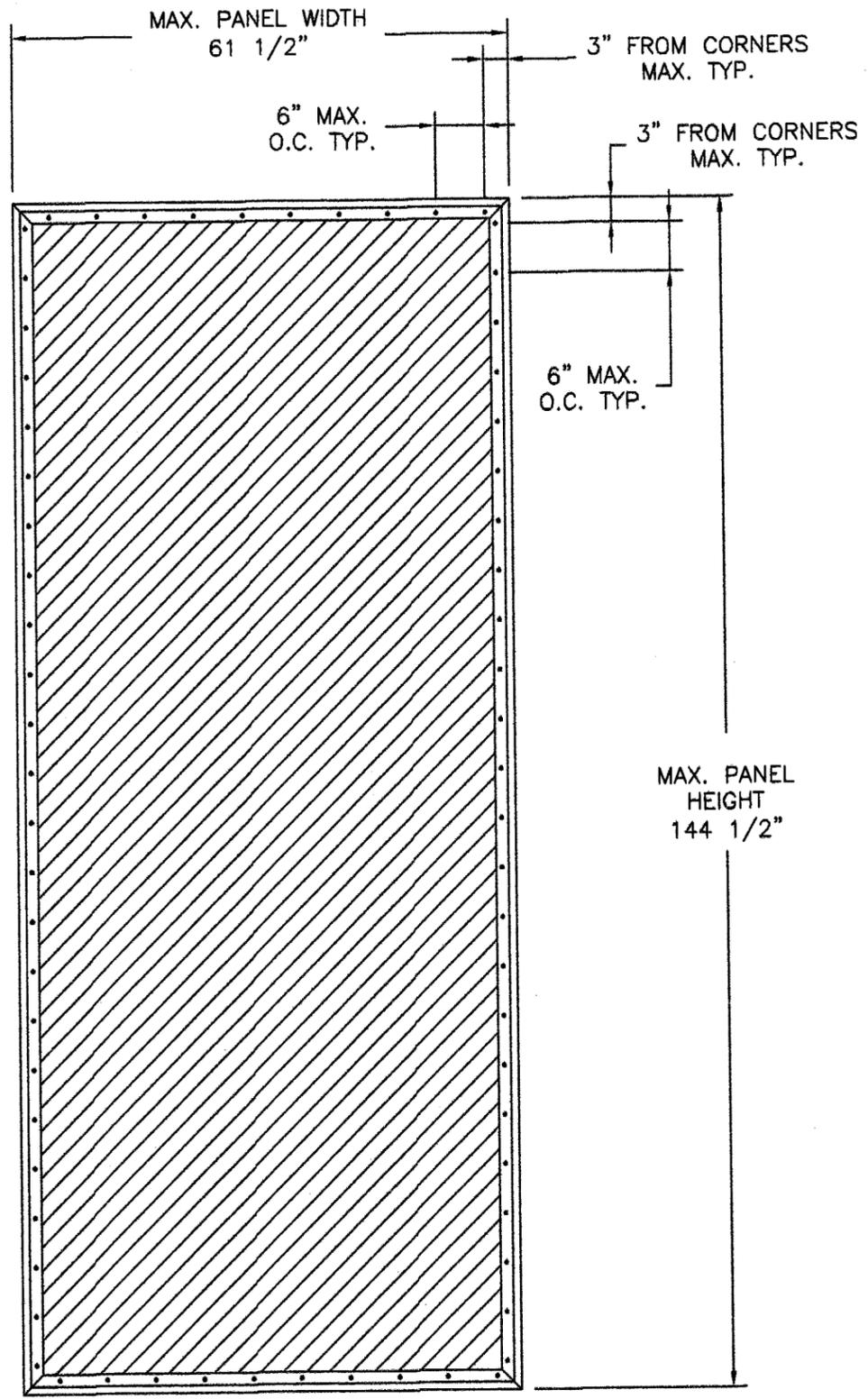
L. Roberto Lomas, P.E.  
 Florida P. E. No. 62514  
 PTC Engineering, Inc.  
 2361 S.E. Seafury Lane  
 Port St. Lucie, Florida 34952  
 FBPE Certificate of Authorization NO. 25935

