



BUILDING CODE COMPLIANCE OFFICE
METRO-DADE FLAGLER BUILDING
140 WEST FLAGLER STREET, SUITE 1603
MIAMI, FLORIDA 33130-1563
(305) 375-2901 FAX (305) 375-2908

CONTRACTOR LICENSING SECTION
(305) 375-2527 FAX (305) 375-2558

CONTRACTOR ENFORCEMENT DIVISION
(305) 375-2966 FAX (305) 375-2908

PRODUCT CONTROL DIVISION
(305) 375-2902 FAX (305) 372-6339

PRODUCT CONTROL NOTICE OF ACCEPTANCE

Phoenix Archictural Products, Inc
289 Culver Street, South
Lawrenceville ,GA 30045

Your application for Notice of Acceptance (NOA) of:

"Sure guard" Window Security Barrier Systems

under Chapter 8 of the Code of Miami-Dade County governing the use of Alternate Materials and Types of Construction, and completely described herein, has been recommended for acceptance by the Miami-Dade County Building Code Compliance Office (BCCO) under the conditions specified herein.

This NOA shall not be valid after the expiration date stated below. BCCO reserves the right to secure this product or material at any time from a jobsite or manufacturer's plant for quality control testing. If this product or material fails to perform in the approved manner, BCCO may revoke, modify, or suspend the use of such product or material immediately. BCCO reserves the right to revoke this approval, if it is determined by BCCO that this product or material fails to meet the requirements of the South Florida Building Code.

The expense of such testing will be incurred by the manufacturer.

ACCEPTANCE NO.: 00-0815.05
EXPIRES: 02/04/2003

Raul Rodriguez
Chief Product Control Division

**THIS IS THE COVERSHEET, SEE ADDITIONAL PAGES FOR SPECIFIC AND GENERAL
CONDITIONS
BUILDING CODE & PRODUCT REVIEW COMMITTEE**

This application for Product Approval has been reviewed by the BCCO and approved by the Building Code and Product Review Committee to be used in Miami-Dade County, Florida under the conditions set forth above.

Francisco J. Quintana, R.A.
Director
Miami-Dade County
Building Code Compliance Office

APPROVED: 02/01/2001

Phoenix Architectural Products, Inc.

ACCEPTANCE No. : 00-0815.05

APPROVED : 02/01/2001

EXPIRES : 02/04/2003

NOTICE OF ACCEPTANCE: STANDARD CONDITIONS

1. SCOPE

This revises the Notice of Acceptance No. 99-0831.01, which was issued on February 4, 2000. It approves a 14 gauge (0.090") galvanized steel window security barrier system, as described in Section 2 of this Notice of Acceptance, designed to comply with the South Florida Building Code, 1994 Edition for Miami-Dade County, for the locations where the pressure requirements, as determined by SFBC Chapter 23, do not exceed the Design Pressure Rating values indicated in the approved drawings.

2. PRODUCT DESCRIPTION

This 14 gauge (0.090") galvanized steel window security barrier system and its components shall be constructed in strict compliance with the following documents: 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., 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. These documents shall hereinafter be referred to as the approved drawings.

3. LIMITATIONS

All permanent set components, included but not limited to embedded anchor bolts, threaded cones, metal shields, headers and sills, must be protected against corrosion, contamination and damage at all times.

4. INSTALLATION

This 14 gauge (0.090") galvanized steel window security barrier system and its components shall be installed in strict compliance with the approved drawings.

5. 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".

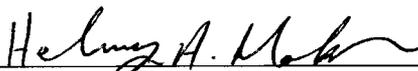
6. BUILDING PERMIT REQUIREMENTS

6.1 Application for building permit shall be accompanied by copies of the following:

6.1.1 This Notice of Acceptance.

6.1.2 Duplicate copies of the approved drawings, as identified in Section 2 of this Notice of Acceptance, clearly marked to show the components selected for the proposed installation.

6.1.3 Any other documents required by the Building Official or the South Florida Building Code (SFBC) in order to properly evaluate the installation of this system.



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

Phoenix Architectural Products, Inc.

