



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)

Phoenix Architectural Products, Inc.
 3075 Jonquil Drive South East
 Atlanta, GA 30080

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: "Sure guard" Window Security Barrier Systems

APPROVAL DOCUMENT: Drawing No. **S100-01**, titled " Sure Guard / Window Security Barrier Systems ", sheets 1 through 5 of 5, prepared by R W Building Consultants, Inc., dated August 01, 1999, last revision #4 dated February 12, 2003 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

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", 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 # 02-1104.01** 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
 05/01/2008

NOA No. 08-0117.04
 Expiration Date: 02/04/2009
 Approval Date: 05/01/2008
 Page 1

Phoenix Architectural Products, Inc.

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

1. EVIDENCE SUBMITTED UNDER PREVIOUS APPROVAL #99-0831.01

A. DRAWINGS

1. *Drawing No. S100-01, titled "Sure Guard Window Security Barrier System", prepared by Rick Wright Consulting, dated August 1, 1999, last revision # 1 dated December 20, 1999, sheets 1 through 5 of 5, signed and sealed by Mark C. Fetherman, P.E.*

B. TESTS

1. *Test report on Large Missile Impact Test, Cyclic Wind Pressure Test and Uniform Static Air Pressure Test of 14 gauge perforated galvanized steel window security barrier system, prepared by National Certified Testing Laboratories, Report No. NCTL210-2223-1,2,3, dated July 22, 1999, signed and sealed by Barry D. Portnoy, P.E.*
2. *A letter prepared by National Certified Testing Laboratories, dated December 27, 1999, signed and sealed by Barry D. Portnoy, P.E.*

C. CALCULATIONS

1. *Anchor calculations dated June 1, 1999, 3 pages, prepared by Mark Fetherman, P.E., signed and sealed by Mark Fetherman, P.E.*

D. MATERIAL CERTIFICATIONS

1. *Mill Certified Inspection Report issued by Ryerson, dated May 4, 1999, with chemical analysis and mechanical properties for galvanized steel, ASTM A653, coating designation A60 untreated.*
2. *Certified Tensile Test Report, tested as per ASTM E8-93 by Certified Testing Laboratories, Report Number CTL-802E, dated August 11, 1999 for perforated steel panel sample # 3 (Yield Strength = 30914 psi) signed and sealed by Ramesh Patel, P.E.*

2. EVIDENCE SUBMITTED UNDER PREVIOUS APPROVAL #00-0815.05

A. DRAWINGS

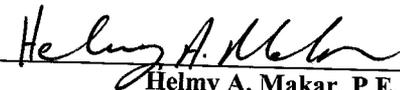
1. *Drawing No. S100-01, titled "Sure Guard Window Security Barrier System", prepared by Rick Wright Consulting, dated August 1, 1999, last revision # 3 dated January 10, 2001, sheets 1 through 5 of 5, signed and sealed by Mark C. Fetherman, P.E.*

B. TESTS

1. *None.*

C. CALCULATIONS

1. *Anchor calculations dated June 1, 1999, 3 pages, prepared by Mark Fetherman, P.E., signed and sealed by Mark Fetherman, P.E.*



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

Product Control Examiner

NOA No. 08-0117.04

Expiration Date: 02/04/2009

Approval Date: 05/01/2008

Phoenix Architectural Products, Inc.

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

- D. MATERIAL CERTIFICATIONS**
1. *None.*
- 3. EVIDENCE SUBMITTED UNDER PREVIOUS APPROVAL # 02-1104.01**
- A. DRAWINGS**
1. *Drawing No. S100-01, titled " Sure Guard / Window Security Barrier Systems ", sheets 1 through 5 of 5, prepared by R W Building Consultants, Inc., dated August 01, 1999, last revision #4 dated February 12, 2003 signed and sealed By Lyndon F. Schmidt, P.E.*
- B. TESTS**
1. *None.*
- C. CALCULATIONS**
1. *None.*
- D. MATERIAL CERTIFICATIONS**
1. *None.*
- E. STATEMENTS**
1. *Bill of Sale agreement dated December 12, 2002 from Kenneth Campbell (Seller) to Phoenix Architectural Products, Inc. (Purchaser).*
- 4. 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. 08-0117.04
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SURE GUARD

WINDOW SECURITY BARRIER SYSTEM

GENERAL NOTES

1. THIS PRODUCT IS DESIGNED TO MEET THE FLORIDA BUILDING CODE 2001 EDITION AND ASCE 7-98.
2. SYSTEM MOUNTS DIRECTLY TO THE MASONRY OPENING BY MEANS OF AN ALUMINUM "L" BAR (ITEM #13) IN B.O.M.).
3. PRODUCT ANCHORS SHALL BE AS LISTED AND SPACED AS SHOWN ON DETAILS. ANCHOR EMBEDMENT TO BASE MATERIAL SHALL BE BEYOND WALL DRESSING OR STUCCO.
4. THIS PRODUCT IS IMPACT RESISTANT.
5. DESIGN PRESSURE RATING SHALL BE AS FOLLOWS:
POSITIVE 86 PSF NEGATIVE 86 PSF
6. SMS SCREWS MFG TO ASTM-A510-96.

IMPACT RESISTANT SCREEN / SHUTTER

FRAME CONSTRUCTION:

EXTRUDED ALUMINUM FRAME. THE CORNERS ARE MITERED BUTTED AND WELDED.