FORT HURRICANE PRODUCTS, INC.  
 1100 25TH ST. UNIT 7A, WEST PALM BEACH, FL. 33407

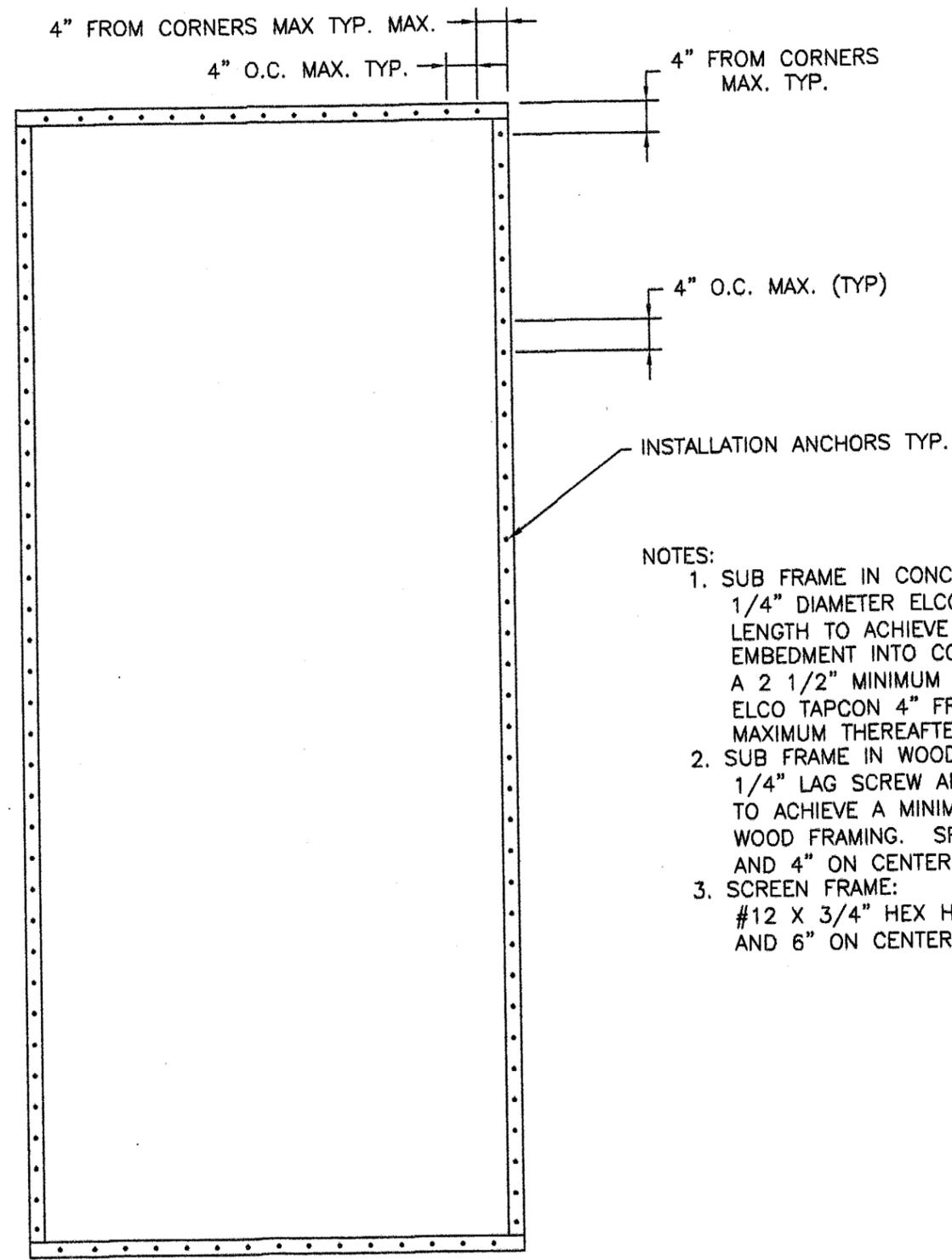
TITLE: 28FX IMPACT SCREEN  
 ELEVATION & NOTES

PREPARED BY:	DRN:	DATE:
<b>PTC</b> PTC ENGINEERING, INC.	JVS	04/20/05
SCALE:	DWG. NO.:	
N.T.S.	HSS0002	
REV:	SHEET:	
A	1 OF 5	

Phone 772.398.4639 Fax 772.398.4654



SCREEN FRAME TO  
ALUMINUM TUBE ANCHORING  
EXTERIOR ELEVATION



ALUMINUM TUBE TO  
SUBSTRATE/WALL ANCHORING  
EXTERIOR ELEVATION

- NOTES:
- SUB FRAME IN CONCRETE:  
1/4" DIAMETER ELCO 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 ELCO TAPCON 4" FROM CORNERS & 4" ON CENTER MAXIMUM THEREAFTER.
  - SUB FRAME IN WOOD FRAMING:  
1/4" LAG SCREW ANCHORS OF SUFFICIENT LENGTH TO ACHIEVE A MINIMUM EMBEDMENT OF 1 5/16" INTO WOOD FRAMING. SPACE SCREWS 4" FROM CORNERS AND 4" ON CENTER MAXIMUM THEREAFTER.
  - SCREEN FRAME:  
#12 X 3/4" HEX HEAD SMS SPACE 3" FROM CORNERS AND 6" ON CENTER MAXIMUM THEREAFTER.

