MIAMI-DADE COUNTY
BUILDING AND NEIGHBORHOOD COMPLIANCE DEPARTMENT (BNC)
BOARD AND CODE ADMINISTRATION DIVISION

MIAMI-DADE COUNTY, FLORIDA
PRODUCT CONTROL SECTION

11805 SW 26 Street, Room 208
Miami, Florida 33175-2474
T (786) 315-2590 F (786) 315-2599
www.miamidade.gov/building/home/asp

NOTICE OF ACCEPTANCE (NOA)

Crimsafe North America LLC
P. O. Box 2440
Eaton Park, Florida 33840

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 Section 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 Section (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 Section 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: Aluminum Framed Build-Out Window with Stainless Steel Hurricane Screen

APPROVAL DOCUMENT: Drawing titled "Build-Out Window Hurricane Screen", prepared by Crimsafe North America LLC, dated November 18, 2010, sheets 1 through 4 of 4, signed and sealed by Robert L. Clark, P.E., on December 03, 2010, bearing the Miami-Dade County Product Control Approval stamp with the Notice of Acceptance number and the approval date by the Miami-Dade County Product Control Section.

MISSILE IMPACT RATING: Large and Small Missile Impact Resistant

LABELING: A permanent label with the manufacturer's name or logo, Lakeland, Florida 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 consists of this page 1, evidence submitted page E-1 as well as approval document mentioned above. The submitted documentation was reviewed by **Helmy A. Makar, P.E., M.S.**

MIAMI-DADE COUNTY APPROVED

Helmy A. Makar
01/06/2011

NOA No. 10-0504.04
Expiration Date: 01/06/2016
Approval Date: 01/06/2011

Crimsafe North America LLC

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

A. DRAWINGS

1. *Drawing titled "Build-Out Window Hurricane Screen", prepared by Crimsafe North America LLC, dated November 18, 2010, sheets 1 through 4 of 4, signed and sealed by Robert L. Clark, P.E., on December 03, 2010.*

B. TESTS

1. *Test report on Large Missile Impact Test, Cyclic Wind Pressure Test, and Uniform Static Air Pressure Test of Aluminum Build-Out Fixed Window Impact Screen, prepared by Architectural Testing, Report No. 98897.01-401-18, dated March 23, 2010, signed and sealed by Joseph A. Reed, P.E.*

C. CALCULATIONS

1. *Calculation prepared by Robert L. Clark, P.E., dated April 30, 2010, 6 pages, signed and sealed by Robert L. Clark, P.E.*

