



**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)

**Kane Manufacturing Corporation
9 Wetmore Avenue
Kane, PA 16735**

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: 0.785" Galvanized Perforated Steel Hurricane Barrier

APPROVAL DOCUMENT: Drawing No. **02-839R1**, titled "Aluminum Van Guard II Hurricane Barrier", sheets 1 through 5, prepared by EngCo, Inc., dated 8/12/02, signed and sealed by Pedro De Figueiredo, 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.

MISSILE IMPACT RATING: Large and Small Missile Impact

LABELING: Each unit shall bear a permanent label with the manufacturer's name or logo, city, state and 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 consists of this page 1 as well as approval document mentioned above.

The submitted documentation was reviewed by **Theodore Berman, P.E.**



**NOA No 02-0501.07
Expiration Date: September 12, 2007
Approval Date: September 12, 2002
Page 1**

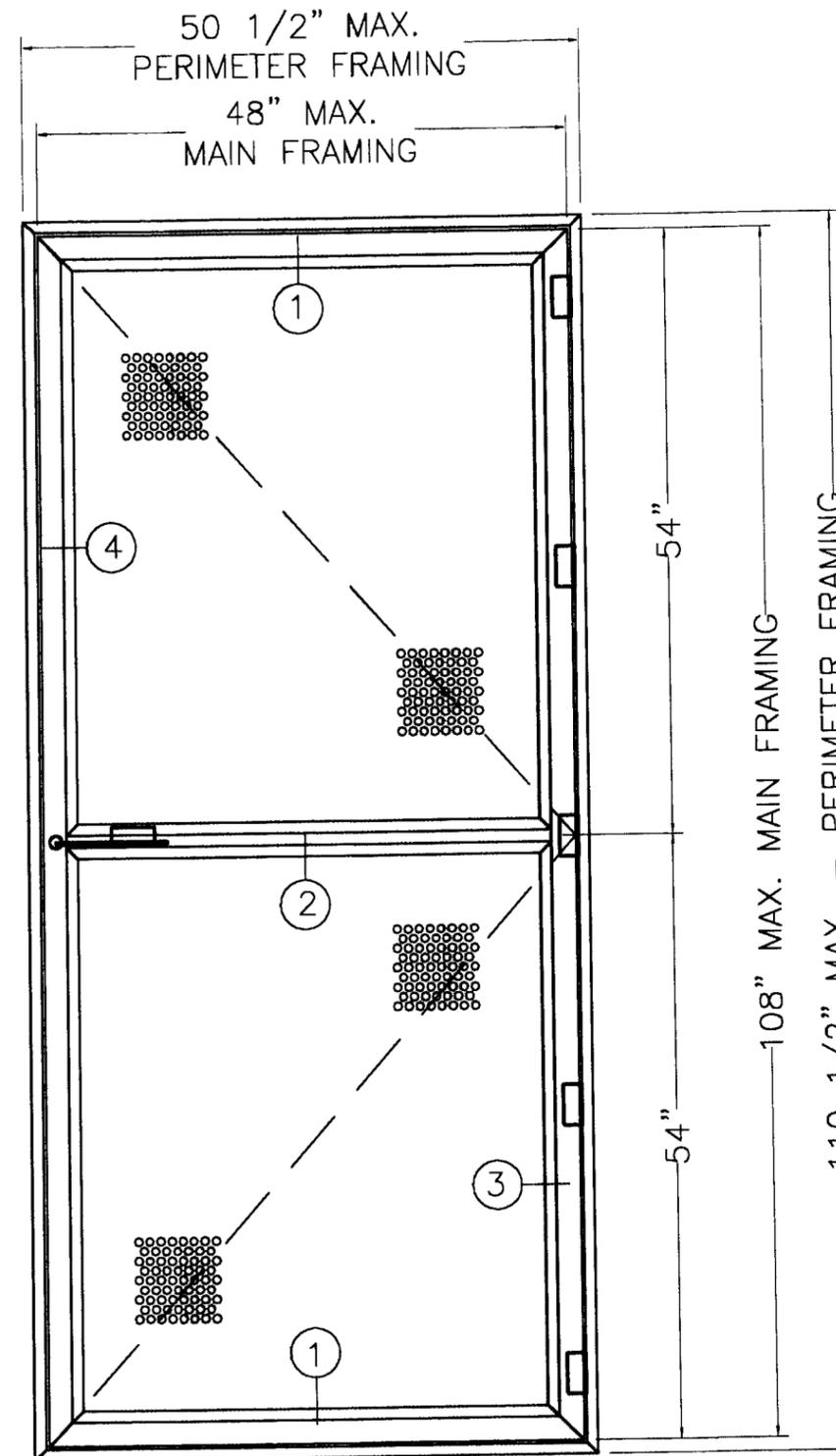
GENERAL NOTES:

- 1- DEFINITION: THIS PRODUCT IS A HURRICANE SHUTTER, 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 2001 EDITION, (INCLUDING HIGH VELOCITY ZONES).
- 3- POSTING: A PERMANENT LEGIBLE DECAL SHALL BE PLACED AT A VISIBLE LOCATION STATING THE FOLLOWING:
 'ALUMINUM VANGUARD II HURRICANE BARRIER
 KANE SCREENS - KANE - PENNSYLVANIA
 DADE COUNTY PRODUCT CONTROL APPROVED'
- 4- LOADS: DESIGNED PRESSURE CALCULATIONS SHALL BE PERFORMED BY A PROFESSIONAL ARCHITECT OR ENGINEER IN ACCORDANCE WITH ASCE 7-98.
- 5- MATERIAL: ALL ALUMINUM COMPONENTS SHALL BE EXTRUDED SHAPES 6063-T6 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- DISCLAIMER: ENGCO INC. HAS NO CONTROL IN THE MANUFACTURING AND/OR PERFORMANCE OF THIS PRODUCT. THESE GENERIC PLANS WERE ENGINEERED IN ACCORDANCE WITH ACCEPTED ENGINEERING PRACTICES AND TEST DATA PROVIDED BY THE MANUFACTURER.
- 8- INFORMATION SHOWN ON THIS DRAWINGS IS PROPRIETAY AND THE SOLE PROPERTY OF KANE SCREENS, AND IS NOT TO BE REPRODUCED, DISCLOSED OR TRANSMITTED TO OTHERS FOR ANY PURPOSE NOT AUTHORIZED BY KANE SCREENS.

DESIGNED PRESSURES:
 Pd= +83 -83 PSF

NOTES:

- 1- PRODUCT CAN BE INSTALLED ROTATED.
- 2- 14GA PERFORATED PLATE - 51 %POROSITY



Approved as complying with the
 Florida Building Code
 Date 09/12/02
 NOAH 02-0501.07
 Miami Dade Product Control
 Division
 By: *Cleopatra Bernan*

Manufacturer:
Kane Screens
 515 N. FRALEY STREET
 KANE, PA 16735
 Tel.: (814) 837-6464
 Fax.: (814) 837-6230