ACCEPTANCE No. : 00-0815.05

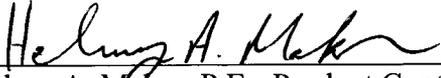
APPROVED : 02/01/2001

EXPIRES : 02/04/2003

NOTICE OF ACCEPTANCE: STANDARD CONDITIONS

1. Renewal of this Acceptance (approval) shall be considered after a renewal application has been filed and the original submitted documents, including test-supporting data, engineering documents, are no older than eight (8) years.
2. Any and all approved products shall be permanently labeled with the manufacturer's name, city, state, and the following statement: "Miami-Dade County Product Control Approved", or as specifically stated in the specific conditions of this Acceptance.
3. Renewals of Acceptance will not be considered if:
 - a. There has been a change in the South Florida Building Code affecting the evaluation of this product and the product is not in compliance with the code changes.
 - b. The product is no longer the same product (identical) as the one originally approved.
 - c. If the Acceptance holder has not complied with all the requirements of this acceptance, including the correct installation of the product.
 - d. The engineer, who originally prepared, signed and sealed the required documentation initially submitted, is no longer practicing the engineering profession.
4. Any revision or change in the materials, use, and/or manufacture of the product or process shall automatically be cause for termination of this Acceptance, unless prior written approval has been requested (through the filing of a revision application with appropriate fee) and granted by this office.
5. Any of the following shall also be grounds for removal of this Acceptance:
 - a. Unsatisfactory performance of this product or process.
 - b. Misuse of this Acceptance as an endorsement of any product, for sales, advertising or any other purposes.
6. The Notice of Acceptance 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 Notice of Acceptance is displayed, then it shall be done in its entirety.
7. A copy of this Acceptance as well as approved drawings and other documents, where it applies, shall be provided to the user by the manufacturer or its distributors and shall be available for inspection at the job site at all times. The engineer needs not reseal the copies.
8. Failure to comply with any section of this Acceptance shall be cause for termination and removal of Acceptance.
9. This Notice of Acceptance consists of pages 1, 2 and this last page 3.

END OF THIS ACCEPTANCE



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

SURE GUARD

WINDOW SECURITY BARRIER SYSTEM

GENERAL NOTES

1. THIS PRODUCT IS DESIGNED TO MEET THE SOUTH FLORIDA BUILDING CODE 1994 EDITION FOR MIAMI-DADE COUNTY.
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

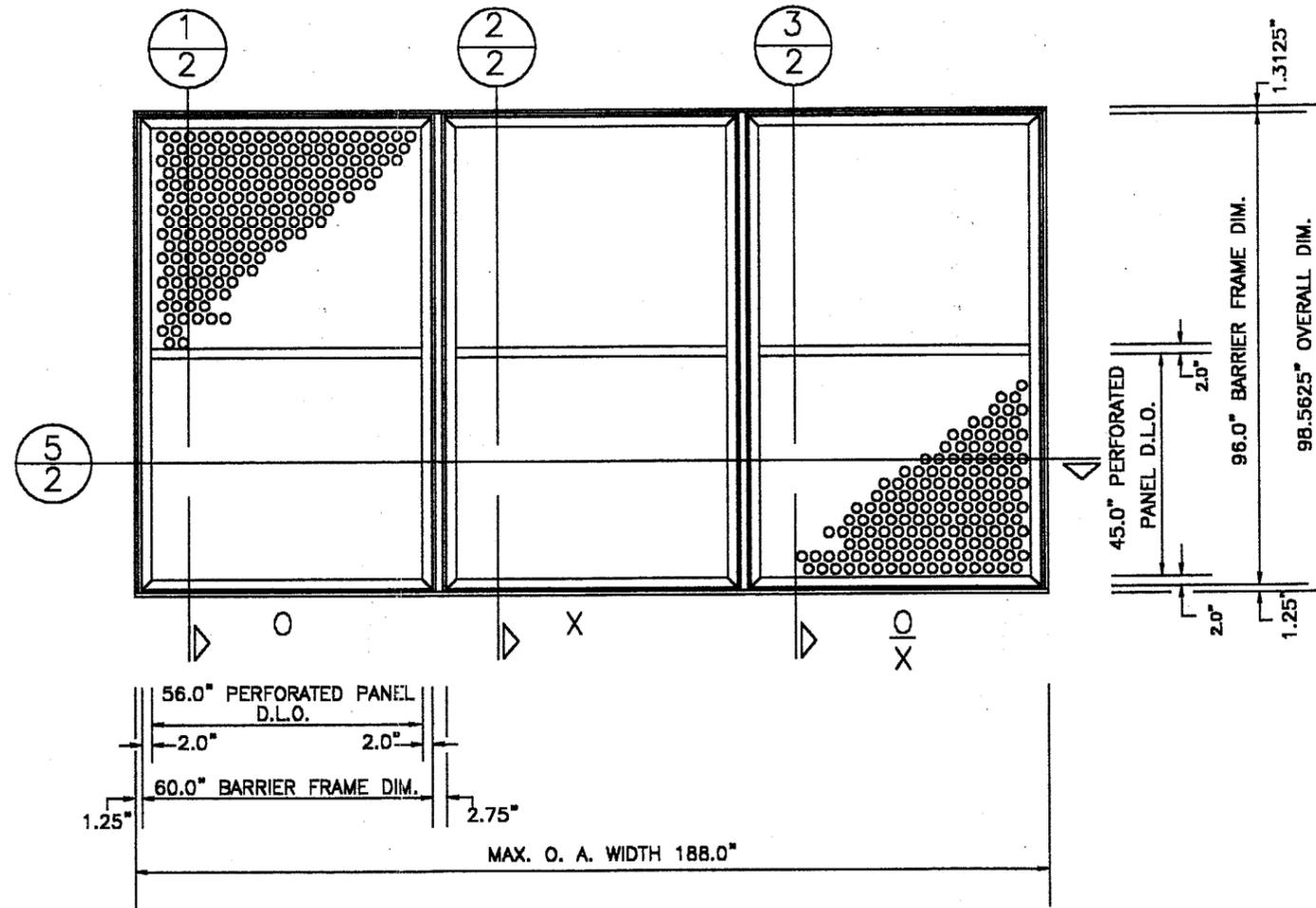
FRAME CONSTRUCTION:

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. (0.090") 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, DOUBLE OR TRIPLE UNIT. FIXED, CENTER HINGE, SIDE HINGE AND TOP HINGE MAY BE COMBINED.

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

PRODUCT: SURE GUARD WINDOW SECURITY BARRIER SYSTEM
 PART OR ASSEMBLY: GENERAL NOTES & ELEVATIONS

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

Rgw
 CONSULTING
 (813) 684-3831

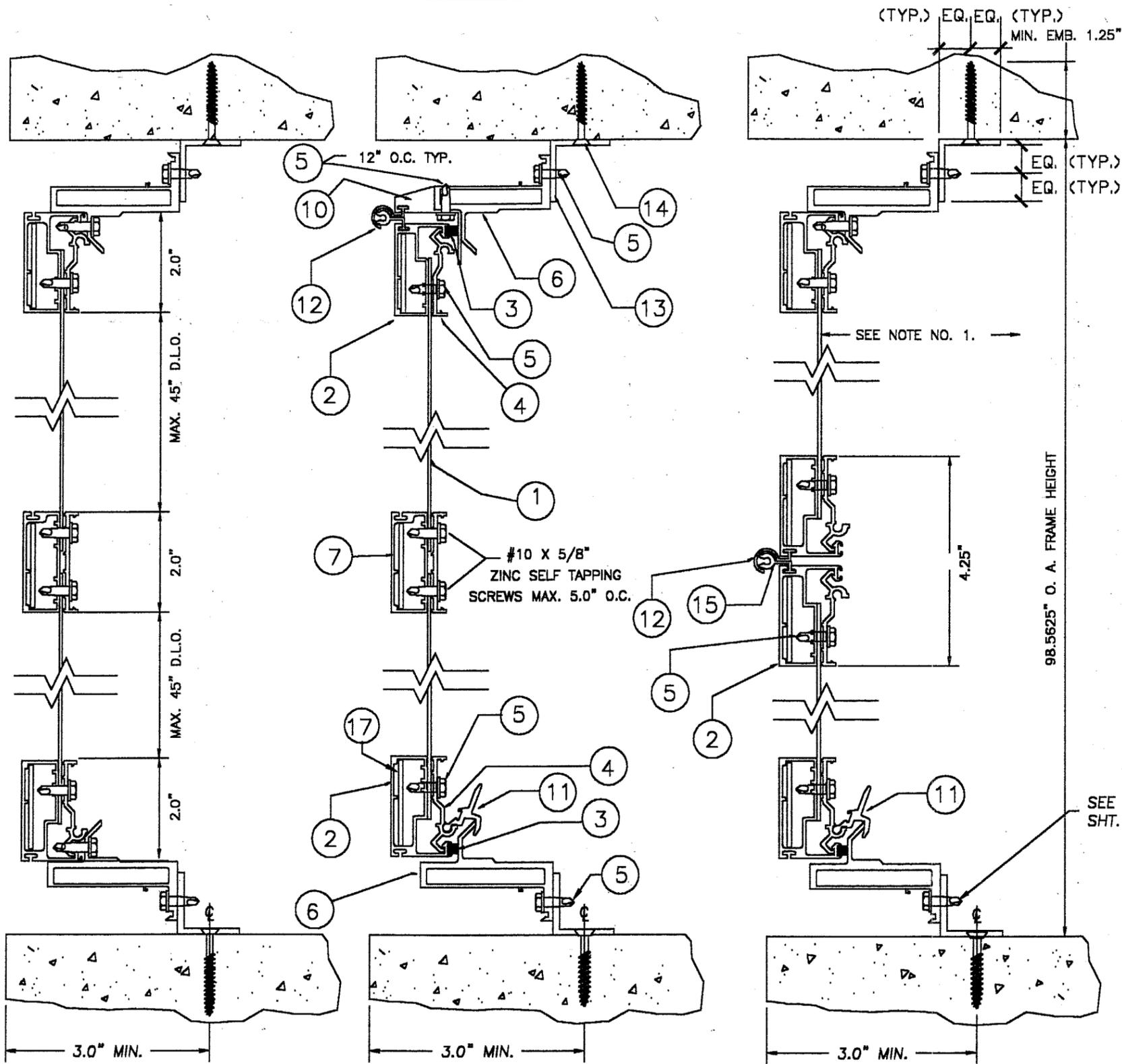
TABLE OF CONTENTS	
SHEET	DESCRIPTION
1	GENERAL NOTES & TYPICAL ELEVATIONS
2	VERTICAL CROSS SECTIONS & BILL OF MATERIALS
3	HORIZONTAL CROSS SECTIONS
4	ANCHOR LOCATIONS
5	COMPONENTS

