



**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)

**Protech Screens, Inc.
2425 Roy Road
Pearland, TX 77581**

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 Screen Shutter

APPROVAL DOCUMENT: 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., 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.**



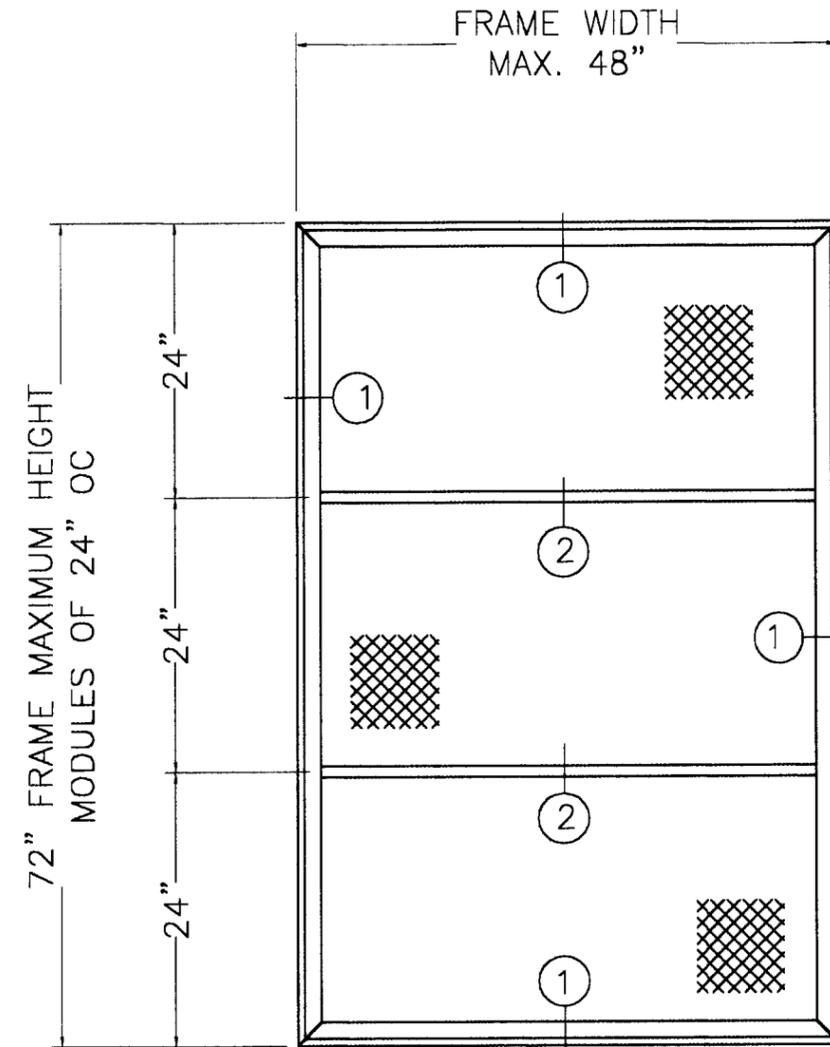
**NOA No 02-0212.06
Expiration Date: August 22, 2007
Approval Date: August 22, 2002
Page 1**

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 WIND VELOCITY ZONES).
- 3- POSTING: A PERMANENT LEGIBLE DECAL SHALL BE PLACED AT A VISIBLE LOCATION STATING THE FOLLOWING:
 "12x.028" SS MESH SCREEN SHUTTER - PROTECH SCREEN, INC.
 MIAMI - FLORIDA
 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. (USE OF $K_d = .085$ IS ALLOWABLE)
- 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- 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.

DESIGNED PRESSURES:

- Z SERIES - $P_d = +52 -52$ PSF
- L SERIES - $P_d = +55 -61$ PSF
- F SERIES - $P_d = +54 -59$ PSF



NOTES:

- 1- PRODUCT CAN BE INSTALLED ROTATED.
- 2- #12X.028 - 40% POROSITY

Approved as complying with the
 Florida Building Code
 Date August 22, 2002
 NOA# 02-0212-06
 Miami Dade Product Control
 Division
 By: *Charles Berman*

Manufacturer:
**Protech
 Screens,
 Inc.**

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

Product:
**HURRICANE
 SCREEN
 SHUTTER**

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

[Signature]
 JUN 05 2002

Engineer Seal
 Pedro De Figueiredo
 PE 52609

Date: 05/22/02
 Scale: NA
 Design by: PPMF

Revision:

Drawing Number
 02-623

Sheet
 1 of 3

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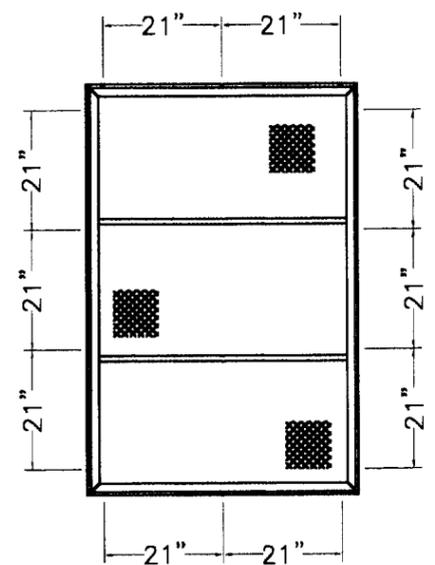
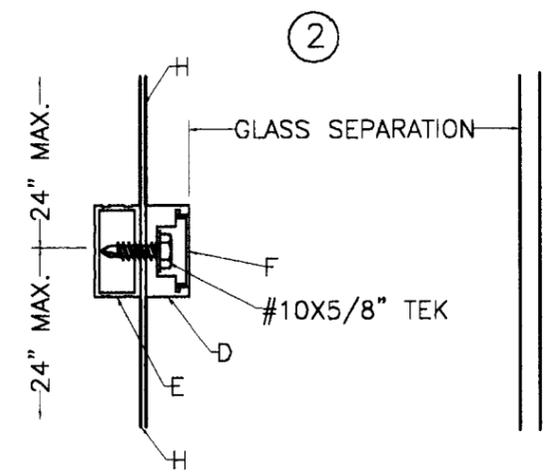
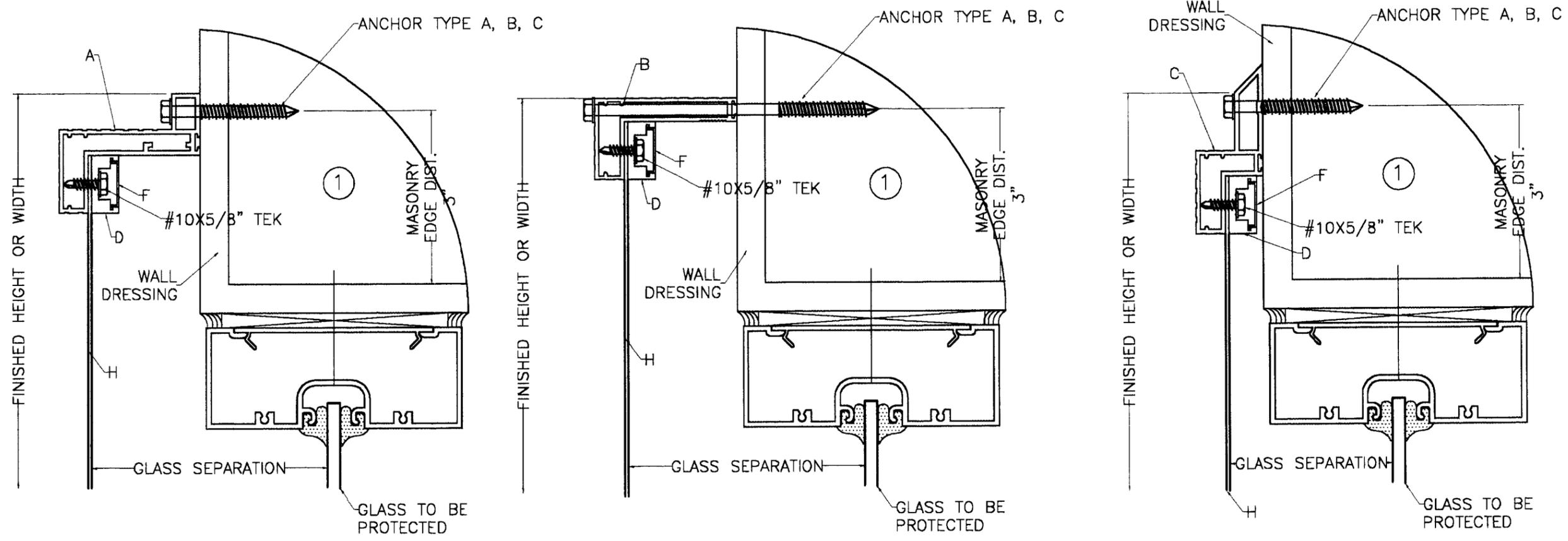
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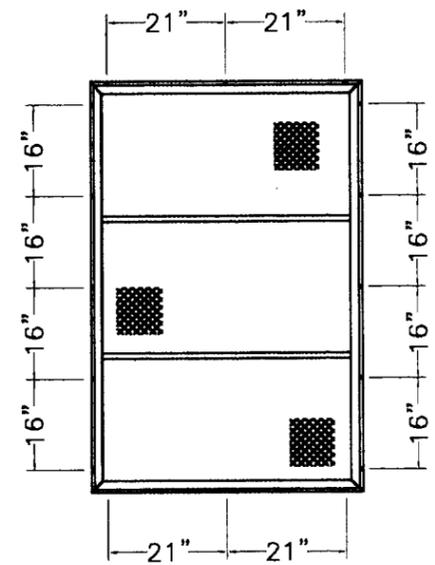
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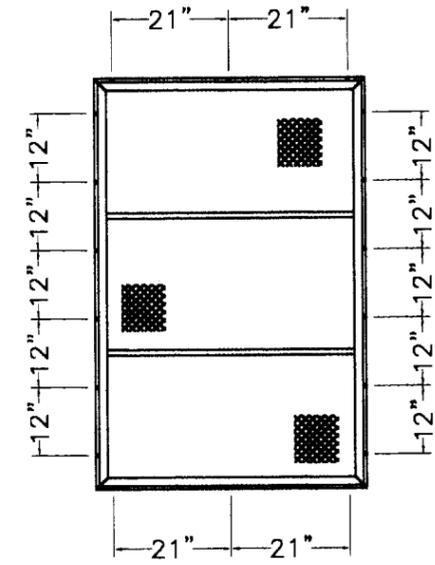
Sheet
2 of 3