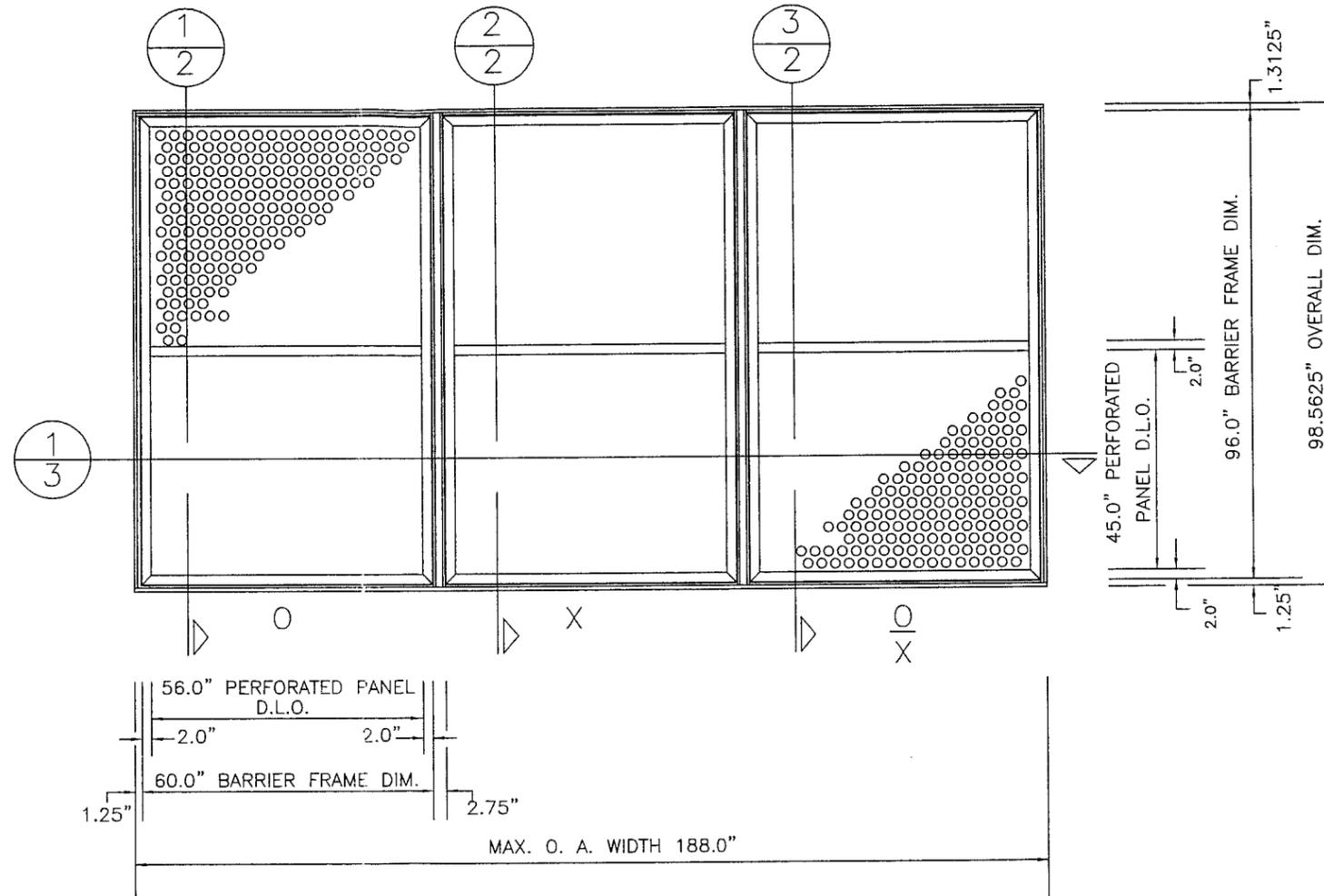
PANEL CONSTRUCTION:

EACH PANEL IS MADE UP OF AN EXTRUDED 6063-T6 ALUM. FRAME MITERED AND MECHANICALLY JOINED AT THE CORNERS WITH A "L" SHAPED ALUM. PLATE (SP-7).
THE SCREEN MATERIAL IS 14 GA. (0.078") GALV. STEEL COM. QUALITY. ASTM A653 - MIN. YIELD STRENGTH 30,914 PSI WITH A COATING DESIGNATION A60 UNTREATED. THE PERFORATED SCREEN IS 0.1875" CLEAR HOLES ON 0.25" STAGGERED CENTERS. THERE ARE 18.5 HOLES PER SQUARE INCH (51% OF OPENING IS POROUS). THE OPERABLE PANELS ARE SECURED WITH A CONTINUOUS LATCH MECHANISM EXTRUDED FROM ALUMINUM.

TABLE OF CONTENTS

SHEET	DESCRIPTION
1	GENERAL NOTES & TYPICAL ELEVATIONS
2	VERTICAL CROSS SECTIONS & BILL OF MATERIALS
3	HORIZONTAL CROSS SECTIONS
4	ANCHOR LOCATIONS
5	COMPONENTS

WINDOW SECURITY BARRIER SYSTEM SHOWN FROM EXTERIOR



NOTE:

BARRIER SCREENS MAY BE USED AS SINGLE OR IN INFINITE NUMBER OF PANELS IN A HORIZONTAL DIRECTION OF FIXED, CENTER HINGE, SIDE HINGE AND TOP HINGE MAY BE COMBINED.

Lyndon F. Schmidt

Lyndon F. Schmidt
19506 French Lace Drive
Lutz, FL 33558
State Of Florida Professional Engineer #43409
February 13, 2003

PRODUCT RENEWED
as complying with the Florida
Building Code
Acceptance No 08-0117.04
Expiration Date 02/04/2009
By *Helmut A. Mehn*
Miami Dade Product Control
Division

PRODUCT REVISED
as complying with the Florida
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PHOENIX
ARCHITECTURAL PRODUCTS
SECURITY BARRIERS, ALUMINUM WINDOWS & DOORS
PH. 770.682.4956 FAX 770.682.3897

PRODUCT:
PHOENIX ARCHITECTURAL
WINDOW SECURITY PRODUCT
BARRIER SYSTEM
PART OR ASSEMBLY:
GENERAL NOTES
& ELEVATIONS

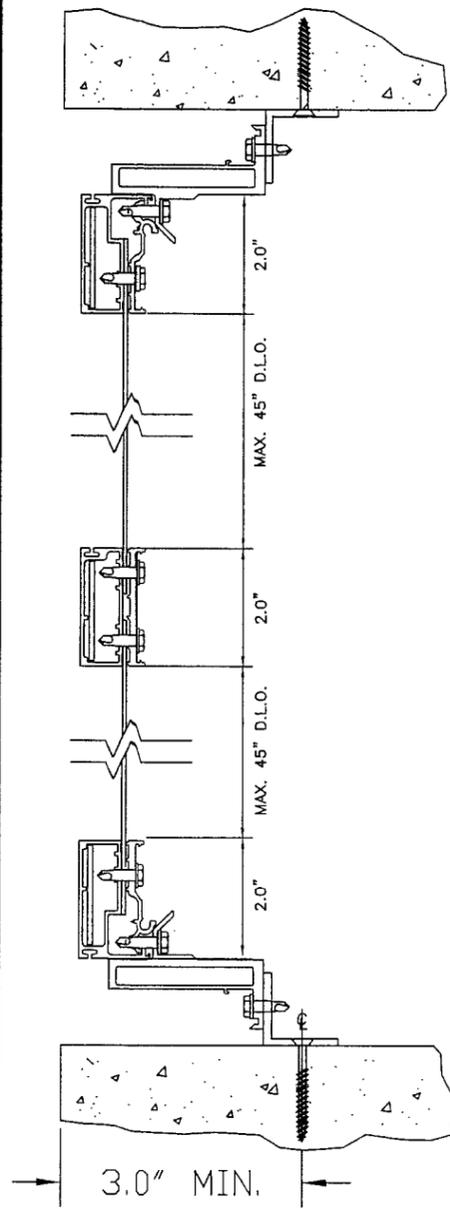
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3	1/10/01					RW	MISC. NOTES
2	6/12/00					TJH	ADDED OPT. MOUNT
1	12/20/99					RW	GENERAL