Mark C. Fetherman

Mark C. Fetherman
 State Of Florida Professional Engineer #40116
 January 10, 2001

APPROVED AS COMPLYING WITH THE SOUTH FLORIDA BUILDING CODE
 DATE: 02/01/2001
 BY: *Helmut A. Mader*
 PRODUCT CONTROL DIVISION
 BUILDING CODE COMPLIANCE OFFICE
 ACCEPTANCE NO. 00-0815.05

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



① VERTICAL CROSS SECTION
② Fixed Sash Panel

③ VERTICAL CROSS SECTION
② Top Hinge

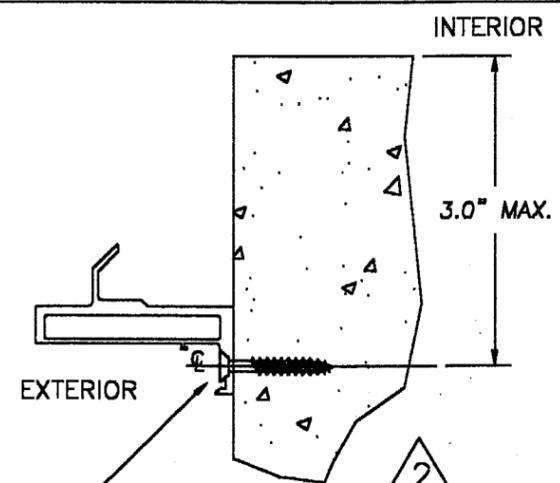
② VERTICAL CROSS SECTION
② Center Hinge

NOTE:
1. Security Barrier Screen must be placed at a minimum 3.5\"/>

Mark C. Fetherman
Mark C. Fetherman
State Of Florida Professional Engineer #40116
January 10, 2001

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



ANCHOR PER NOTE #1 SHEET 4 OF 5 AND SPACED PER NOTE #2 SHEET 3 OF 5.

④ VERTICAL CROSS SECTION
② Optional Surface Mount Method

APPROVED AS COMPLYING WITH THE SOUTH FLORIDA BUILDING CODE
DATE 02/01/2001
BY *Heung A. Mook*
PRODUCT CONTROL DIVISION
BUILDING CODE COMPLIANCE OFFICE
ACCEPTANCE NO. 00-0815.05