Product:
Aluminum Van Guard II Hurricane Barrier

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

[Signature]
 AUG 19 2002
 Engineer Seal
 Pedro De Figueiredo
 PE 52609

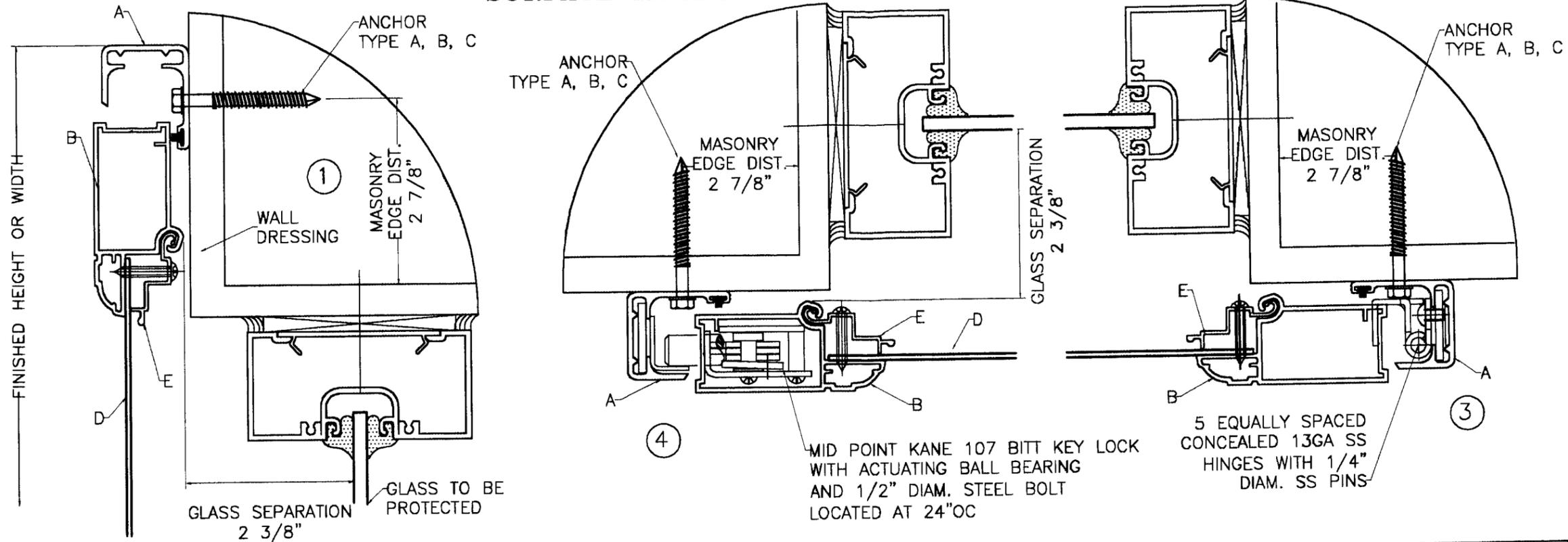
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 Scale: NA
 Design by: PPMF

Revision:

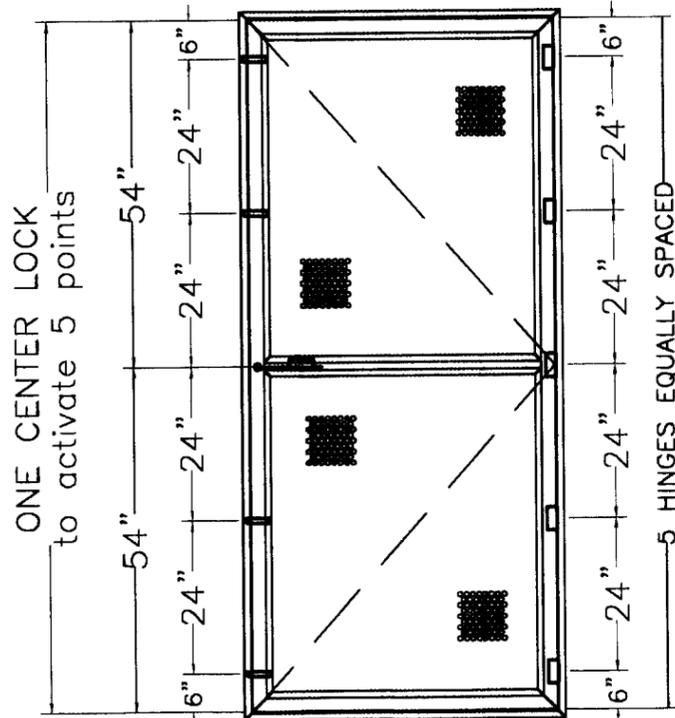
Drawing Number
 02-839R1

Sheet
 1 of 5

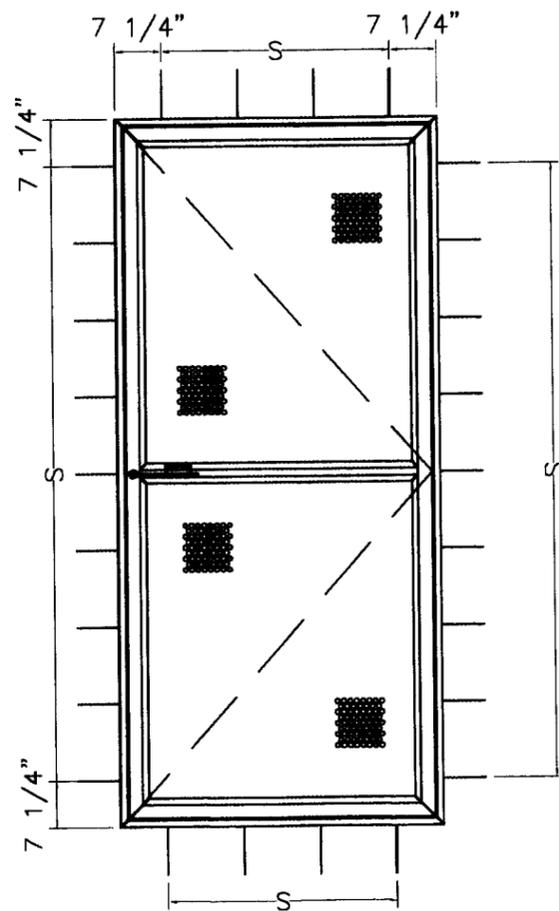
SURFACE MOUNT



HARDWARE LAYOUT

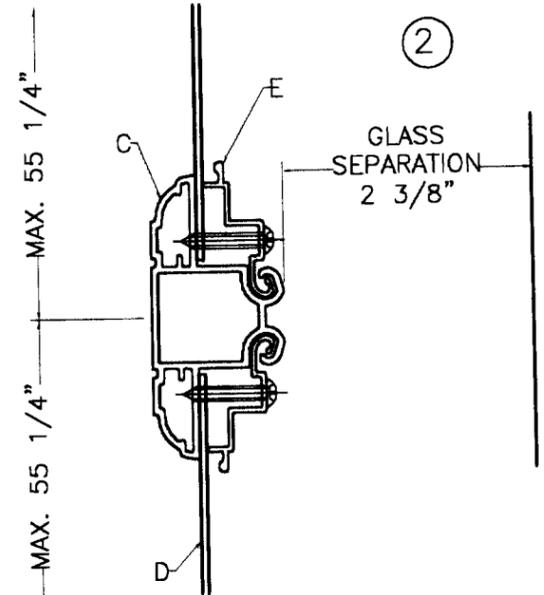


ANCHOR LAYOUT



ANCHORS:	
TYPE	DESCRIPTION
A	#14 WOOD SCREWS W/ #10-14 SCRU-LEAD W/ 1 1/2" EMBEDMENT INTO 2000 PSI CONCRETE
B	#14 WOOD SCREWS W/ #10-14 SCRU-LEAD W/ 1" EMBEDMENT INTO C90-HOLLOW BLOCK
C	#12 WOOD SCREWS W/ 1 1/2" MIN. EMBEDMENT INTO WOOD (sg) = 55

PERIMETER ANCHORS SPACING:		
TYPE	INSTALLATION	SPACING(S)
A	SURFACE MOUNT	12 OC
B	SURFACE MOUNT	6 OC
C	SURFACE MOUNT	12 OC



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 Date 09/12/02
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 Miami Dade Product Control
 Division
 By: *Clayton Bowman*

