



**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)**

**Phoenix Architectural Products, Inc.  
91 w. Wieuca Rd., Suite 100 B  
Atlanta, GA 30342**

**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 Revision 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 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 **revises & renews** NOA # **00-0815.05** & consists of this page 1 & approval document mentioned above. The submitted documentation was reviewed by **Helmy A. Makar, P.E.**



**NOA No 02-1104.01  
Expiration Date: 02/04/2008  
Approval Date: 04/03/2003  
Page 1**

# 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

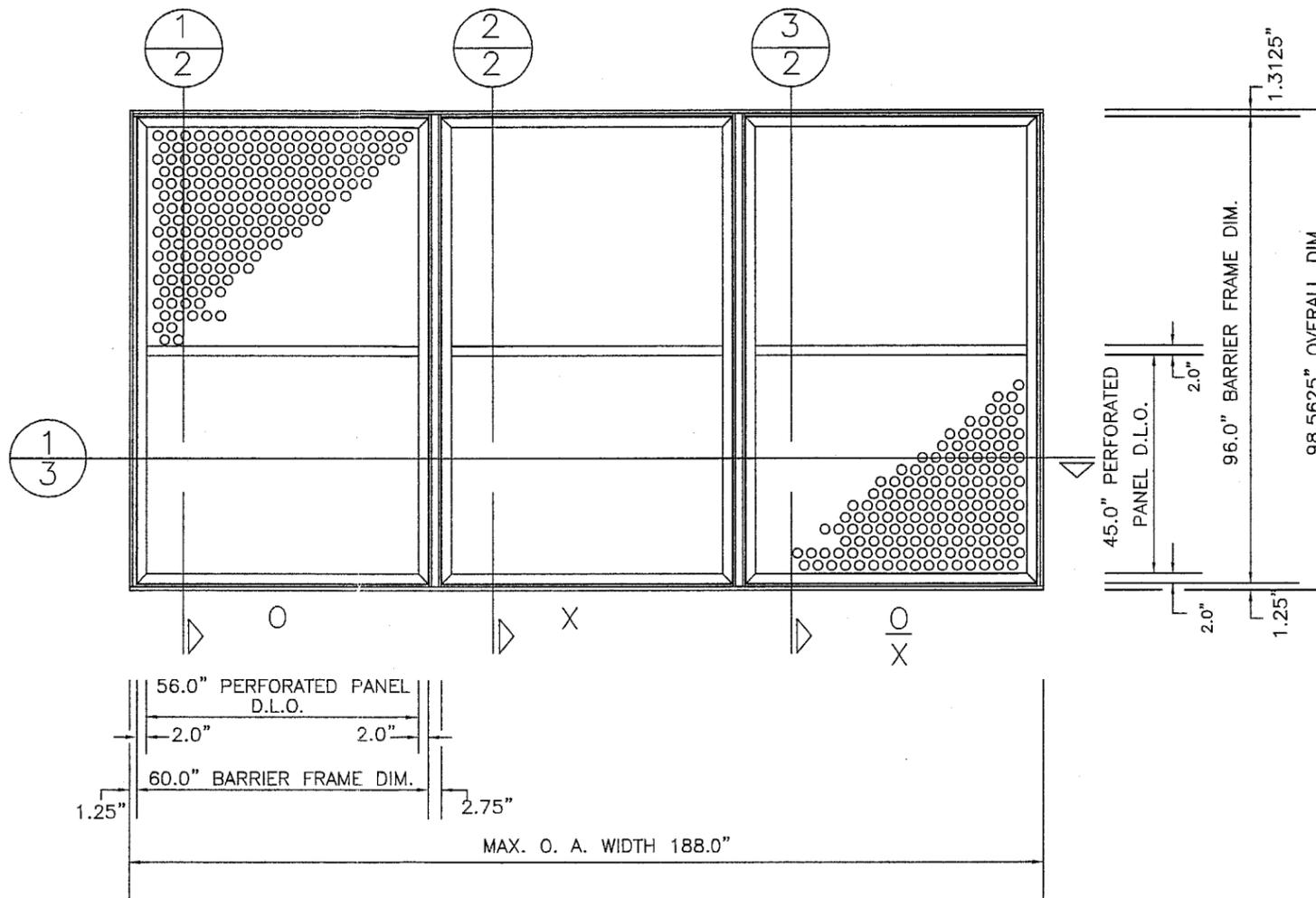
#### FRAME CONSTRUCTION:

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.

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.

*LF*

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

<p><b>PRODUCT REVISED</b>                  as complying with the Florida Building Code                  Acceptance No <u>02-1104.01</u>                  Expiration Date <u>02/04/2008</u></p> <p>By <i>Heather A. Nelson</i>                  Miami Dade Product Control Division</p>	<p>DATE: 08/01/99                  SCALE: N.T.S.                  DWG. BY: RWBC                  CHK. BY: -                  DRAWING NO.: S100-01                  SHEET <u>1</u> OF <u>5</u></p>
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SHEET	DESCRIPTION
1	GENERAL NOTES & TYPICAL ELEVATIONS
2	VERTICAL CROSS SECTIONS & BILL OF MATERIALS
3	HORIZONTAL CROSS SECTIONS
4	ANCHOR LOCATIONS
5	COMPONENTS