D. QUALITY ASSURANCE

1. *By Miami-Dade County Building and Neighborhood Compliance Department (BNC).*

E. MATERIAL CERTIFICATIONS

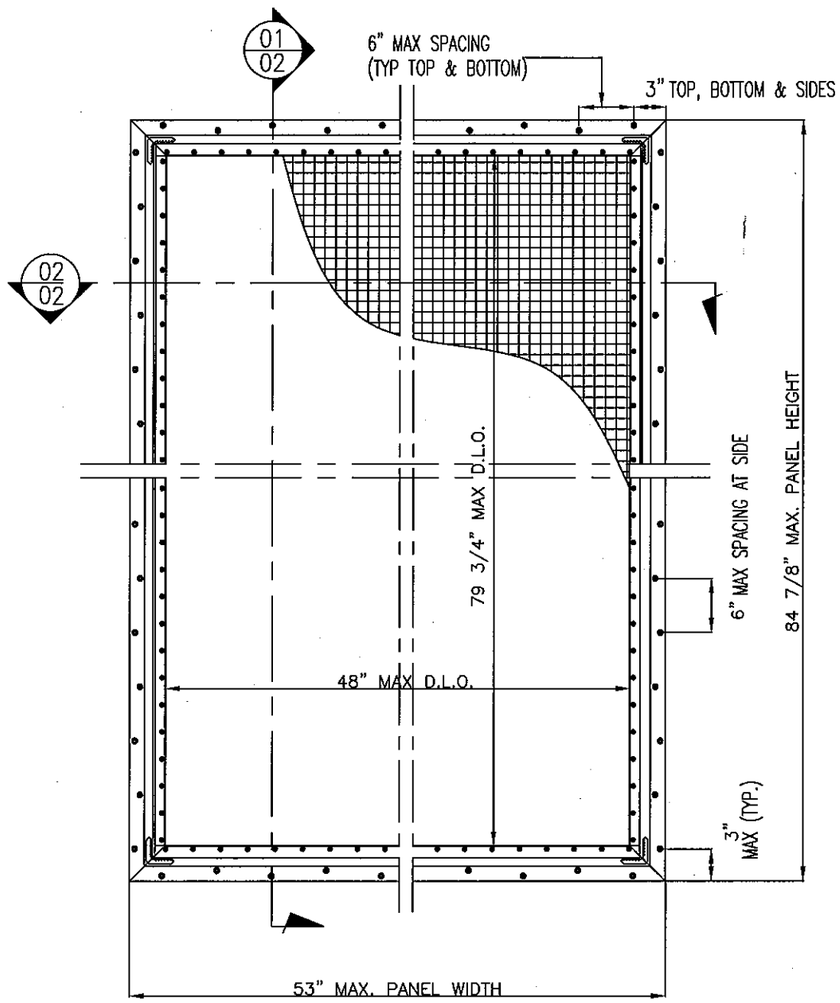
1. *None.*

F. STATEMENTS

1. *Letter prepared by Robert L. Clark, P.E., dated April 30, 2010, signed & sealed by Robert L. Clark, P.E., stating that he has no financial involvement with architectural Testing Lab and the product meets the requirements of the 2007 Florida building Code with the 2009 revision.*

Helmy A. Makar, P.E., M.S.
Senior Product Control Examiner
NOA No. 10-0504.04
Expiration Date: 01/06/2016
Approval Date: 01/06/2011

BUILD-OUT WINDOW HURRICANE SCREEN



01 01 TYPICAL ELEVATION
SCALE EXTER ELEV

MAXIMUM ALLOWABLE DESIGN PRESSURES:

+99 PSF
−99 PSF

MIN SEPERATION FROM GLAZING:
HVHZ 7"

GENERAL NOTES :

1. THE WINDOW SCREEN SYSTEM DESCRIBED HEREIN HAS BEEN DESIGNED AND TESTED IN COMPLIANCE WITH THE 2007 FLORIDA BUILDING CODE WITH 2009 SUPPLEMENTS AND TEST PROTOCOLS TAS 201, 202 & 203. THIS SYSTEM MAY BE USED WITHIN THE HIGH VELOCITY HURRICANE ZONE (HVHZ) AS WELL AS THROUGHOUT THE STATE OF FLORIDA.
2. POSITIVE AND NEGATIVE DESIGN PRESSURES SHALL BE CALCULATED IN ACCORDANCE WITH THE GOVERNING CODE.
3. INSTALLATION OF ALL UNITS SHALL ALLOW FOR RESPECTIVE MINIMUM SEPARATION FROM GLAZING AS NOTED ON THIS PAGE. REF SECTION DETAILS FOR DESCRIPTION OF THIS DISTANCE.
4. MULTIPLE UNITS SHALL BE INSTALLED USING APPROVED ALUMINIUM STRUCTURAL FRAME OF ALLOY 6063-T5(MIN). FRAME SHALL MEET ALL APPLICABLE IMPACT & WINDLOAD CRITERIA, AND SHALL BE INSTALLED PER RESPECTIVE PRODUCT APPROVAL DOCUMENTATION.
5. THE SYSTEM DETAILED HEREIN IS GENERIC AND DOES NOT PROVIDE INFORMATION FOR A SPECIFIC SITE. FOR SITE CONDITIONS DEFFERENT FROM THE CONDITIONS DETAILED HEREIN, A PROFESSIONAL ENGINEER OR REGISTERED ARCHITECT SHALL PREPARE SITE SPECIFIC DOCUMENTS AND APPLY FOR ONE TIME APPROVAL FROM MIAMI DADE COUNTY.
6. PERMIT HOLDER SHALL VERIFY THE ADEQUACY OF THE EXISTING STRUCTURE TO WITHSTAND SUPERIMPOSED LOADS.
7. PERIMETER SQUARE TUBE MAY BE ANCHORED TO VERTICAL FACE("FACE MOUNT") OF HOST STRUCTURE.
8. SYSTEM MAY BE INSTALLED VERTICALLY OR HORIZONTALLY (AS SHOWN IN THIS PAGE).