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

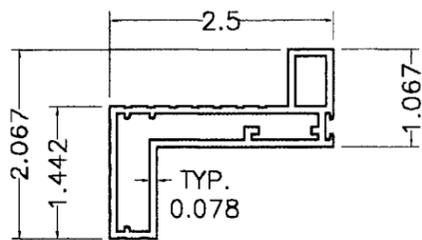


ANCHORS SPACING
INSTALLATION INTO HOLLOW BLOCK
"L" TRACK ONLY

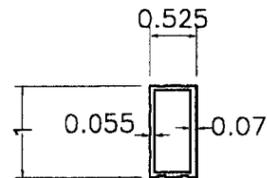
| GLASS SEPARATION: | | | |
|-------------------|-----------------|-----------------|--|
| FRAMING | ELEVATION ≤ 30' | ELEVATION > 30' | |
| Z SERIES | 2 3/4" ✓ | 2 3/8" | |
| L SERIES | 3 5/8" | 2 1/2" | |
| F SERIES | 2 7/8" | 2 1/8" | |

| 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" |

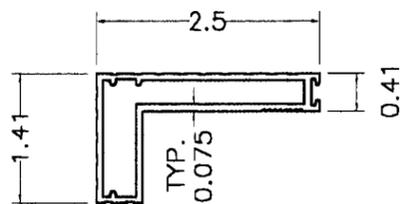
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Miami Dade Product Control
Division
By: *Chloe Beaman*



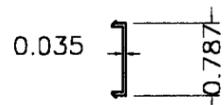
A- FLG H-NXT FRAME
#7348 - 6063-T5
US PAT.# PENDING
'Z' SERIES



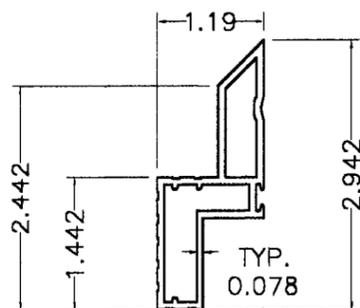
E- CENTER BAR
#4471 - 6063-T5



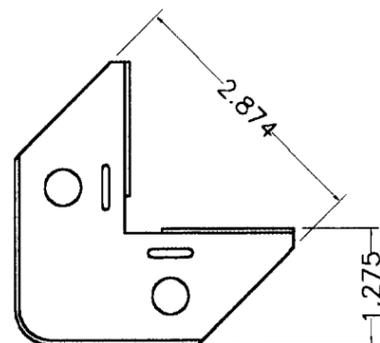
B- EXTENDED H-NXT FRAME
#7347 - 6063-T5
US PAT.# 6,314,690 B1
'L' SERIES