**PHOENIX**  
 ARCHITECTURAL PRODUCTS

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

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

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

*RW* BUILDING CONSULTANTS, INC.  
 813.659.9197

# BILL OF MATERIALS

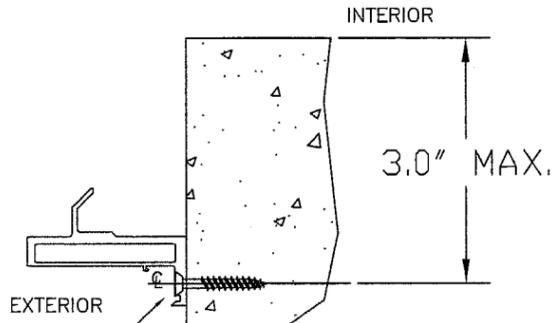
ITEM	DESCRIPTION	MATERIAL
①	Perforated Galvannealed Panel	14 Ga. Steel
②	Sash Frame CIE-3	Alum. 6063-T6
③	Weather-strip #568 .25" (Hope Webbing)	Wool Pyle
④	Securing Flange CIE-4	Alum. 6063-T6
⑤	#10 x 5/8" SMS Hex Head Screw	-
⑥	Frame Jamb CIE-12	Alum. 6063-T6
⑦	Horizontal Sash Support CIE-6	Alum. 6063-T6
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

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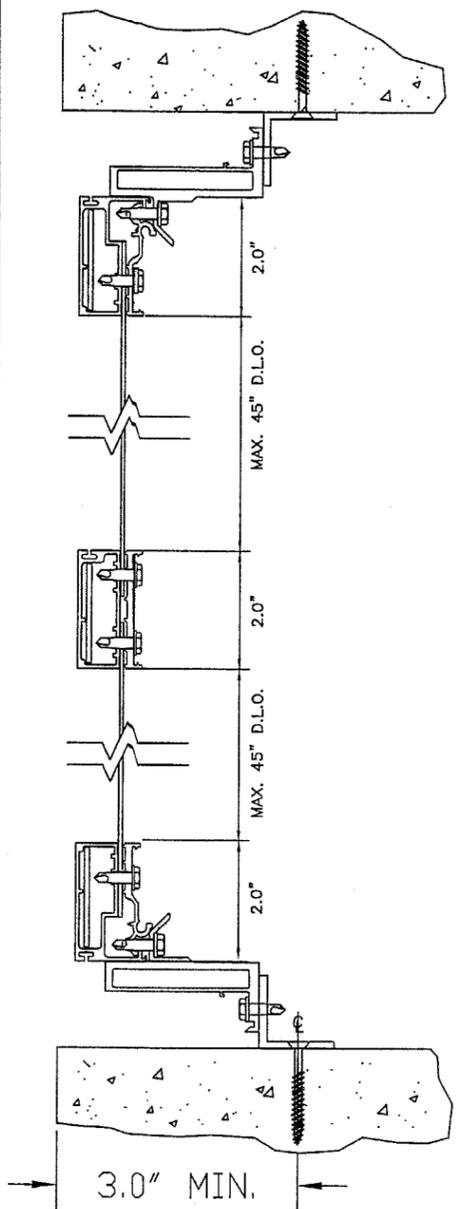
PRODUCT:  
PHOENIX ARCHITECTURAL PRODUCTS WINDOW BARRIER SYSTEM  
PART OR ASSEMBLY:  
VERTICAL CROSS SECTION & BILL OF MATERIALS

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

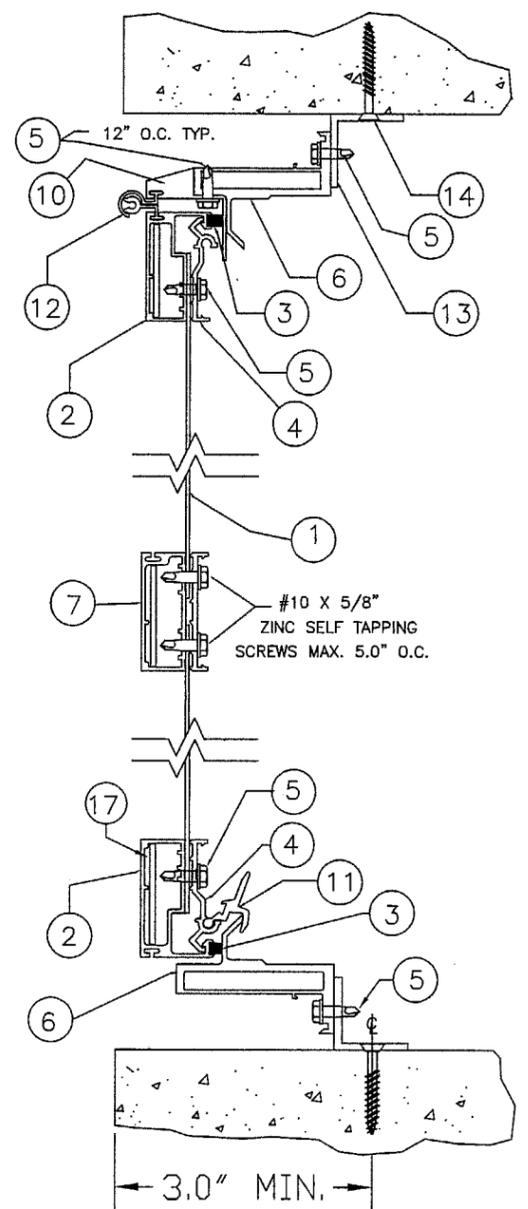
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813.659.9197