SYSTEM NOTES :

1. FRAME & PANEL CONSTRUCTION: EXTRUDED ALUMINIUM FRAME CORNERS ARE MITERED, AND SCREWED.
2. FRAME DOES NOT CONTAIN ANY HARDWARE.
3. MESH CONSTRUCTION: STAINLESS STEEL GRADE MESH IS MADE UP OF 304 "HIGH TENSILE" STAINLESS STEEL, WITH ø 0.035" STRANDS ARRANGED 10 STRANDS BY 9.5 STRANDS PER SQUARE INCH THE MESH INFORMATION IS DESCRIBED IN SHEET 3.
4. THE MESH IS ATTACHED ONTO THE MAIN FRAME BY A REMOVABLE ALUMINIUM CLAMP WITH TAMPER RESISTANT SECURITY HEAD SCREW.

ALL DIMENSION IN INCHES

Manufacturer:

Crimsafe North America
PO Box 2440 Eaton Park
FL 33840-2440
Phone: +1 863 510 0188
Fax: +1 863 665 0485

Product:
BUILD OUT WINDOW HURRICANE SCREEN

Engineering:
12/3/10
#39712

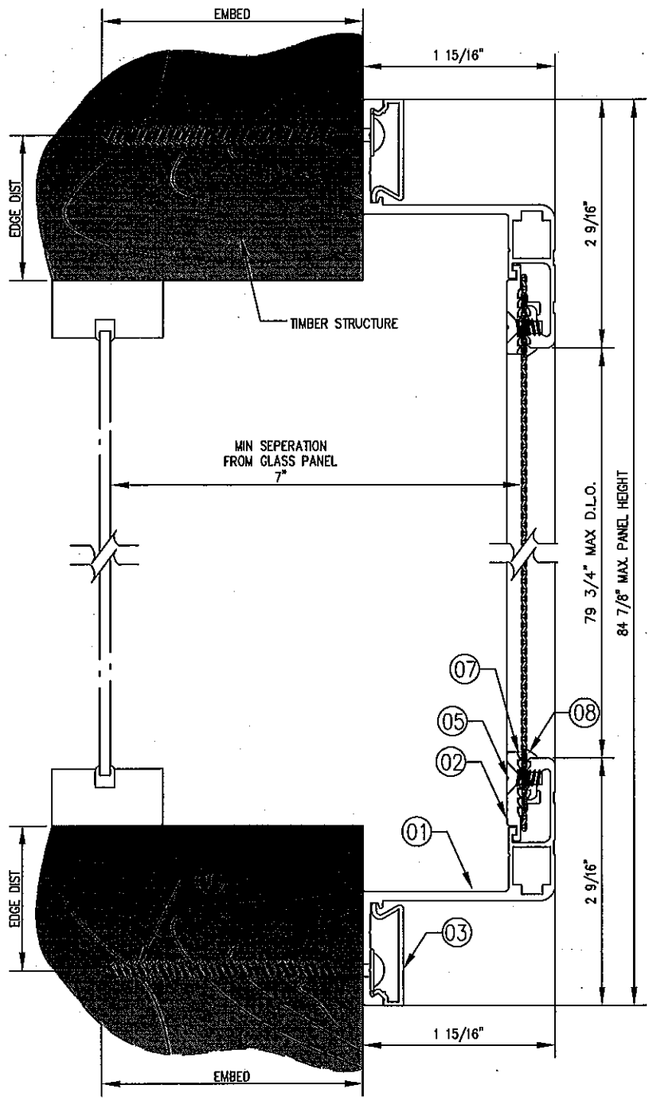
Rev.	Rev. Description

Date: 18 NOV 2010
Scale: NA
Design by: CRIMSAFE

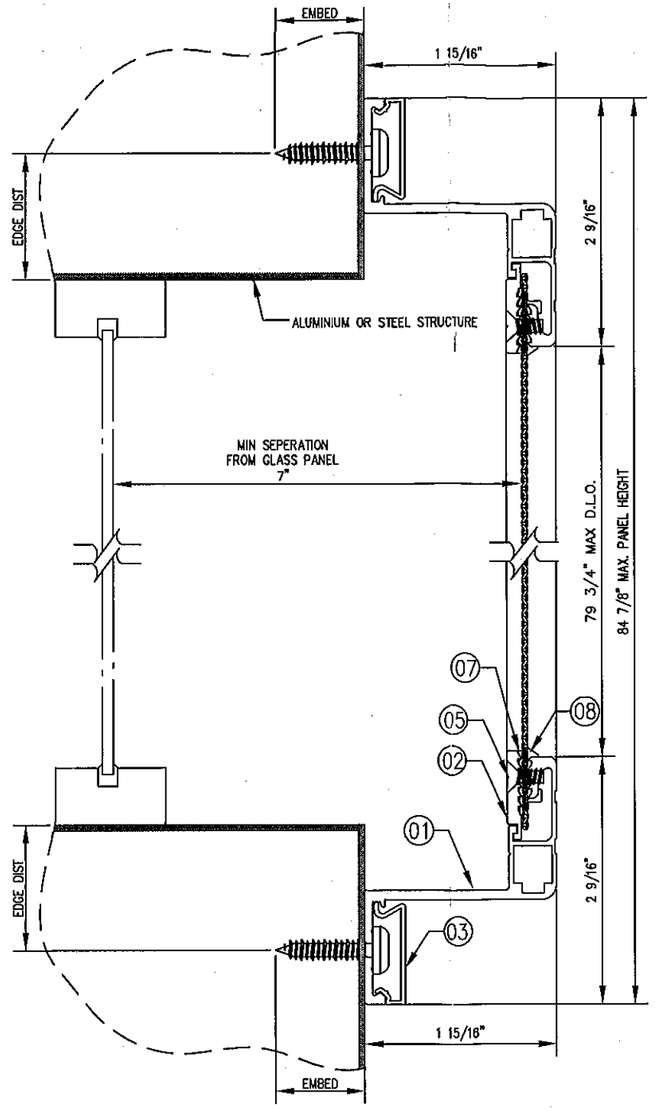
PRODUCT CONTROL DIVISION
Approved as complying with the Florida Building Code
Date 01/06/2011
NOA# 10-0504.04
Miami Dade Product Control Division
By