RW BUILDING
CONSULTANTS, INC.
813.659.9197

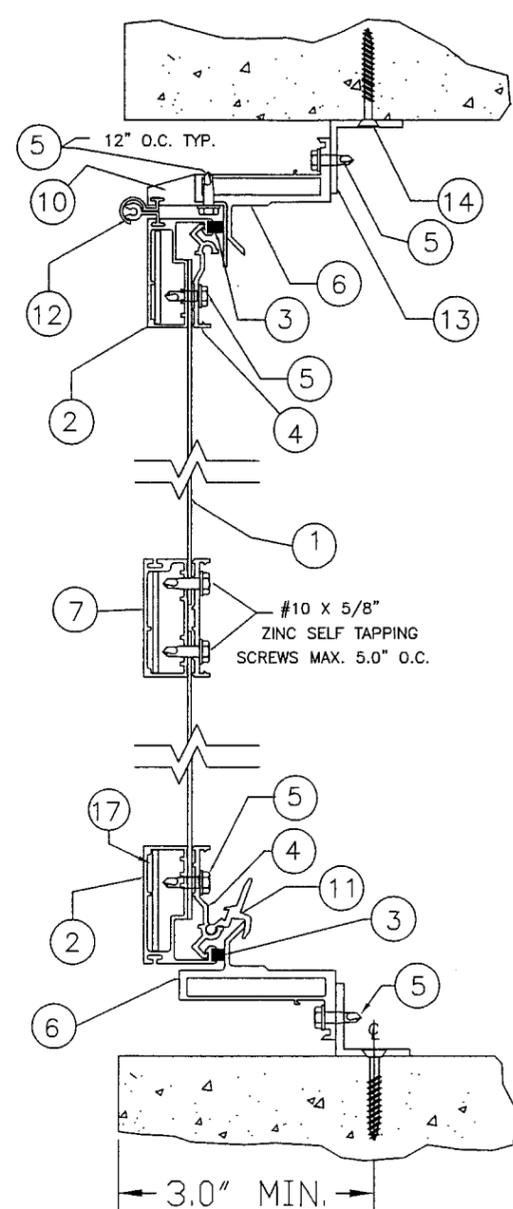
DATE:	08/01/99
SCALE:	N.T.S.
DWG. BY:	RWBC
CHK. BY:	-
DRAWING NO.:	S100-01
SHEET	1 OF 5

BILL OF MATERIALS

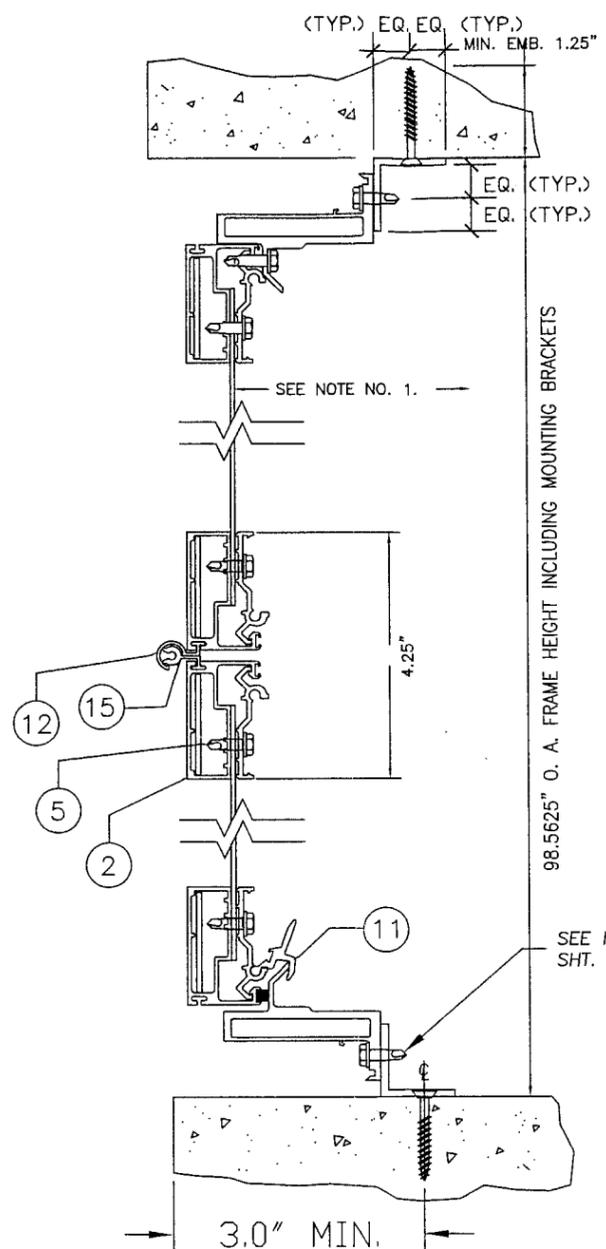
ITEM	DESCRIPTION	MATERIAL
①	Perforated Galvannealed Panel	14 Ga. Steel
②	Sash Frame CIE-3	Alum. 6063-T6
③	Weather-strip #568 .25" (Hope Webbing)	Wool Pyle
④	Securing Flange CIE-4	Alum. 6063-T6
⑤	#10 x 5/8" SMS Hex Head Screw	-
⑥	Frame Jamb CIE-12	Alum. 6063-T6
⑦	Horizontal Sash Support CIE-6	Alum. 6063-T6
⑧	1.75" x 2.0" x .125" Ext. Alum. Tube	Alum. 6063-T6
⑨	.25" x 2.5" Zinc Self Tapping Screw	
⑩	Hinge Flange CIE-5	Alum. 6063-T6
⑪	Latch Mechanism CIE-8	Alum. 6063-T6
⑫	Hinge CIE-2	Alum. 6063-T6
⑬	"L" Bar .125" thick, each leg meas. 1.0"	Alum. 6063-T6
⑭	1/4" TapPER Anchor (min 1.25" embed. AND 3.0" MIN. EDGE DISTANCE)	RAWL
⑮	HINGE CIE-1	Alum. 6063-T6
⑯	HORIZONTAL SASH RETAINER CIE-7	Alum. 6063-T6
⑰	CORNER SUPPORT SP-7	ALUMINUM



