



MIAMI-DADE COUNTY
BUILDING CODE COMPLIANCE OFFICE (BCCO)
PRODUCT CONTROL DIVISION

MIAMI-DADE COUNTY, FLORIDA
METRO-DADE FLAGLER BUILDING

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

www.buildingcodeonline.com

NOTICE OF ACCEPTANCE (NOA)

Fort Hurricane Products, Inc.
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: 280P / Operable Impact Resistant Window Screen

APPROVAL DOCUMENT: Drawing No. HSS0012, titled " 280P / Egress Operable Impact Resistant Window 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., bearing the Miami-Dade County Product Control Renewal 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 #07-0927.02** 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
 10/27/2010

NOA No. 10-0810.04
Expiration Date: 08/11/2015
Approval Date: 10/27/2010
Page 1

Fort Hurricane Products, Inc.

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

1. EVIDENCE SUBMITTED UNDER PREVIOUS APPROVAL #05-0520.02

A. DRAWINGS

1. *Drawing No. HSS0001, titled " 280P / Egress Operable Impact Resistant Window Screen", sheets 1 through 5 of 5, prepared by PTC Engineering, Inc., dated April 19, 2005, last revision #A dated July 06, 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 Lab., Report No. CTLA 1366W, 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 July 7, 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 #07-0927.02

A. DRAWINGS

1. *Drawing No. HSS0012, titled " 280P / Egress Operable Impact Resistant Window 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.*

B. TESTS

1. *None.*

C. CALCULATIONS

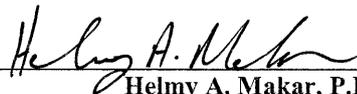
1. *Revised Anchor calculations prepared by PTC Engineering, Inc., dated July 19, 2010, sheets 1 through 8 of 8, signed and sealed by Robert J. Amoruso, P.E.*

D. QUALITY ASSURANCE

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

E. MATERIAL CERTIFICATIONS

1. *None.*



Helmy A. Makar, P.E., M.S.
Senior Product Control Examiner
NOA No. 10-0810.04
Expiration Date: 08/11/2015
Approval Date: 10/27/2010

Fort Hurricane Products, Inc.

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

3. NEW EVIDENCE SUBMITTED

A. DRAWINGS

1. *Drawing No. HSS0012, titled " 280P / Egress Operable Impact Resistant Window 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.*

B. TESTS

1. *None.*

C. CALCULATIONS

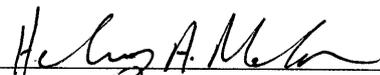
1. *Revised Anchor calculations prepared by PTC Engineering, Inc., dated July 19, 2010, sheets 1 through 8 of 8, signed and sealed by Robert J. Amoruso, P.E.*