Approved as complying with the  
Florida Building Code  
Date 09/22/2005  
NOA# 05-0520.01  
Miami Dade Product Control  
Division  
By Helmy A. Helder

SYM	REVISION	DATE	BY
A	Per Dade County mark ups dated 8/11/05	8/17/05	BB

*Roberto Lomas*  
*08/20/05*

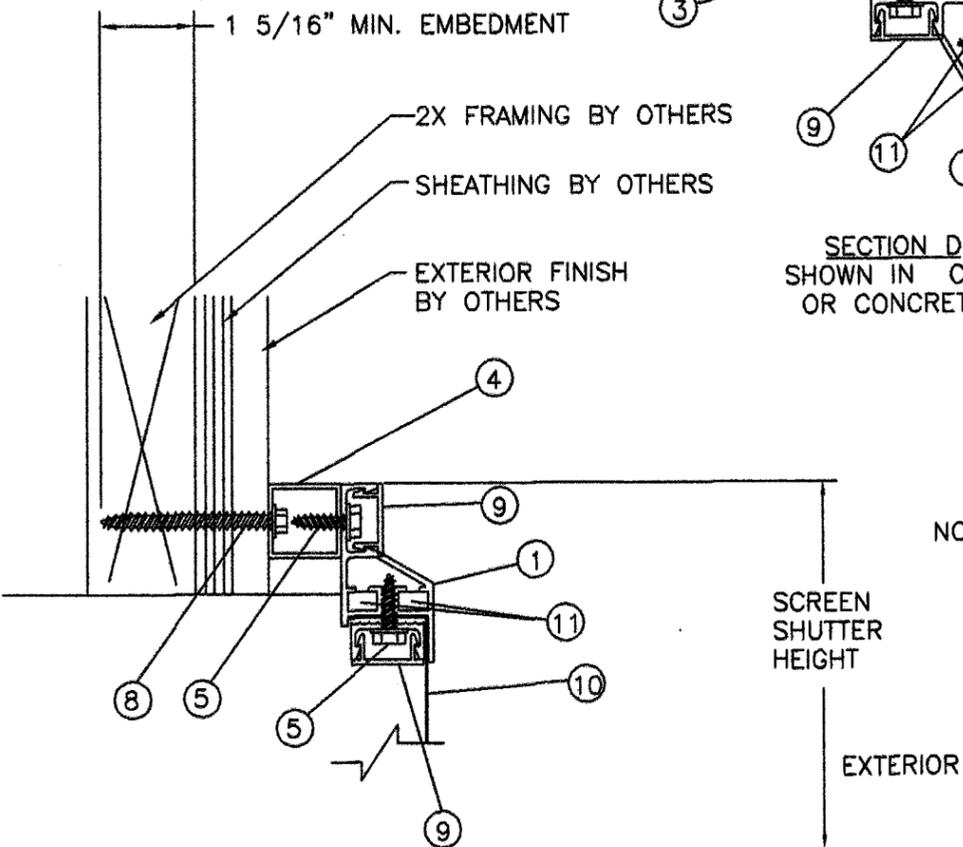