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SECURITY BARRIERS, ALUMINUM WINDOWS & DOORS
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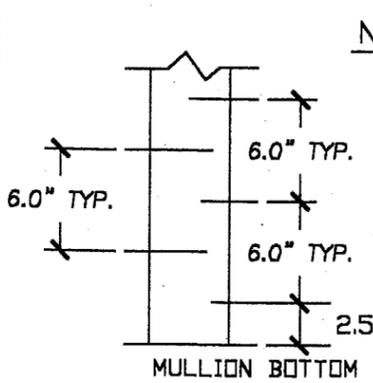
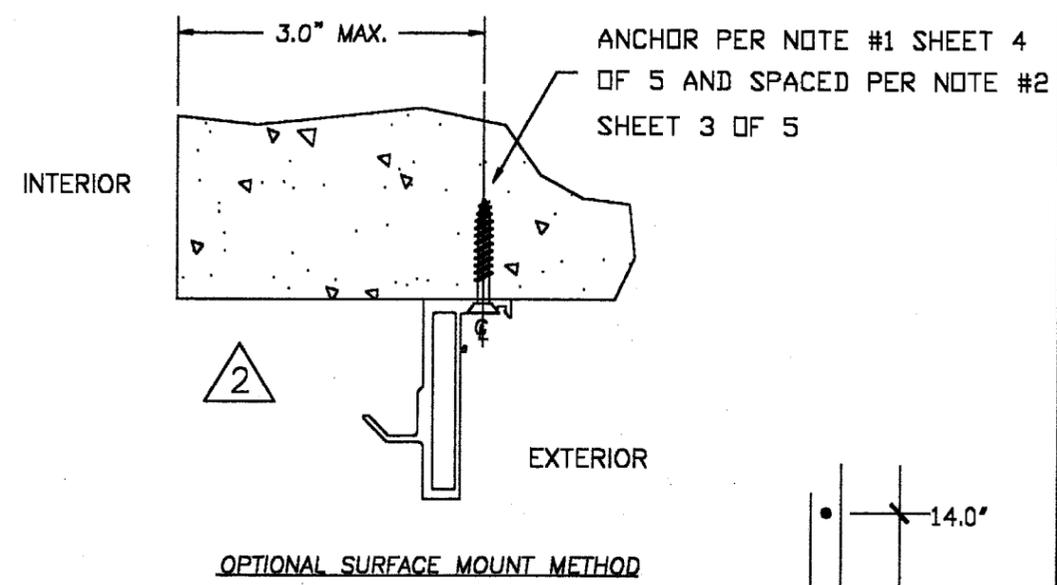
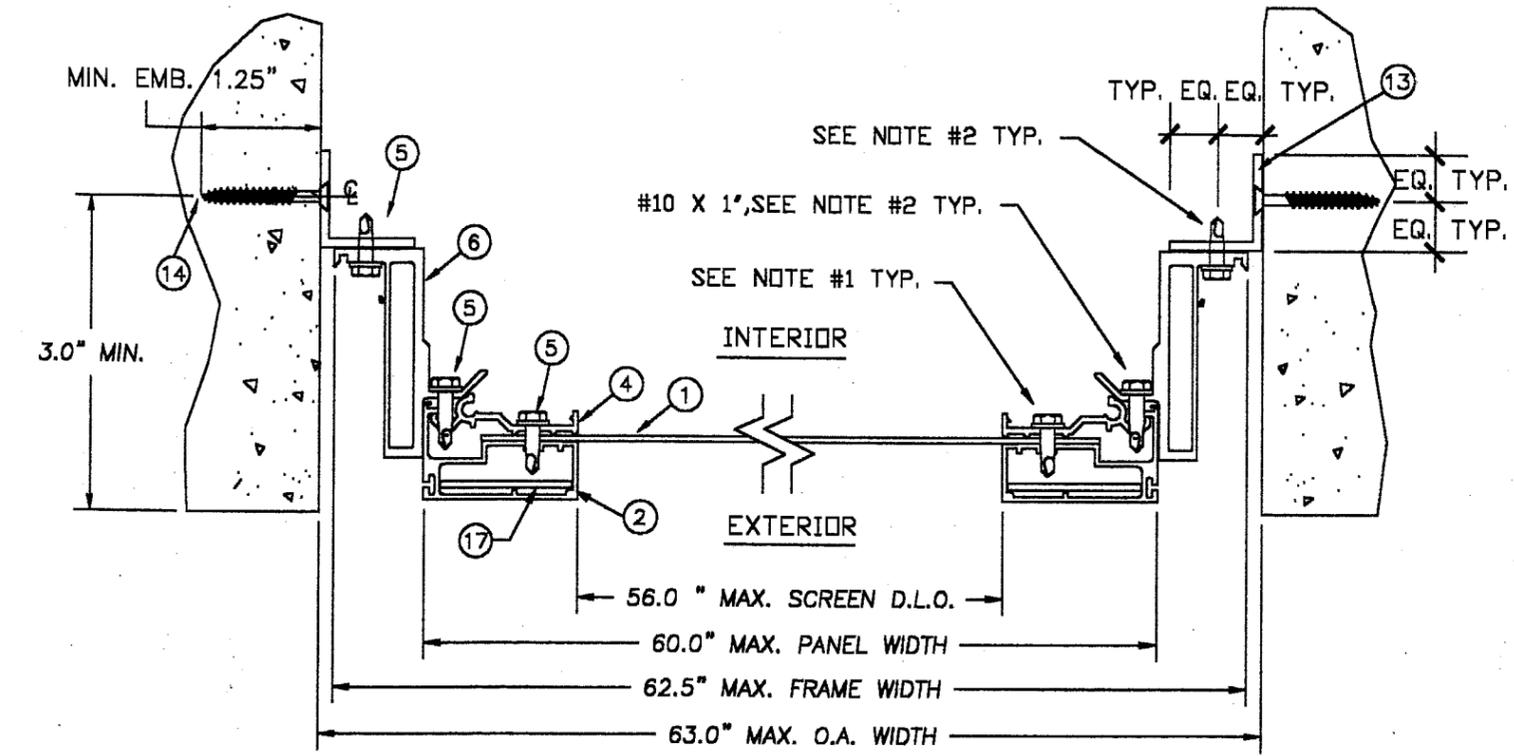
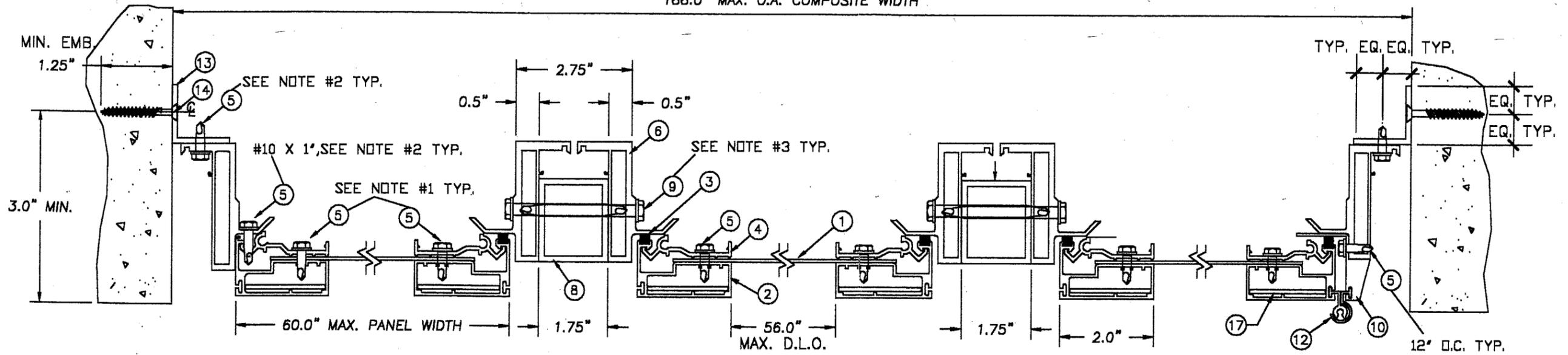
PRODUCT: SURE GUARD WINDOW SECURITY BARRIER SYSTEM
PART OR ASSEMBLY: VERTICAL CROSS SECTIONS
BILL OF MATERIALS