D. QUALITY ASSURANCE

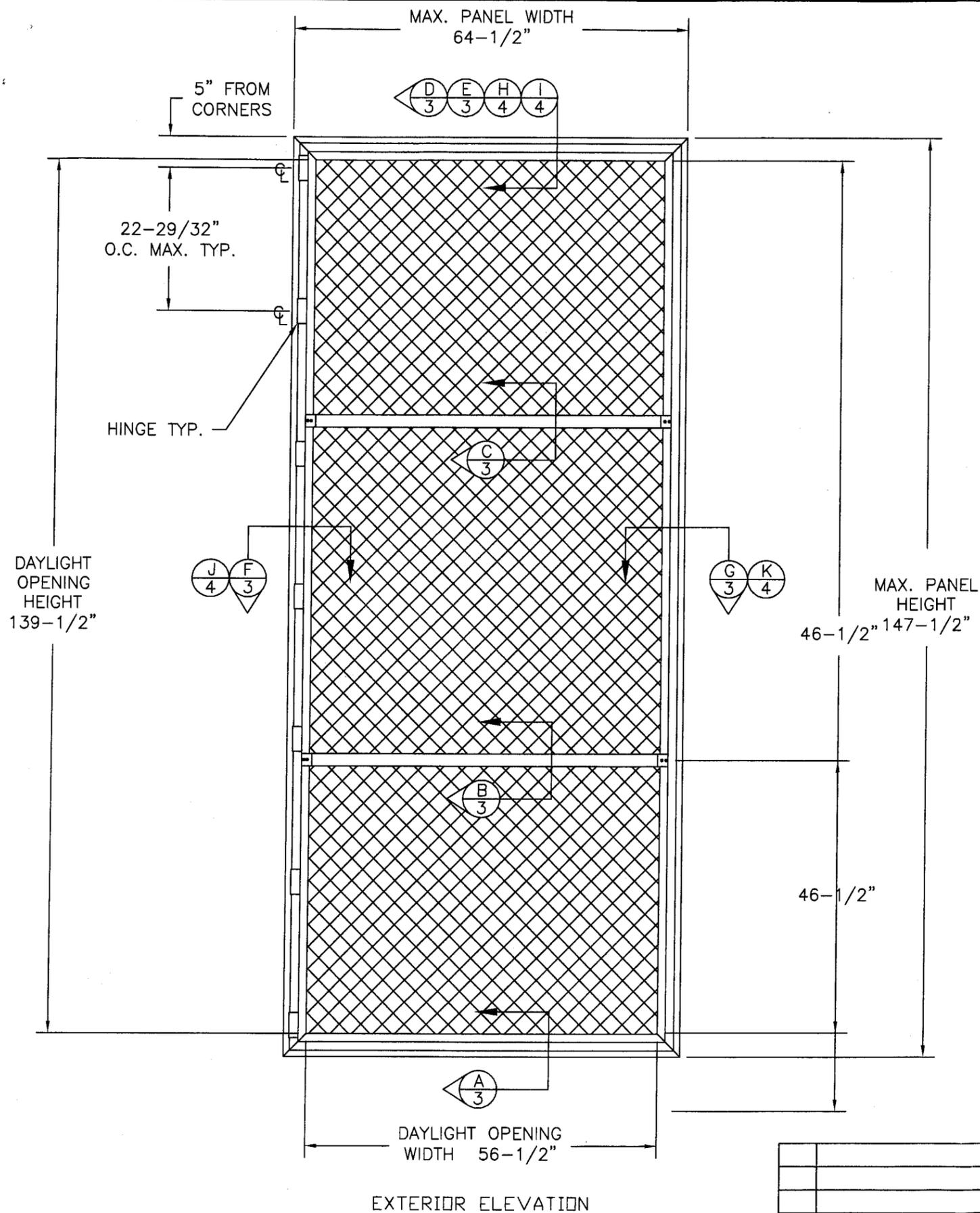
1. *By Miami-Dade County Building Code Compliance Office.*

E. MATERIAL CERTIFICATIONS

1. *None.*



Helmy A. Makar, P.E., M.S.
Senior Product Control Examiner
NOA No. 10-0810.04
Expiration Date: 08/11/2015
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GENERAL NOTES:

1. THE PRODUCT SHOWN HEREIN IS DESIGNED AND MANUFACTURED TO COMPLY WITH THE 2007 "HVHZ" FLORIDA BUILDING CODE.
2. CONCRETE, MASONRY AND 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 6005-T6.
4. A MINIMUM GLASS SEPARATION DISTANCE OF 4" SHALL BE PROVIDED FOR ALL INSTALLATIONS.

TABLE OF CONTENT	
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 PRESSURES	
W/2 1/2" MIN. EDGE DISTANCE	
+67.0 PSF	
-76.0 PSF	

PRODUCT RENEWED
 as complying with the Florida
 Building Code
 Acceptance No 10-0810.04
 Expiration Date 08/11/2015
 By *Heather A. Walker*
 Miami Dade Product Control
 Division

PRODUCT REVISED
 as complying with the Florida
 Building Code
 Acceptance No 07-0927.02
 Expiration Date 10/27/2010
 By *Heather A. Walker*
 Miami Dade Product Control
 Division

FORT HURRICANE PRODUCTS, INC.