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 515 N. FRALEY STREET
 KANE, PA 16735
 Tel.: (814) 837-6464
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Product:
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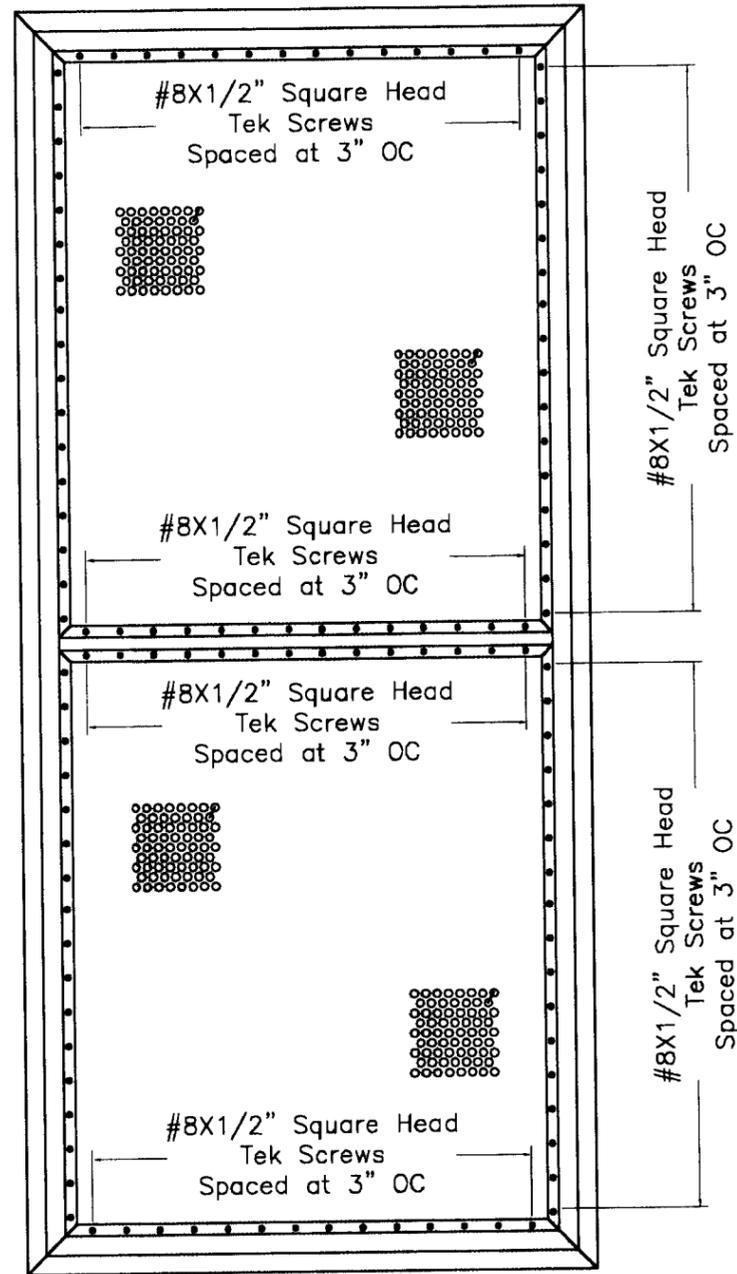
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Revision:

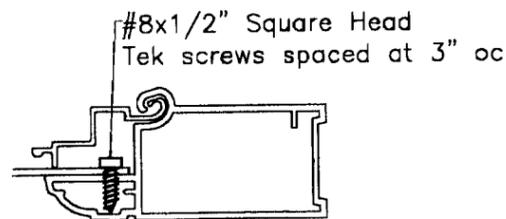
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 02-839R1