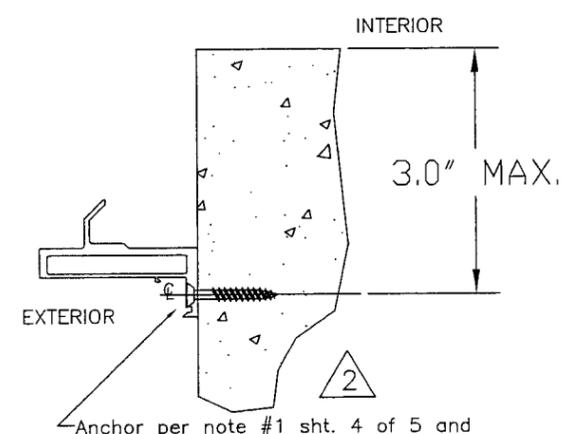
① VERTICAL CROSS SECTION
② Fixed Sash Panel



② VERTICAL CROSS SECTION
② Top Hinge



③ VERTICAL CROSS SECTION
② Center Hinge



④ VERTICAL CROSS SECTION
② Optional SurFace Mount Method

NOTE:
1. Security Barrier Screen must be placed at a minimum 3.5" from the glass surface the screen is protecting.

LF Schmidt
Lyndon F. Schmidt
19506 French Lace Drive
Lutz, FL 33558
State Of Florida Professional Engineer #43409
February 13, 2003

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as complying with the Florida Building Code
Acceptance No. 08-0117.04
Expiration Date 02/04/2009
By *Helmut A. Meier*
Miami Dade Product Control Division

PRODUCT REVISED
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By *Helmut A. Meier*
Miami Dade Product Control Division

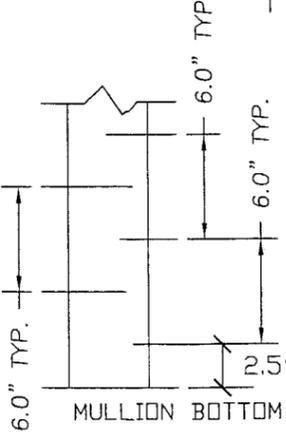
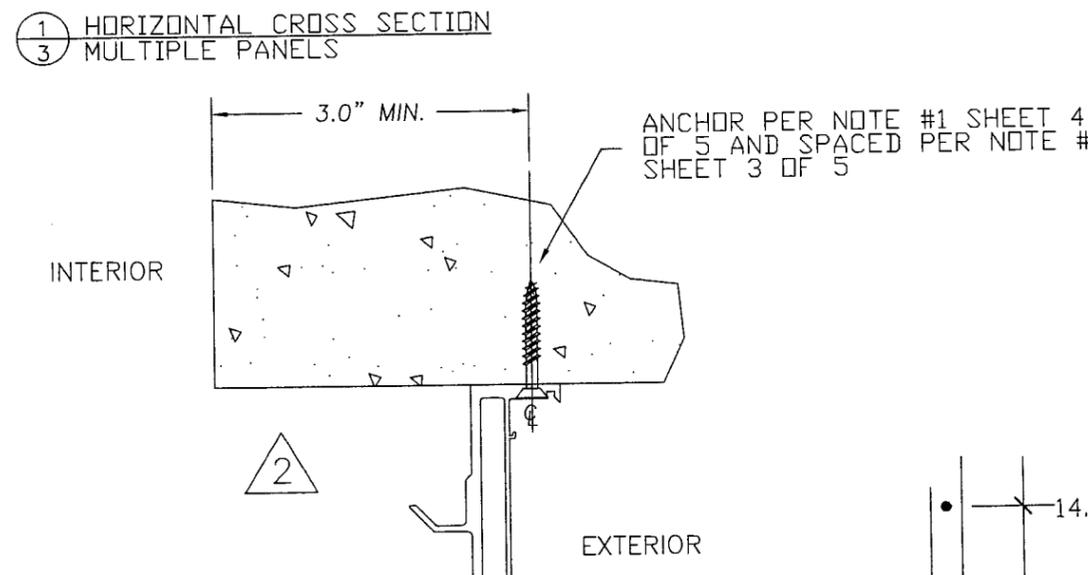
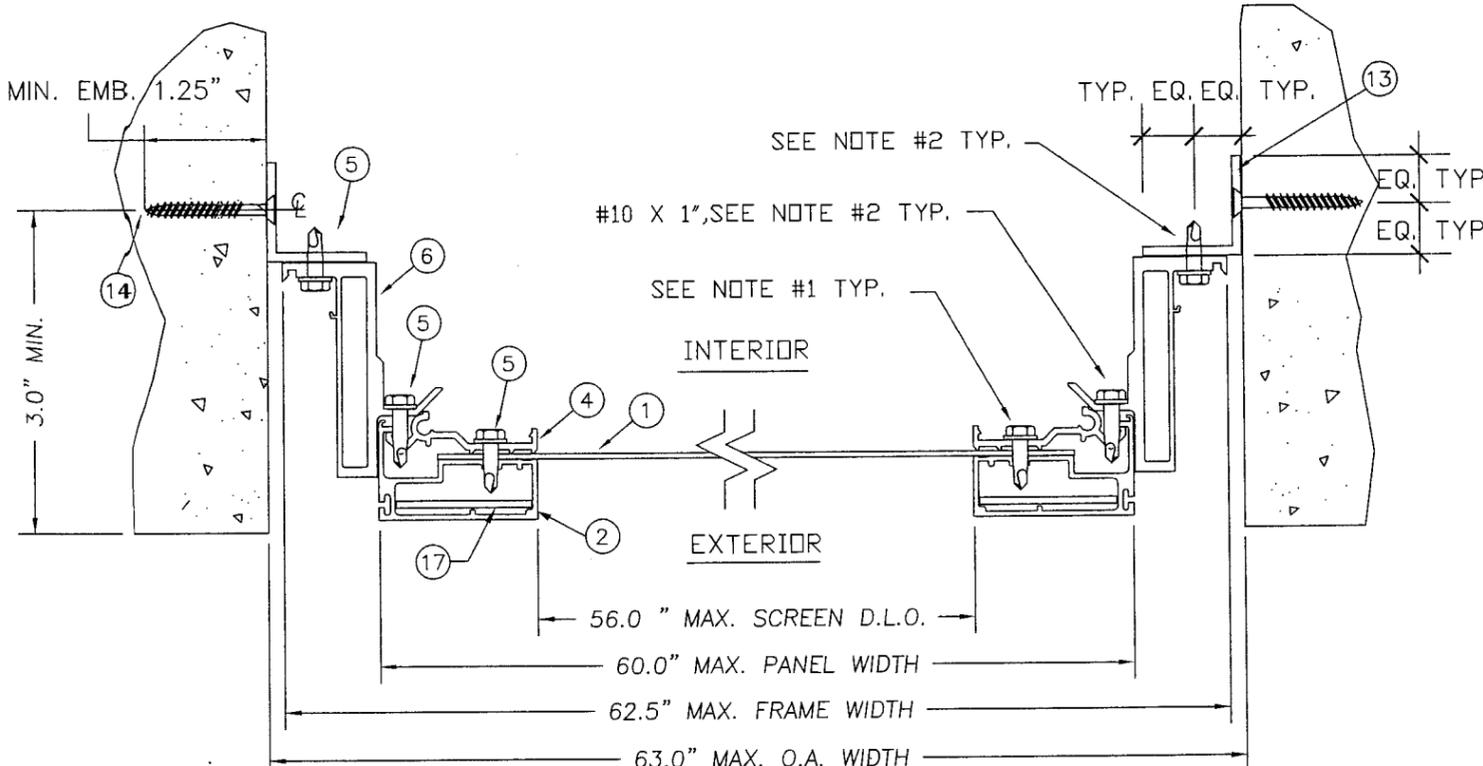
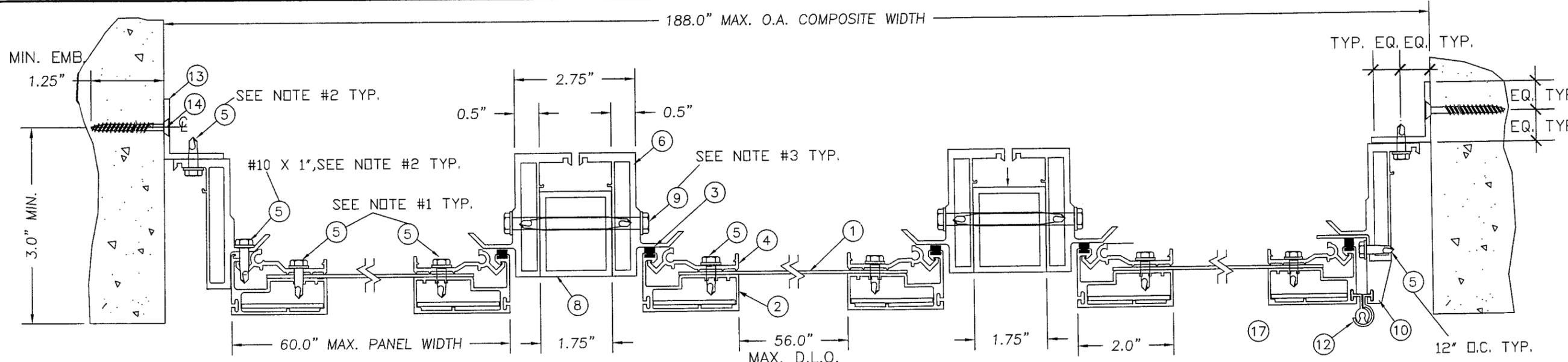
PHOENIX
ARCHITECTURAL PRODUCTS
SECURITY BARRIERS, ALUMINUM WINDOWS & DOORS
PH. 770.682.4956 FAX 770.682.3897