5401 EAST AVE. WEST PALM BEACH, FL. 33407

TITLE: 280P/ EGRESS OPERABLE IMPACT RESISTANT WINDOW SCREEN

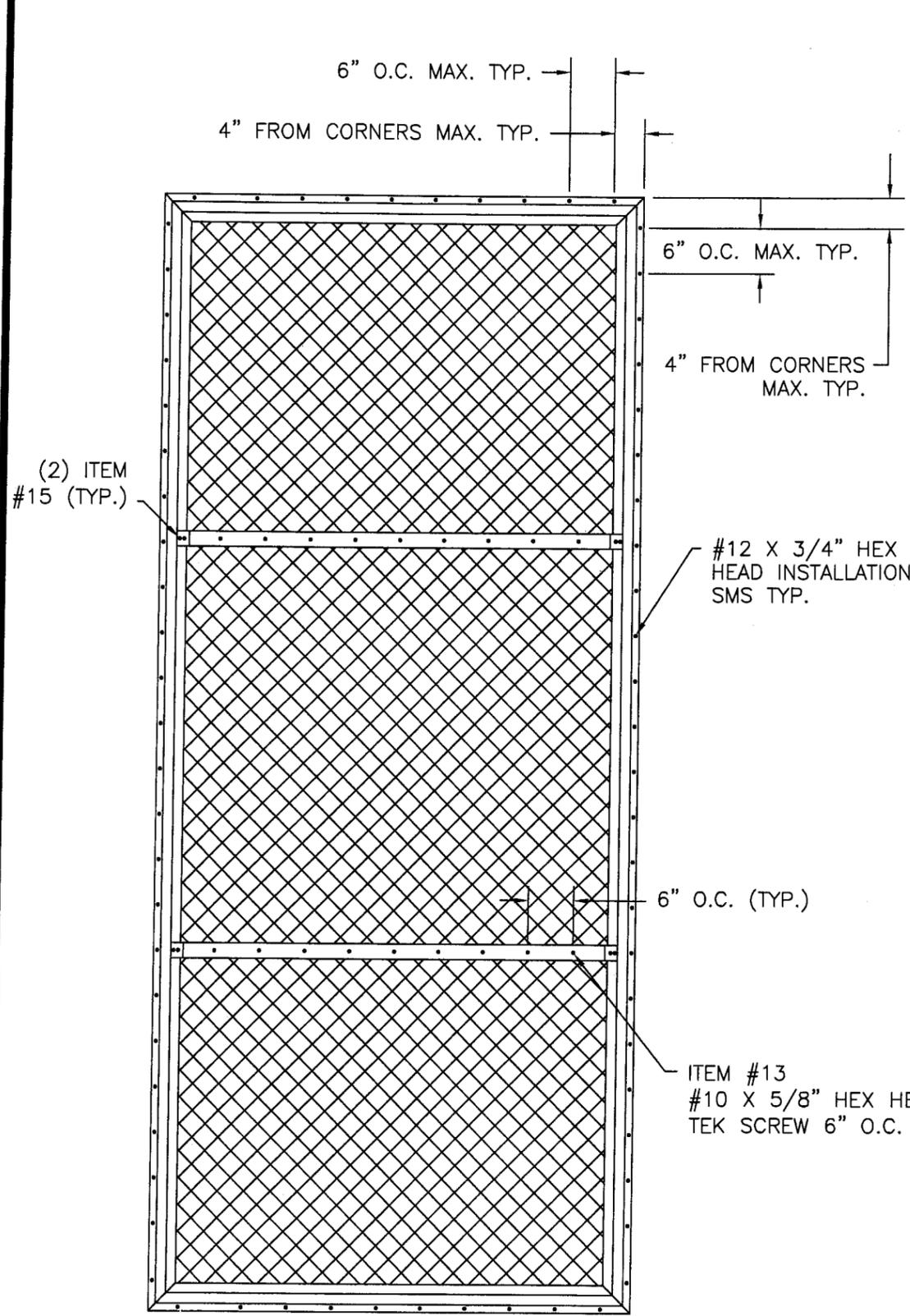
ELEVATION & NOTES

Wald 7/19/10
 ROBERT J. AMORUSO, P.E.
 Florida P. E. No. 49752
 PTC, LLC
 1535 N. CIGSWELL ST.
 ROCKLEDGE, FL 32955
 FBPE Certificate of Authorization NO. 25935

