



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.miamidade.gov

NOTICE OF ACCEPTANCE (NOA)

Protech Screens, Inc.
 2425 Roy Road
 Pearland, TX 77558

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: 0.028" Stainless Steel Hurricane Screen Barrier

APPROVAL DOCUMENT: Drawing No. 05-016r1, titled " Hurricane Screen Barrier ", sheets 1 through 7 of 7, prepared by EngCo, Inc., dated July 11, 2005, signed and sealed by Pedro De Figueiredo, P.E. on July 11, 2005, bearing the Miami-Dade County Product Control Renewal stamp with the Notice of Acceptance number and expiration date by the Miami-Dade County Product Control Division.

MISSILE IMPACT RATING: Large and Small Missile Impact

LABELING: Each module 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 #05-0912.02** and consists of this page 1, evidence submitted pages E-1, E-2, E-3 & E-4 as well as approval document mentioned above.

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



Helmy A. Makar
 04/19/2007

NOA No 07-0208.08
 Expiration Date: 08/22/ 2012
 Approval Date: 04/19/ 2007
 Page 1

Protech Screens, Inc.

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

1. EVIDENCE SUBMITTED UNDER PREVIOUS APPROVAL # 02-0212.06

A. DRAWINGS

1. *Manufacturer's die drawings and sections.*
2. *Drawing No. 02-623, titled "Hurricane Screen Shutter", sheets 1 through 3, prepared by EngCo, Inc., dated 5/22/02, signed and sealed by Pedro De Figueiredo, P.E.*

B. TESTS

1. *Test reports on 1)Uniform Static Air Pressure Test, Loading per SFBC PA 202-94
2) Cyclic Wind Pressure Loading per SFBC, PA 203-94
3) Large Missile Impact Test per SFBC, PA 201-94
along with marked-up drawings and installation diagram of an aluminum hurricane screen shutter with a stainless steel screen, prepared by Hurricane Testing Laboratories, Test Report No. 0203-1221-01, dated 12/17/01, signed and sealed by Vinu Abraham, P.E.*

C. CALCULATIONS

1. *Anchor Calculations and structural analysis, prepared by EngCo, Inc., dated 5/28/02, signed and sealed by Pedro De Figueiredo, P.E.*

D. MATERIAL CERTIFICATIONS

1. *None*

E. STATEMENTS

1. *Statement letter of conformance and no financial interest, dated 5/31/02, signed and sealed by Pedro De Figueiredo, P.E.*

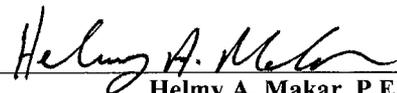
F. OTHER

1. *Letter from Pistorino & Alam Consulting Engineers, Inc.*

2. EVIDENCE SUBMITTED UNDER PREVIOUS APPROVAL # 03-0528.01

A. DRAWINGS

1. *Manufacturer's die drawings and sections.*
2. *Drawing No. 02-623R1, titled "Hurricane Screen Shutter", sheets 1 through 5 of 5, prepared by EngCo, Inc., revision #1, dated April 25, 2003, signed and sealed by Pedro De Figueiredo, P.E.,*



Helmy A. Makar, P.E., M.S.
Product Control Examiner
NOA No 07-0208.08
Expiration Date: 08/22/ 2012
Approval Date: 04/19/ 2007

Protech Screens, Inc.

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

B. TESTS

1. *Test reports on Uniform Static Air Pressure Test per TAS 202, Cyclic Wind Pressure per TAS 203, and Large Missile Impact Test per TAS 201 along with marked-up drawings and installation diagram of Series "F" Frame Operable Impact Screen, prepared by Construction Consulting Laboratory, International, Test Report No. CCLI-02-150, dated May 19, 2003, signed and sealed by Abdol H. Rezadad, P.E.*
2. *Test reports on Uniform Static Air Pressure Test per TAS 202, Cyclic Wind Pressure per TAS 203, and Large Missile Impact Test per TAS 201 along with marked-up drawings and installation diagram of Series "L" Frame Triple Mulled Impact Screen, prepared by Construction Consulting Laboratory, International, Test Report No. CCLI-03-028, dated May 6, 2003, signed and sealed by Abdol H. Rezadad, P.E.*

C. CALCULATIONS

1. *Anchor Calculations and structural analysis, 20 pages, prepared by EngCo, Inc., dated May 13, 2003, signed and sealed by Pedro De Figueiredo, P.E.*
2. *Anchor Calculations and structural analysis, 6 pages, prepared by EngCo, Inc., dated June 3, 2002, signed and sealed by Pedro De Figueiredo, P.E.*

D. QUALITY ASSURANCE

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

E. MATERIAL CERTIFICATIONS

1. *None*

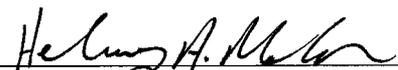
3. EVIDENCE SUBMITTED UNDER PREVIOUS APPROVAL #05-0228.04

A. DRAWINGS

1. *Drawing No. 05-016, titled " Hurricane Screen Barrier ", sheets 1 through 7 of 7, prepared by EngCo, Inc., dated January 14, 2005, signed and sealed by Pedro De Figueiredo, P.E. on April 11, 2005.*

B. TESTS

1. *Test reports on Uniform Static Air Pressure Test per TAS 202, Cyclic Wind Pressure per TAS 203, and Large Missile Impact Test per TAS 201 along with marked-up drawings and installation diagram of Series "F" Frame Operable Impact Screen, prepared by Construction Consulting Laboratory, International, Test Report No. CCLI-04-040, dated April 12, 2004, signed and sealed by Abdol H. Rezadad, P.E.*



Helmy A. Makar, P.E., M.S.

Product Control Examiner

NOA No 07-0208.08

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Protech Screens, Inc.

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

2. *Test reports on Uniform Static Air Pressure Test per TAS 202, Cyclic Wind Pressure per TAS 203, and Large Missile Impact Test per TAS 201 along with marked-up drawings and installation diagram of Series "Z" Impact Screen, prepared by Construction Consulting Laboratory, International, Test Report No. CCLI-04-145, dated September 10, 2004, signed and sealed by Abdol H. Rezadad, P.E.*
3. *Test reports on Uniform Static Air Pressure Test per TAS 202, and Cyclic Wind Pressure per TAS 203, along with marked-up drawings and installation diagram of Series "Z" Impact Screen, prepared by Construction Consulting Laboratory, International, Test Report No. CCLI-04-162, dated September 23, 2004, signed and sealed by Abdol H. Rezadad, P.E.*

C. CALCULATIONS

1. *Anchor Calculations and structural analysis, 20 pages, prepared by EngCo, Inc., dated February 24, 2005, signed and sealed by Pedro De Figueiredo, P.E.*

D. QUALITY ASSURANCE

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

E. MATERIAL CERTIFICATIONS

1. *None*

4. EVIDENCE SUBMITTED UNDER PREVIOUS APPROVAL # 05-0912.02

A. DRAWINGS

1. *Drawing No. 05-016r1, titled "Hurricane Screen Barrier", sheets 1 through 7 of 7, prepared by EngCo, Inc., dated July 11, 2005, signed and sealed by Pedro De Figueiredo, P.E. on July 11, 2005.*

B. TESTS

1. *None.*

C. CALCULATIONS

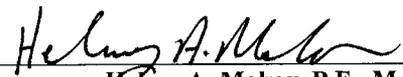
1. *None.*

D. QUALITY ASSURANCE

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

E. MATERIAL CERTIFICATIONS

1. *None.*



Helmy A. Makar, P.E., M.S.
Product Control Examiner
NOA No 07-0208.08
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Protech Screens, Inc.

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

5. NEW EVIDENCE SUBMITTED

A. DRAWINGS

1. *None.*

B. TESTS

1. *None.*

C. CALCULATIONS

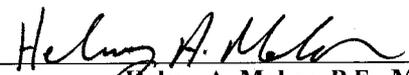
1. *None.*

D. QUALITY ASSURANCE

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

E. MATERIAL CERTIFICATIONS

1. *None*



Helmy A. Makar, P.E., M.S.