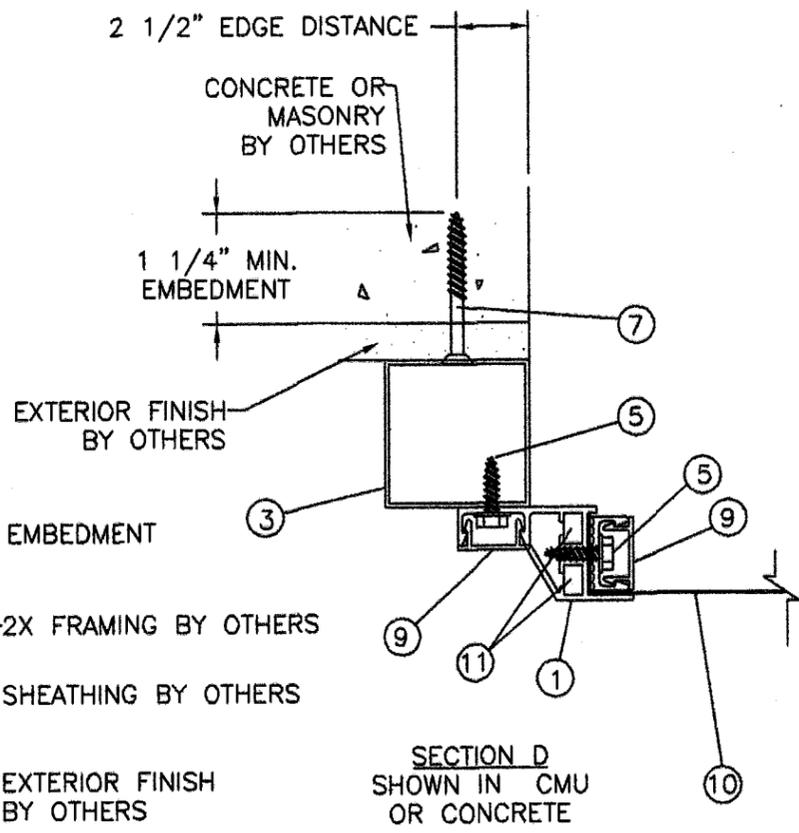
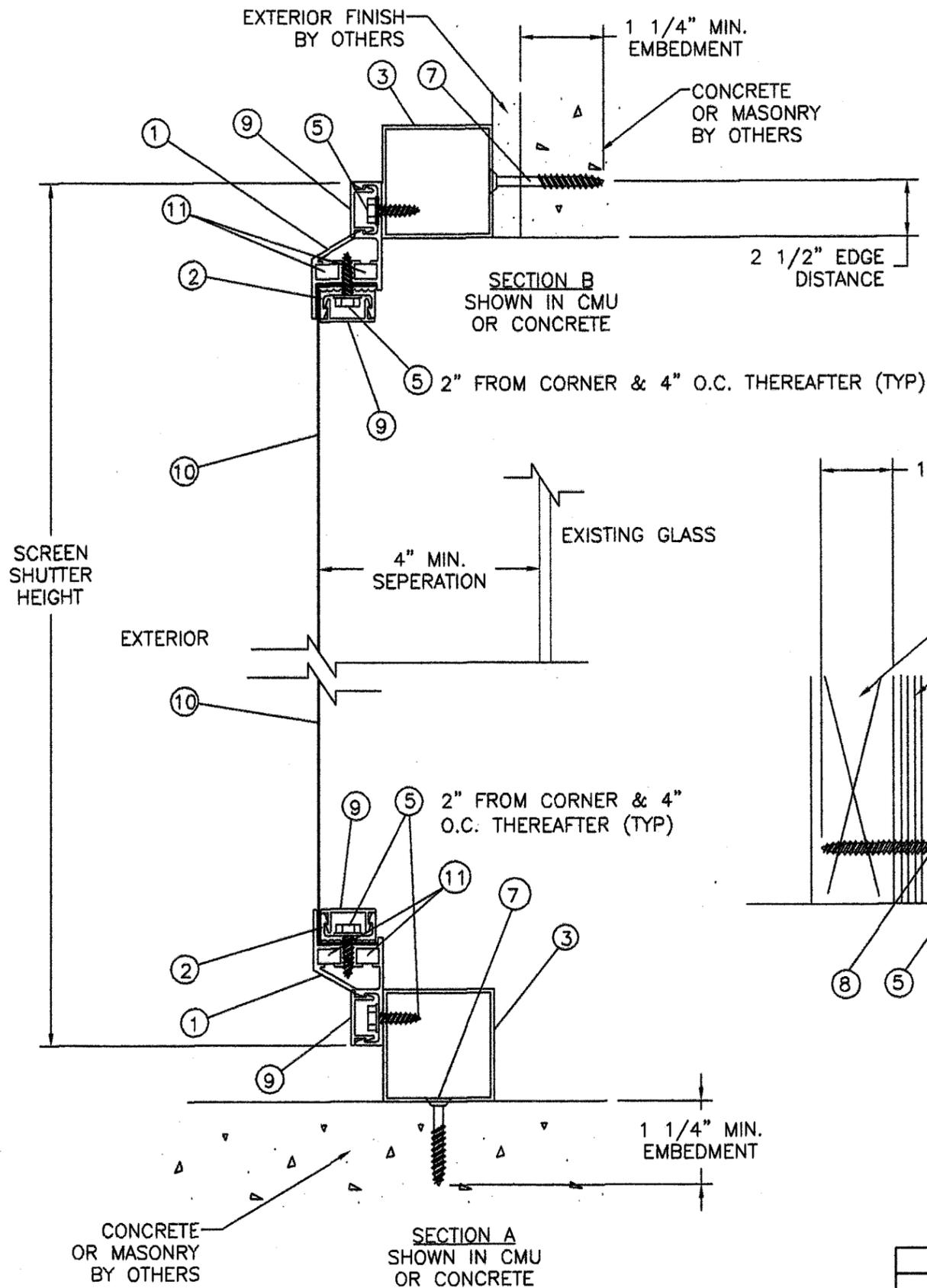
L. Roberto Lomas, P.E.  
Florida P. E. No. 62514  
PTC Engineering, Inc.  
2361 S.E. Seafury Lane  
Port St. Lucie, Florida 34952  
FBPE Certificate of Authorization NO. 25935