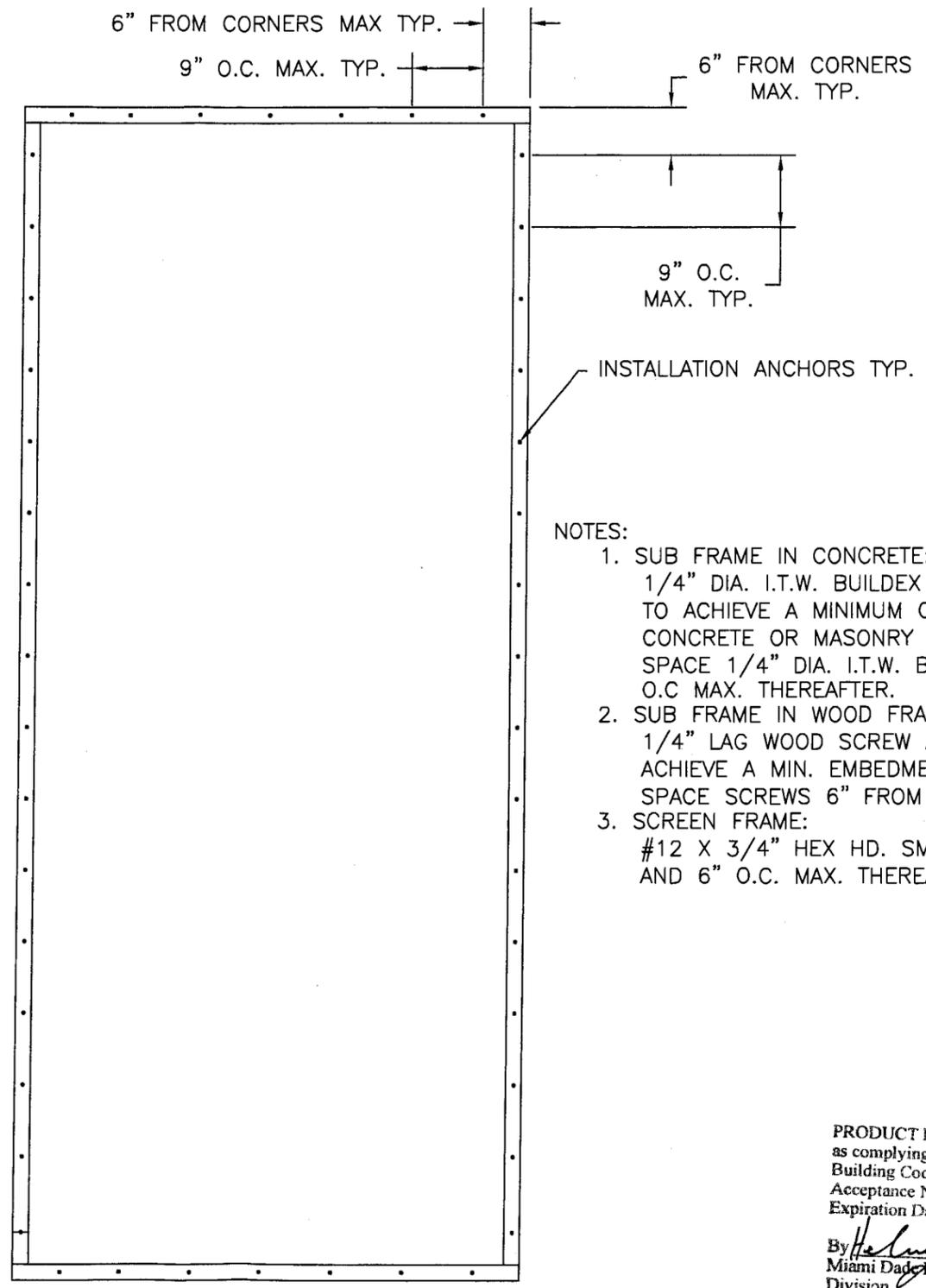
PREPARED BY:	DRN:	DATE:
PTC	JM	07/16/10
SCALE:	DWG. NO.:	
N.T.S.	HSS0012	
REV:	SHEET:	
	1 OF 5	

SYM	REVISION	DATE	BY

EXTERIOR ELEVATION



EXTERIOR ELEVATION
PANEL TO ALUMINUM
TUBE ANCHORING



EXTERIOR ELEVATION
ALUMINUM TUBE TO
SUBSTRATE/ WALL
ANCHORING

NOTES:

1. SUB FRAME IN CONCRETE:
1/4" DIA. I.T.W. BUILDEX TAPCON ANCHORS OF SUFFICIENT LENGTH TO ACHIEVE A MINIMUM OF 1-1/4" MIN. EMBEDMENT INTO CONCRETE OR MASONRY WITH A 2-1/2" MIN. EDGE DISTANCE. SPACE 1/4" DIA. I.T.W. BUILDEX TAPCON 6" FROM CORNERS & 9" O.C MAX. THEREAFTER.
2. SUB FRAME IN WOOD FRAMING:
1/4" LAG WOOD SCREW ANCHORS OF SUFFICIENT LENGTH TO ACHIEVE A MIN. EMBEDMENT OF 1-1/2" INTO WOOD FRAMING. SPACE SCREWS 6" FROM CORNERS & 9" O.C MAX. THEREAFTER.
3. SCREEN FRAME:
#12 X 3/4" HEX HD. SMS SPACE 4" FROM CORNERS AND 6" O.C. MAX. THEREAFTER.

PRODUCT RENEWED
as complying with the Florida
Building Code
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By *Heung A. Ma*
Miami Dade Product Control
Division

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By *Heung A. Ma*
Miami Dade Product Control
Division