Drawing Number
MD-500-BOW

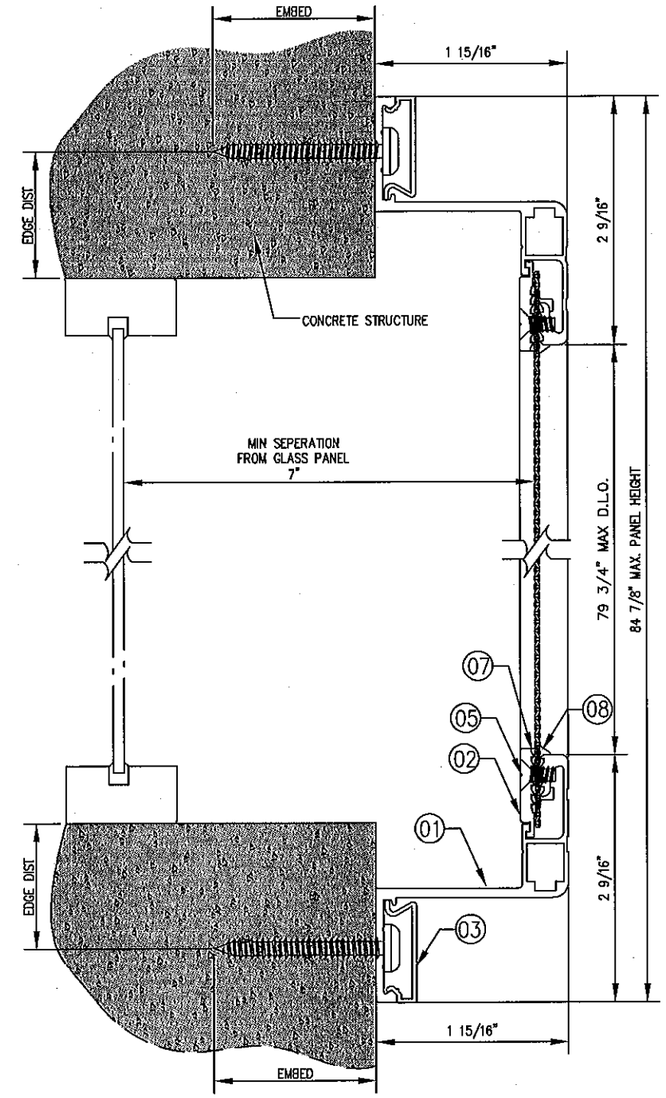
Sheet
1 of 4



ATTACHMENT TO WOOD



ATTACHMENT TO ALUMINIUM OR STEEL



ATTACHMENT TO HOLLOW BLOCK OR CONCRETE

01/02 VERTICAL CROSS SECTION
SIDE FIX HURRICANE WINDOW

ANCHOR TABLE:

TYPE	STRUCTURE	MIN EMBD.
1/4" X 2 1/4" TAPCONS	CONCRETE OR HOLLOW BLOCK WITH MIN EDGE DISTANCE 2 1/2". WITH SCREW SPACING OF 6"	1 3/4"
#12 Self Drilling Sheet Metal Screws	ALUMINUM OR STEEL FRAMING WITH MIN WALL THICKNESS OF 1/4" AND EDGE DISTANCE 1 3/8". WITH SCREW SPACING OF 6"	3/4"
#12 X 2 3/4"	WOOD /TIMBER WITH MIN EDGE DISTANCE 1 3/8". WITH SCREW SPACING OF 6"	1 3/8"

Installation shown is for wood frame, concrete, CMU, aluminum and steel tubes as similar.