Sheet
 2 of 5

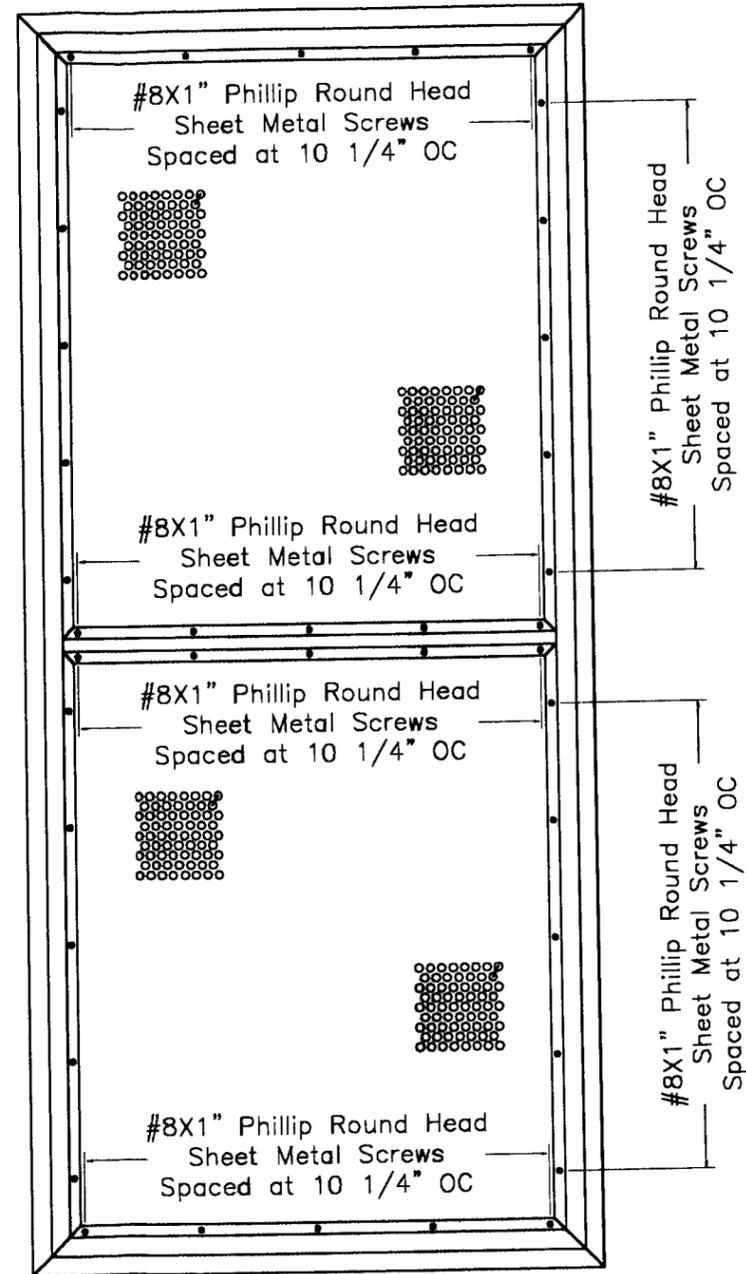
REAR SHUTTER ELEVATION
TYPICAL PERFORATED SCREEN
ASSEMBLY SCREWS LAY-OUT



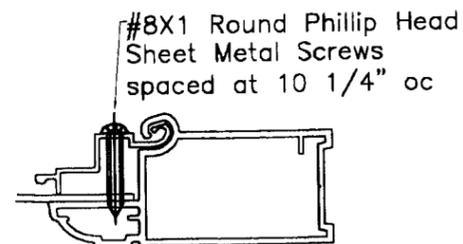
TYPICAL SECTION



REAR SHUTTER ELEVATION
TYPICAL MAIN FRAME COVER
ASSEMBLY SCREWS LAY-OUT



TYPICAL SECTION



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Date 09/12/02
NOA# 02-0501.02
Miami Dade Product Control
By [Signature]

Manufacturer:
**Kane
Screens**

515 N. FRALEY STREET
KANE, PA 16735
Tel.: (814) 837-6464
Fax.: (814) 837-6230

Product:
**Aluminum
Van Guard II
Hurricane
Barrier**

Engineering:
EngCo Inc.

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

[Signature]
AUG 19 2002

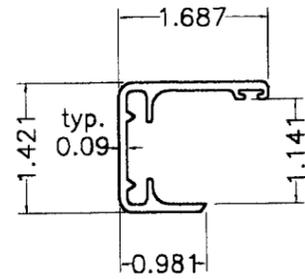
Engineer Seal
Pedro De Figueiredo
PE 52609

Date: 08/12/02
Scale: NA
Design by: PPMF

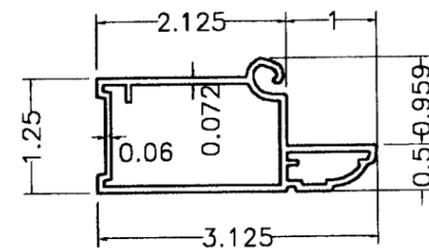
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Drawing Number
02-839R1