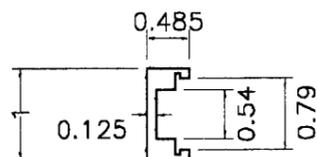
F- SCREW COVER
#1000244 BLK - PLASTIC



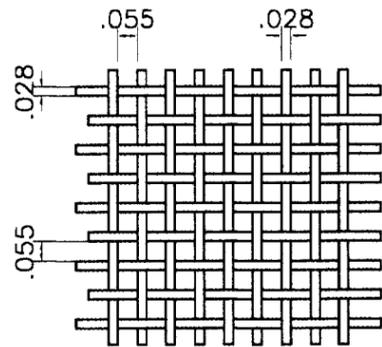
C- NXT-FLANGED FRAME
#6971 - 6063-T5
US PAT.# 6,230,455 B1
'F' SERIES



G- FRAME CORNER KEY
#390-0393
18ga/.05 GALV. STEEL

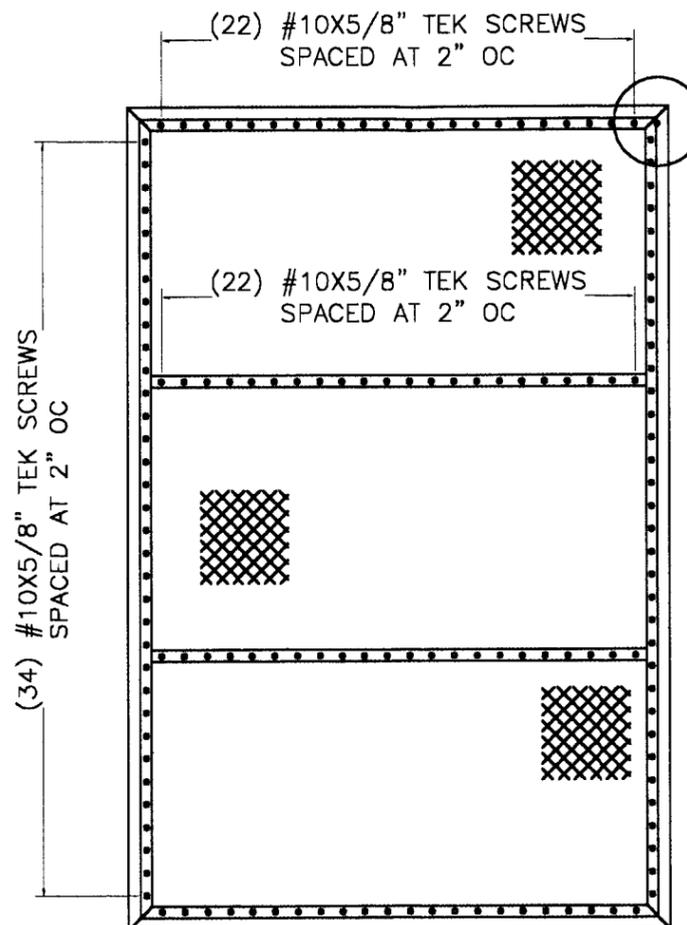


D- COVER STRIP V-CORNER
#7372 - 6063-T5
US PAT.# 4,932,457

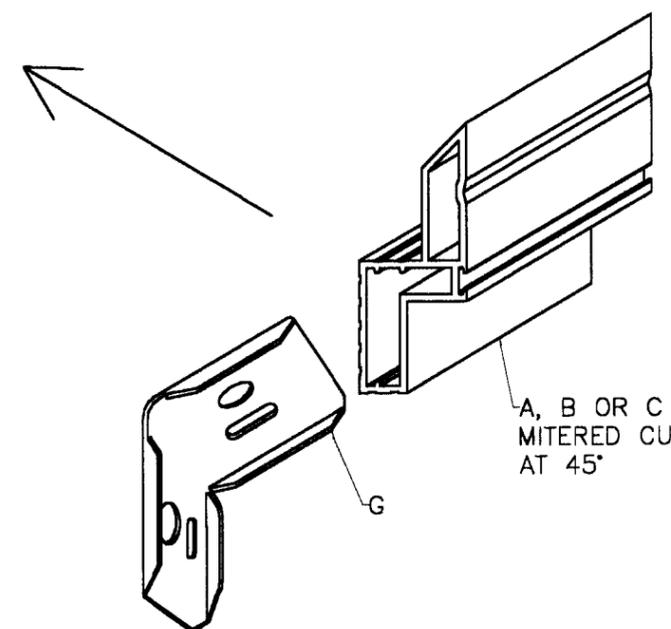


H- NXT 12 MESH
.028 Stainless Steel SCREEN

REAR SHUTTER ELEVATION
TYPICAL SCREEN PANEL
ASSEMBLY SCREWS LAY-OUT



TYPICAL CORNER ASSEMBLY



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By: *Chester Belman*