PRODUCT:
PHOENIX ARCHITECTURAL PRODUCTS WINDOW BARRIER SYSTEM
PART OR ASSEMBLY:
VERTICAL CROSS SECTION & BILL OF MATERIALS

NO.	DATE	REVISIONS
4	2/12/03	MISC. NOTES
3	1/10/01	MISC. NOTES
2	6/12/00	ADDED OPT. MOUNT GENERAL
1	12/20/99	GENERAL

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813.659.9197

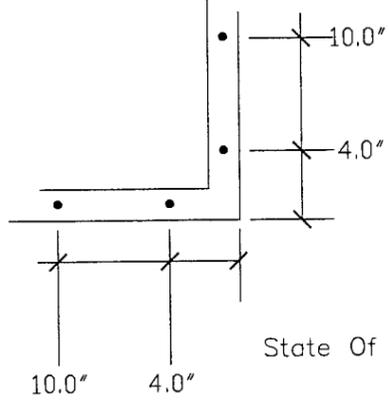
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SCALE: N.T.S.
DWG. BY: RWBC
CHK. BY: -
DRAWING NO.: S100-01
SHEET 2 OF 5



NOTE: 3
SCREWS 6" O.C. STAGGERED.
SPACED 2.5" MAX. FROM TOP & BOTTOM.

NOTE: 2
FIRST SCREW IS LOCATED AT 4" FROM EACH CORNER, THEN 6" O.C. CONTINUOUS.

NOTE: 1 FOUR SCREWS IN EACH CORNER LEG 2" FROM EA. END AND SPACED 2" O.C., THEN CONTINUOUS 6" O.C..



Lyndon F. Schmidt
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Lutz, FL 33558
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Miami Dade Product Control Division