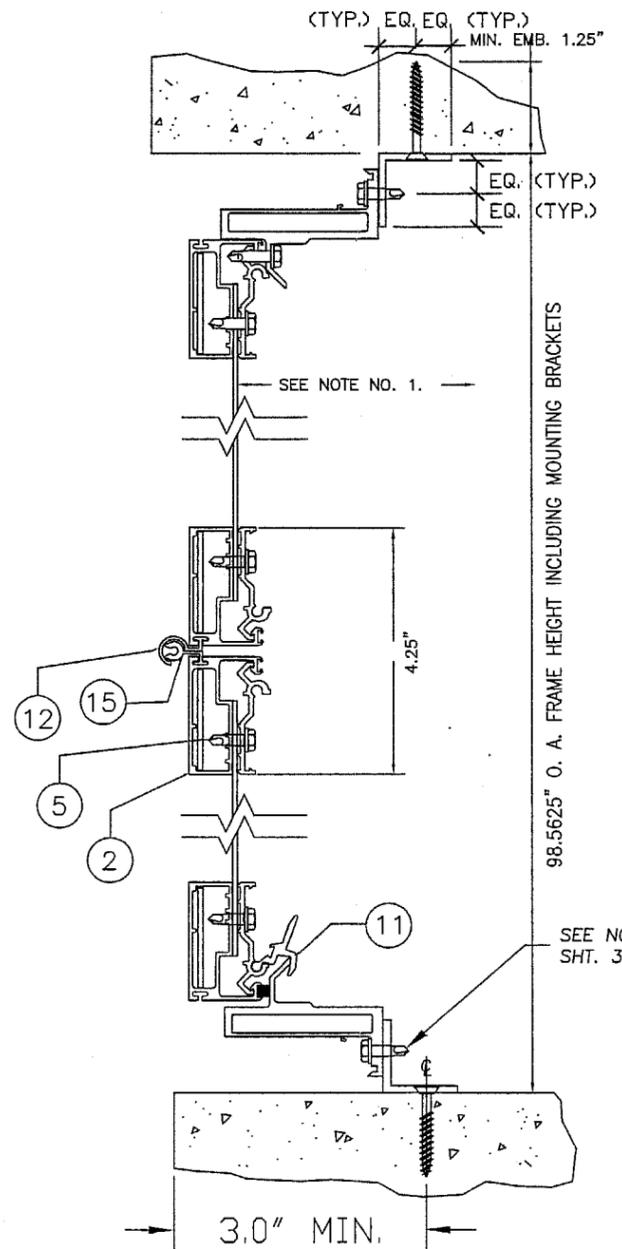
④ VERTICAL CROSS SECTION  
② Optional SurFace Mount Method



