MIAMI-DADE COUNTY
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
www.buildingcodeonline.com

NOTICE OF ACCEPTANCE (NOA)

Crimsafe North America LLC
P. O. Box 2440
Eaton Park, Florida 33803

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: Aluminum Framed with Stainless Steel Hurricane Screen

APPROVAL DOCUMENT: Drawing titled "Safe-S-Cape Hurricane Screen", prepared by Crimsafe North America LLC, dated November 9, 2010, sheets 1 through 5 of 5, signed and sealed by Robert L. Clark, P.E., on November 11, 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 Division.

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
12/09/2010

NOA No. 09-1005.03
Expiration Date: 12/09/2015
Approval Date: 12/09/2010

Crimsafe North America LLC

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

A. DRAWINGS

1. *Drawing titled "Safe-S-Cape Hurricane Screen", prepared by Crimsafe North America LLC, dated November 9, 2010, sheets 1 through 5 of 5, signed and sealed by Robert L. Clark, P.E., on November 11, 2010.*

B. TESTS

1. *Test report on Large Missile Impact Test, Cyclic Wind Pressure Test, and Uniform Static Air Pressure Test of Aluminum Hinged Impact Window Screen, prepared by Architectural Testing, Report No. 92587.03-401-18, dated March 18, 2010, signed and sealed by Joseph A. Reed, P.E.*
2. *Test report on Large Missile Impact Test, Cyclic Wind Pressure Test, and Uniform Static Air Pressure Test of Aluminum Hinged Impact Window Screen, prepared by Architectural Testing, Report No. 92587.01-401-18, dated September 22, 2009, signed and sealed by Joseph A. Reed, P.E.*

C. CALCULATIONS

1. *Calculation prepared by Broadway Engineering, P.A., dated November 24, 2009, 6 pages, signed and sealed by Elizabeth A. Broadway, P.E.*

