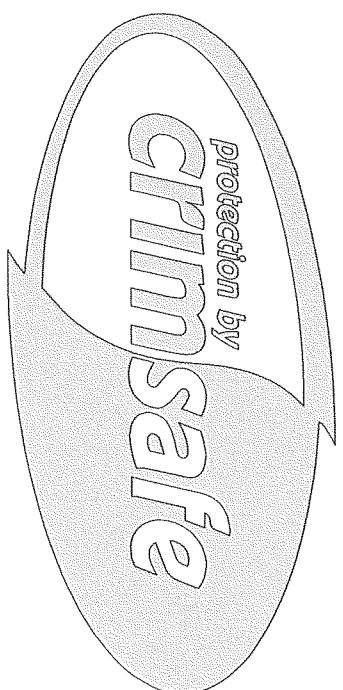


HINGED DOOR HURRICANE SCREEN

FLORIDA BUILDING CODE TESTING

BY



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

*PFM
crimsafe
#39712*

HINGED DOOR HURRICANE SCREEN

Manufacturer:



MAXIMUM ALLOWABLE DESIGN PRESSURES:

+50.0 PSF

-50.0 PSF

MIN. SEPARATION FROM GLAZING:
Non HHHZ 2.25"
HHHZ 3.25"

VELOCITY HURRICANE ZONE (HHHZ) AS WELL AS THROUGHOUT THE STATE OF FLORIDA.

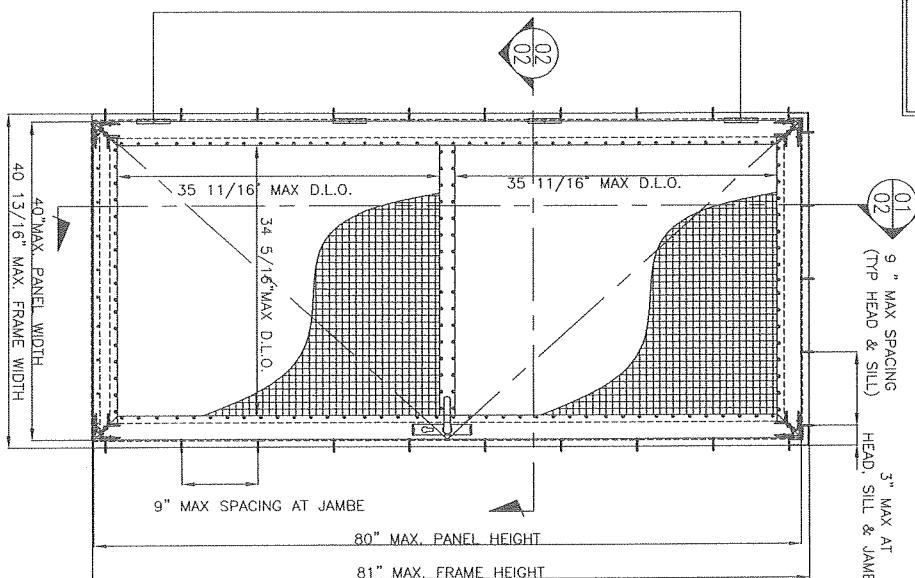
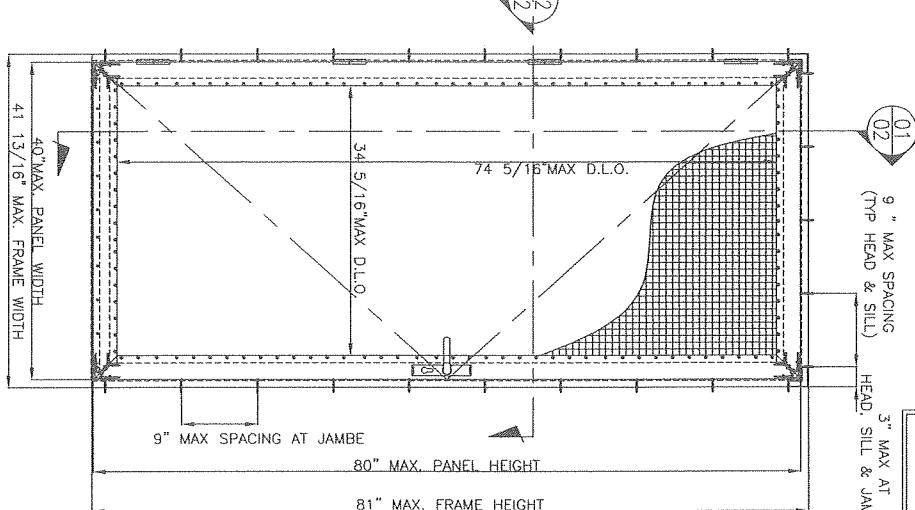
GENERAL NOTES :