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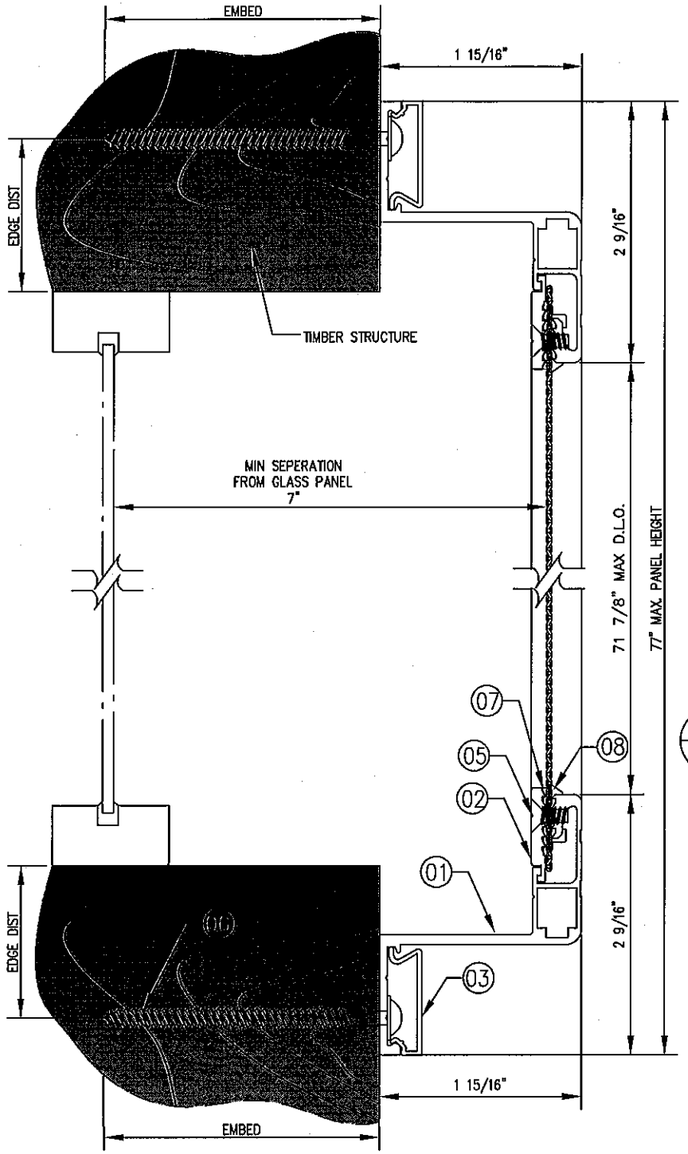