D. QUALITY ASSURANCE

1. *By Miami-Dade County Building Code Compliance Office.*

E. MATERIAL CERTIFICATIONS

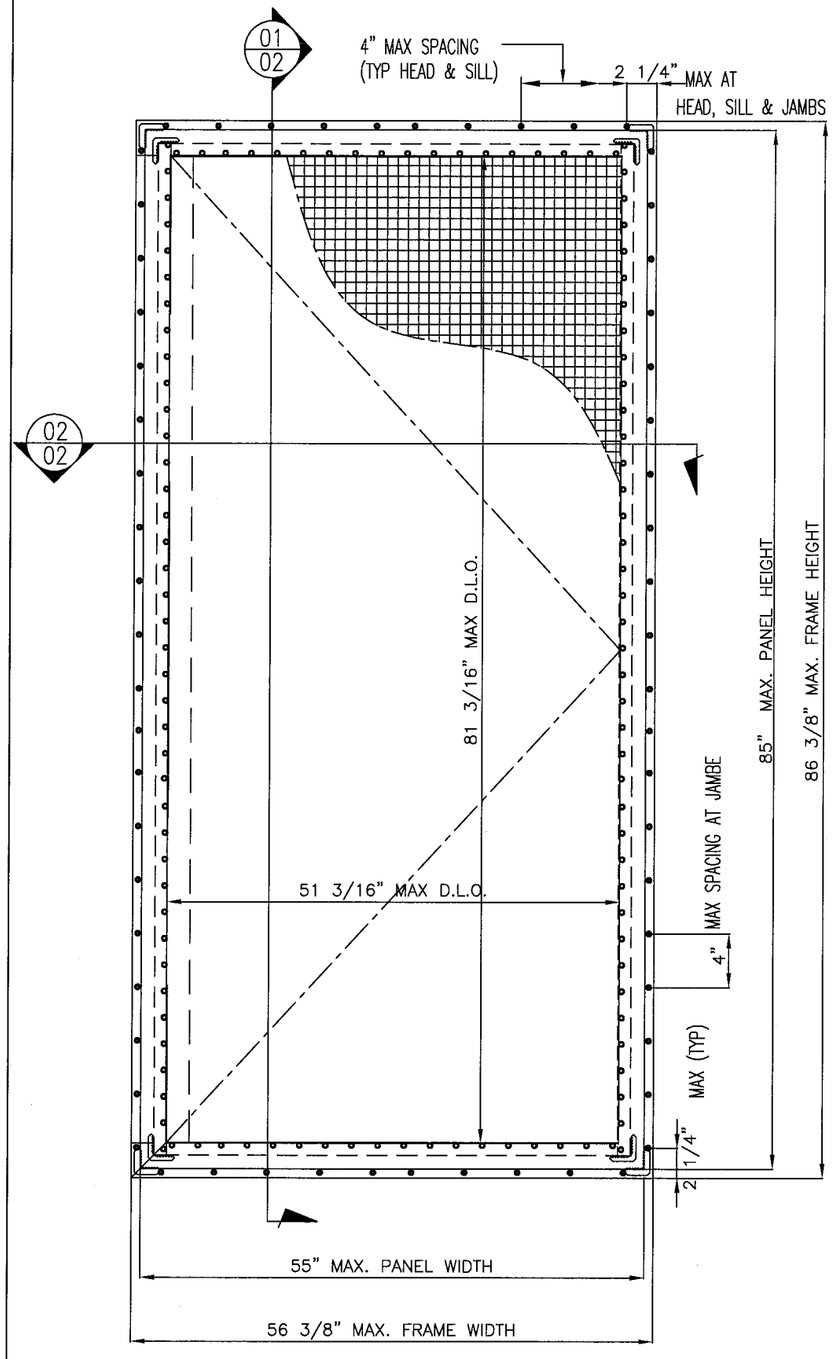
1. *None.*

F. STATEMENTS

1. *Letter prepared by Robert L. Clark, P.E., dated June 29, 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. 09-1005.03
Expiration Date: 12/09/2015
Approval Date: 12/09/2010

SAFE-S-CAPE HURRICANE SCREEN



01/01 TYPICAL ELEVETION
SCALE EXTER ELEV

MAXIMUM ALLOWABLE DESIGN PRESSURES:

+99 PSF

−99 PSF

MIN SEPARATION FROM GLAZING:

HVHZ 3.16"

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.

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 4.

4. THE MESH IS ATTACHED ONTO THE MAIN FRAME BY A REMOVABLE ALUMINIUM CLAMP WITH TAMPER RESISTANT SECURITY HEAD SCREW.

ALL DIMENSIONS 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:

SAFE S CAPE HURRICANE SCREEN

Engineering:

R L Clark
11/11/10
#39712

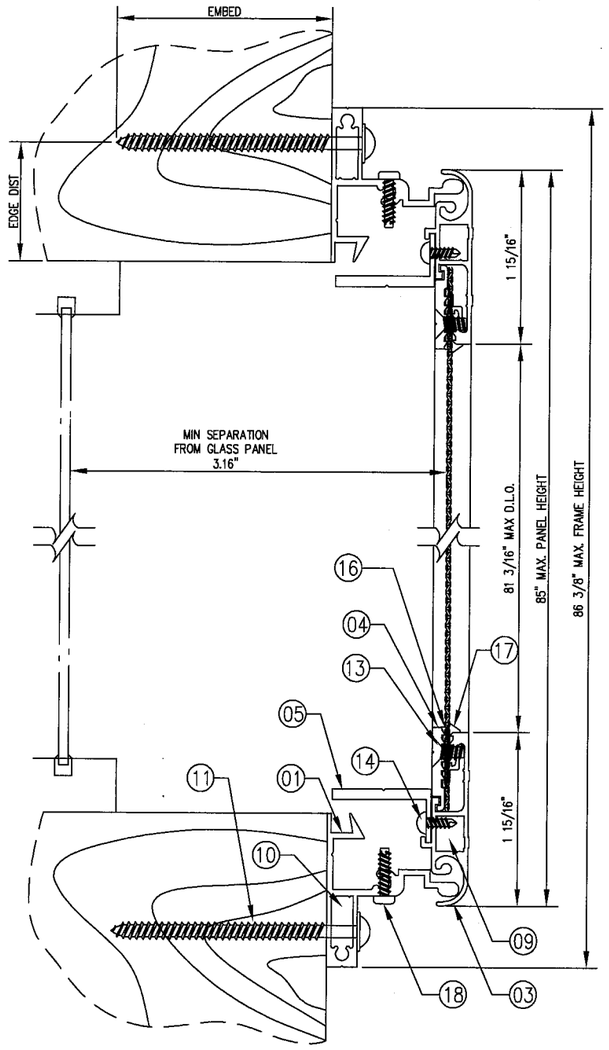
Rev.	Rev. Description

Date: 9 Nov 10
Scale: NA
Design by: CRIMSAFE

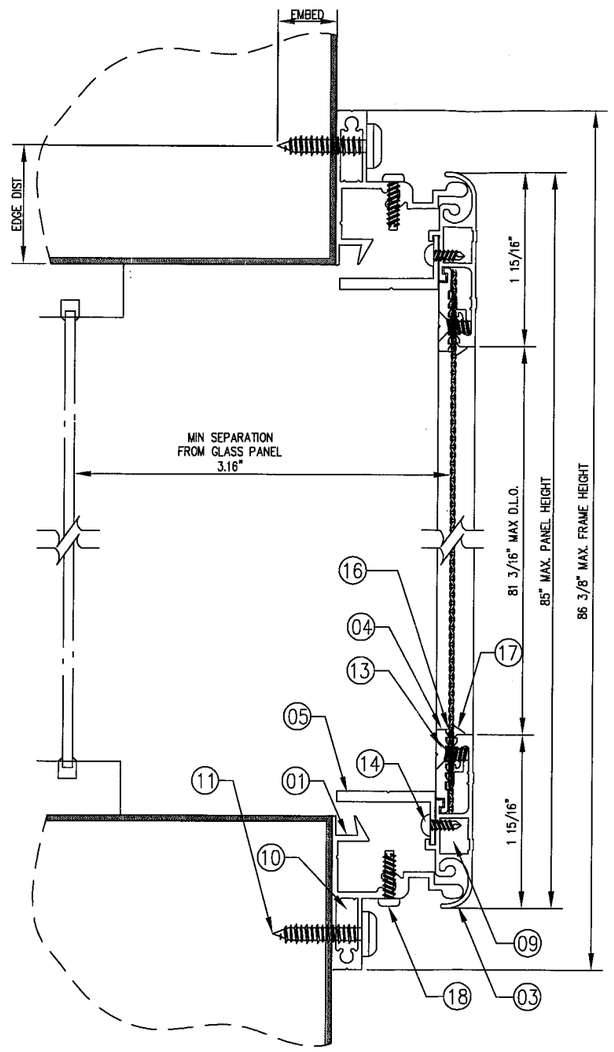
PRODUCT CONTROL DIVISION

Approved as complying with the Florida Building Code
Date 12/09/2010
NOA# 09-1005.03
Miami Dade Product Control Division
By