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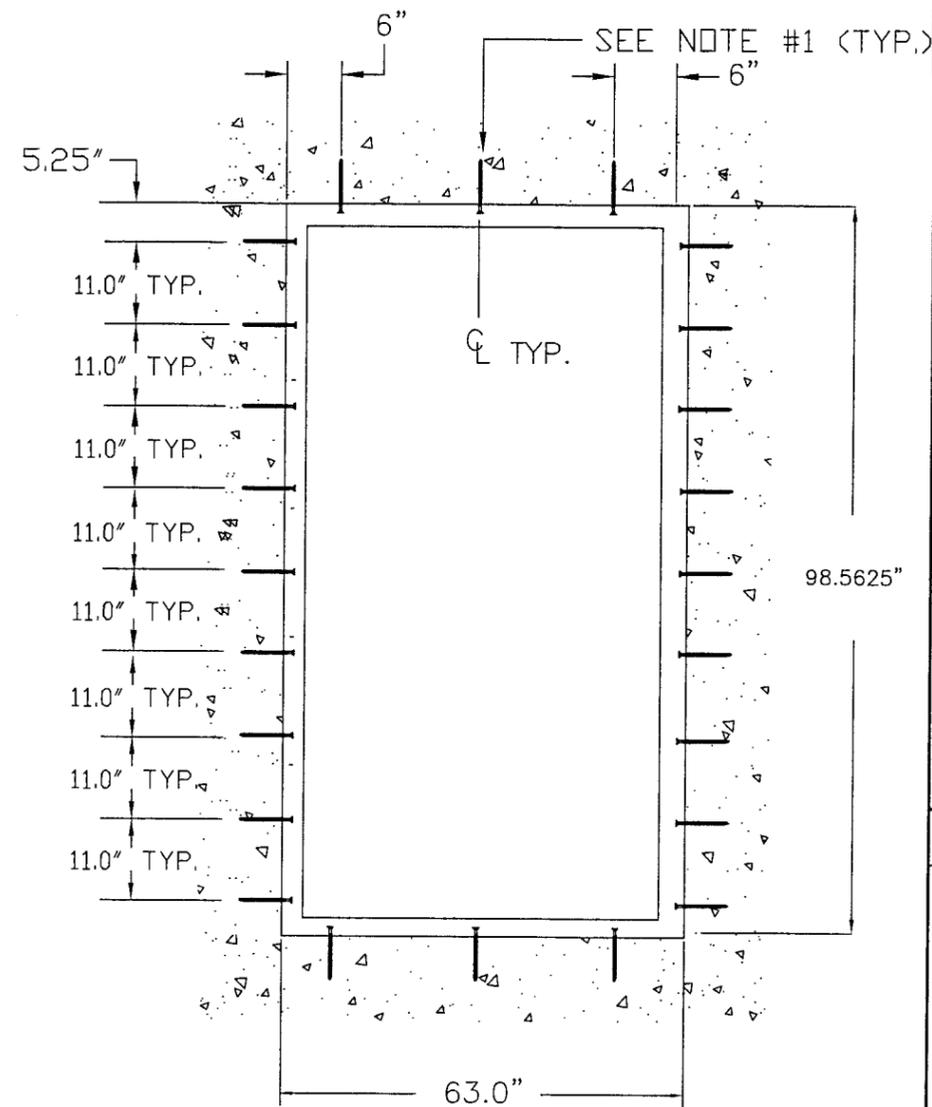
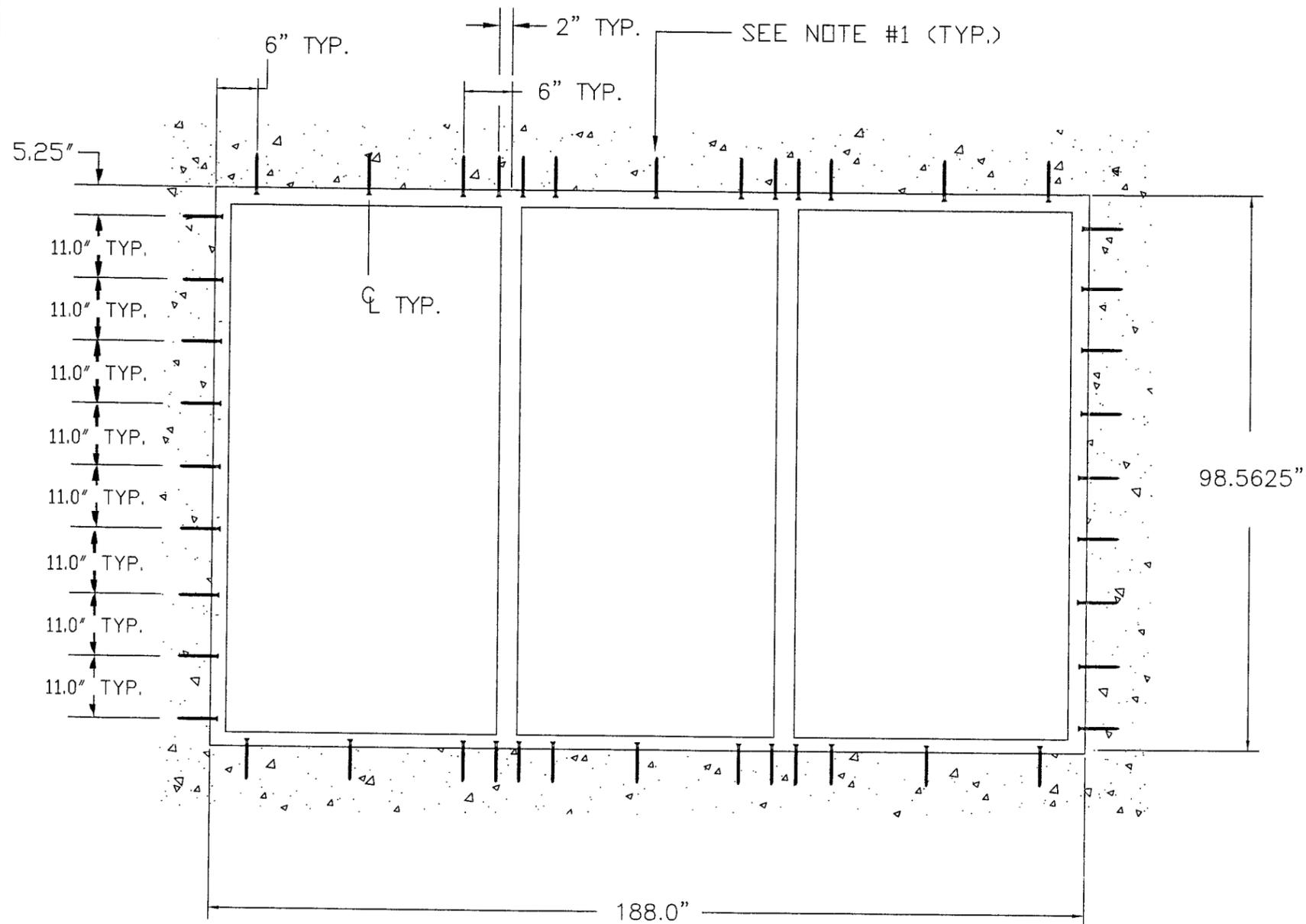
PHOENIX
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SECURITY BARRIERS, ALUMINUM WINDOWS & DOORS
PH. 770.682.4956 FAX 770.682.3897

PRODUCT: PHOENIX ARCHITECTURAL PRODUCTS WINDOW SECURITY BARRIER SYSTEM
PART OR ASSEMBLY: HORIZONTAL CROSS SECTIONS

NO.	DATE	REVISIONS
4	2/12/03	MISC. NOTES
3	1/10/01	MISC. NOTES
2	6/12/00	ADDED OPT. MOUNT
1	12/20/99	GENERAL
		BY
		TJH
		RW
		ROF

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813.659.9197

DATE: 08/01/99
SCALE: N.T.S.
DWG. BY: RWBC
CHK. BY:
DRAWING NO.: S100-01
SHEET 3 OF 5



NOTE:

1. 1/4" Rawl Tapper with minimum 1.25" embedment into masonry and 3.0" minimum edge distance.
2. Units may be any combination of Fixed, Center Hinged, Top Hinged and Side Hinged panels, not to exceed 3 panels.