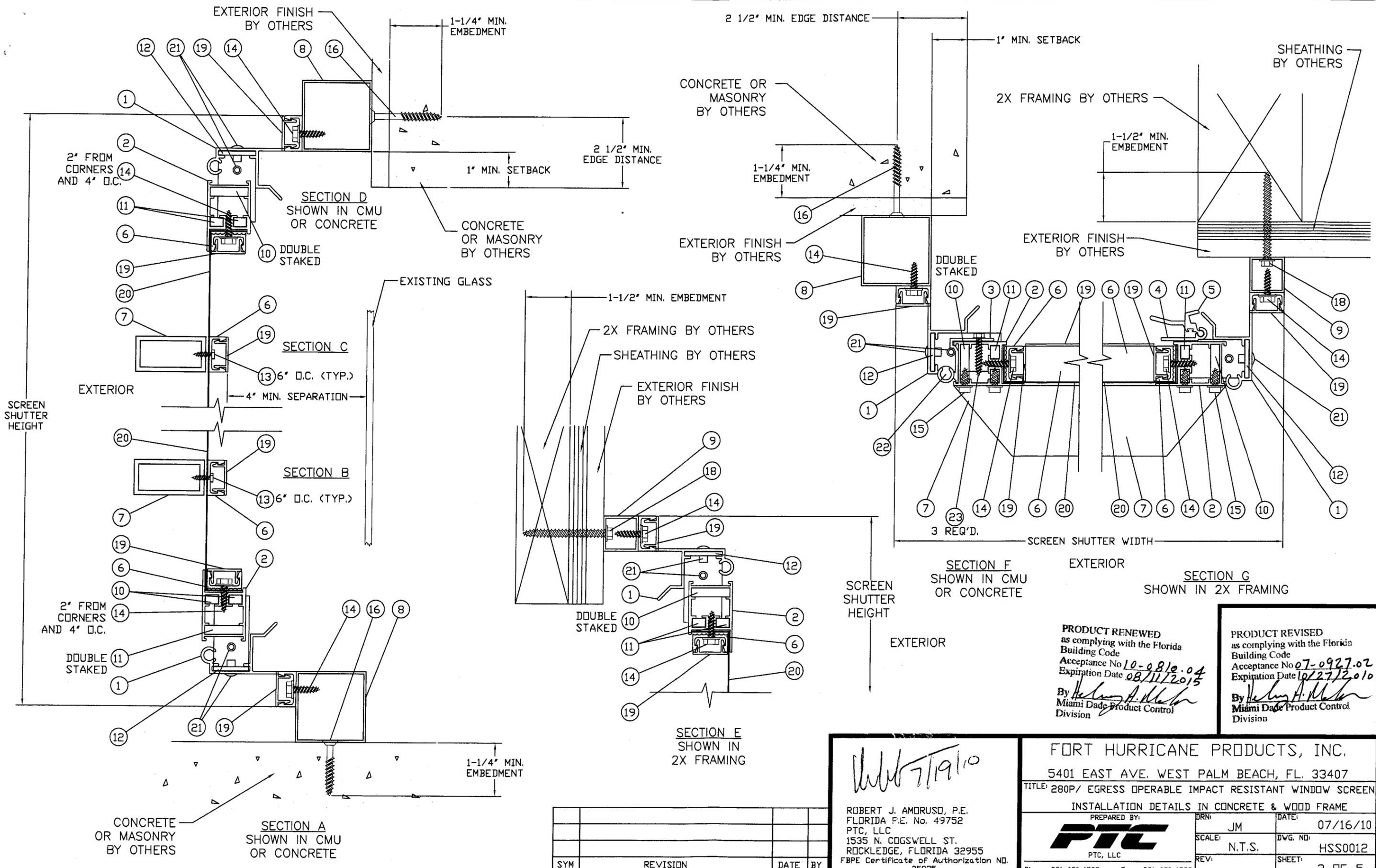
SYM	REVISION	DATE	BY

add stat 10

ROBERT J. AMOROSO, 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: EGRESS OPERABLE IMPACT RESISTANT WINDOW SCREEN ANCHORING & NOTES

PREPARED BY: PTC PTC, LLC	DRN: JM	DATE: 07/16/10
SCALE: N.T.S.	DWG. NO: HSS0012	
REV:	SHEET:	2 OF 5
Phone 321-690-1788 Fax 321-690-1789		



PRODUCT RENEWED
 as complying with the Florida
 Building Code
 Acceptance No 10-0810.04
 Expiration Date 08/11/2015
 By *Herby A. Walker*
 Miami Dade Product Control
 Division

PRODUCT REVISED
 as complying with the Florida
 Building Code
 Acceptance No 07-0927.02
 Expiration Date 10/27/2010
 By *Herby A. Walker*
 Miami Dade Product Control
 Division