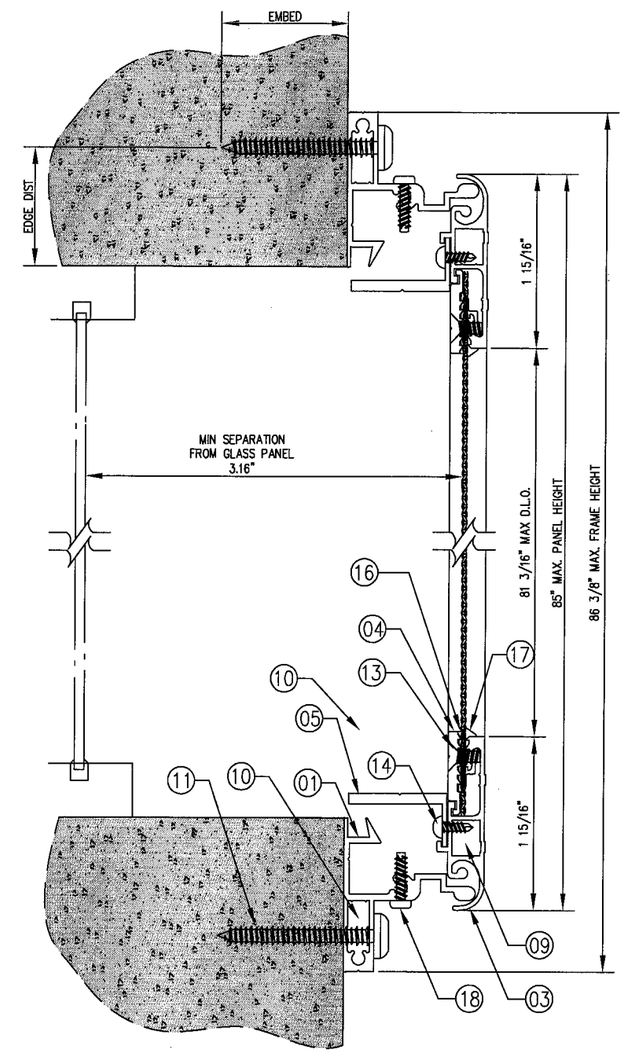
Drawing Number
MD-100-SSC



ATTACHMENT TO WOOD



ATTACHMENT TO ALUMINIUM OR STEEL



ATTACHMENT TO HOLLOW BLOCK OR CONCRETE

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 TO 6"	1 3/4"
#12 SELF DRILLING SHEET METAL SCREWS	ALUMINIUM OR STEEL FRAMING WITH MIN EDGE DISTANCE 1 3/8". WITH SCREW SPACING TO 6"	3/4"
#12 X 2 3/4"	WOOD /TIMBER WITH MIN EDGE DISTANCE 1 3/8". WITH SCREW SPACING TO 6"	1 3/8"

01/02 VERTICAL CROSS SECTION
SIDE FIX HURRICANE WINDOW

ALL DIMENSIONS IN INCHES

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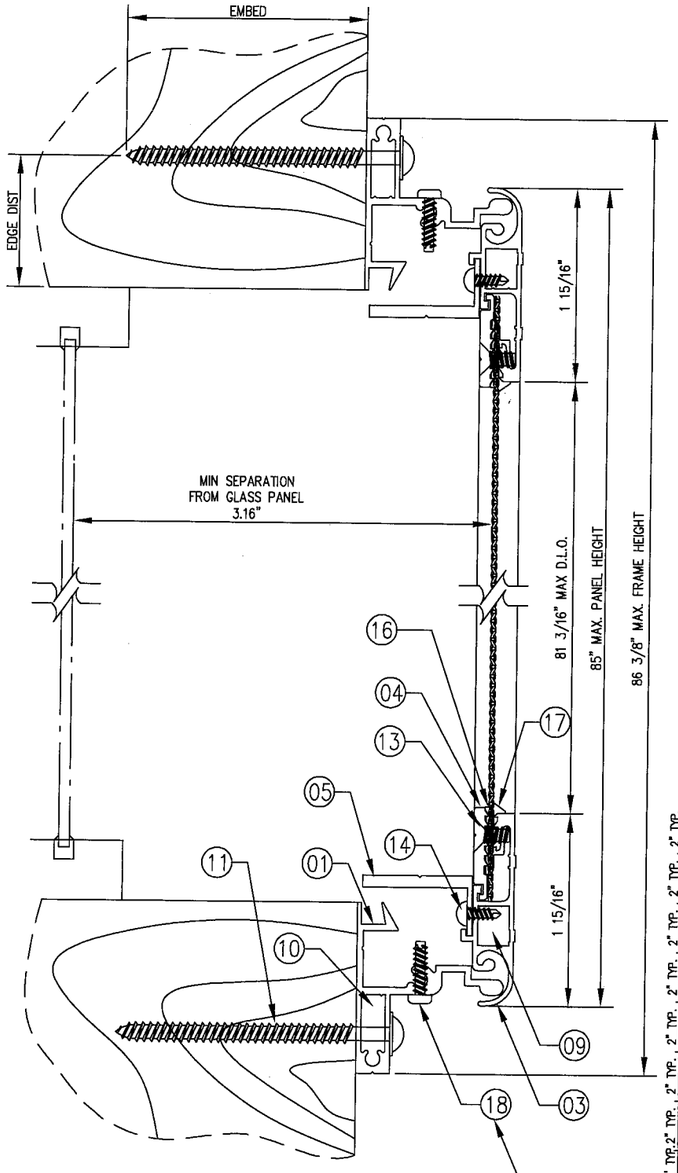
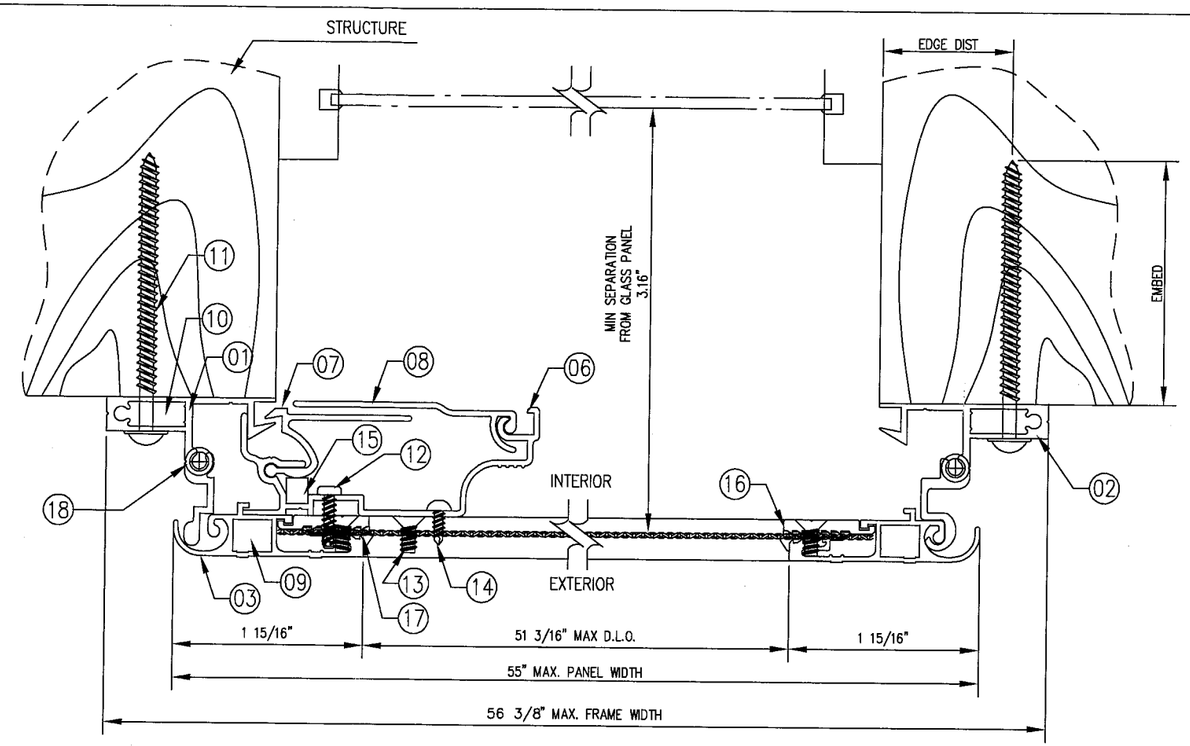
Sheet
2 of 5