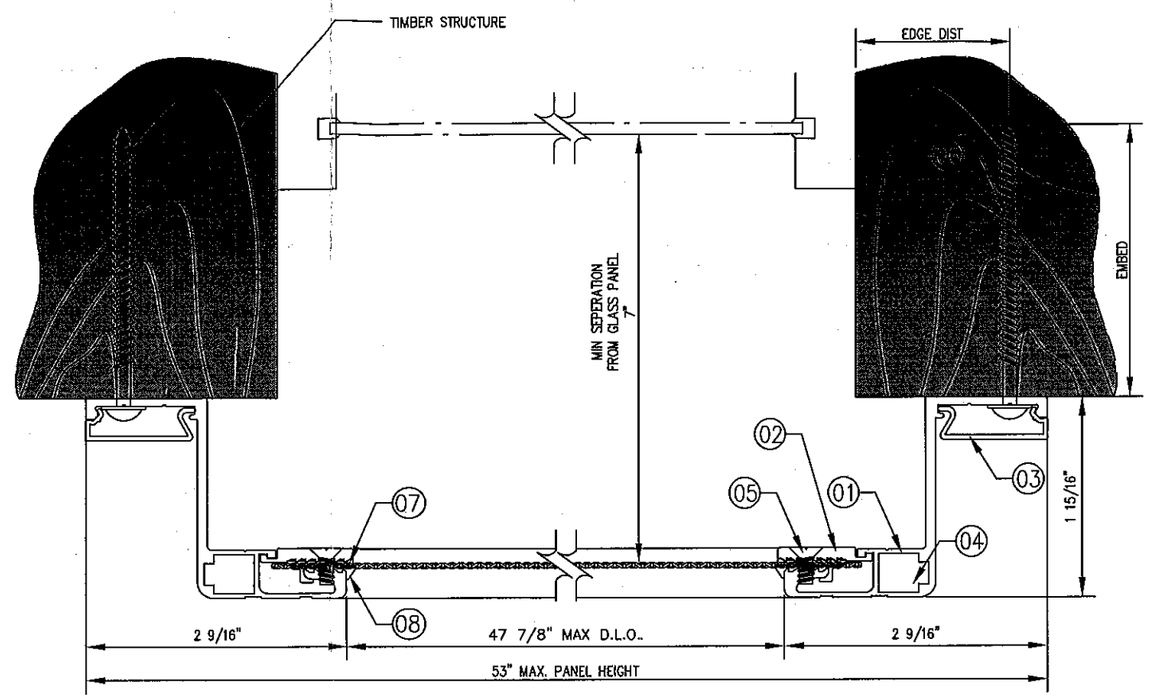
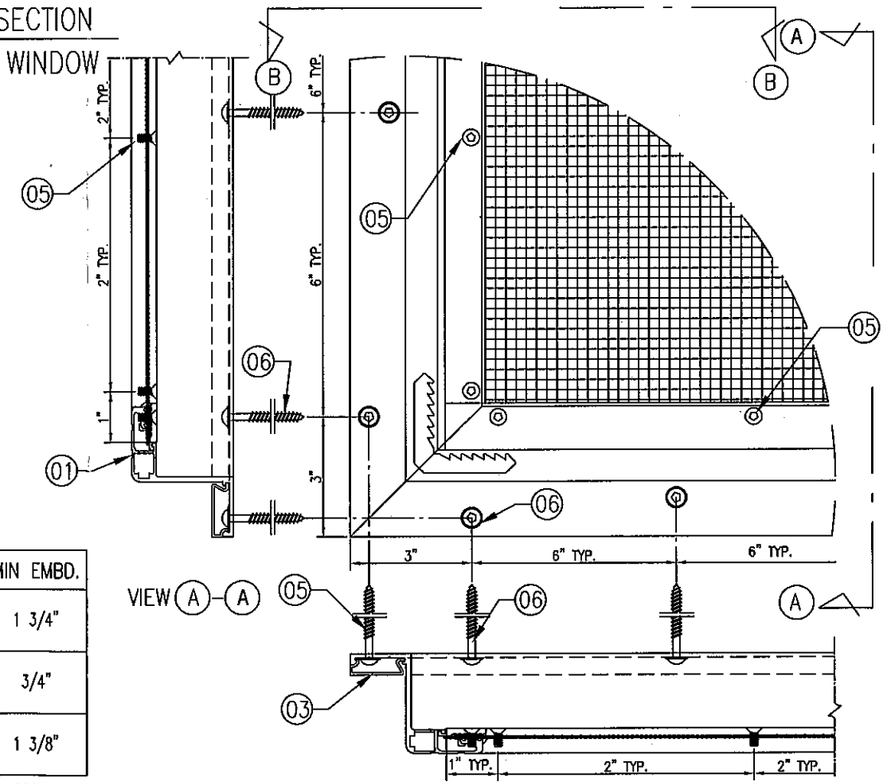
Sheet
2 of 4