Product Control Examiner

NOA No 07-0208.08

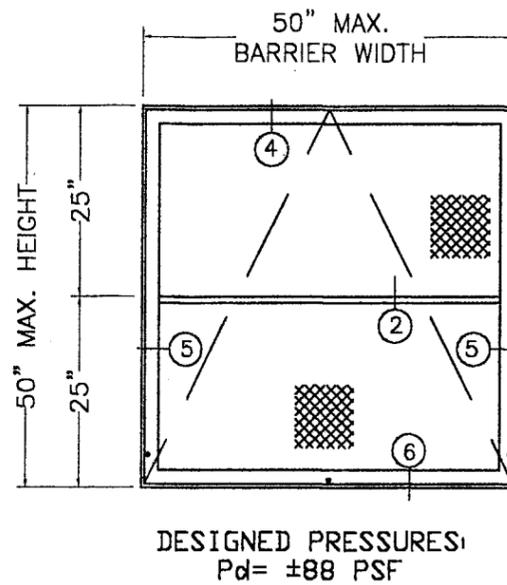
Expiration Date: 08/22/ 2012

Approval Date: 04/19/ 2007

GENERAL NOTES:

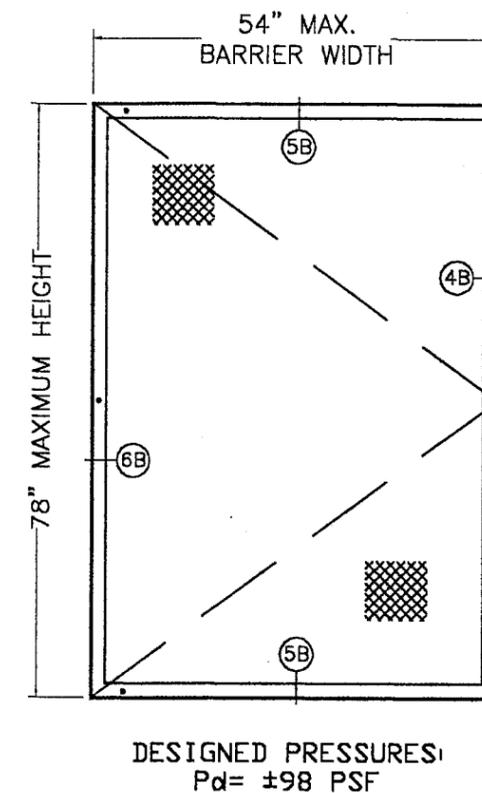
- 1- DEFINITION: THIS PRODUCT IS A HURRICANE SCREEN BARRIER, TESTED AND DESIGNED TO PROTECT A GLAZING OPENING, PROVIDING PROTECTION FROM LARGE MISSILE FLYING DEBRIS WITH THE ALLOWABLE DESIGNED PRESSURES AND SIZES STATED IN THIS APPROVAL.
- 2- CODE: THIS PRODUCT HAS BEEN TESTED AND DESIGNED IN ACCORDANCE WITH THE FLORIDA BUILDING CODE 2004 EDITION, (INCLUDING HIGH VELOCITY HURRICANE ZONE).
- 3- LABELING: A PERMANENT LEGIBLE LABEL SHALL BE PLACED AT EACH MODULE AT A VISIBLE LOCATION STATING THE FOLLOWING:
 PROTECH SCREEN, INC.
 MIAMI - FLORIDA
 MIAMI-DADE COUNTY PRODUCT CONTROL APPROVED
- 4- LOADS: WIND PRESSURE CALCULATIONS SHALL BE PERFORMED BY A PROFESSIONAL ARCHITECT OR ENGINEER IN ACCORDANCE WITH ASCE 7-
- 5- MATERIAL: ALL ALUMINUM COMPONENTS SHALL BE EXTRUDED SHAPES 6063-T5 OR AS NOTED.
- 6- FASTENERS: ASSEMBLY SCREWS AND ANCHORS SHALL BE AS SPECIFIED BY THE CURRENT SET OF DRAWINGS. INSTALLATION AND LOADS AS PER THIS APPROVAL.
- 7- 33 1/3% INCREASE IN ALLOWABLE LOADS HAVE NOT BEEN USED IN THE DESIGN OF THE ANCHORS FOR THIS PRODUCT APPROVAL, HOWEVER, LAG WOOD SCREWS WITH 1.33 INCREASE FOR WIND LOAD DURATION HAVE BEEN USED.

**TYPE A BARRIER
OUT-SWING OPERABLE
SHEET 2 OF 7**

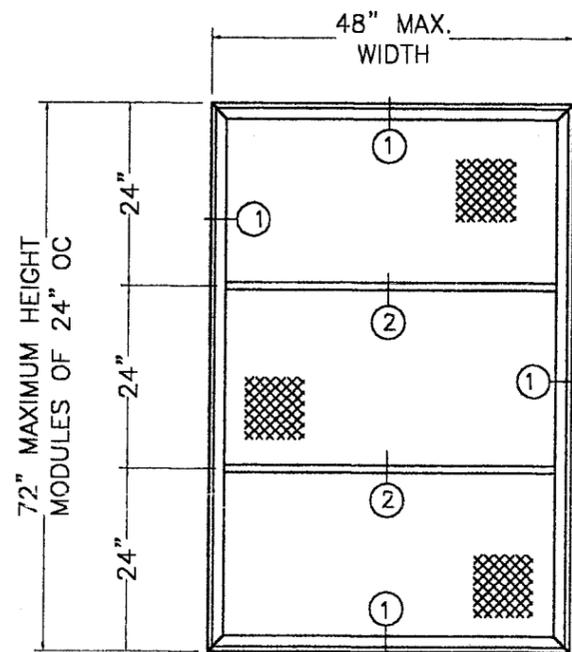


NOTES:
 1- PRODUCT CAN BE INSTALLED ROTATED.
 2- #12X.028 - 40% POROSITY (SCREEN)

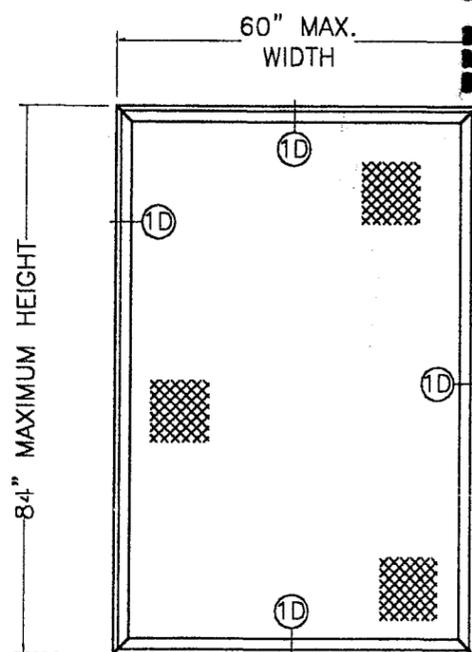
**TYPE B BARRIER
OUT-SWING OPERABLE
SHEET 3 OF 7**



**TYPE C
FIXED BARRIER
SHEET 4 OF 7**

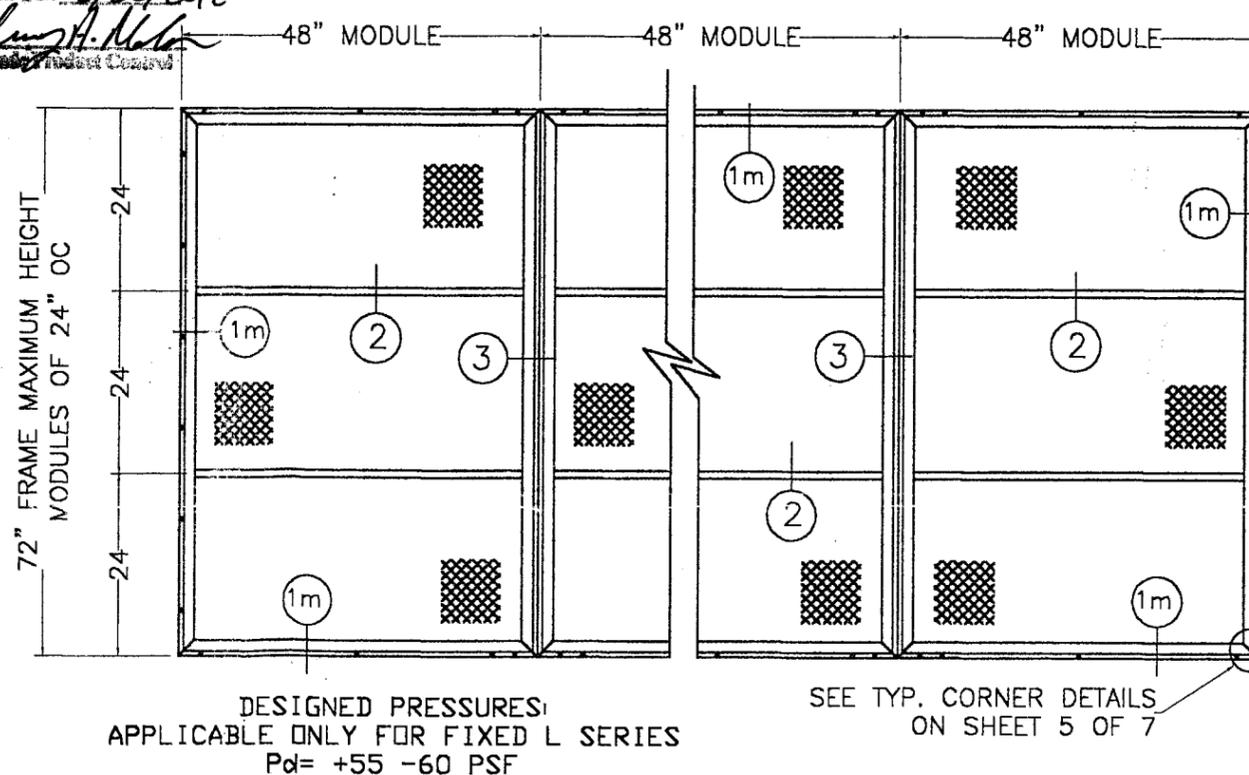


**TYPE D
FIXED BARRIER
SHEET 5 OF 7**



PRODUCT REVISED
 as complying with the Florida
 Building Code
 Acceptance No. 07-0208-08
 Expiration Date 08/22/2012
 By Helmut A. Nabe
 Miami Dade Product Control
 Division

**TYPE E
MULTIPLE FIXED BARRIERS
SHEET 6 OF 7**



Manufacturer:
**Protech
Screens,
Inc.**

2425 ROY ROAD
PEARLAND - TEXAS
Tel.: (281) 485 2300
Fax.: (281) 485 8837

Product:
**HURRICANE
SCREEN
BARRIER**

Engineering:
EngCo Inc.