① VERTICAL CROSS SECTION  
② Fixed Sash Panel



② VERTICAL CROSS SECTION  
② Top Hinge



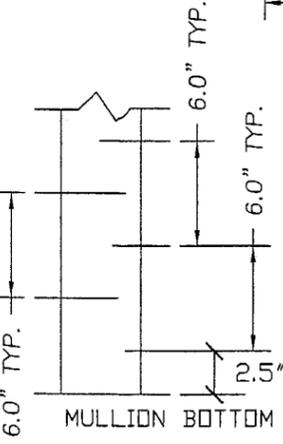
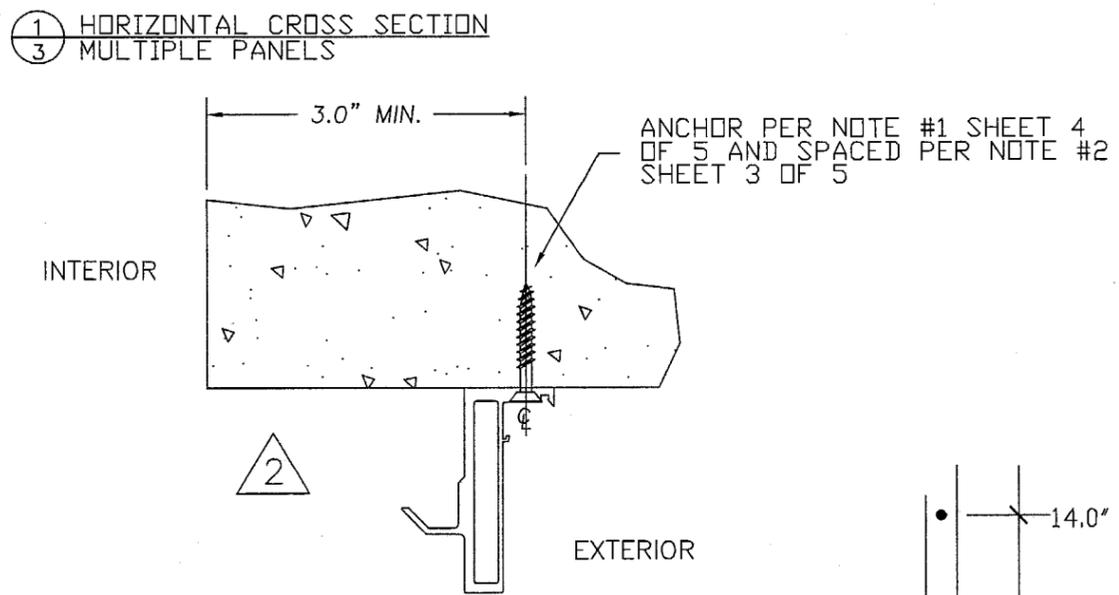
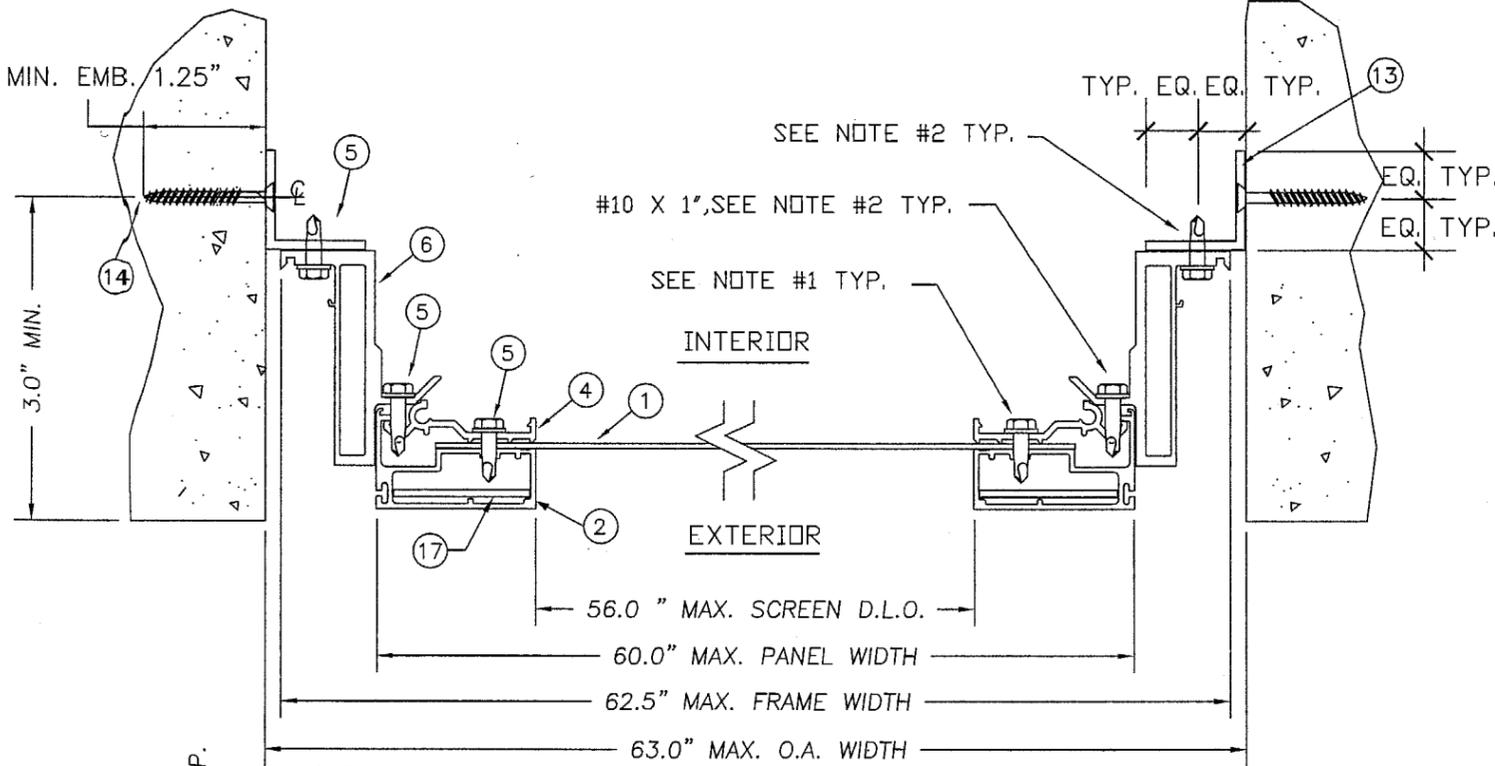
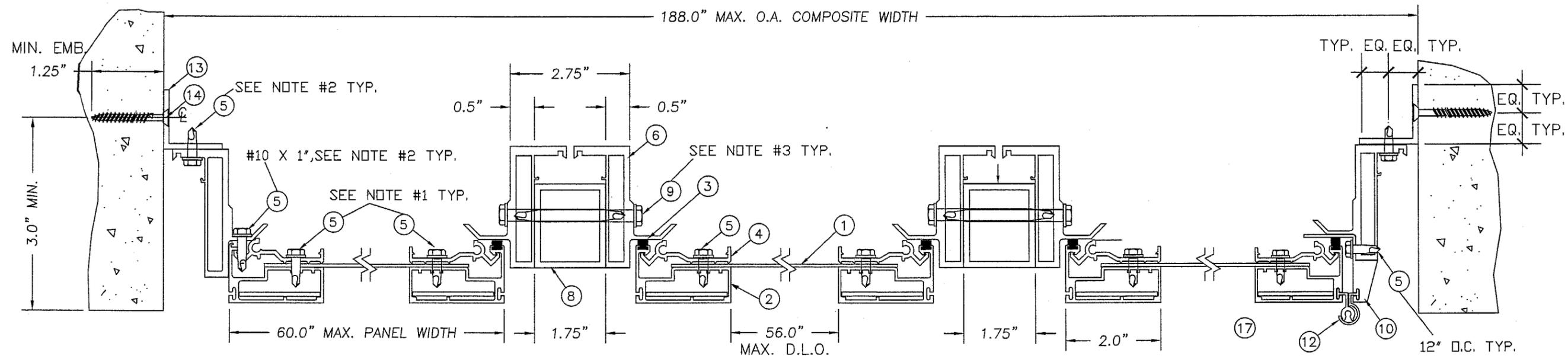
③ VERTICAL CROSS SECTION  
② Center Hinge