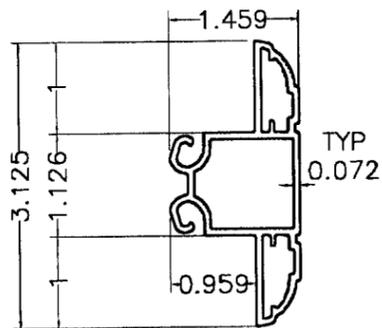
Sheet
4 of 5



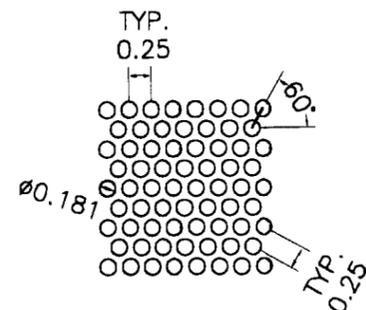
A- SUB FRAME
6063-T6



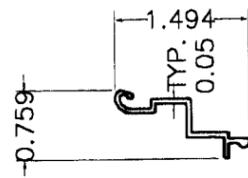
B- MAIN FRAME
6063-T6



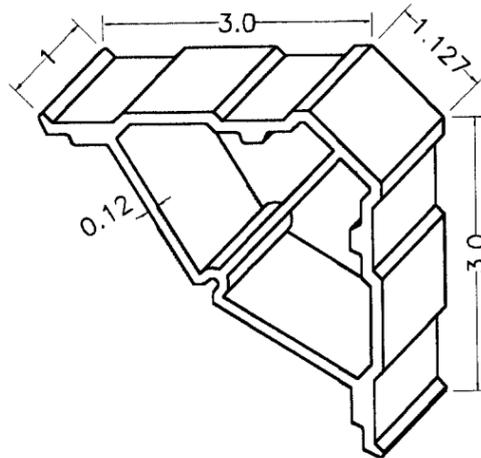
C- HORIZONTAL BRACE
6063-T6



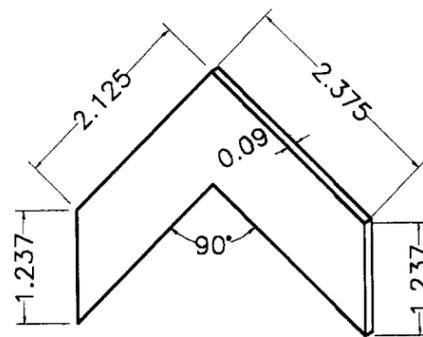
D- 14GA (.0785')
GALVANNEALED PERFORATED
STEEL