CA 8116
6971 W. Sunrise Blvd. 104
Plantation, Fl. 33313
Tel.: (954) 585-0304
Fax: (954) 585-0305

[Signature]
JUL 11 2005

Engineer Seal
Pedro De Figueiredo
PE 52609

Date: 7/11/05
Scale: NA
Design by: PPMF

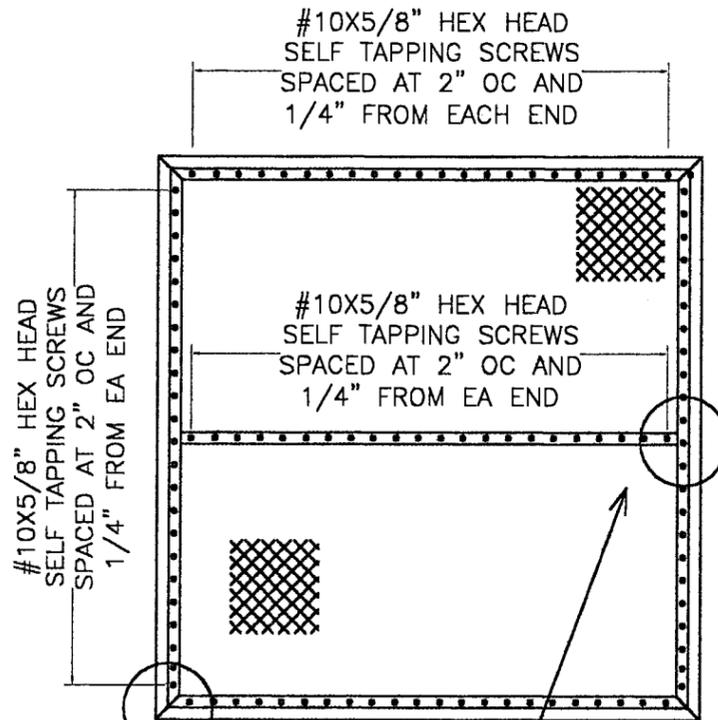
PRODUCT CONTROL DIVISION
 PRODUCT REVISED
 as complying with the Florida
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 Expiration Date 08/22/2007
 By Helmut A. Nabe
 Miami Dade Product Control
 Division

Drawing Number
05-016r1

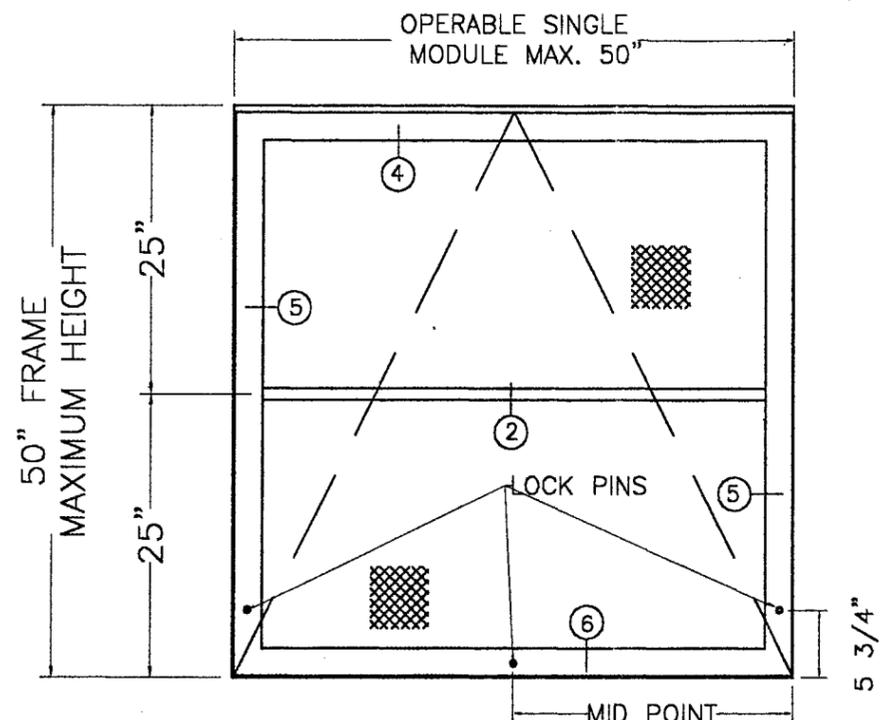
Sheet
1 of 7

**TYPE A - OUT-SWING OPERABLE SINGLE MODULES
APPLICABLE ONLY FOR "F" SERIES**

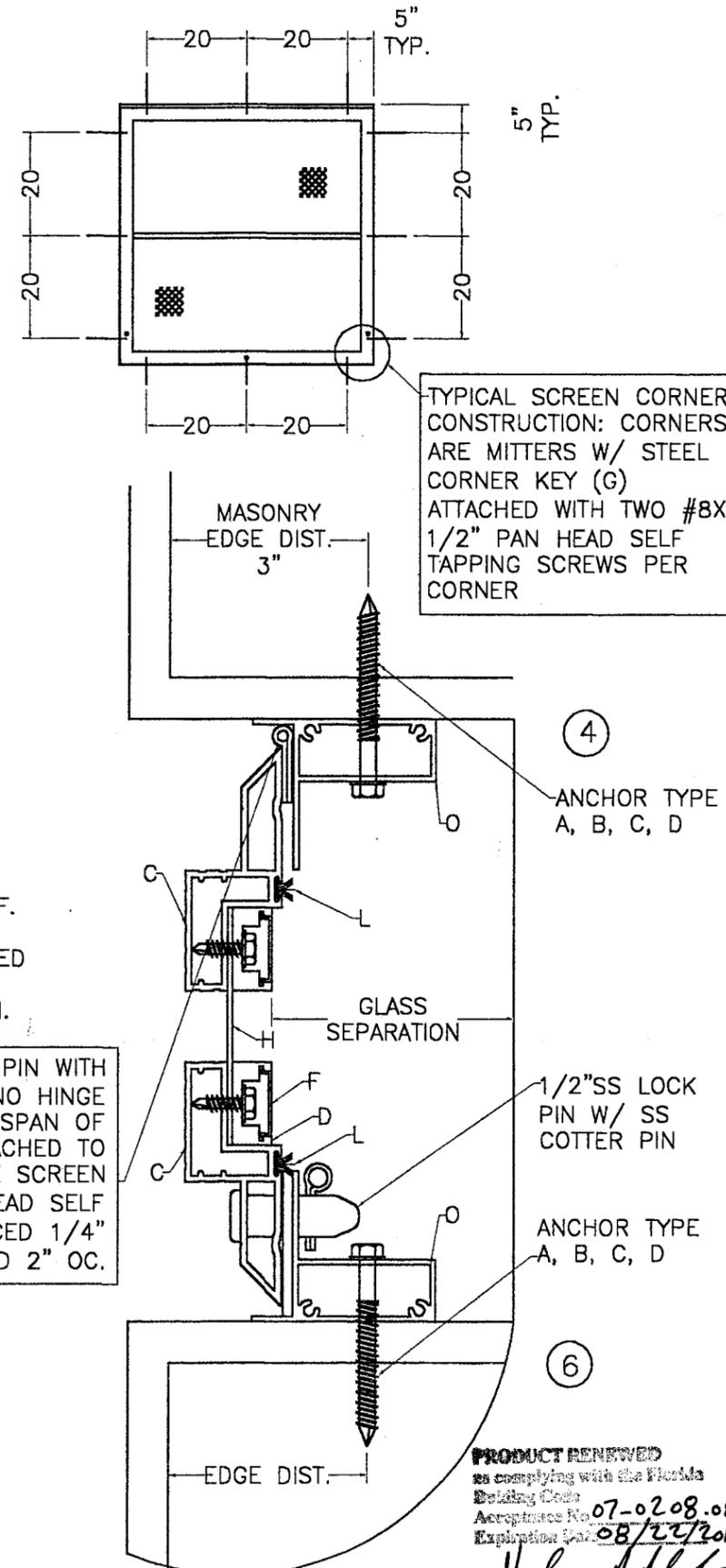
REAR BARRIER ELEVATION TYPICAL SCREEN
PANEL ASSEMBLY SCREWS LAY-OUT



FRONT BARRIER ELEVATION TYPICAL SCREEN
PANEL LOCKING PINS AND HINGE LAY-OUT



ANCHOR LAY-OUT



#10X5/8" HEX HEAD SELF TAPPING SCREWS SPACED AT 2" OC AND 1/4" FROM EA END

#10X5/8" HEX HEAD SELF TAPPING SCREWS SPACED AT 2" OC AND 1/4" FROM EA END

(2) #8X1 PH SELF TAPPING SCREWS

CENTER BAR DOES NOT CONNECT TO PERIMETER FRAMING

EDGE DISTANCE:

SUBSTRATUM	EDGE DISTANCE
CONCRETE	3"
BLOCK	3"
WOOD	3/4"
METAL	3/4"

SUBFRAMING ASSEMBLY

.0625"-1x7 ALUMINUM REINF. PLATE AT EACH LOCK PIN LOCATION. PLATE IS ADHEARED TO SUBFRAME WITH LIQUID ALUMINUM WELD BY DEVCON.