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

*Lyndon F. Schmidt*  
Lyndon F. Schmidt  
19506 French Lace Drive  
Lutz, FL 33558  
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February 13, 2003

**PRODUCT REVISED**  
as complying with the Florida Building Code  
Acceptance No 02-1104.01  
Expiration Date 02/04/2008  
By *Helmut A. Weber*  
Miami Dade Product Control Division

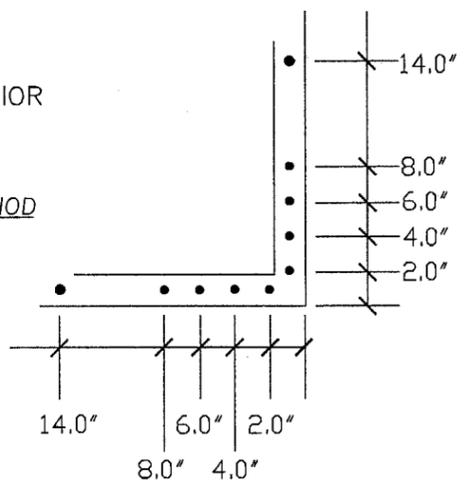
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SCALE: N.T.S.
DWG. BY: RWBC
CHK. BY: -
DRAWING NO.: S100-01
SHEET 2 OF 5