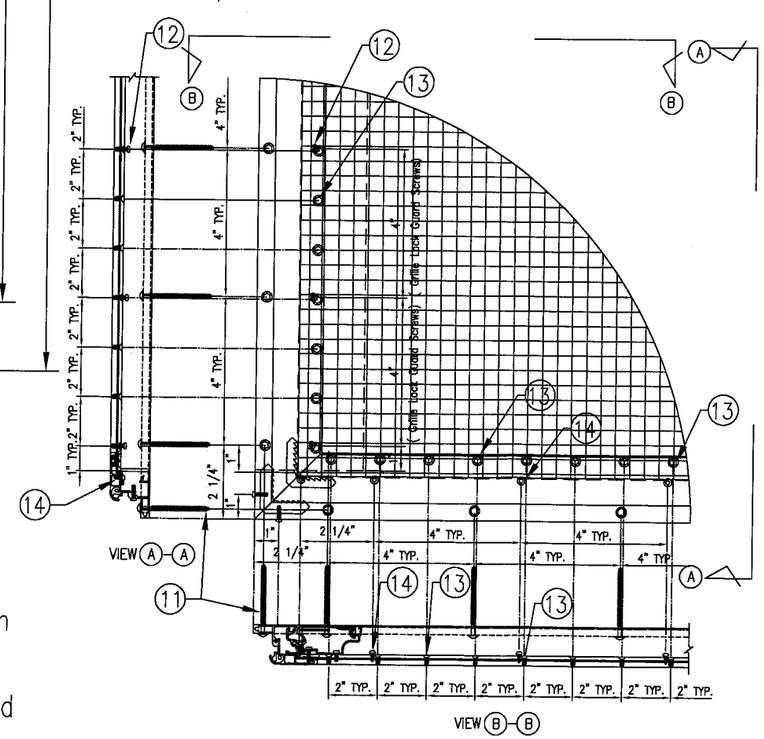


01/02 VERTICAL CROSS SECTION
SIDE FIX HURRICANE WINDOW

The corners are mitered and secured with aluminium corner keys with one #8 x 1" pan head security screw through the head and sill into the jamb.