1. THE DOOR SCREEN SYSTEM DESCRIBED HEREIN HAS BEEN DESIGNED AND TESTED IN COMPLIANCE WITH THE 2010 FLORIDA BUILDING CODE AND TEST PROTOCOLS TAS 201, 202 & 203. THIS SYSTEM MAY BE USED WITHIN THE HIGH VELOCITY HURRICANE ZONE (HHHZ) 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 ALUMINUM STRUCTURAL FRAME OF ALLOY 6063-T5(MN). FRAME SHALL MEET ALL APPLICABLE IMPACT & WINDLOAD CRITERIA, AND SHALL BE INSTALLED PER RESPECTIVE PRODUCT APPROVAL DOCUMENTATION.

5. THE SYSTEM DESCRIBED HEREIN IS GENERIC AND DOES NOT PROVIDE INFORMATION FOR A SPECIFIC SITE. FOR SITE CONDITIONS DIFFERENT 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 ALUMINUM FRAME CORNERS ARE MITERED, AND SCREWED.
2. FRAME DOES CONTAIN MULTI POINT LOCK HARDWARE.
3. MESH CONSTRUCTION: STAINLESS STEEL GRADE MESH IS MADE UP OF 304 "HIGH TENSILE" STAINLESS STEEL, WITH $\phi 0.035"$ STRANDS ARRANGED 10 STRANDS BY 10 STRANDS PER SQUARE INCH. THE MESH INFORMATION IS DESCRIBED IN SHEET 5.
4. THE MESH IS ATTACHED ONTO THE MAIN FRAME BY A REMOVABLE ALUMINUM CLAMP WITH TAMPER RESISTANT SECURITY HEAD SCREW.



01 TYPICAL ELEVATION
EXTER ELEV

01 TYPICAL ELEVATION WITH MIDRAIL
EXTER ELEV

ALL DIMENSION IN INCHES

Drawing Number
MD-301-STD

Sheet
01 of 08

Engineering:
John G. Miller
HINGED DOOR
HURRICANE SCREEN

Crimsafe North America
PO Box 2440 Eaton Park
FL 33840-2440
Phone: +1 863 510 0188
Fax: +1 863 665 0495

HINGED DOOR HURRICANE SCREEN

Manufacturer:



MAXIMUM ALLOWABLE DESIGN PRESSURES:

+50.0 PSF

-50.0 PSF

MIN SEPARATION FROM GLAZING:
HWHZ 3.25",
non HWHZ 2.25"

202 & 203. THIS SYSTEM MAY BE USED WITHIN THE HIGH VELOCITY HURRICANE ZONE (HWHZ) AS WELL AS THROUGHOUT THE STATE OF FLORIDA.

GENERAL NOTES :