 Lyndon F. Schmidt
 19506 French Lace Drive
 Lutz, FL 33558
 State Of Florida Professional Engineer #43409
 February 13, 2003

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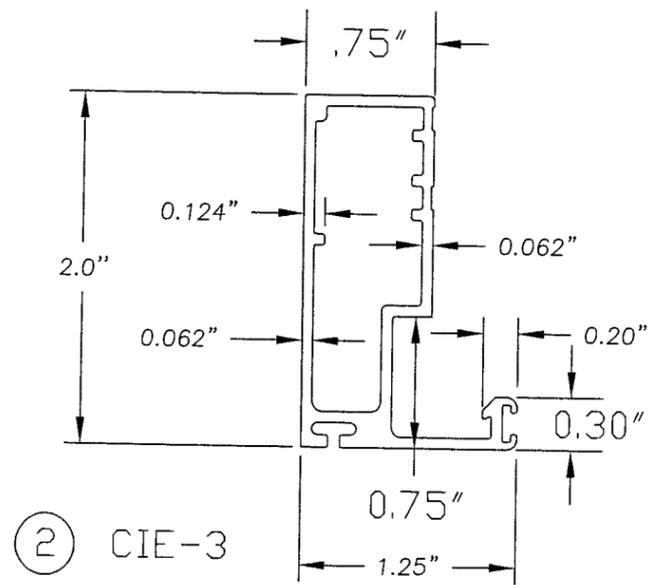

 RW BUILDING
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 813.659.9197

DATE: 08/01/99
 SCALE: N.T.S.
 DWG. BY: RWBC
 CHK. BY: -
 DRAWING NO.: S100-01
 SHEET 4 OF 5

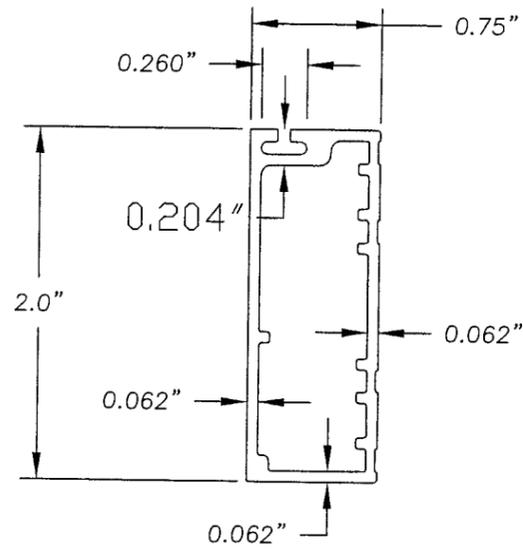
PHOENIX
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PRODUCT:
 PHOENIX ARCHITECTURAL
 PRODUCTS WINDOW SECURITY
 BARRIER SYSTEM
 PART OR ASSEMBLY:
 ANCHORING DETAILS

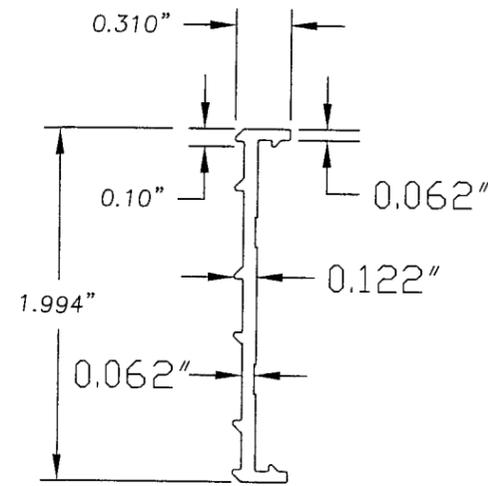
NO.	DATE	REVISIONS
4	2/12/02	MISC. NOTES
3	1/10/01	MISC. NOTES
2	6/12/00	ADDED OPT. MOUNT
1	12/20/99	GENERAL