**FORT HURRICANE & PRODUCTS, INC.**  
1100 25TH ST. UNIT 7A, WEST PALM BEACH, FL. 33407

TITLE: 28FX IMPACT SCREEN  
ANCHORING LAYOUT & NOTES

PREPARED BY: **PTC** ENGINEERING, INC.  
DRN: JVS DATE: 04/19/05  
SCALE: N.T.S. DWG. NO: HSS0002  
REV: A SHEET: 2 OF 5

Phone 772.398.4639 Fax 772.398.4654



- 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.

Approved as complying with the Florida Building Code  
 Date 09/22/2005  
 NOA# 05-0520-01  
 Miami Dade Product Control Division  
 By: *Heather A. Halar*

*Luis R. Lomas*  
 08/20/05

L. Roberto Lomas, P.E.  
 Florida P. E. No. 62514  
 PTC Engineering, Inc.  
 2361 S.E. Seafury Lane  
 Port St. Lucie, Florida 34952  
 FBPE Certificate of Authorization NO. 25935

FORT HURRICANE PRODUCTS, INC.  
 1100 25TH. ST. UNIT 7A, WEST PALM BEACH, FL. 33407

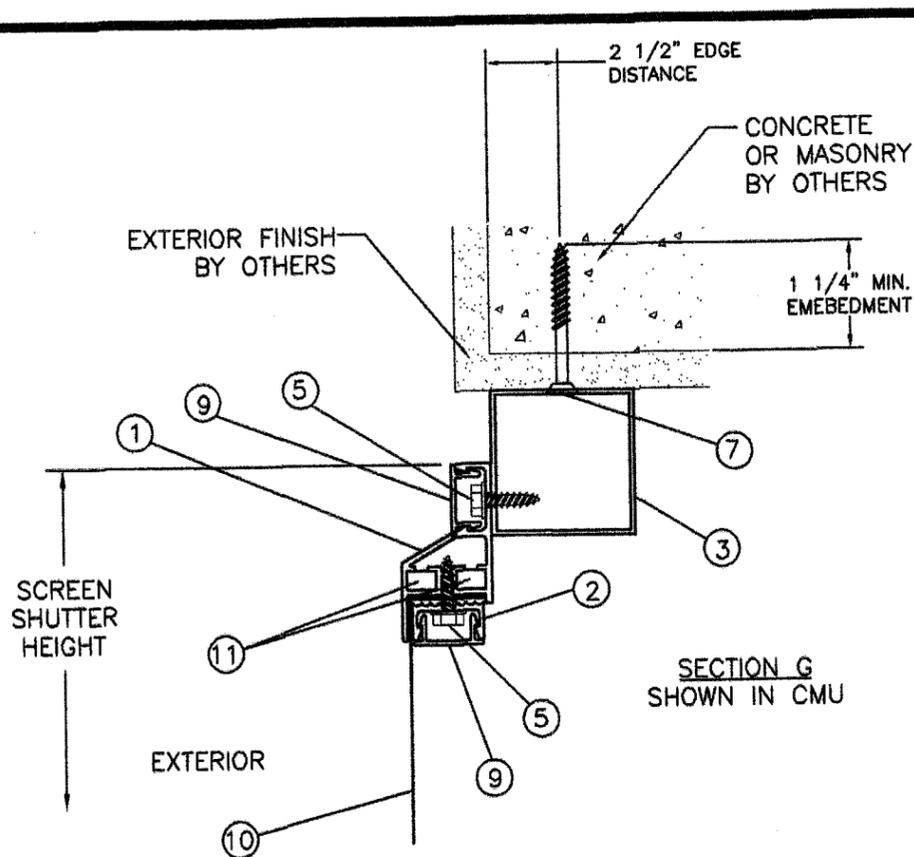
TITLE: 28FX IMPACT SCREEN  
 INSTALLATION DETAILS IN CONCRETE & WOOD FRAME

PREPARED BY: PTC ENGINEERING, INC.