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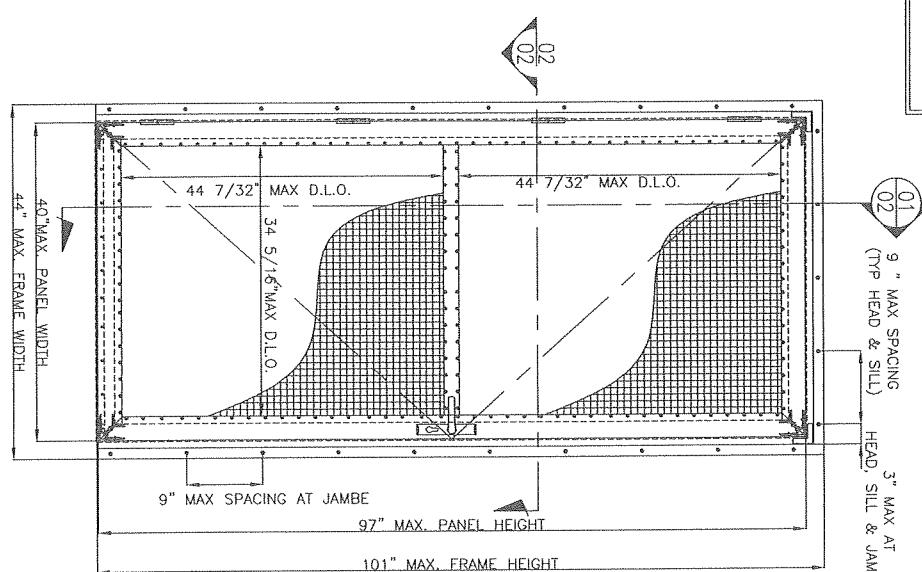
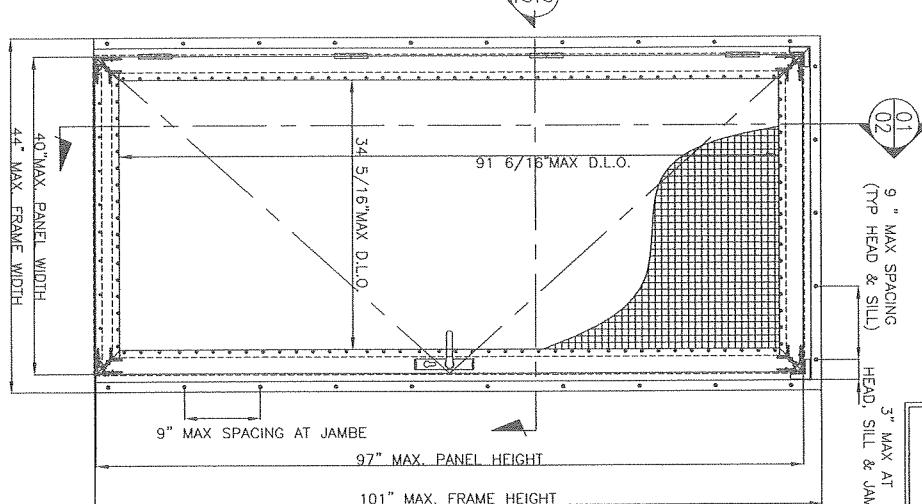
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01 TYPICAL ELEVATION
EXTER ELEV