02/02 HORIZONTAL CROSS SECTION
SIDE FIX HURRICANE WINDOW



CORNER CONSTRUCTION DETAIL
ELEVATION

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 TO 6"	1 3/4"
#12 SELF DRILLING SHEET METAL SCREWS	ALUMINIUM OR STEEL FRAMING WITH MIN EDGE DISTANCE 1 3/8". WITH SCREW SPACING TO 6"	3/4"
#12 X 2 3/4"	WOOD /TIMBER WITH MIN EDGE DISTANCE 1 3/8". WITH SCREW SPACING TO 6"	1 3/8"

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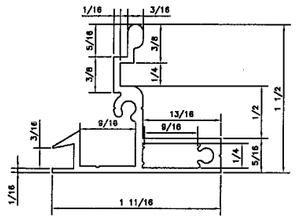
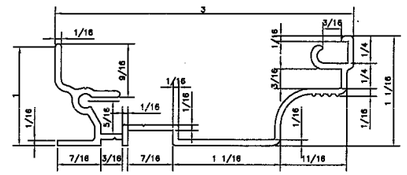
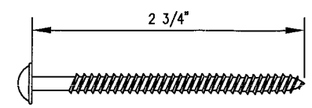
Sheet
3 of 5



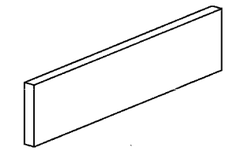
01 Base Frame-05A
SECTION



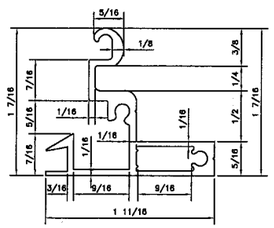
06 Grille Lock Guard-05E
SECTION



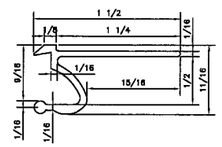
11 #12 X 2 3/4 -170
SECTION



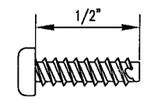
16 Tesa Tape
SECTION



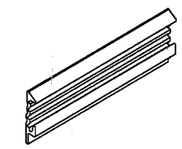
02 Base Frame Hinge Stile-05B
SECTION



07 Hinged Lock Handle-05D
SECTION



12 #8 X 1/2-17F1
SECTION



17 Santoprene Insulator
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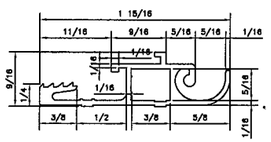
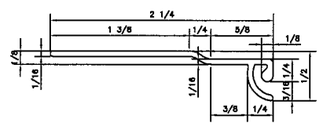


03 Safe Escape Sash-05C
SECTION



08 Grille Lock Guard Lid-05F
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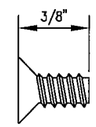
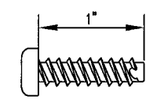
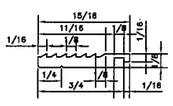


13 #10 X 3/8-17C
SECTION



18 #8 X 1
SECTION



04 Hurricane Clamp
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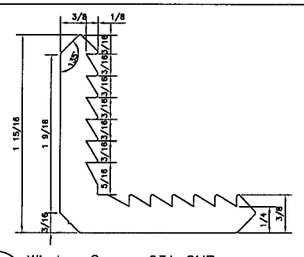
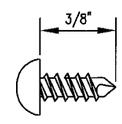
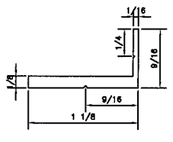