WJ 7/19/10

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

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

TITLE: 280P/ EGRESS OPERABLE IMPACT RESISTANT WINDOW SCREEN

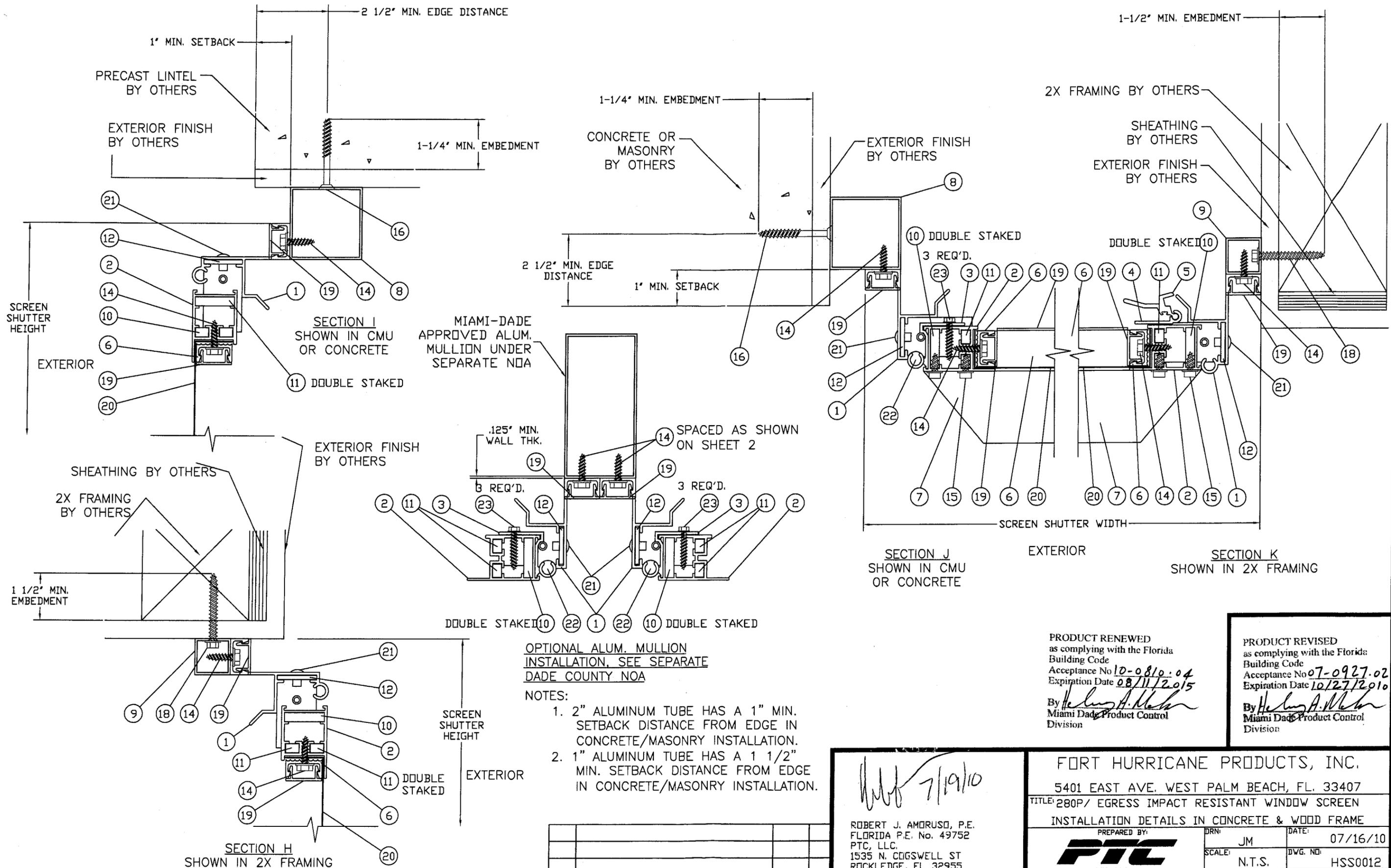
INSTALLATION DETAILS IN CONCRETE & WOOD FRAME

PREPARED BY: **PTC** PTC, LLC

DRN: JM DATE: 07/16/10
 SCALE: N.T.S. DWG. NO: HSS0012
 REV: SHEET: 3 OF 5

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

SYM	REVISION	DATE	BY



OPTIONAL ALUM. MULLION
INSTALLATION. SEE SEPARATE
DADE COUNTY NOA

NOTES:

1. 2" ALUMINUM TUBE HAS A 1" MIN. SETBACK DISTANCE FROM EDGE IN CONCRETE/MASONRY INSTALLATION.
2. 1" ALUMINUM TUBE HAS A 1 1/2" MIN. SETBACK DISTANCE FROM EDGE IN CONCRETE/MASONRY INSTALLATION.