**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..



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

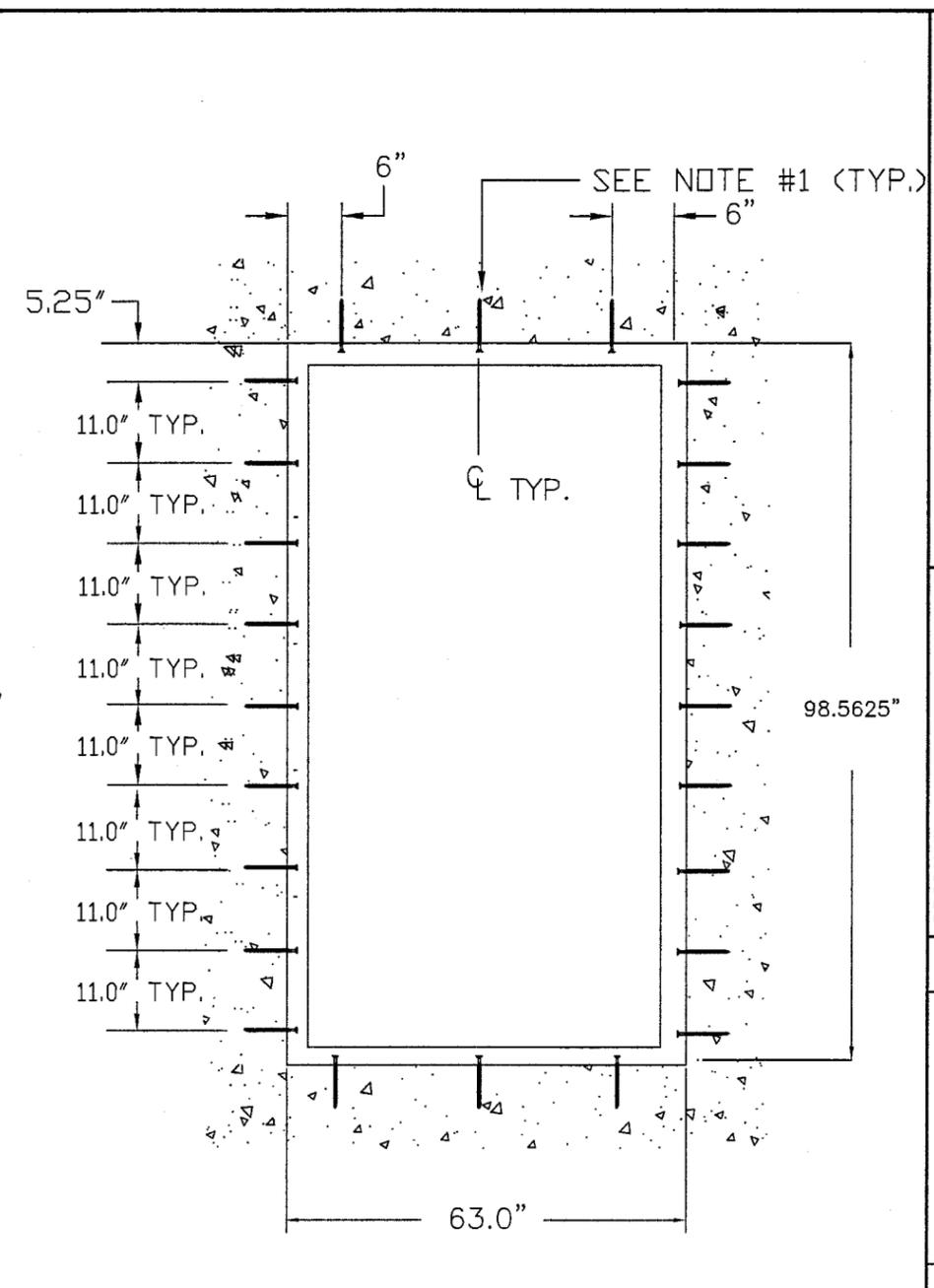
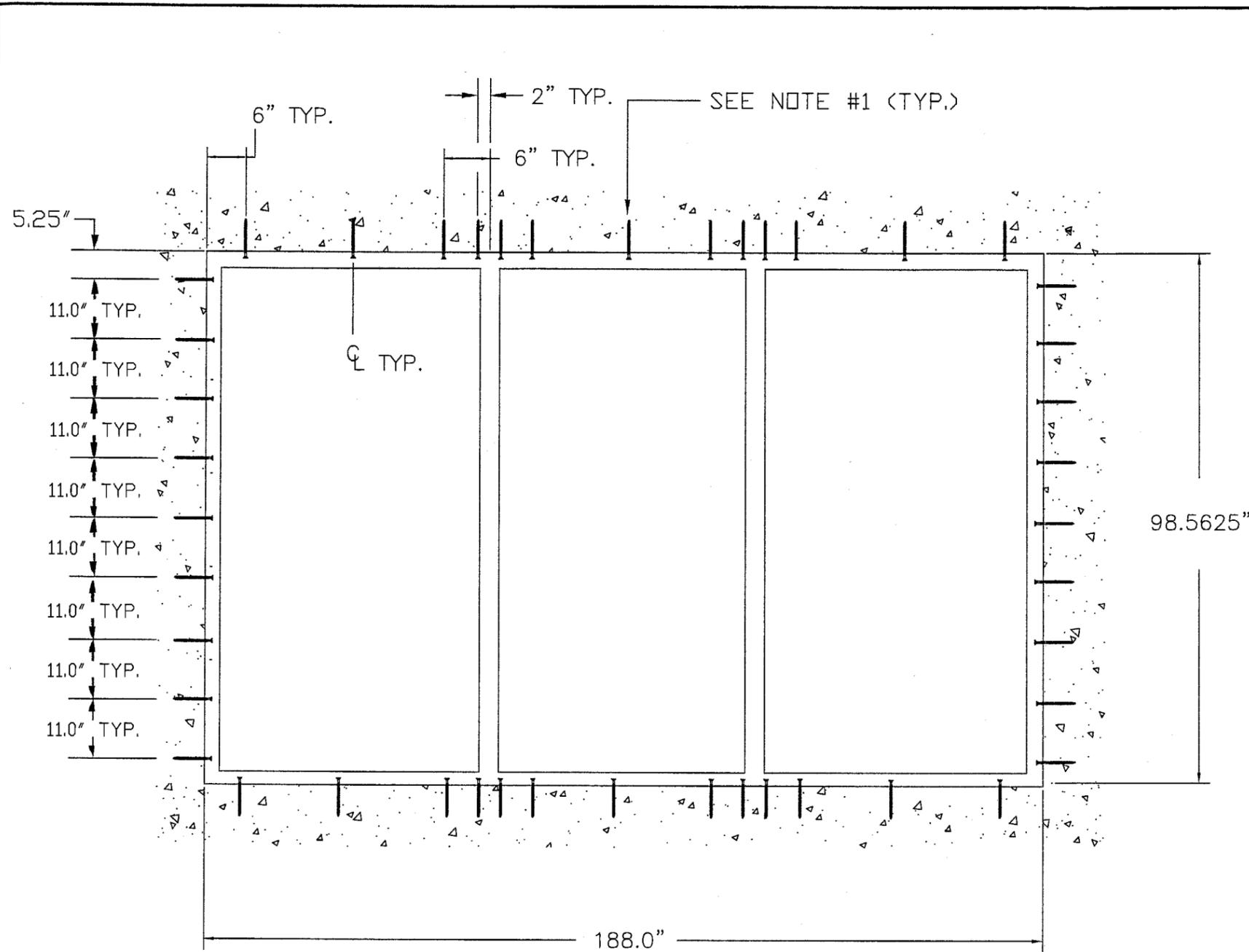
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PH. 770.682.4956 FAX 770.682.3897

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
		RW
		TJH
		RW
		ROF

**RW** BUILDING  
CONSULTANTS, INC.  
813.659.9197

DATE: 08/01/99  
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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.