09 Window Corner 03A CNR
SECTION



14 #10 X 3/8"-17E
SECTION



05 Sash Stiffener-05K
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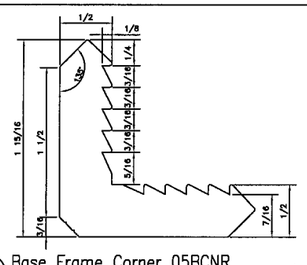

10 Base Frame Corner 05BCNR
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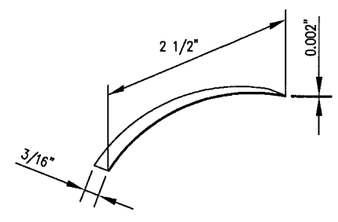


15 BOW Spring Min.4 or 5.905" Centres
SECTION

ALL DIMENSIONS 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:

SAFE S CAPE HURRICANE SCREEN

Engineering:

11/11/10
#39712

Rev.	Rev. Description

Date: 24 Sep 10
Scale: NA
Design by: CRIMSAFE

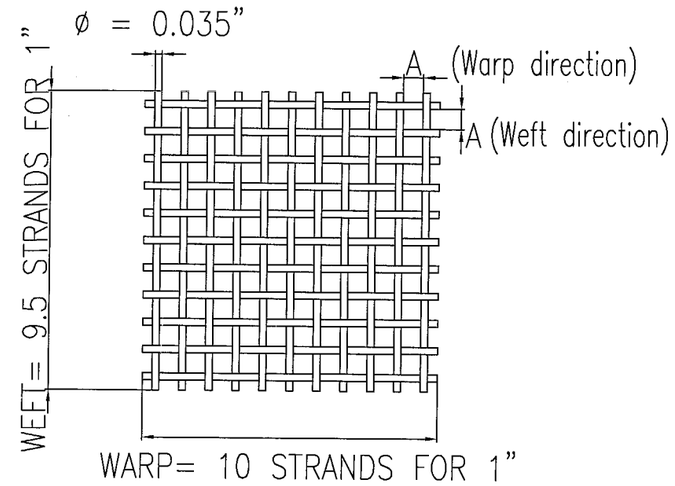
PRODUCT CONTROL DIVISION

Approved as complying with the Florida Building Code
Date 12/09/2010
NOA# 09-1005.03
Miami Dade Product Control Division
By

Drawing Number
MD-100-SSC

Sheet
4 of 5

BILL OF MATERIAL			
ITEM	DESCRIPTION	MATERIAL	QTY
01	Base Frame-05A	6063-T5	3
02	Base Frame Hinge Stile-05B	6063-T5	1
03	Safe Escape Sash-05C	6063-T5	4
04	Standard Clamp	6063-T5	4
05	Sash Stiffener-05K (Internal surround)	6063-T5	2
06	Grille Lock Guard-05E	6063-T5	1
07	Hinged Lock Handle-05D	6063-T5	1
08	Grille Lock Guard Lid-05F	6063-T5	1
09	Window Corner 03A CNR	6063-T5	4
10	Base Frame Corner 05BCNR	6063-T5	4
11	ANCHOR SCREW #10x 2 3/4"	STAINLESS STEEL	60
12	#8 x 1/2" Self Tapping Mushroom Head Screw 17F1	STAINLESS STEEL	5
13	#10 x 3/8" Countersunk Clamp Screws 17C	STAINLESS STEEL	170
14	#10 x 3/8" Self Drilling Screws 17B-BLKD	STAINLESS STEEL	15
15	BOW Spring Min.4 or 5.90" Centres	STAINLESS STEEL	5
16	Tesa Tape	–	4
17	Santoprene Insulator	Santoprene	4
18	#8 x 1" Self Tapping Mushroom Head Screw	STAINLESS STEEL	12



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 APPROPRIATE ANCHOR SCHEDULE.

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

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 PAN HEAD OR HEX HEAD.

6. MINIMUM EMBEDMENT AND EDGE DISTANCE EXCLUDES STUCCO, FOAM, BRICK, AND OTHER WALL FINISHES.

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).

ARCHITECTURAL TESTING INC TEST REPORT NUMBER: 92587.01-401-18
ARCHITECTURAL TESTING INC REVISED TEST REPORT NUMBER: 92587.03-401-18

ALL DIMENSIONS IN INCHES

Manufacturer:

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Fax: +1 863 665 0485

Product:

SAFE S CAPE HURRICANE SCREE

Engineering:

11/11/10

#39712

Rev.	Rev. Description

Date: 9 Nov 10
Scale: NA
Design by: CRIMSAFE

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Sheet
5 of 5