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

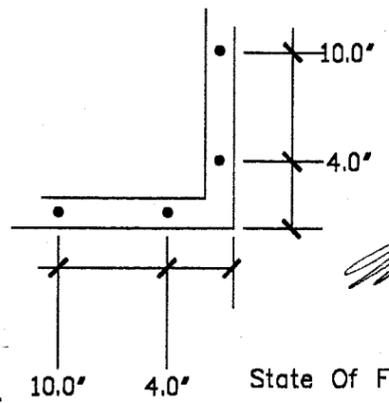
RW
CONSULTING
(813) 684-3831

DATE: 08/01/99
SCALE: N.T.S.
DWG. BY: RWBC
CHK. BY: -
DRAWING NO.: S100-01
SHEET 2 OF 5

188.0" MAX. O.A. COMPOSITE WIDTH

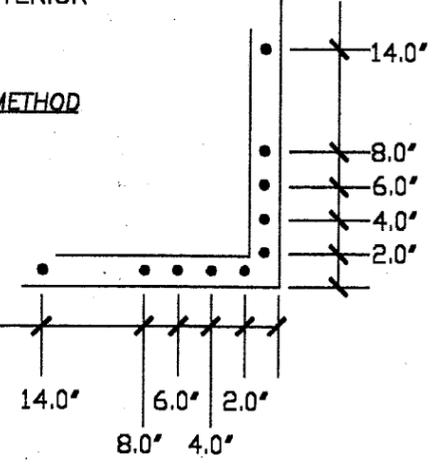


NOTE: 3
SCREWS 6" O.C. STAGGERED.
SPACED 2.5" MAX. FROM TOP & BOTTOM.