SYM	REVISION	DATE	BY

PRODUCT RENEWED
as complying with the Florida
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Expiration Date 08/11/2015
By *Heather A. Walker*
Miami Dade Product Control
Division

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By *Heather A. Walker*
Miami Dade Product Control
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WJF 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

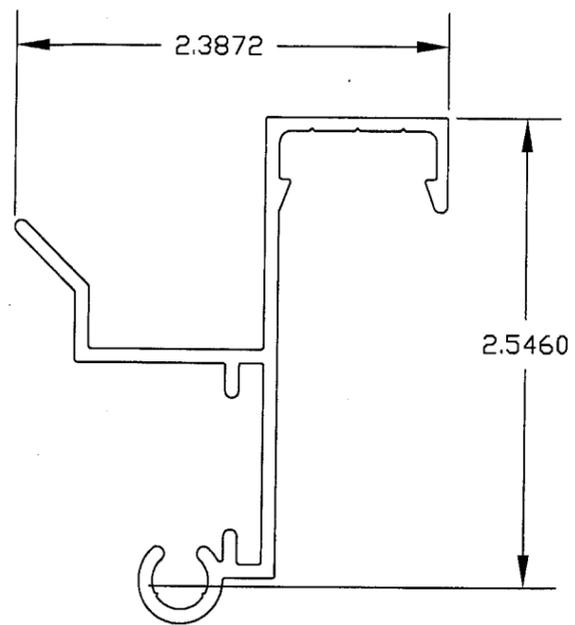
FORT HURRICANE PRODUCTS, INC.
5401 EAST AVE. WEST PALM BEACH, FL. 33407

TITLE: 280P/ EGRESS IMPACT RESISTANT WINDOW SCREEN
INSTALLATION DETAILS IN CONCRETE & WOOD FRAME

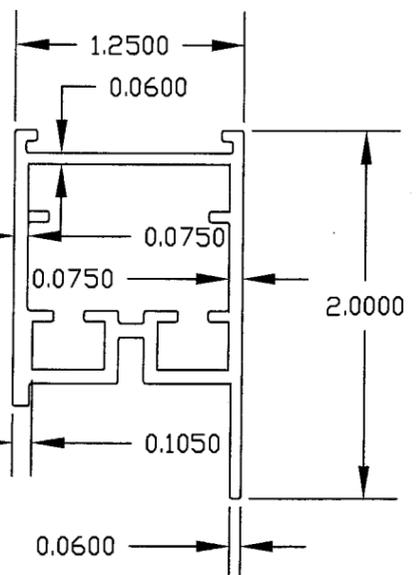
PREPARED BY: **PTC** PTC, LLC
DRN: JM DATE: 07/16/10
SCALE: N.T.S. DWG. NO: HSS0012
REV: SHEET: 4 OF 5

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

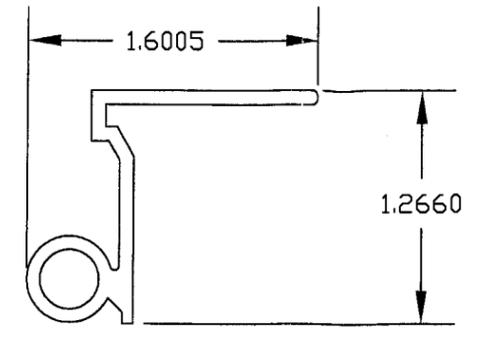
① FRAME HEAD, SILL & JAMB
TYP. WALL THICKNESS 0.075



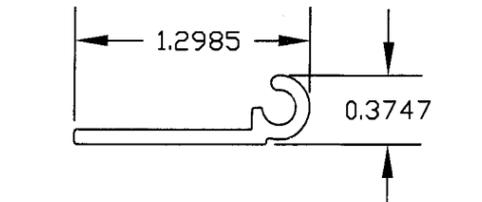
② VENT HEAD, SILL & JAMB
TYP. WALL THICKNESS 0.075
6005-T6
NO ALLOY OR TEMPER SPECIFIED



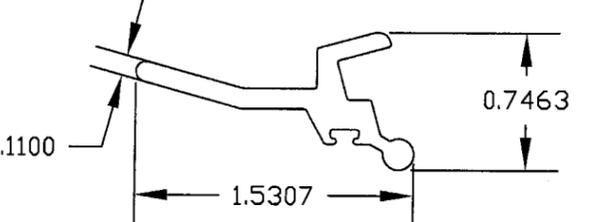
③ SCREEN HINGE
TYP. WALL THICKNESS 0.078
6005-T6



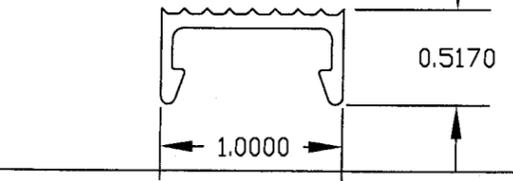
④ SCREEN LOCK PART A
TYP. WALL THICKNESS 0.078