2X.06X.125 DIAM PIN WITH 1/2" ALUM. PIANO HINGE LOCATED FULL SPAN OF FRAME HEAD ATTACHED TO FRAME AND OPERABLE SCREEN BY #8X1/2" PAN HEAD SELF TAPPING SCREWS SPACED 1/4" FROM EA. END AND 2" OC.

1/2"SS LOCK PIN W/ SS COTTER PIN

GLASS SEPARATION:

(SINGLE UNIT - TYPE A)
"F" SERIES OPERABLE
ELEVATION <= 30' 5 1/4"
ELEVATION > 30' 2 3/4"

ANCHORS:

TYPE	DESCRIPTION	SUBSTRATUM	MIN. EMBED.
A	1/4" TAPCON	MIN. 3320 PSI CONCRETE	1 3/4"
B	1/4" TAPCON	CONCRETE HOLLOW BLOCK	1 1/4"
C	1/4" LAG SCREW	WOOD WITH SG >= .55	1 1/2"
D	1/4"-14X1 1/2" DRIL-FLEX	6063-T5 ALUM	-
D	1/4"-14X1 1/2" DRIL-FLEX	A36 STEEL	-

PRODUCT RENEWED
as complying with the Florida Building Code
Acceptance No. 07-0208.08
Expiration Date 08/22/2012
By *Helmy A. Matar*
Miami Dade Product Control Division

Manufacturer:
Protech Screens, Inc.

2425 ROY ROAD
PEARLAND - TEXAS
Tel.: (281) 485 2300
Fax.: (281) 485 8837

Product:
HURRICANE SCREEN BARRIER

Engineering:
EngCo Inc.

CA 8116
6971 W. Sunrise Blvd. 104
Plantation, FL 33313
Tel.: (954) 585-0304
Fax: (954) 585-0305

[Signature]
JUL 11 2005
Engineer Seal
Pedro De Figueiredo
PE 52609

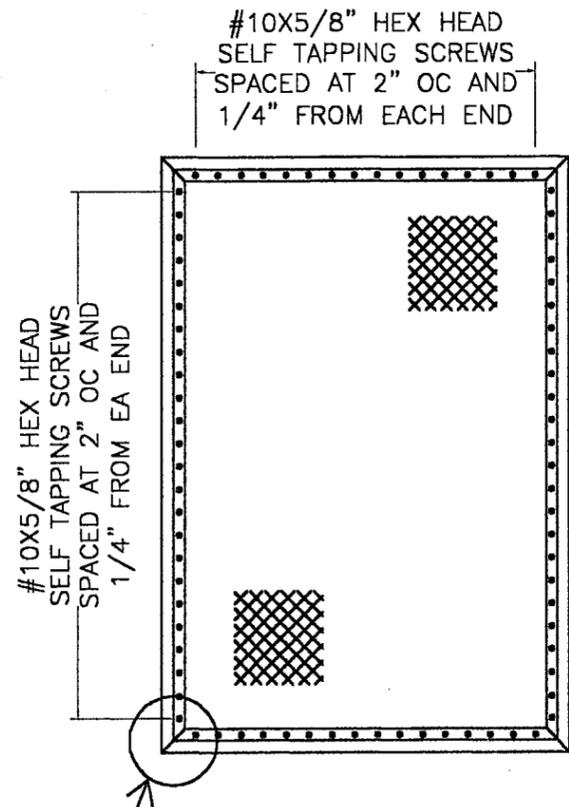
Date: 7/11/05
Scale: NA
Design by: PPMF

PRODUCT CONTROL DIVISION
PRODUCT REVISED
as complying with the Florida Building Code
Acceptance No. 05-0912.02
Expiration Date 08/22/2007
By *Helmy A. Matar*
Miami Dade Product Control Division

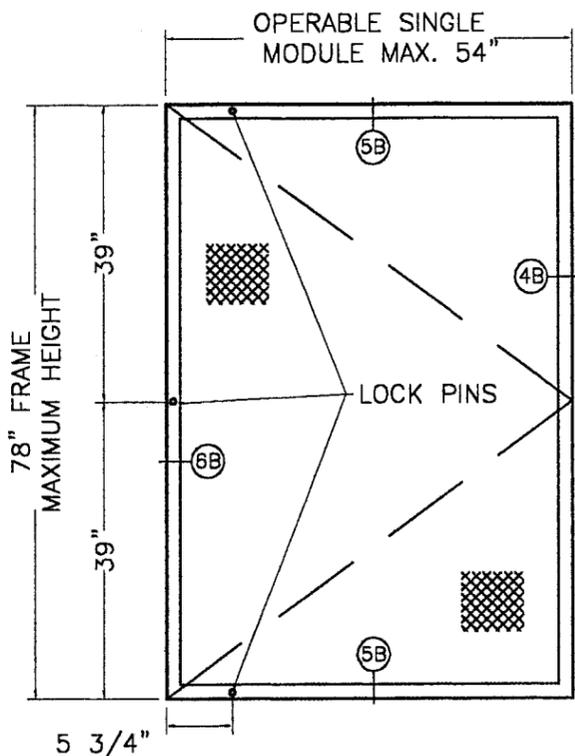
Drawing Number
05-016r1

Sheet
2 of 7

**TYPE B - ALTERNATE OUT-SWING OPERABLE SINGLE MODULES
APPLICABLE ONLY FOR "F" SERIES**



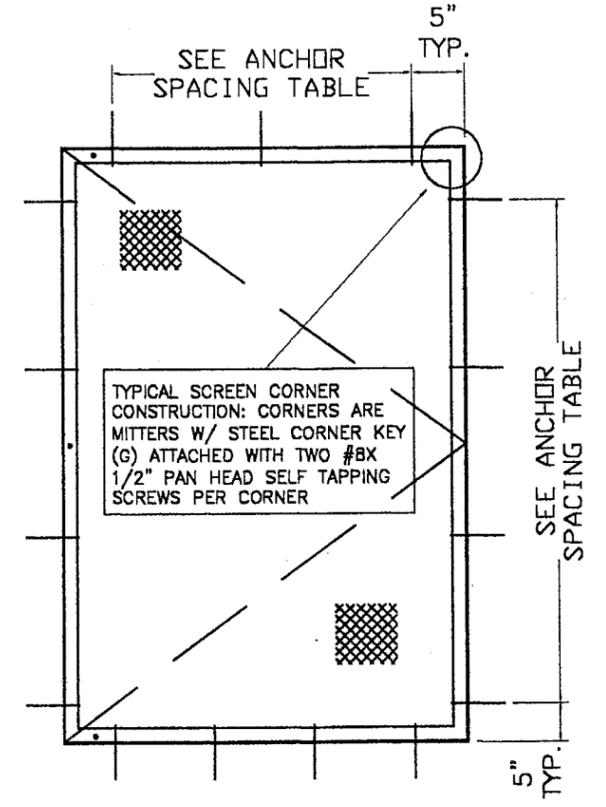
SUBFRAMING ASSEMBLY SAME AS TYPE A
REAR BARRIER ELEVATION TYPICAL SCREEN PANEL ASSEMBLY SCREWS LAY-OUT