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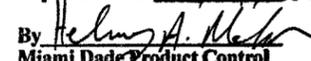
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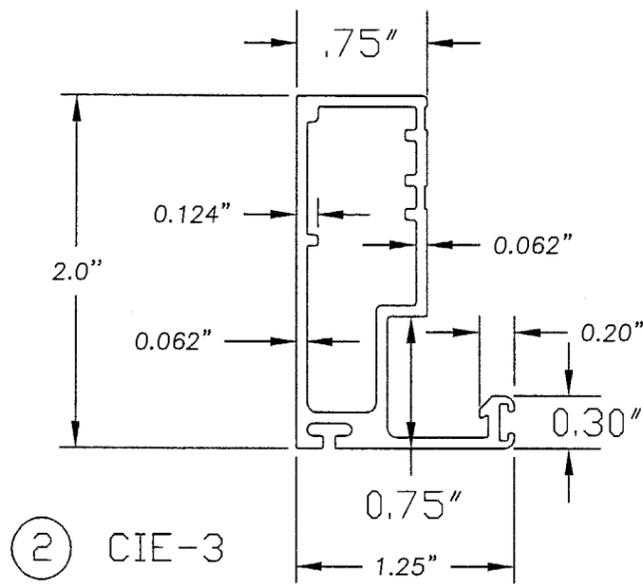
PRODUCT:  
 PHOENIX ARCHITECTURAL PRODUCTS WINDOW SECURITY BARRIER SYSTEM  
 PART OR ASSEMBLY:  
 ANCHORING DETAILS

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

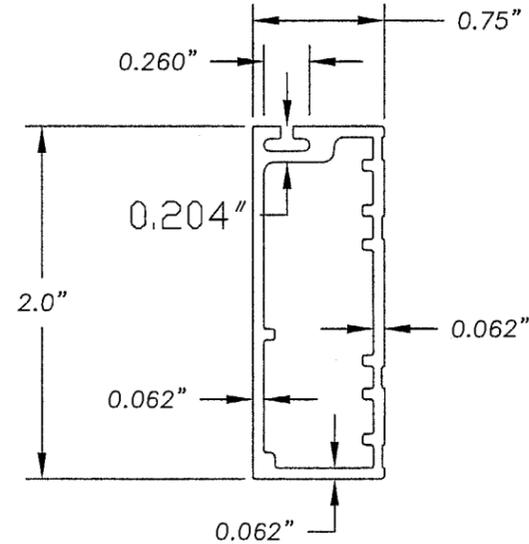
  
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 813.659.9197

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

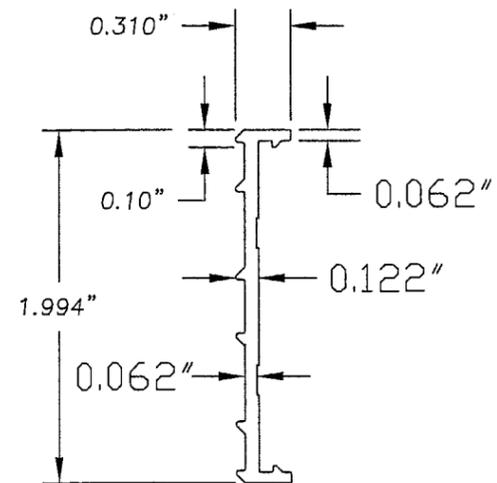
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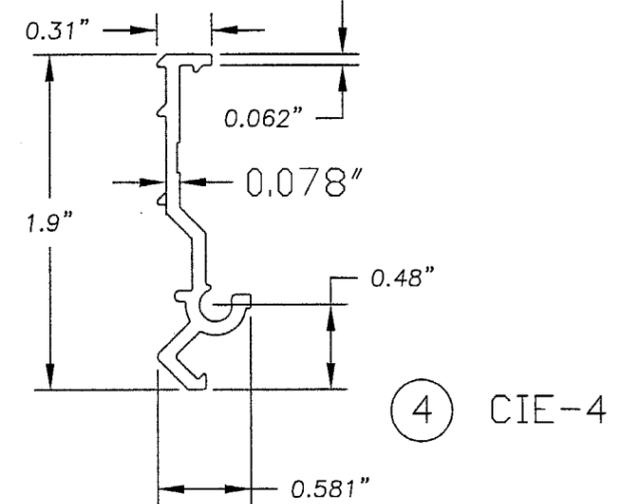
② CIE-3