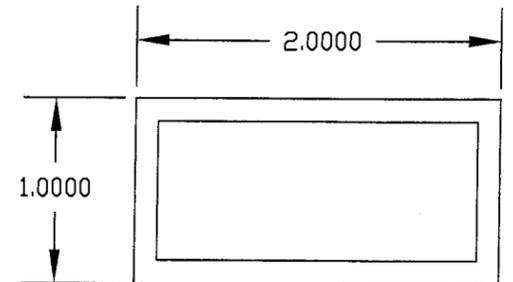
⑤ SCREEN LOCK PART B
TYP. WALL THICKNESS 0.075



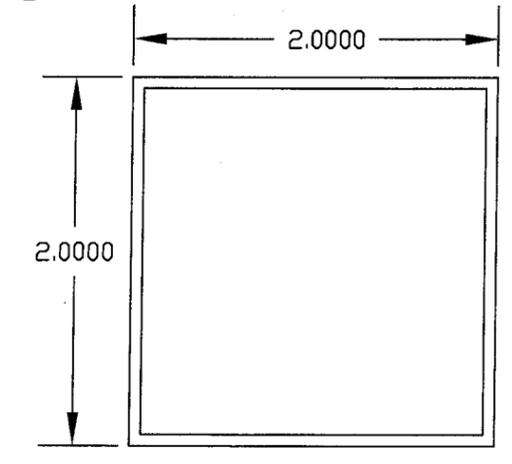
⑥ WIRE RETAINER
TYP. WALL THICKNESS 0.075
NO ALLOY & TEMPER SPECIFIED



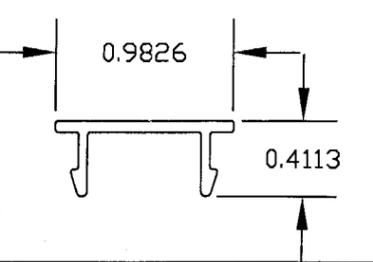
⑦ 1" X 2" ALUMINUM TUBE
TYP. WALL THICKNESS 0.125



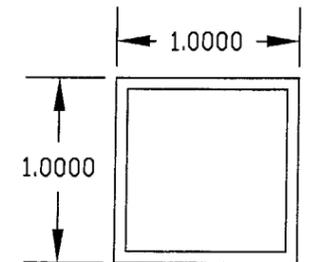
⑧ 2" X 2" ALUMINUM TUBE
TYP. WALL THICKNESS 0.062



⑨ SCREEN COVER
TYP. WALL THICKNESS 0.050



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



BILL OF MATERIALS

ITEM #	PART #	DESCRIPTION
1	2726	FRAME HEAD, SILL & JAMB 6006-T6 ALUMINUM
2	2711	VENT HEAD, SILL & STILE 6005-T6 ALUMINUM
3	2733	SCREEN HINGE
4	2724	SNAP LOCK PART A
5	2725	SNAP LOCK PART B
6	2721	WIRE RETAINER
7		1" X 2" X 1/8" ALUMINUM TUBE
8		2" X 2" X 1/16" ALUMINUM TUBE
9		1" X 1" & 1" X 2" X 1/16" ALUMINUM TUBE
10		OUTER VENT CORNER KEY 2" X 2" X 1.1 X 1/4"
11		INNER VENT CORNER KEY 2" X 2" X .400 X 1/8"
12		SUB FRAME ANGLE CORNER KEY 2" X 2" X 1/8"
13		#10 X 5/8" TEK SCREW
14		#12 -14 X 3/4" HEX HEAD SMS
15		#14 X 1/2" HEX HEAD SELF TAPPING FASTENER
16		1/4" X 2-1/4" TAPCON
17		NOT USED
18		1/4" LAG SCREW
19	2730	SCREW COVER
20		MESH 12 X 12 SCREEN SS 304 THREAD 0.028" OR 0.032" THICK
21		1/8" POP RIVET
22		SPRING LOADED HINGE PIN ASSEMBLY
23		#12 X 1" HEX HEAD SELF TAPPING SMS

PRODUCT RENEWED
as complying with the Florida
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By *Heather A. Miller*
Miami Dade Product Control
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FORT HURRICANE PRODUCTS, INC.
5401 EAST AVE. WEST PALM BEACH, FL. 33407
TITLE: 280P/ EGRESS IMPACT RESISTANT WINDOW SCREEN
BILL OF MATERIALS & COMPONENTS

PREPARED BY: PTC PTC, LLC	DRN: JM	DATE: 07/16/10
SCALE: N.T.S.	DWG. NO: HSS0012	
REVI:	SHEET: 5 OF 5	

WJL 7/19/10
ROBERT J. AMORUSO, P.E.
FLORIDA P.E. No. 49752
PTC, LLC
1535 N. COGSWELL ST
ROCKLEDGE, FL 32955
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SYM	REVISION	DATE	BY