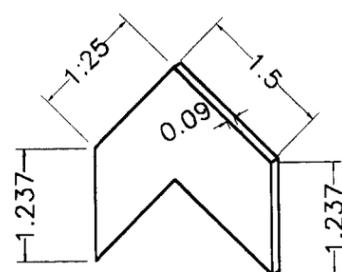
E- MAINFRAME COVER
6063-T6



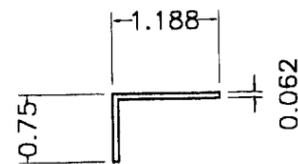
F- MAIN FRAME CORNER KEY
6063-T6



G- MAIN FRAME
SECONDARY CORNER KEY
6063-T6

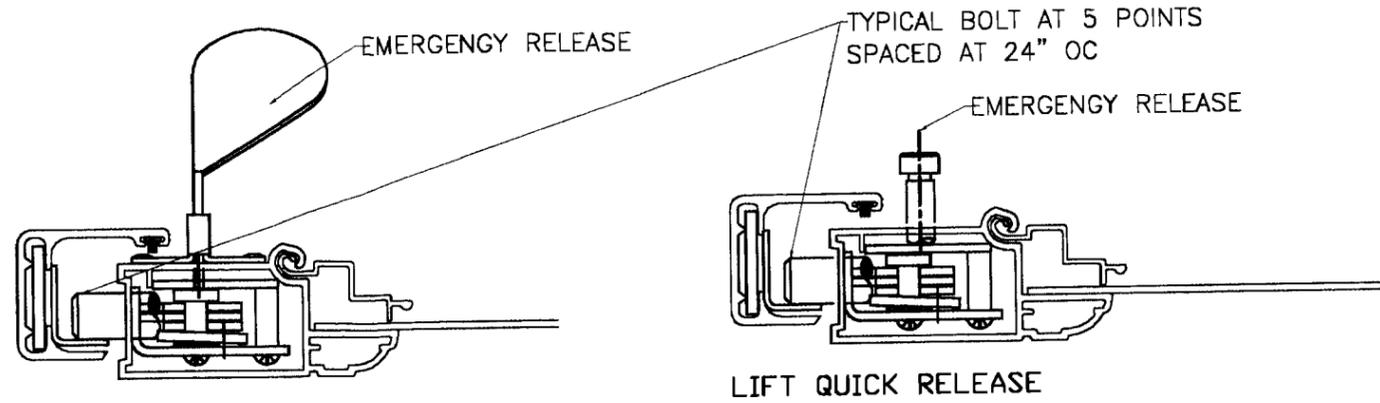


H- HORIZONTAL BRACE
CORNER KEY
6063-T6



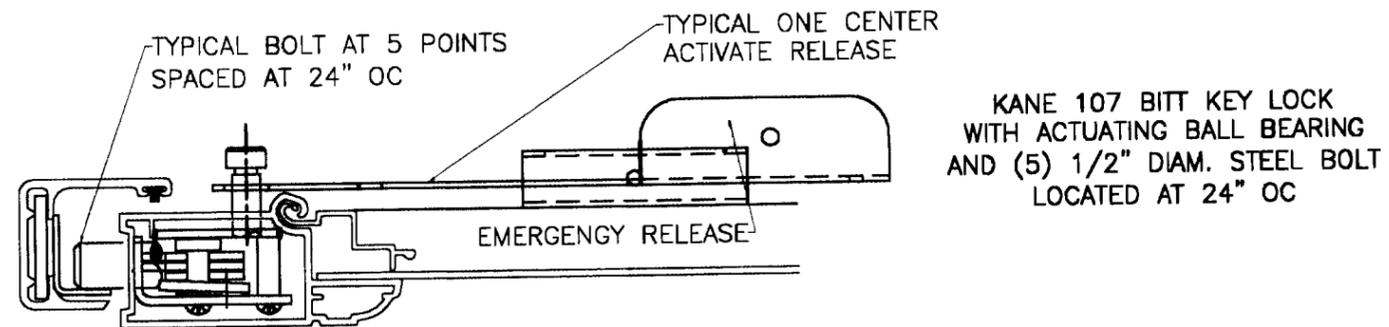
I- SCRIBE ANGLE
6063-T6

EMERGENCY LOCK RELEASE OPTIONS

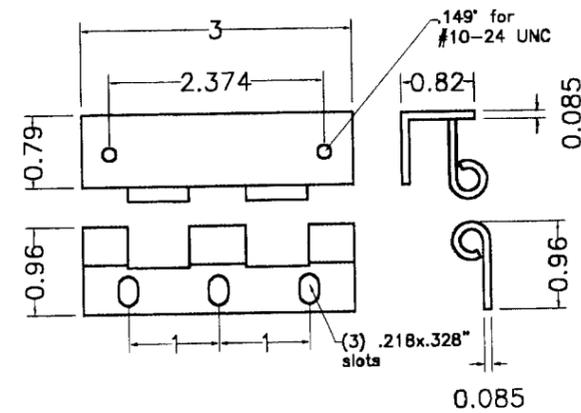


PUSH QUICK RELEASE

LIFT QUICK RELEASE



DOWN QUICK RELEASE



TYPICAL HINGE
13 GA SS WITH 1/4\"/>

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Sheet
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