01 TYPICAL ELEVATION WITH MIDRAIL
EXTER ELEV

ALL DIMENSION IN INCHES

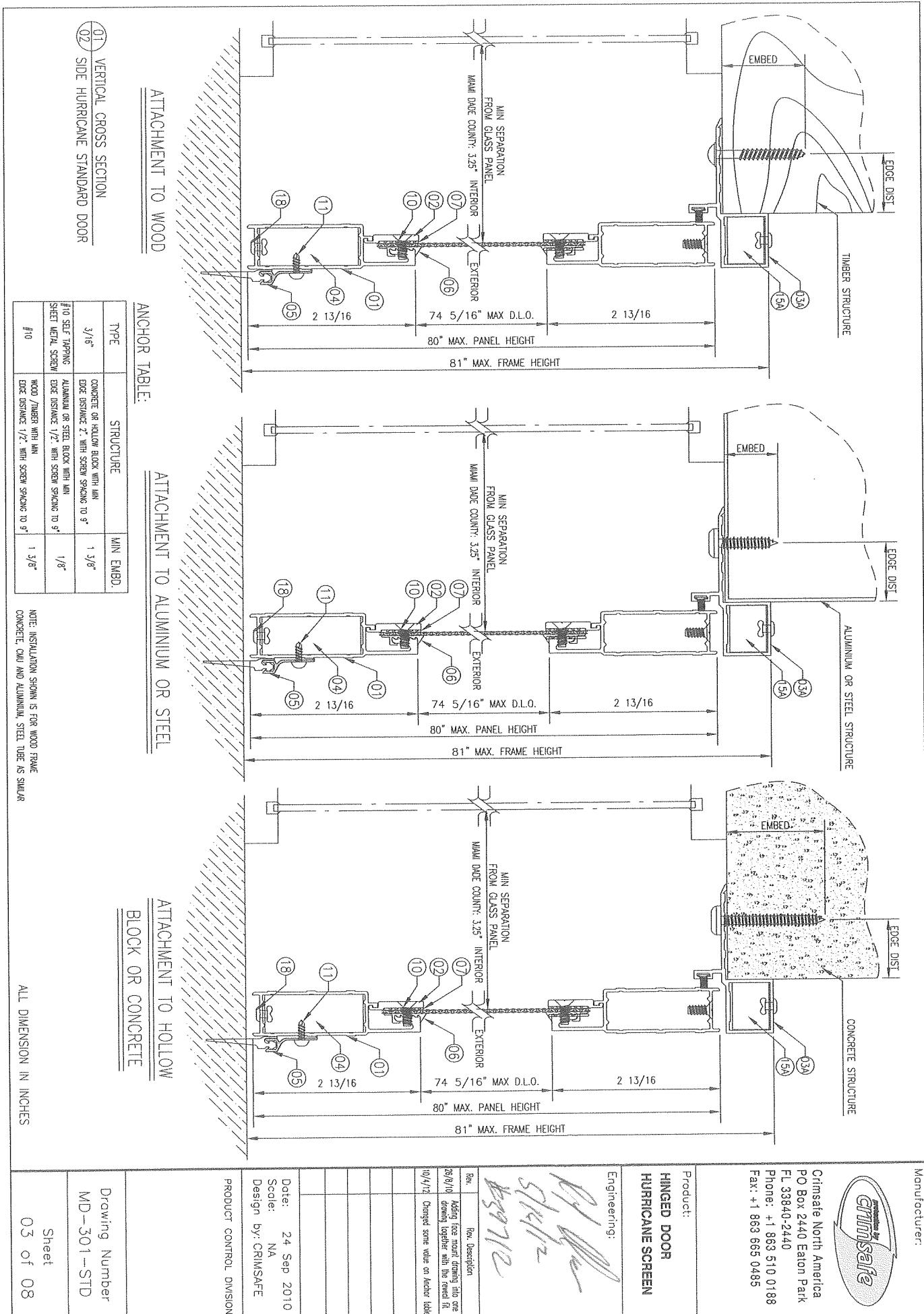
Sheet
02 of 08

Engineering:
5/14/12
#3972

Product:
HINGED DOOR HURRICANE SCREEN

Crimsafe North America
PO Box 2440 Eaton Park
FL 33940-2440
Phone: +1 863 510 0188
Fax: +1 863 665 0495

Rev.	Rev. Description
20/2/10	Adding face mount down into one corner together with the face flange.
29/2/12	Changed wording on General notes 1.
10/4/12	Added HWHZ 3.25", non HWHZ 2.25"



Manufacturer:

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

Rev.

Rev.

Description

24/8/10

Adding face mount drawing into one

10/4/12

Changed some value on Anchor table

Manufacturer:



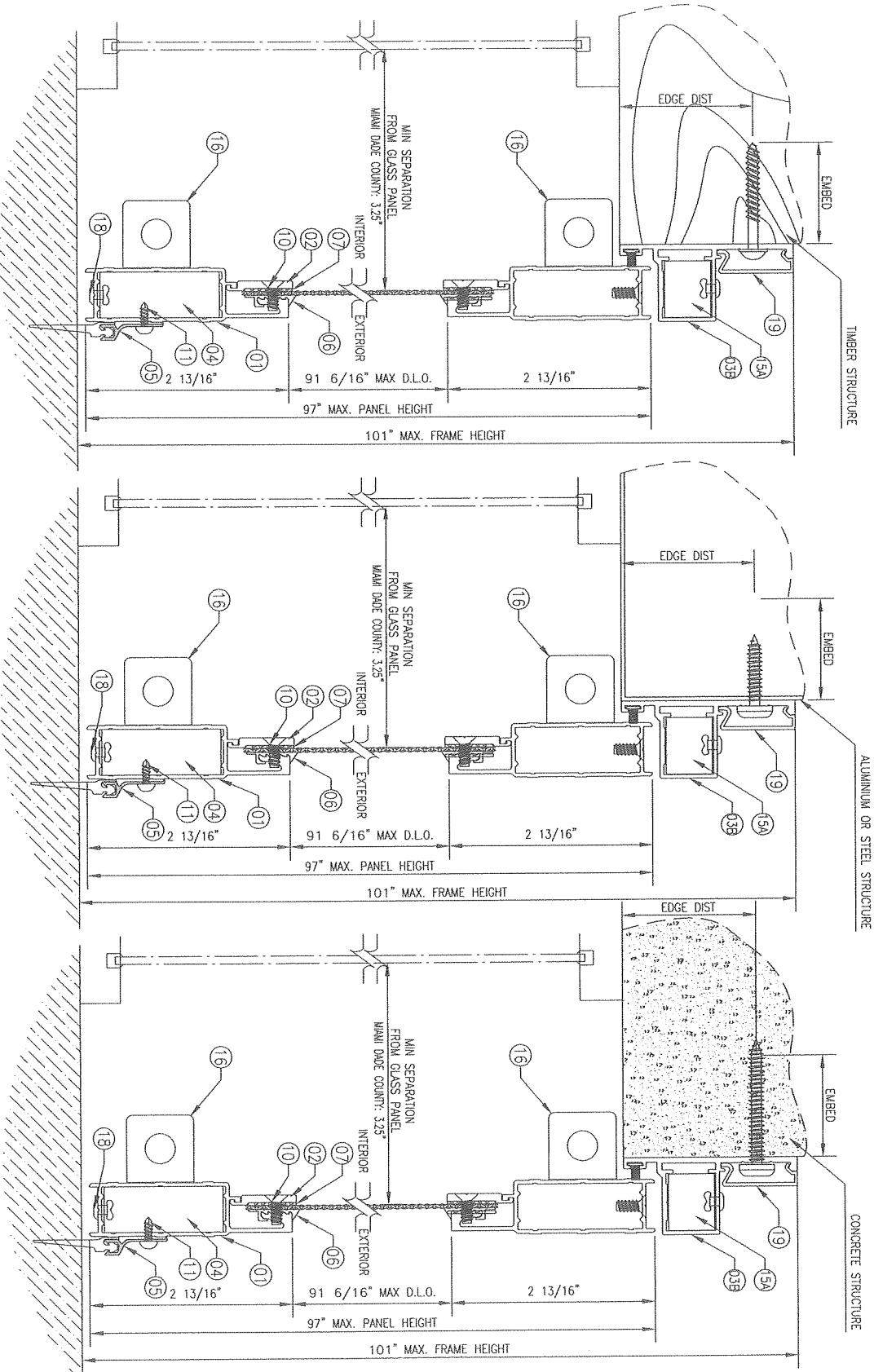
Crimsafe North America
PO Box 2440 Eaton Park
FL 33340-2440
Phone: +1 863 510 0188
Fax: +1 863 665 0485

Product:
**HINGED DOOR
HURRICANE SCREEN**

Engineering:

M. J. O'Leary
M. J. O'Leary

Rev. *5/3/12*
Rev. Description
26/6/10 Adding face mount, drawing into one
10/4/12 Stronger together with the recess fit.



PRODUCT CONTROL DIVISION

Drawing Number
MD-301-STD

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01 VERTICAL CROSS SECTION		
02 SIDE HURRICANE STANDARD DOOR	STRUCTURE	MIN EMBD.
3/16"	CONCRETE OR HOLLOW BLOCK WITH MIN EDGE DISTANCE 2" WITH SCREW SPACING TO 9"	1 3/8"
#10 SELF TAPPING SHEET METAL SCREW	ALUMINUM OR STEEL BLOCK WITH MIN EDGE DISTANCE 1/2" WITH SCREW SPACING TO 9"	1 9/16"
#10 WOOD / TIMBER WITH MIN EDGE DISTANCE 1/2" WITH SCREW SPACING TO 9"	CONCRETE, GROUT AND ALUMINUM STEEL TUBE AS SIMILAR	1 3/8"

NOTE: INSTALLATION SHOWN IS FOR WOOD FRAME

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:
HINGED DOOR
HURRICANE SCREEN

Engineering:

John M. Miller
Ref. No. 5972
Rev. Description
25/8/10 Adding face mount, downing into one
flange together with the need fit