FRONT BARRIER ELEVATION TYPICAL PANEL LOCKING PINS AND HINGE LAY-OUT

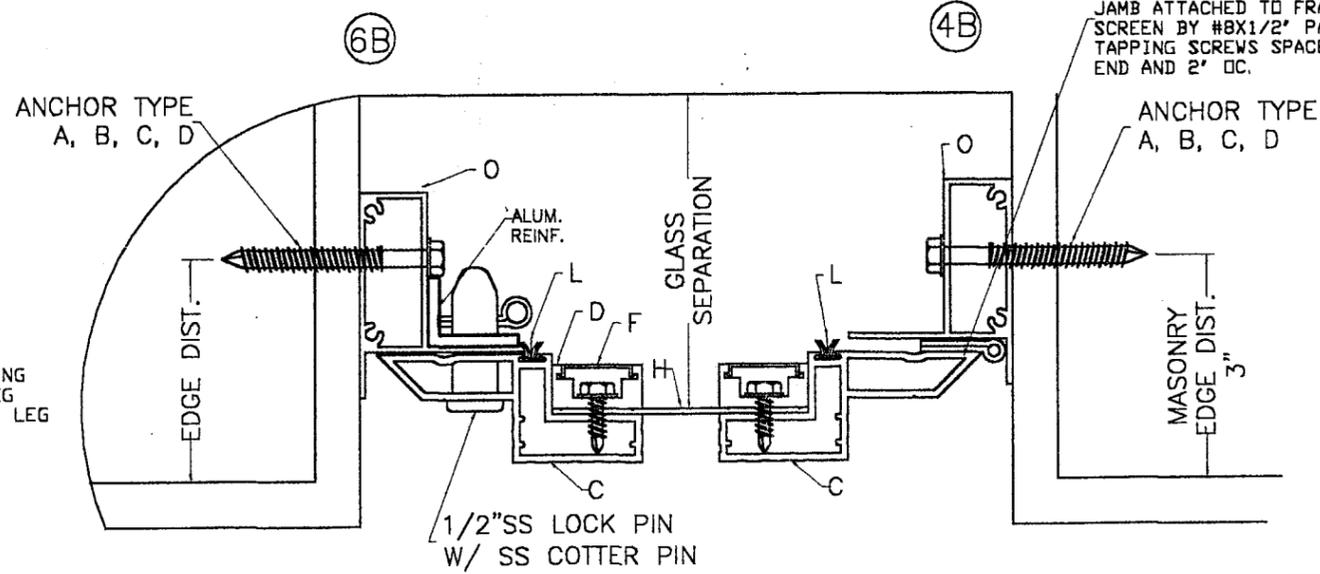
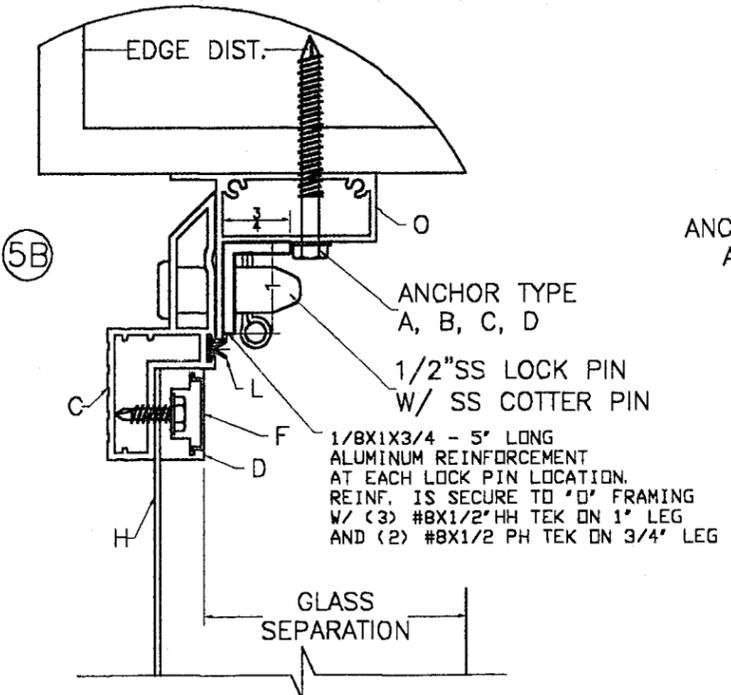
ANCHOR SPACING (in oc)		
TYPE	HEADER/SILL	JAMBS
A	22"	22"
B, C, D	14 5/8"	16 1/2"

GLASS SEPARATION:
(SINGLE UNIT - TYPE B)
"F" SERIES OPERABLE
ELEVATION <= 30' 5 3/4"
ELEVATION > 30' 5"



ANCHOR LAY-OUT

ANCHORS:			
TYPE	DESCRIPTION	SUBSTRATUM	MIN. EMBED.
A	1/4" TAPCON	MIN. 3320 PSI CONCRETE	1 3/4"
B	1/4" TAPCON	CONCRETE HOLLOW BLOCK	1 1/4"
C	1/4" LAG SCREW	WOOD WITH SG >= .55	1 1/2"
D	1/4"-14X1 1/2" DRIL-FLEX	6063-T5 ALUM	-
D	1/4"-14X1 1/2" DRIL-FLEX	A36 STEEL	-



2X 06X .125 DIAM PIN WITH 1/2" ALUM. PIANO HINGE LOCATED FULL SPAN OF FRAME JAMB ATTACHED TO FRAME AND OPERABLE SCREEN BY #8X1 1/2" PAN HEAD SELF TAPPING SCREWS SPACED 1/4" FROM EA. END AND 2" OC.

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By *Helmy A. M...*
Miami Dade Product Control Division

EDGE DISTANCE:	
SUBSTRATUM	EDGE DISTANCE
CONCRETE	3"
BLOCK	3"
WOOD	3/4"
METAL	3/4"

Manufacturer:
Protech Screens, Inc.

2425 ROY ROAD
PEARLAND - TEXAS
Tel.: (281) 485 2300
Fax.: (281) 485 8837

Product:
HURRICANE SCREEN BARRIER

Engineering:
EngCo Inc.

CA 8116
6971 W. Sunrise Blvd. 104
Plantation, Fl. 33313
Tel.: (954) 585-0304
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JUL 11 2005
Engineer Seal
Pedro De Figueiredo
PE 52609

Date: 7/11/05
Scale: NA
Design by: PPMF

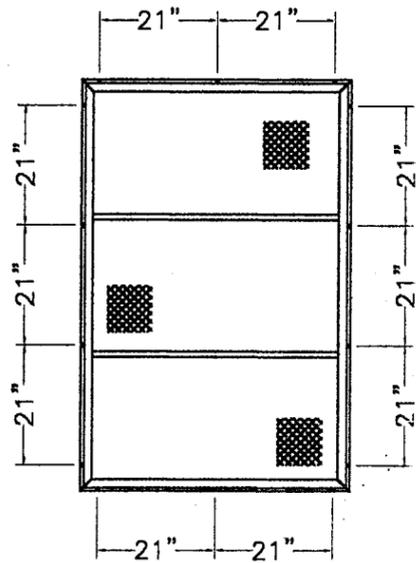
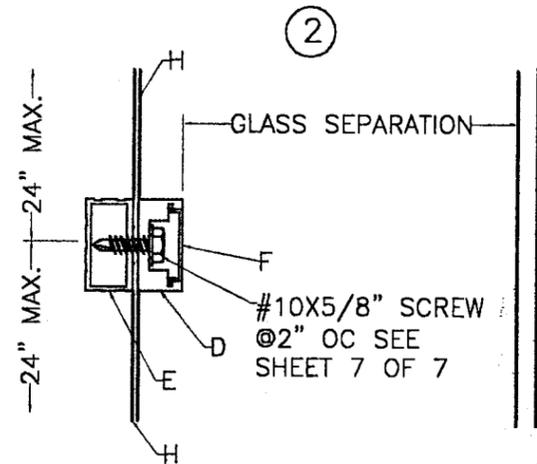
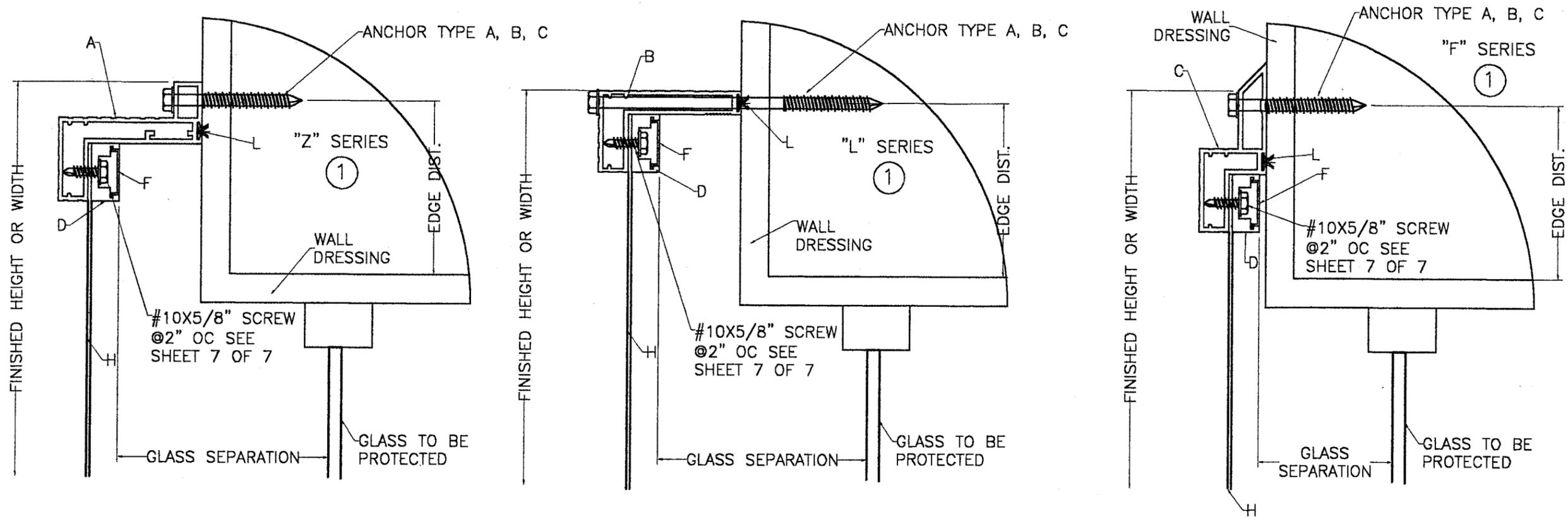
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By *Helmy A. M...*
Miami Dade Product Control Division