01/02 VERTICAL CROSS SECTION
SIDE FIX HURRICANE WINDOW



02/02 HORIZONTAL CROSS SECTION
SIDE FIX HURRICANE WINDOW



ALL DIMENSION IN INCHES

ANCHOR TABLE:

TYPE	STRUCTURE	MIN EMBD.
1/4" X 2 1/4" TAPCONS	CONCRETE OR HOLLOW BLOCK WITH MIN EDGE DISTANCE 2 1/2". WITH SCREW SPACING OF 6"	1 3/4"
#12 Self Drilling Sheet Metal Screws	ALUMINUM OR STEEL FRAMING WITH MIN WALL THICKNESS OF 1/4" AND EDGE DISTANCE 1 3/8". WITH SCREW SPACING OF 6"	3/4"
#12 X 2 3/4"	WOOD /TIMBER WITH MIN EDGE DISTANCE 1 3/8". WITH SCREW SPACING OF 6"	1 3/8"

Installation shown is for wood frame, concrete, CMU, aluminum and steel tubes as similar.

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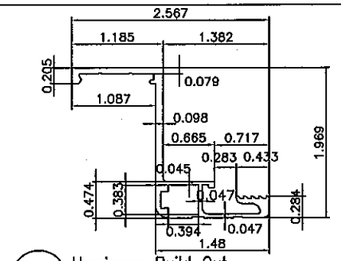
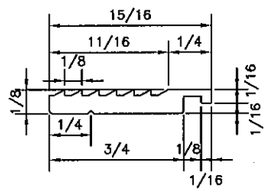
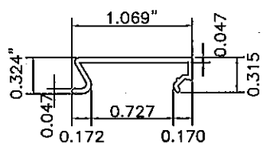