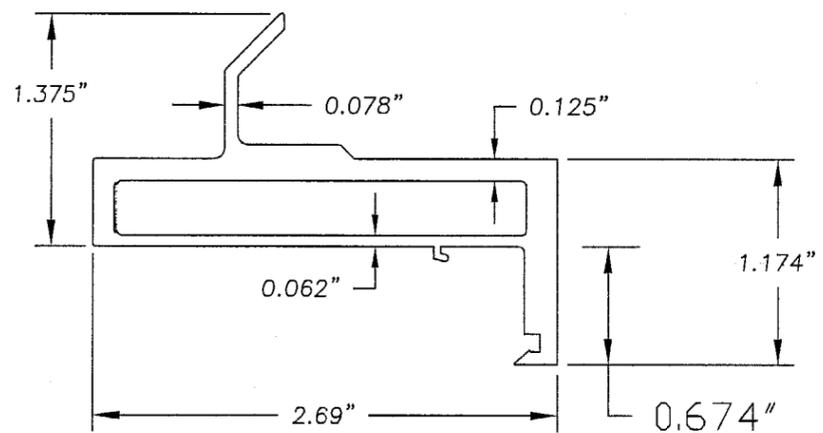
⑦ CIE-6



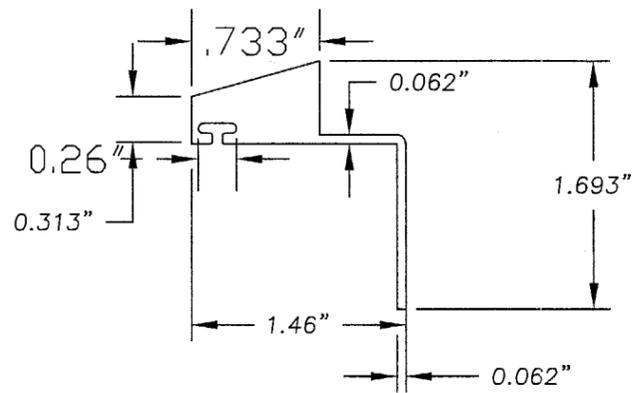
⑬ CIE-7



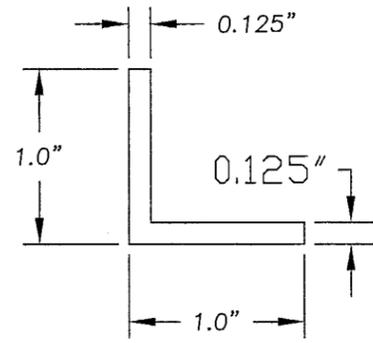
④ CIE-4



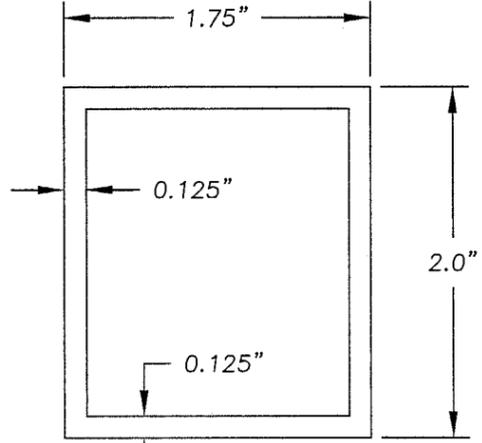
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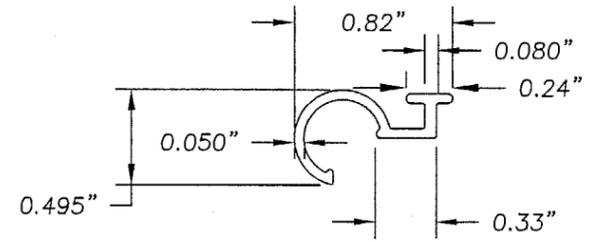
⑩ CIE-5



⑬ "L BAR"



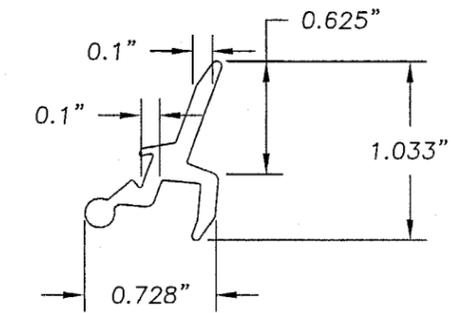
⑧ EXT. ALUM. TUBE



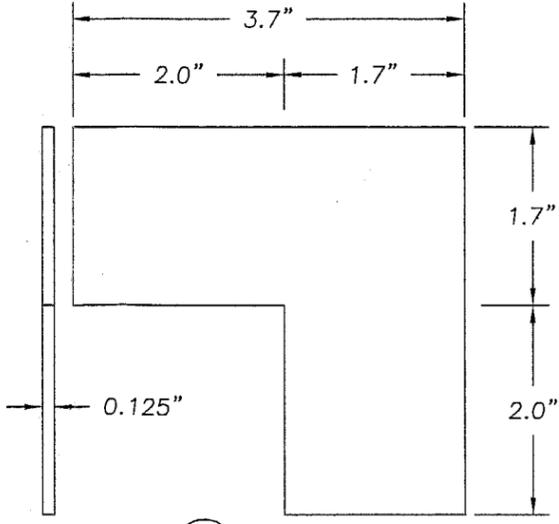
⑫ CIE-2

*Lyndon F. Schmidt*

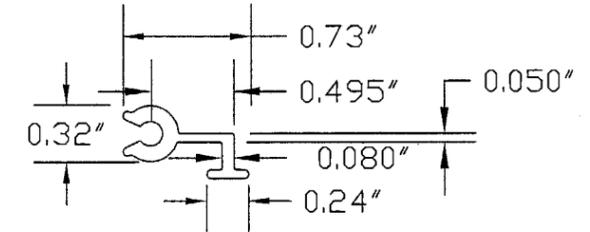
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February 13, 2003



⑪ CIE-8



⑰ SP-7



⑮ CIE-1

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PH. 770.682.4956 FAX 770.682.3697

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 GENERAL
1	12/20/99	GENERAL
		BY
		ROF
		RW
		TJH
		RW

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SHEET 5 OF 5

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