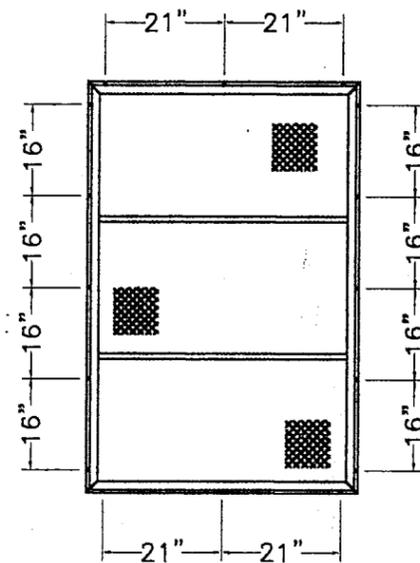
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05-016r1

Sheet
3 of 7

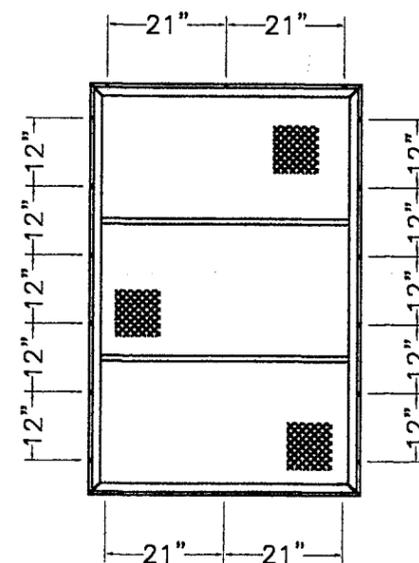
TYPE C - FIXED BARRIER SINGLE MODULES



ANCHORS SPACING
 INSTALLATION INTO CONCRETE
 ALL TRACKS
 INSTALLATION INTO WOOD
 ALL TRACKS
 INSTALLATION INTO HOLLOW BLOCK
 "F" TRACK ONLY



ANCHORS SPACING
 INSTALLATION INTO HOLLOW BLOCK
 "Z" TRACK ONLY



ANCHORS SPACING
 INSTALLATION INTO HOLLOW BLOCK
 "L" TRACK ONLY

GLASS SEPARATION: (SINGLE UNIT)

FRAMING	ELEVATION ≤ 30'	ELEVATION > 30'
Z SERIES	2 3/4"	2 3/8"
L SERIES	3 5/8"	2 1/2"
F SERIES	2 7/8"	2 1/8"

ANCHORS:

TYPE	DESCRIPTION	SUBSTRATUM	MIN. EMBED.
A	1/4" TAPCON	MIN. 3320 PSI CONCRETE	1 3/4"
B	1/4" TAPCON	CONCRETE HOLLOW BLOCK	1 1/4"
C	1/4" LAG SCREW	WOOD WITH SG ≥ 55	1 1/2"

EDGE DISTANCE:

SUBSTRATUM	EDGE DISTANCE
CONCRETE	3"
BLOCK	3"
WOOD	3/4"

PRODUCT RENEWED
 as complying with the Florida
 Building Code
 Acceptance No. 07-0208-08
 Expiration Date 08/22/2012
 By *Helmy A. Makhadmeh*
 Miami Dade Product Control
 Division

Manufacturer:
**Protech
 Screens,
 Inc.**

2425 ROY ROAD
 PEARLAND - TEXAS
 Tel.: (281) 485 2300
 Fax.: (281) 485 8837

Product:
**HURRICANE
 SCREEN
 BARRIER**

Engineering:
EngCo Inc.

CA 8116
 6971 W. Sunrise Blvd. 104
 Plantation, Fl. 33313
 Tel.: (954) 585-0304
 Fax: (954) 585-0305

[Signature]
 JUL 11 2005
 Engineer Seal
 Pedro De Figueiredo
 PE 52609

Date: 7/11/05
 Scale: NA
 Design by: PPMF

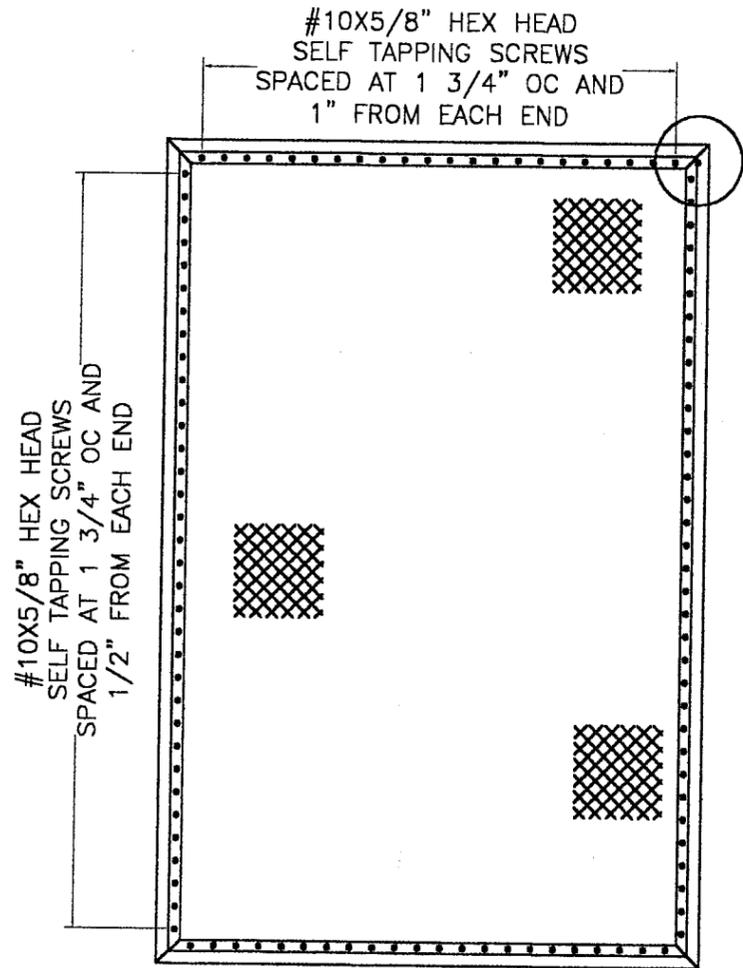
PRODUCT CONTROL DIVISION
 PRODUCT REVISED
 as complying with the Florida
 Building Code
 Acceptance No. 05-0912.02
 Expiration Date 08/22/2007
 By *Helmy A. Makhadmeh*
 Miami Dade Product Control
 Division

Drawing Number
05-016r1

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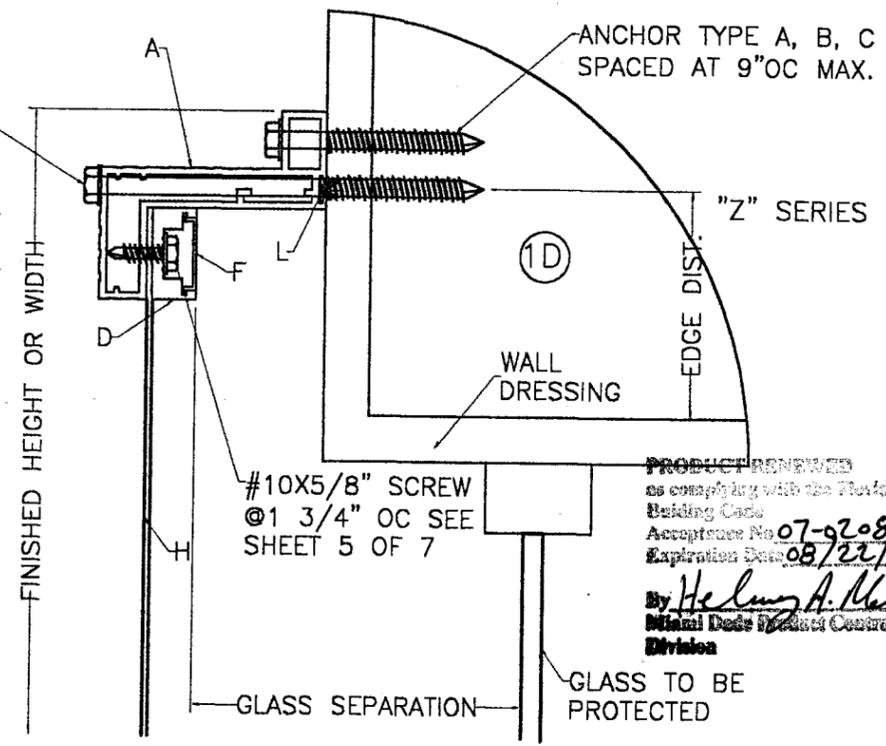
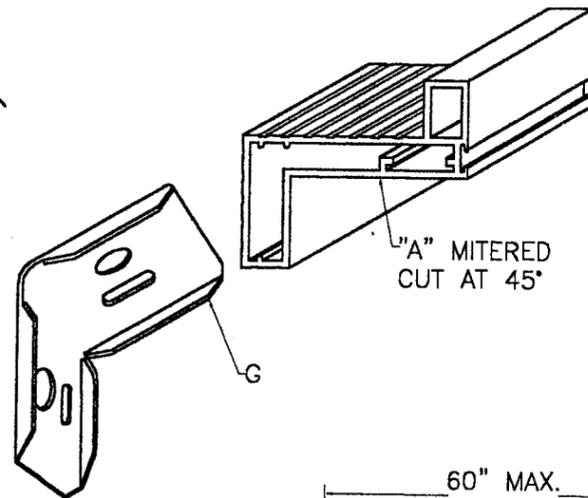
TYPE D - FIXED BARRIER SINGLE MODULES