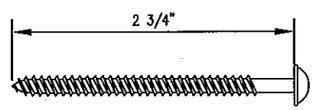
01 Hurricane Build Out
SECTION



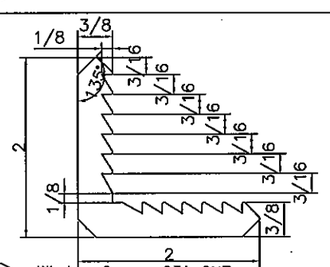
02 Hurricane Clamp
SECTION



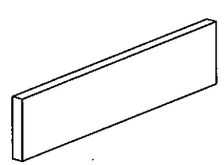
03 Window Cover-08B
SECTION



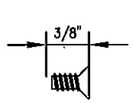
06 #12 X 2 3/4" -170
SECTION



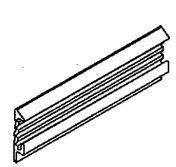
04 Window Corner 03A CNR
SECTION



07 Tesa Tape
SECTION



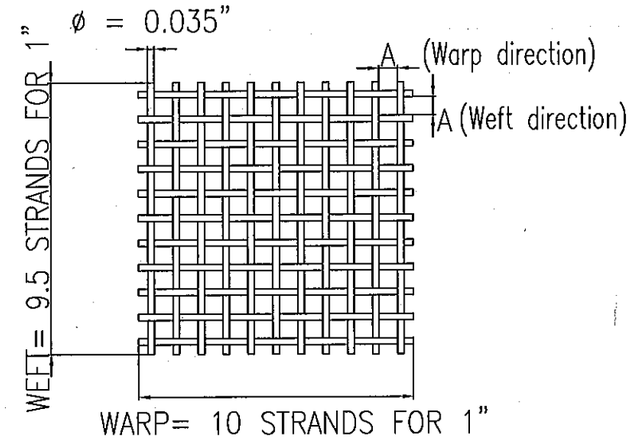
05 #8x3/8" -17D1
SECTION



08 Santoprene Insulator
SECTION

BILL OF MATERIAL

ITEM	DESCRIPTION	MATERIAL	QTY
01	Hurricane Build Out	6063-T5	4
02	Hurricane Clamp	6063-T5	4
03	Window Cover-08B	6063-T5	4
04	Window Corner 03A CNR	6063-T5	4
05	#8x3/8" -17D1	STAINLESS STEEL	50
06	#12 X 2 3/4" -170	STAINLESS STEEL	45
07	Tesa Tape	-	4
08	Santoprene Insulator	Santoprene	4



SCREEN INFORMATION

ANCHOR NOTES:

1. ALLOWABLE ANCHORS SHALL BE AS LISTED IN APPROPRIATE ANCHOR SCHEDULE AND SPACED SHOWN ON SHEET 1 ELEVATIONS.

2. ANCHORS SHALL BE INSTALLED IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS. MINIMUM EMBEDMENT DEPTHS AND EDGE DISTANCES SHALL APPLY AS NOTED IN APPROVALS

3. SYSTEM MAY BE INSTALLED TO CONCRETE, HOLLOW BLOCK, WOOD, STEEL, OR AN APPROVED IMPACT RESISTANT ALUMINUM FRAME OF ALLOY 6063-T5 (MIN). FRAME SHALL BE INSTALLED PER RESPECTIVE

4. WHERE EXISTING STRUCTURE IS WOOD FRAMING, EXISTING CONDITIONS MAY VARY, FIELD VERIFY THAT FASTENERS ARE INTO ADEQUATE WOOD FRAMING MEMBERS, NOT PLYWOOD.

5. WHERE WOOD SCREWS FASTEN TO NARROW FACE OF STUD FRAMING, FASTENER SHALL BE LOCATED IN CENTER OF NOMINAL (MIN) WOOD STUD (3/4". EDGE DISTANCE IS ACCEPTABLE FOR WOOD FRAMING), AND SHALL PENETRATE 1.5" MIN. WOOD STUD SHALL BE "SOUTHERN PINE" G=0.55 OR GREATER DENSITY, WOOD SCREW SHALL HAVE PHILILIPS

6. MINIMUM EMBEDMENT AND EDGE DISTANCE EXCLUDES STUCCO,

7. ALL SCREWS TO ALUMINUM SHALL BE INSTALLED WITH FULL THREAD PENETRATION AND MINIMUM 0.5" EDGE DISTANCE TO APPROVED 6063-T5 (MIN) ALUMINUM FRAME (0.125" MIN THICKNESS).

ALL DIMENSION IN INCHES

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Product:

BUILD OUT WINDOW HURRICANE SCREEN

Engineering:

12/3/10
#29714

Rev.	Rev. Description

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PRODUCT CONTROL DIVISION

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Sheet
4 of 4