Date: 24 Sep 2010
Scale: NA
Design by: CRIMSAFE

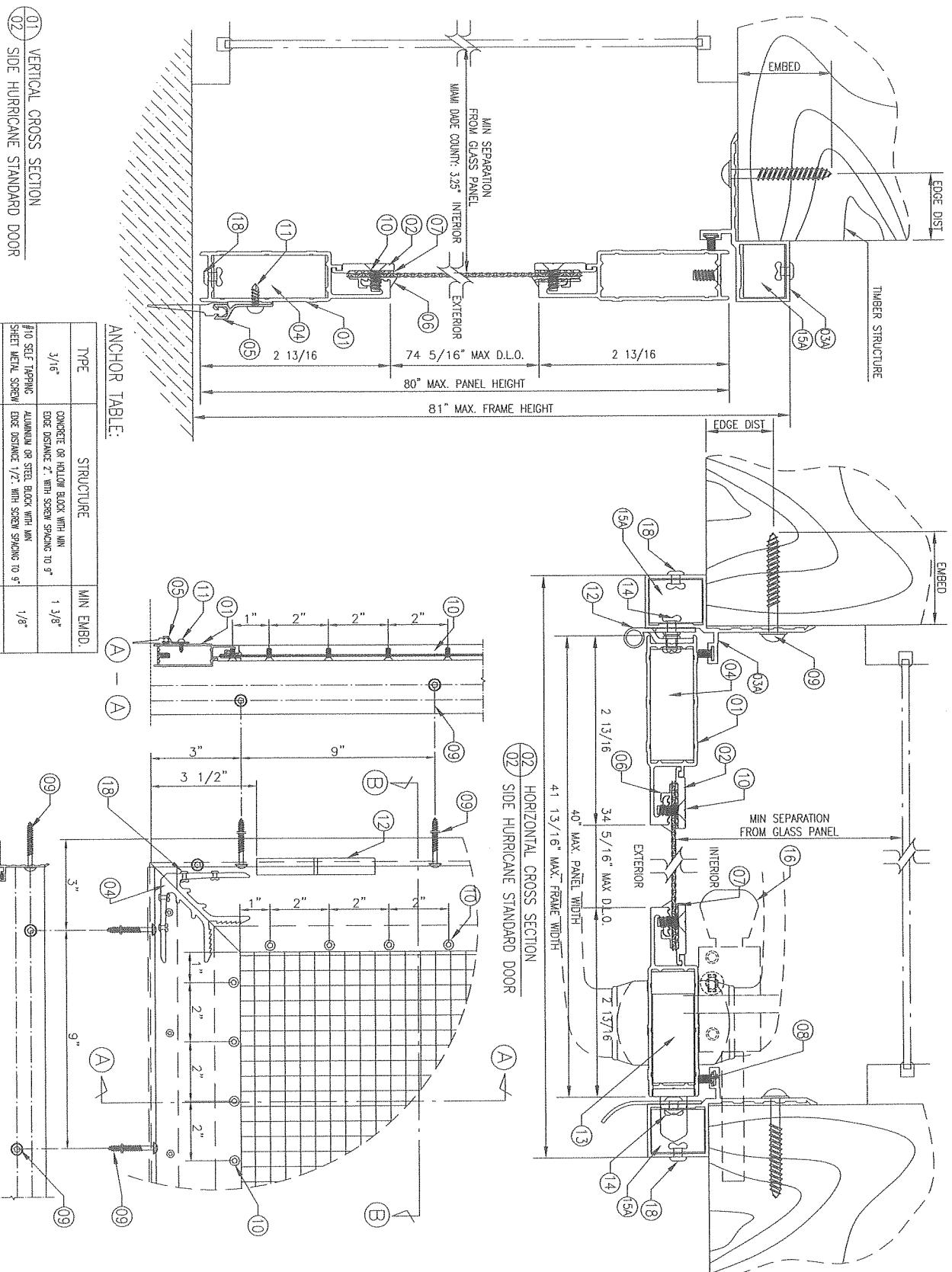
PRODUCT CONTROL DIVISION

NOTE: INSTALLATION SHOWN IS FOR WOOD FRAME
CONCRETE, CMU AND ALUMINUM, STEEL TUBE AS SIMILAR

ANCHOR TABLE:

TYPE	STRUCTURE	MIN EMBD.
3/16"	CONCRETE OR MASON BLOCK WITH MIN #10 SELF TAPPING ALUMINUM OR STEEL BLOCK WITH MIN SHEET METAL SCREW	1 3/8"
#10	WOOD /MIXER WITH MIN EDGE DISTANCE 1/2" WITH SCREW SPACING TO 9"	1 3/8"

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:
HINGED DOOR
HURRICANE SCREEN

Engineering:
John Schaffner
10/4/12

Ref. Rev. Description
26/3/10 Asigra face mount downing into one
locking together with the lower fit

Date: 24 Sep 2010
Scale: NA
Design by: CRIMSAFE

PRODUCT CONTROL DIVISION

01 VERTICAL CROSS SECTION
02 SIDE HURRICANE STANDARD DOOR

ANCHOR TABLE:

TYPE	STRUCTURE	MIN EMBD.
3/16"	CONCRETE OR HOLLOW BLOCK WITH MIN EDGE DISTANCE 2" WITH SCREW SPACING TO 9"	1 5/8"
#10 SELF TAPPING	ALUMINUM OR STEEL BLOCK WITH MIN EDGE DISTANCE 1/2" WITH SCREW SPACING TO 9"	1/8"
SHEET METAL SCREW		
#10	WOOD / WOOD WITH MIN EDGE DISTANCE 1/2" WITH SCREW SPACING TO 9"	1 5/8"

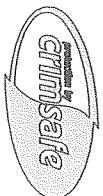
NOTE: INSTALLATION SHOWN IS FOR WOOD FRAME
CONCRETE, CND AND ALUMINUM, STEEL TUBE AS SIMILAR

(A) - (A) ALL DIMENSION IN INCHES

Drawing Number
MD-301-STD

Sheet
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Manufacturer:



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, STEEL OR AN APPROVED IMPACT RESISTANT ALUMINUM FRAME OF ALLOY 6063-T5 (MIN). FRAME SHALL BE INSTALLED PER RESPECTIVE APPROVAL DOCUMENTATION.

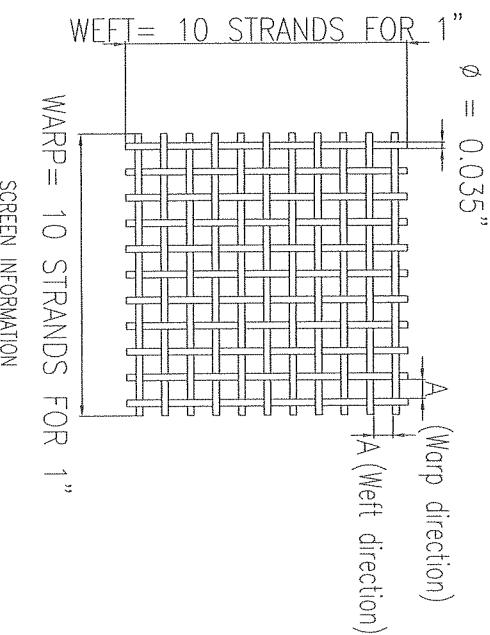
4. WHERE EXISTING STRUCTURE IS WOOD FRAMING, EXISTING CONDITIONS MAY VARY. FIELD VERIFY THAT FASTENERS ARE INTO ADEQUATE WOOD FRAMING MEMBERS, NOT PLYWOOD.

5. WHERE WOOD SCREWS FASTEN TO NARROW FACE OF STUD FRAMING, FASTENER SHALL BE LOCATED IN CENTER OF NOMINAL (MIN) WOOD STUD (19mm. 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 PHILLIPS PAN HEAD OR HEX HEAD.

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

7. ALL SCREW 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).

BILL OF MATERIAL			
ITEM	DESCRIPTION	MATERIAL	QTY
①	Door Frame 02A	6063-T5	4
②	Standard Clamp 04A	6063-T5	6
③	Door Build Out Frame	6063-T5	3
④	Face Mount Door Buildout	6063-T5	3
⑤	Door Corner 024CNR	6063-T5	4
⑥	Crimsafe Bug Seal and Retainer	6063-T5	1
⑦	Santoprene Insulator	Santoprene	4
⑧	Tesa Tape	-	4
⑨	Woolpile	-	4
⑩	#10 X 1 1/2" -18K	Stainless Steel	30
⑪	#8x3/32" -1801	Stainless Steel	270
⑫	#8x3/8" -18E	Stainless Steel	11
⑬	Hinge	Steel	4
⑭	Multi Point Lock System	Steel	1
⑮	6/4" Rivets	Stainless Steel	27
⑯	Plastic Corner Key	Plastic	2
⑰	Frame Corner Strike	6063-T5	2
⑱	Patio Bolt	Steel	2
⑲	Crimsafe Door Midrail	6063-T5	1
⑳	5/4" Rivets	Stainless Steel	32
㉑	Cover-088	6063-T5	3



ALL DIMENSION IN INCHES

SCREEN INFORMATION

Date: 30 June 2010
Scale: NA
Design by: CRIMSAFE

PRODUCT CONTROL DIVISION

Rev. Rev. Description
20/6/10 Adding face mount drawing into file.

Engineering:

#3912

HINGED DOOR
HURRICANE SCREEN
Drawing Number
MD-301-STD
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