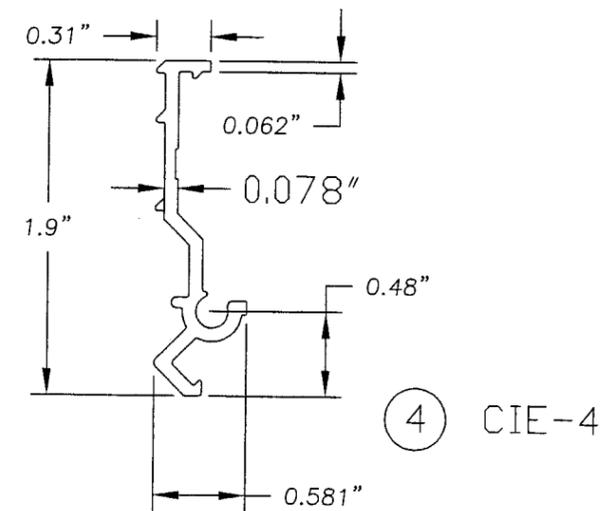
② CIE-3



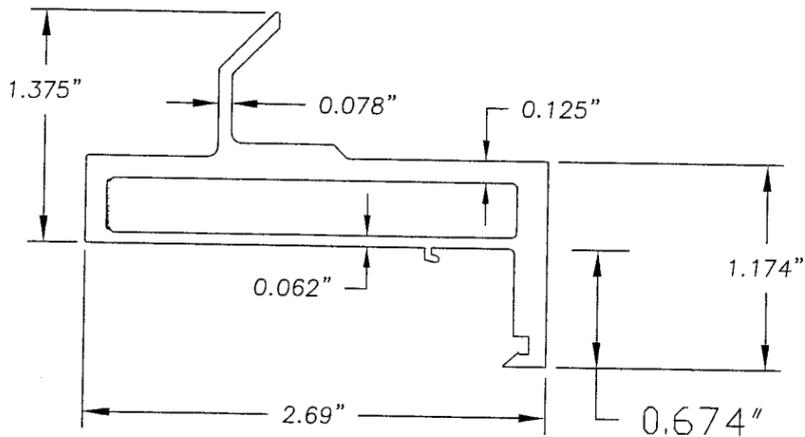
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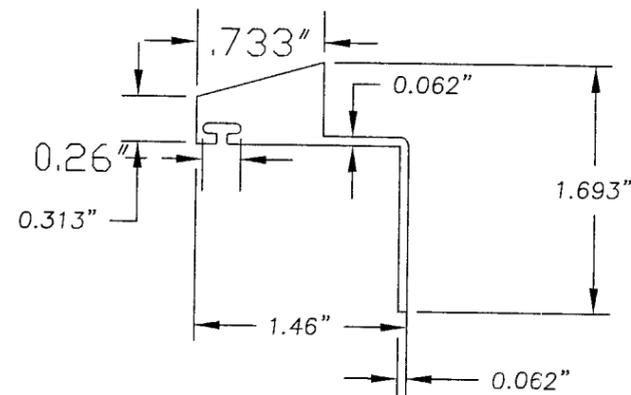
⑬ CIE-7



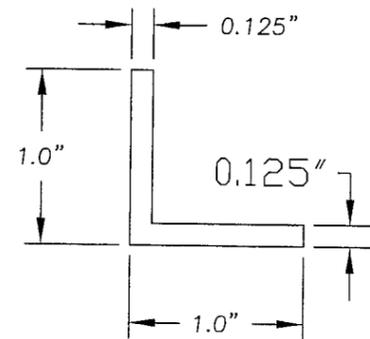
④ CIE-4



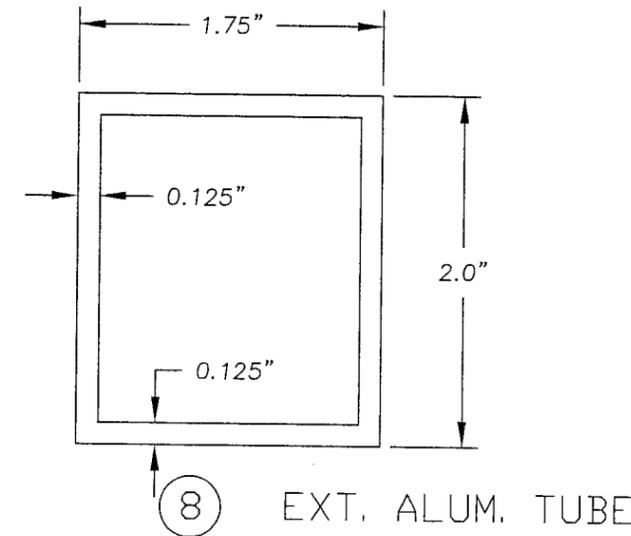
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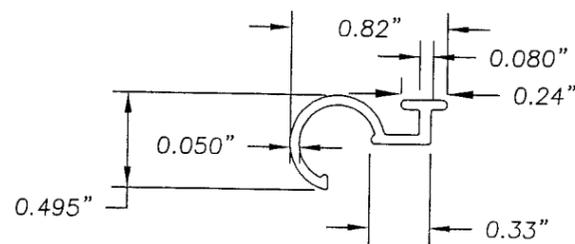
⑩ CIE-5



⑬ "L BAR"



⑧ EXT. ALUM. TUBE

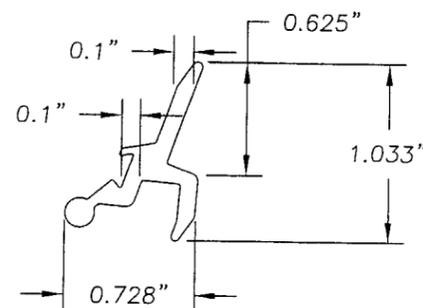


⑫ CIE-2

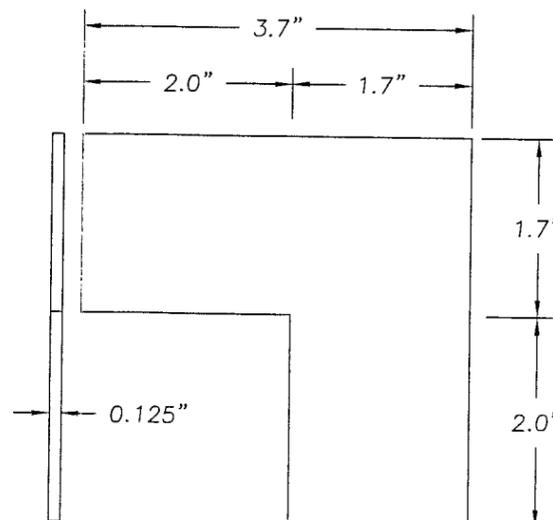
Lyndon F. Schmidt

Lyndon F. Schmidt
19506 French Lace Drive
Lutz, FL 33558

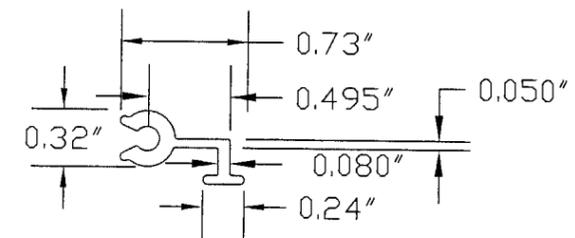
State Of Florida Professional Engineer #43409
February 13, 2003



⑪ CIE-8



⑰ SP-7



⑮ CIE-1

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PHOENIX
ARCHITECTURAL PRODUCTS
SECURITY BARRIERS, ALUMINUM WINDOWS & DOORS
PH. 770.682.4956 FAX 770.682.3897

PRODUCT: PHOENIX ARCHITECTURAL PRODUCTS WINDOW SECURITY BARRIER SYSTEM
PART OR ASSEMBLY: COMPONENTS

NO.	DATE	REVISIONS
4	2/12/03	MISC. NOTES
3	1/10/01	MISC. NOTES
2	6/12/00	ADDED OPT. MOUNT
1	12/20/99	GENERAL
		BY
		TJH
		IRW
		RW
		ROF

RW BUILDING CONSULTANTS, INC.
813.659.9197

DATE: 08/01/99
SCALE: N.T.S.
DWG. BY: RWBC
CHK. BY: -
DRAWING NO.: S100-01
SHEET 5 of 5