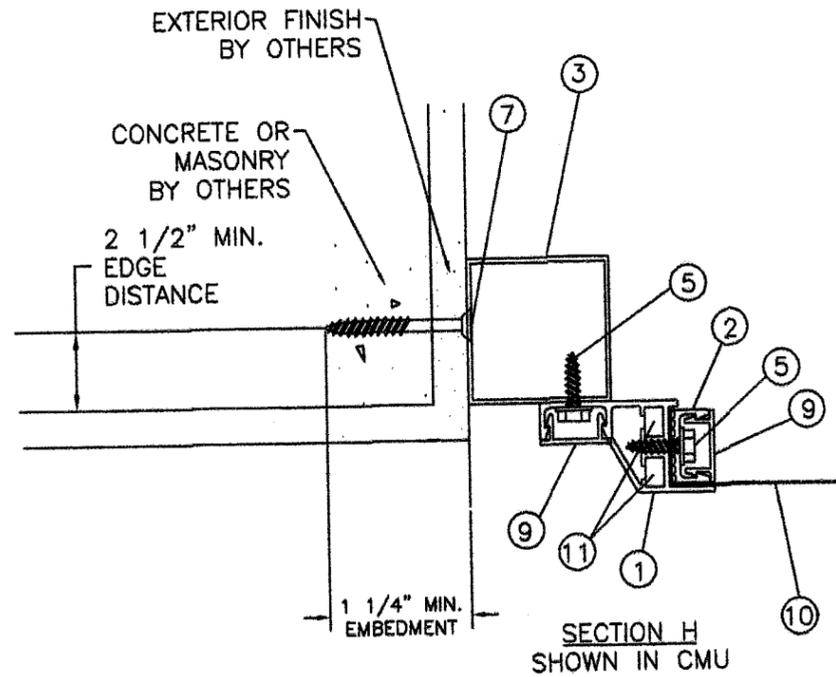
DRN: JVS DATE: 04/19/05  
 SCALE: N.T.S. DWG. NO: HSS0002  
 REV: A SHEET: 3 OF 5

Phone 772.398.4639 Fax 772.398.4654

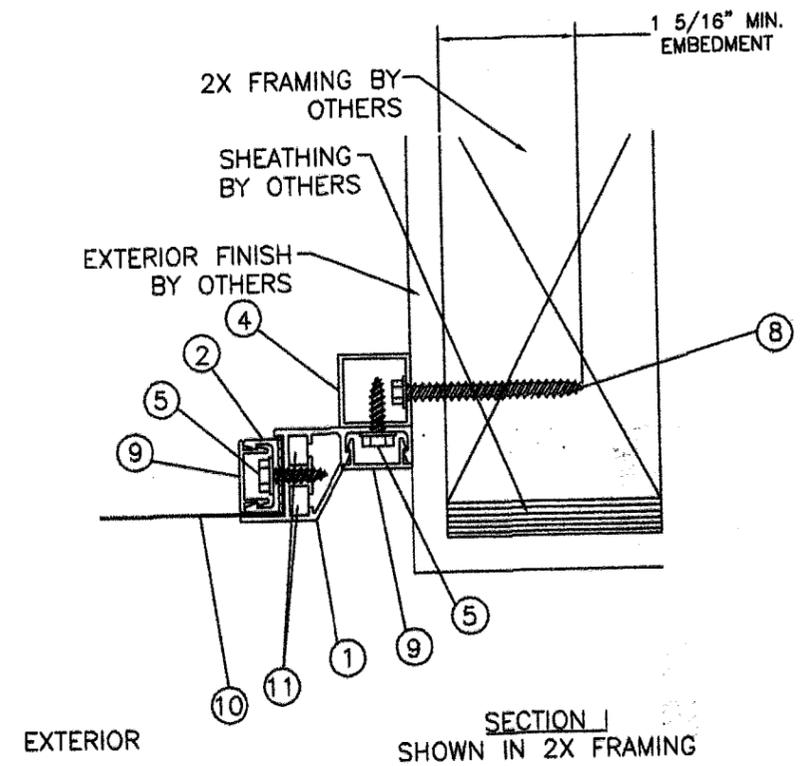
SYM	REVISION	DATE	BY
A	Per Dade County mark ups 08/11/05	8/17/05	BB
SYM	REVISION	DATE	BY