REAR ELEVATION
TYPICAL SCREEN PANEL
ASSEMBLY SCREWS LAY-OUT



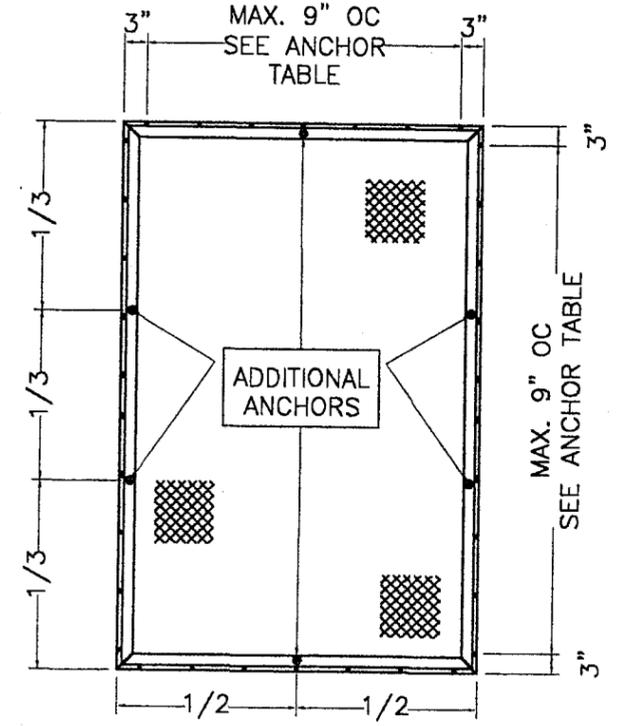
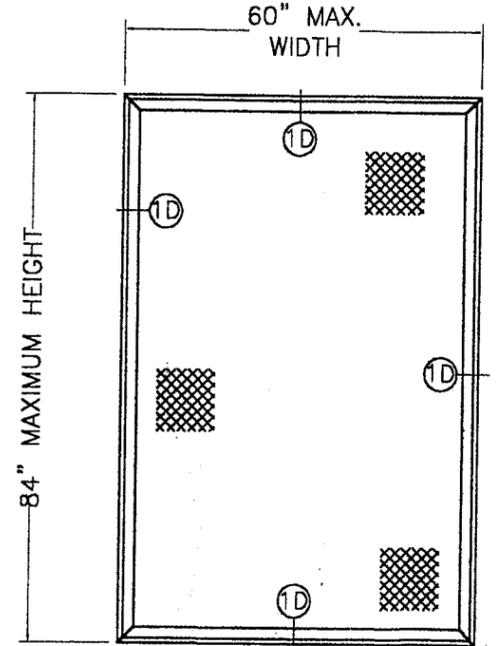
ADDITIONAL ANCHORS TYPE A, B, C
2 PER JAMB AT 1/3 POINTS AND
1 PER HEADER/SILL AT 1/2 POINTS

TYPICAL CORNER ASSEMBLY



PRODUCT REVISED
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GLASS SEPARATION: (SINGLE UNIT)
ELEVATION <= 30' - ELEVATION > 30'
4 1/4" 3 3/4"



EDGE DISTANCE:

SUBSTRATUM	EDGE DISTANCE
CONCRETE	3"
BLOCK	3"
WOOD	3/4"
METAL	3/4"

ANCHOR TABLE
MAXIMUM ANCHOR SPACING INCHES OC.

ANCHOR TYPE	DESIGNED PRESSURE			
	217	163	108	68
A	6	9	9	9
B	3	3	6	9
C	6	9	9	9
D	3	3	6	9

ANCHORS:

TYPE	DESCRIPTION	SUBSTRATUM	MIN. EMBED.
A	1/4" TAPCON	MIN. 3320 PSI CONCRETE	1 3/4"
B	1/4" TAPCON	CONCRETE HOLLOW BLOCK	1 1/4"
C	1/4" LAG SCREW	WOOD WITH SG >= .55	1 1/2"
D	1/4"-14X1 1/2" DRIL-FLEX	6063-T5 ALUM	-
D	1/4"-14X1 1/2" DRIL-FLEX	A36 STEEL	-

Manufacturer:
**Protech
Screens,
Inc.**
2425 ROY ROAD
PEARLAND - TEXAS
Tel.: (281) 485 2300
Fax.: (281) 485 8837

Product:
**HURRICANE
SCREEN
BARRIER**

Engineering:
EngCo Inc.
CA 8116
6971 W. Sunrise Blvd. 104
Plantation, Fl. 33313
Tel.: (954) 585-0304
Fax: (954) 585-0305