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.



Mark C. Fetherman

Mark C. Fetherman
State Of Florida Professional Engineer #40116
January 10, 2001

APPROVED AS COMPLYING WITH THE
SOUTH FLORIDA BUILDING CODE
DATE 02/01/2001
BY *Helmer A. Mark*
PRODUCT CONTROL DIVISION
BUILDING CODE COMPLIANCE OFFICE
ACCEPTANCE NO. 00-0815.05

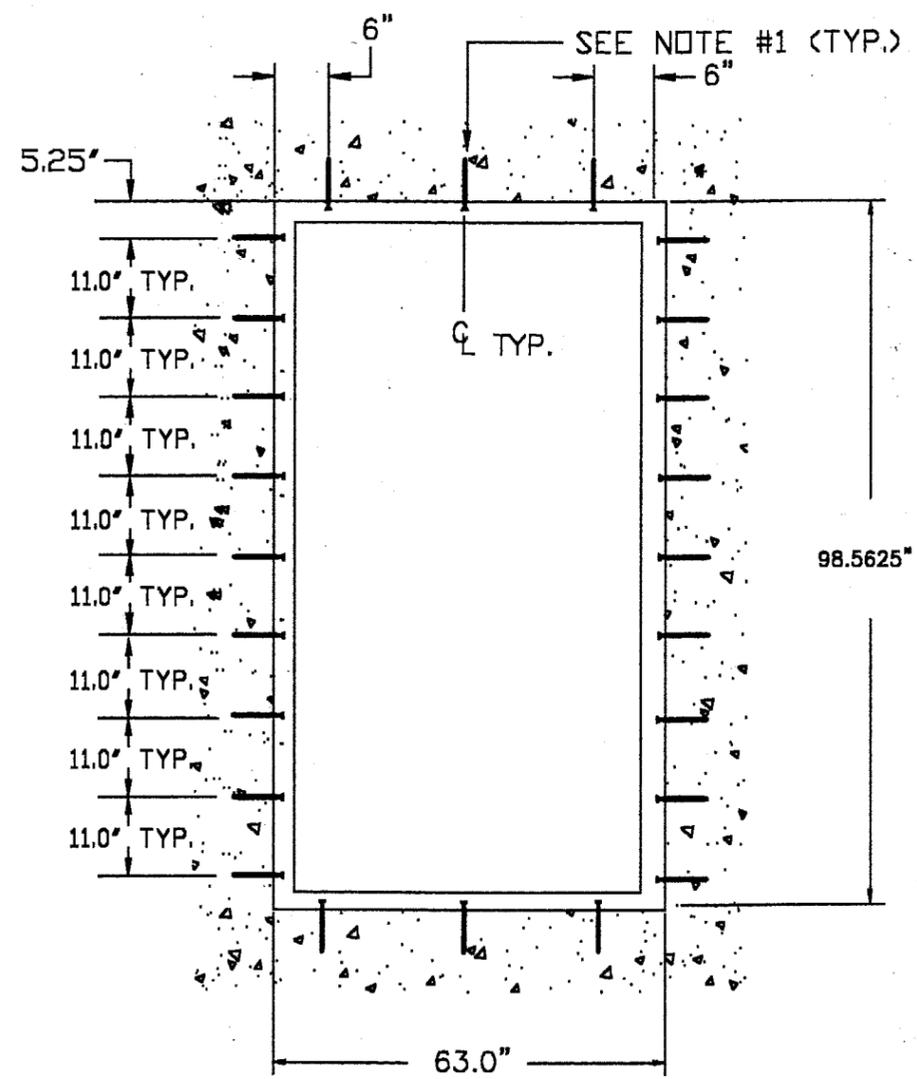
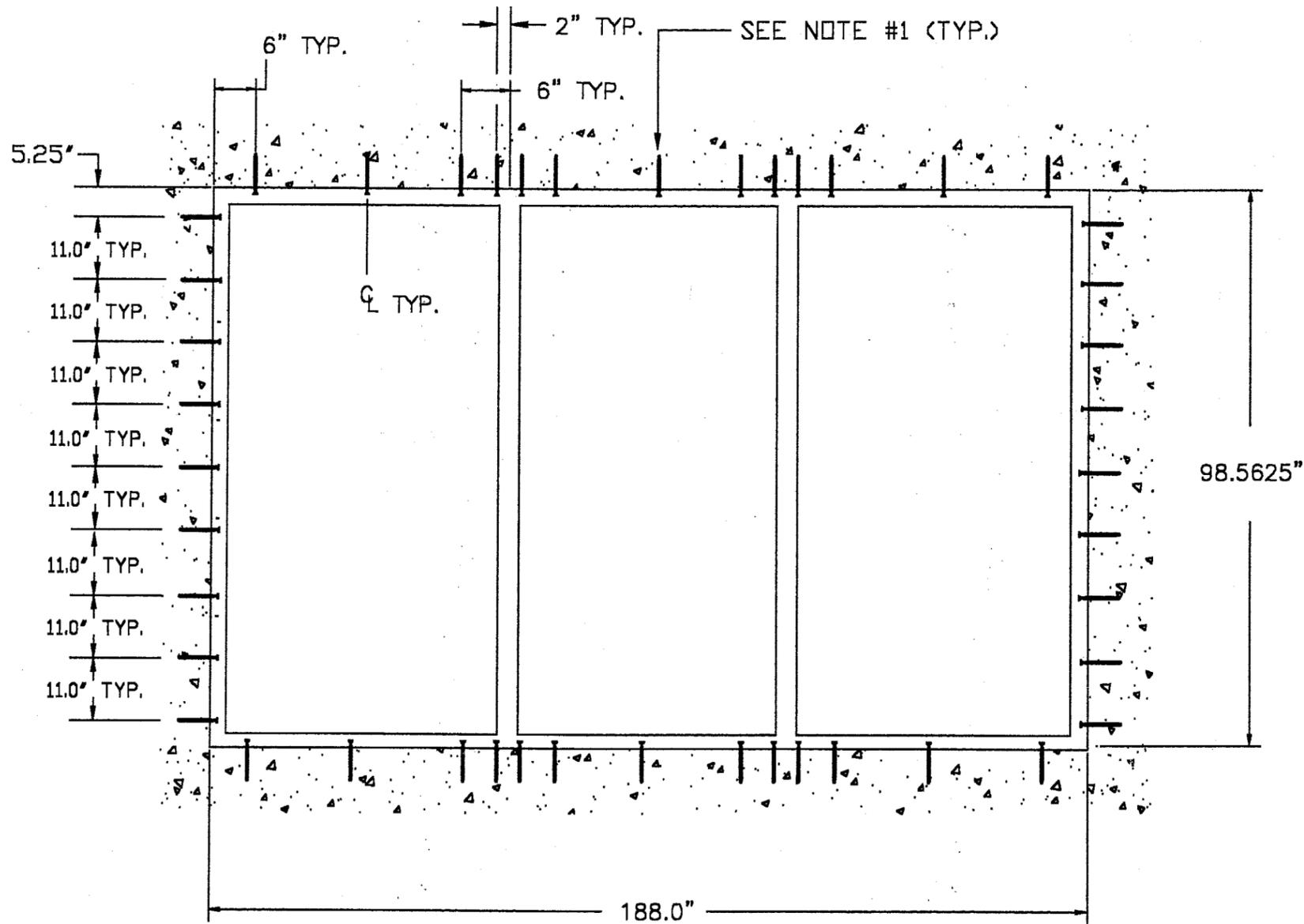
RW
CONSULTING
(813) 684-3831

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

PRODUCT: SURE GUARD WINDOW SECURITY BARRIER SYSTEM
PART OR ASSEMBLY: HORIZONTAL CROSS SECTIONS

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

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



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.

Mark C. Fetherman
 Mark C. Fetherman
 State Of Florida Professional Engineer #40116
 January 10, 2001

APPROVED AS COMPLYING WITH THE
 SOUTH FLORIDA BUILDING CODE
 DATE 02/01/2001
 BY Heather A. Miller
 PRODUCT CONTROL DIVISION
 BUILDING CODE COMPLIANCE OFFICE
 ACCEPTANCE NO. 00-0815.05

RW
 CONSULTING
 (813) 684-3831

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

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

PRODUCT: SURE GUARD WINDOW SECURITY BARRIER SYSTEM
 PART OR ASSEMBLY: ANCHORING

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