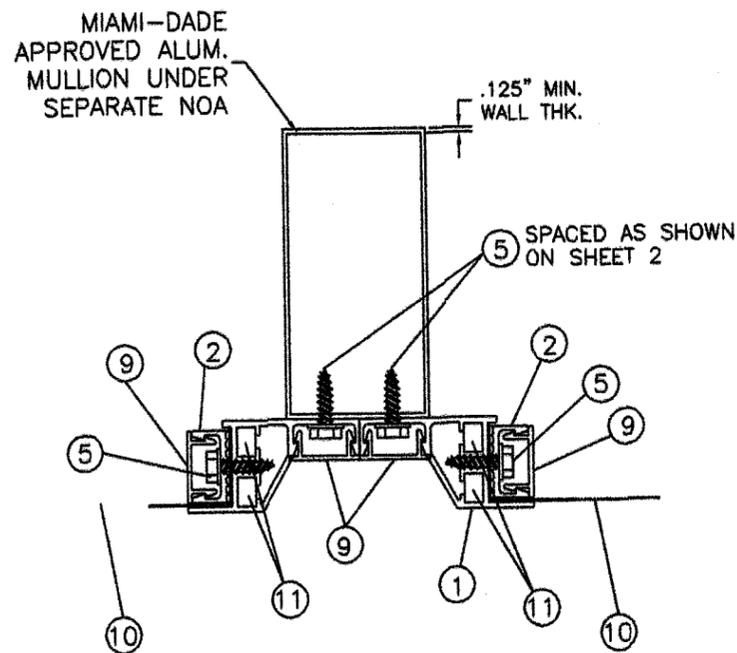
SECTION G  
SHOWN IN CMU



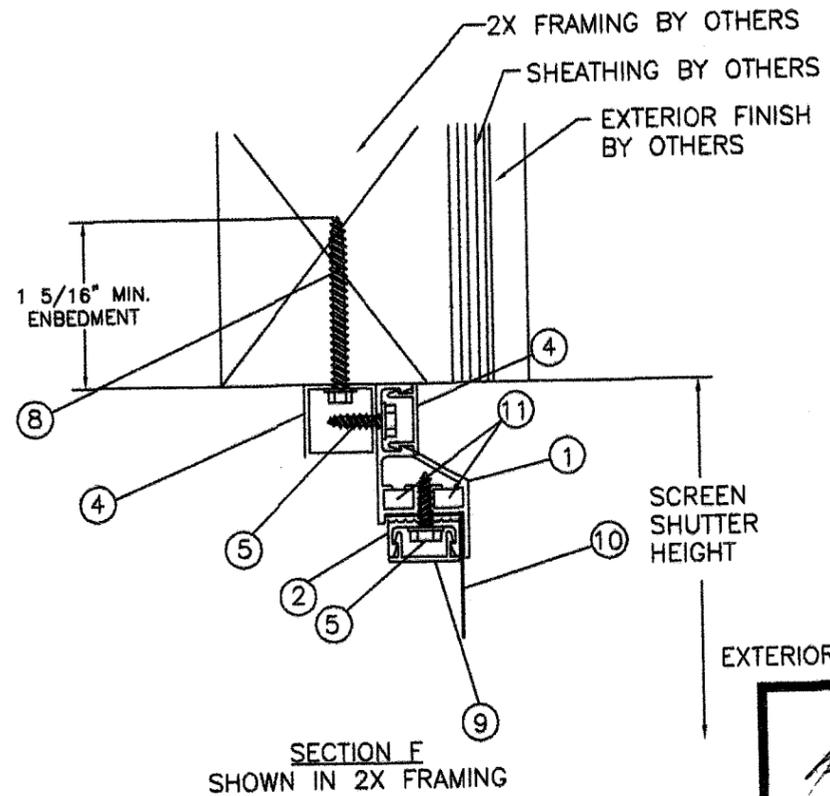
SECTION H  
SHOWN IN CMU



SECTION I  
SHOWN IN 2X FRAMING



OPTIONAL ALUMINUM MULLION  
INSTALLATION, SEE SEPARATE  
DADE COUNTY NOA



SECTION F  
SHOWN IN 2X FRAMING

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.