[Signature]
JUL 11 2005
Engineer Seal
Pedro De Figueiredo
PE 52609

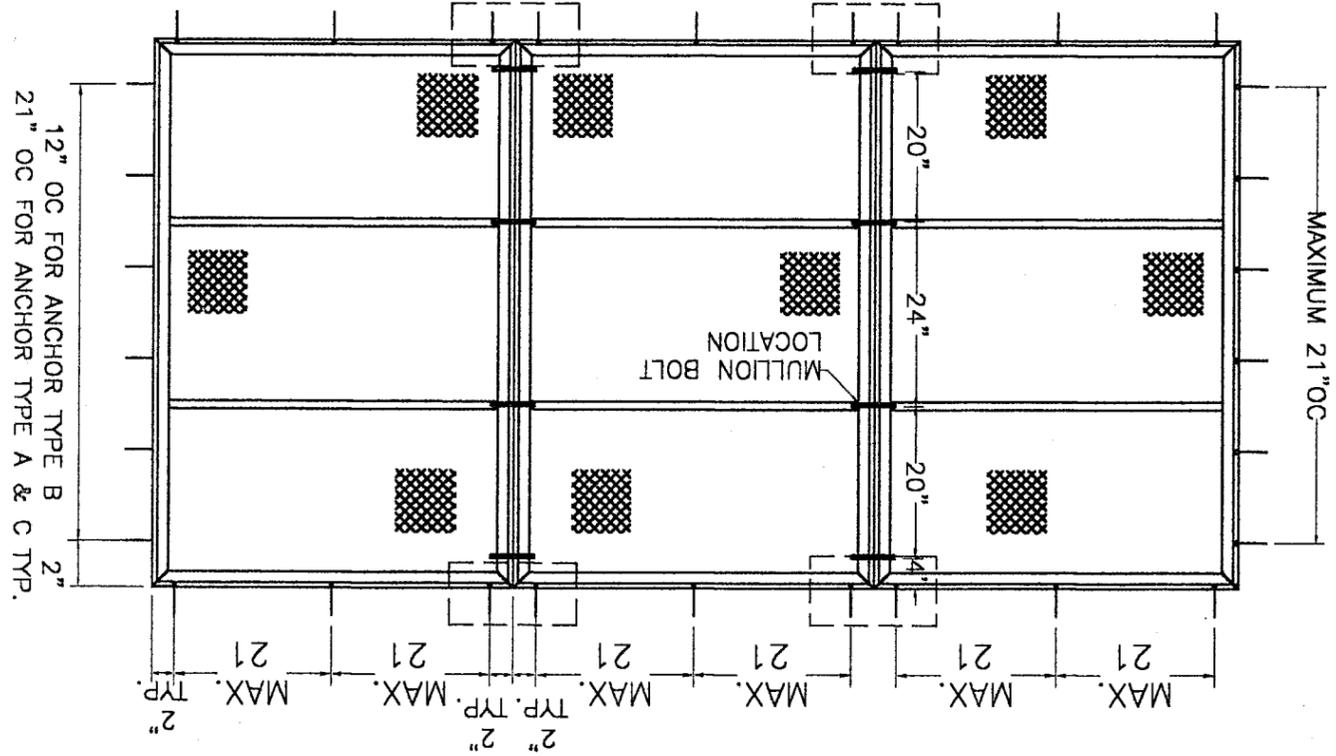
Date: 7/11/05
Scale: NA
Design by: PPMF

PRODUCT CONTROL DIVISION
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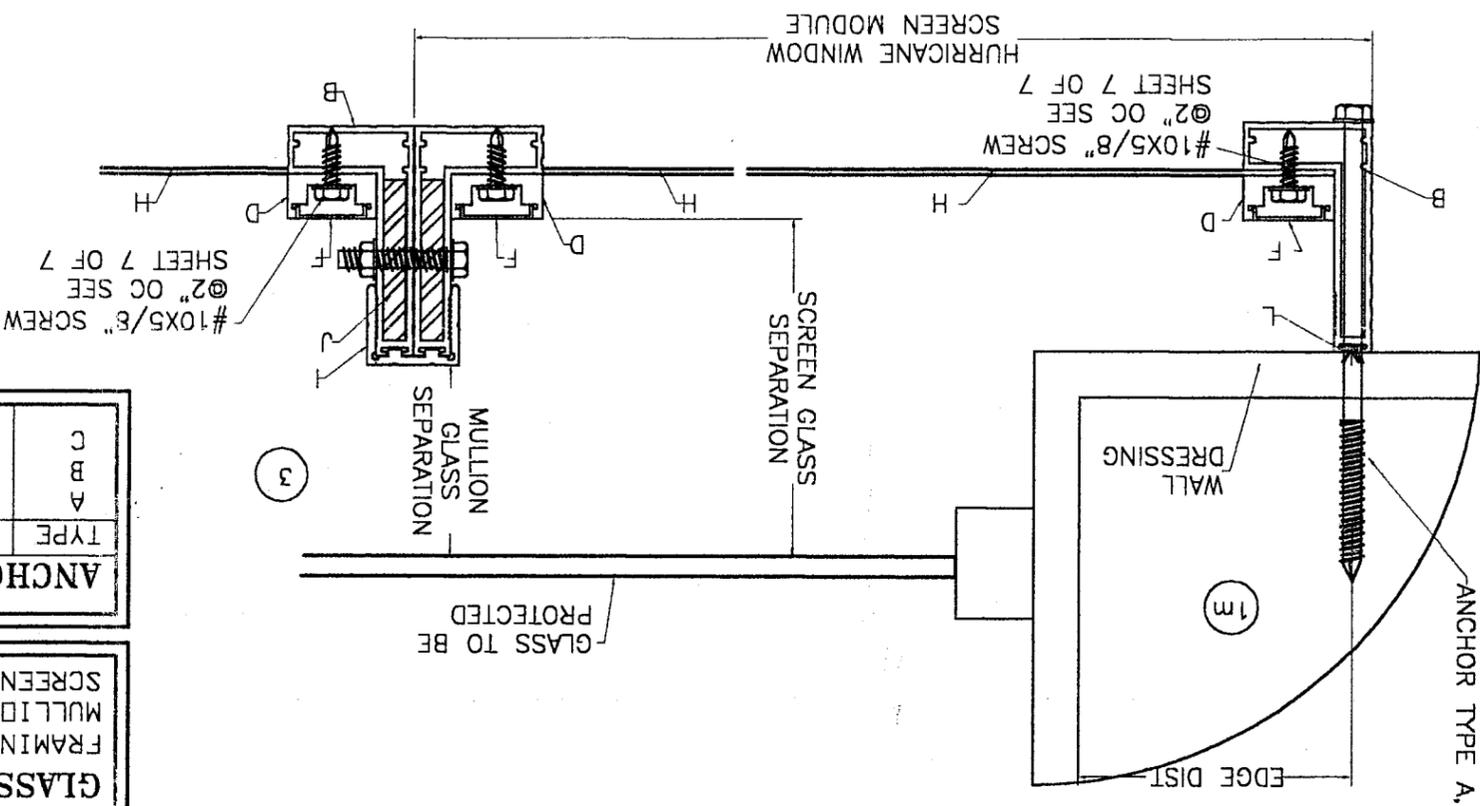
**TYPE E - FIXED BARRIER MULTIPLE MODULES
APPLICABLE ONLY FOR "L" SERIES**



ANCHORS SPACING - "L" TRACK ONLY
INSTALLATION INTO HOLLOW BLOCK, CONCRETE OR WOOD

ANCHORS TYPE A ANCHOR - CLUSTER OF 2 ANCHORS
TYPE B ANCHOR - CLUSTER OF 4 ANCHORS
TYPE C ANCHOR - CLUSTER OF 8 ANCHORS
SPACED AT 3' OC

TYPICAL AT EA INTERMEDIATE MULLION



GLASS SEPARATION: (MULTIPLE UNITS)

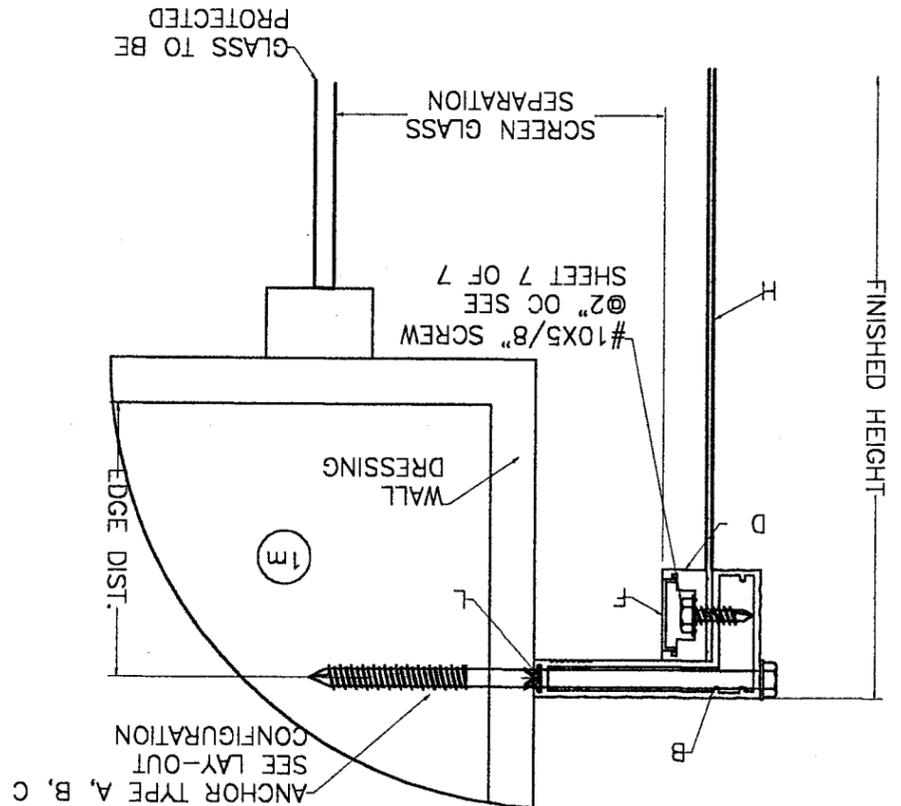
FRAMING - ELEVATION < 30' - ELEVATION > 30'	2"	1 3/8"	2 5/8"
MULLION	2"	1 3/8"	2 5/8"
SCREEN	-	4 1/4"	2 5/8"

ANCHORS:

TYPE	DESCRIPTION	SUBSTRATUM	MIN. EMBED.
A	1/4" TAPCON	MIN. 3320 PSI CONCRETE	1 3/4"
B	1/4" TAPCON	CONCRETE HOLLOW BLOCK	1 1/4"
C	1/4" LAG SCREW	WOOD WITH SG >= .55	1 1/2"

EDGE DISTANCE:

SUBSTRATUM	CONCRETE	3"
BLOCK	WOOD	3"
EDGE DISTANCE		3/4"



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Division: PRODUCT CONTROL DIVISION

Protech, Inc.
Manufacturer:
2425 ROY ROAD
PEARLAND - TEXAS
Tel.: (281) 485 2300
Fax.: (281) 485 8837

Product:
HURRICANE
SCREEN
BARRIER

Engineering:
Engco Inc.
CA 8116
6971 W. Sunrise Blvd. 104
Plantation, FL 33313
Tel.: (954) 585-0304
Fax: (954) 585-0305

Product Control Division
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By: *H. M. M.*
Division: PRODUCT CONTROL DIVISION

Date: 7/11/05
Scale: NA
Design by: PPMF

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Manufacturer: Protech, Screens, Inc.
 2425 ROY ROAD
 PEARLAND - TEXAS
 Tel.: (281) 485 2300
 Fax.: (281) 485 8837

Product: HURRICANE SCREEN BARRIER

Engineering: Engco Inc.
 CA 8116
 6971 W. Sunrise Blvd. 104
 Plantation, FL 33313
 Tel.: (954) 585-0304
 Fax: (954) 585-0305

Engineer Seal
 Pedro De Figueiredo
 PE 52609
 JUL 1 1 2005

Date: 7/11/05
Scale: NA
Design by: PPMF

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