Approved as complying with the  
Florida Building Code  
Date 09/22/2005  
NOA# 05-0520-01  
Miami Dade Product Control  
Division  
By Helmy A. Mader

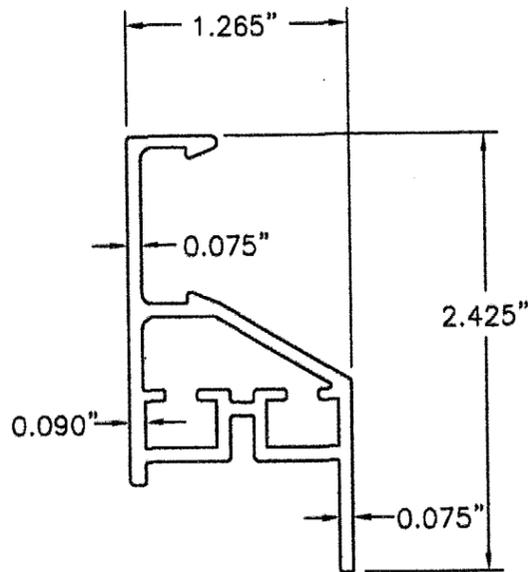
SYM	REVISION	DATE	BY
A	Per Dade County mark ups 8/11/05	8/17/05	BB

*L. Roberto Lomas*  
08/20/05  
L. Roberto Lomas, P.E.  
Florida P. E. No. 62514  
PTC Engineering, Inc.  
2361 S.E. Seafury Lane  
Port St. Lucie, Florida 34952  
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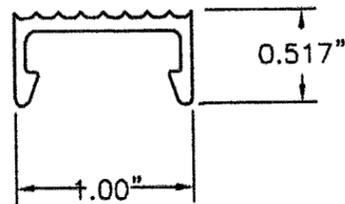
**FORT HURRICANE PRODUCTS, INC.**  
1100 25TH. ST. UNIT 7A, WEST PALM BEACH, FL. 33407  
TITLE: 2BFX IMPACT SCREEN  
INSTALLATION DETAILS IN CONCRETE & WOOD FRAME

PREPARED BY: <b>PTC</b> PTC ENGINEERING, INC. Phone 772.398.4639 Fax 772.398.4654	DRN: JVS SCALE: N.T.S. REV: A	DATE: 4/19/05 DWG. NO: HSS0002 SHEET: 4 OF 5
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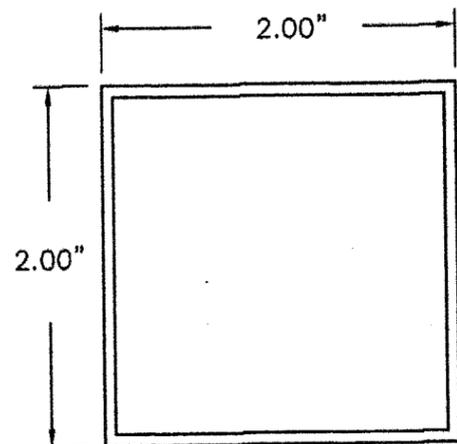
① FRAME HEAD, SILL & JAMB  
TYP. WALL THICKNESS 0.075



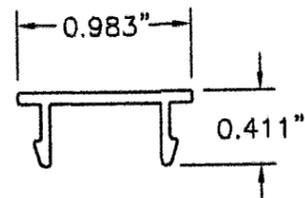
② WIRE RETAINER  
TYP. WALL THICKNESS 0.075



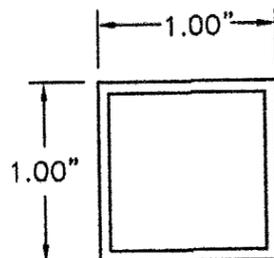
③ 2" X 2" ALUMINUM TUBE  
TYP. WALL THICKNESS 0.062



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 6063-T5 ALUMINUM
4		1" X 1" 1/16" ALUMINUM TUBE 6063-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" LAG 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"

Approved as complying with the  
Florida Building Code  
Date 09/26/2005  
NOA# 05-0520.01  
Miami Dade Product Control  
Division  
By Heley

*L. Roberto Lomas*  
08/10/05

**FORT HURRICANE PRODUCTS, INC.**  
1100 25TH. ST. UNIT 7A, WEST PALM BEACH, FL. 33407

TITLE: 28FX IMPACT SCREEN  
COMPONENTS & B.O.M.

PREPARED BY: **PTC**  
PTC ENGINEERING, INC.  
Phone 772.398.4639 Fax 772.398.4654

DRN: JVS DATE: 04/19/05  
SCALE: N.T.S. DWG. NO: HSS0002  
REV: A SHEET: 5 OF 5

SYM	REVISION	DATE	BY
A	Per Dade mark ups 8/11/05	8/17/05	BB