



**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.miamidade.gov](http://www.miamidade.gov)

**NOTICE OF ACCEPTANCE (NOA)**

**JHRG, LLC**  
303 South Pine Street  
Spring Hope, NC 27882

**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: "Supreme Protector 503 W/E/PEH" Flexible Hurricane Wind Abatement Systems**

**APPROVAL DOCUMENT:** Drawing No. JHRG05, titled "Supreme Protector", sheets 1 through 4 of 4, prepared by Certworks, LLC, dated April 09, 2009, last revision "A" dated May 29, 2009, signed and sealed by Kristina Daugherty, P.E., 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**

**LABELING:** Each panel shall bear a permanent label with the manufacturer's name or logo, city, state 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.**



*Helmy A. Makar*  
07/01/2009

NOA No. 07-1015.04  
Expiration Date: 07/01/2014  
Approval Date: 07/01/2009  
Page 1

**JHRG, LLC**

**NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED**

**A. DRAWINGS**

1. *Drawing No. JHRG05, titled " Supreme Protector ", sheets 1 through 4 of 4, prepared by Certworks, LLC, dated April 09, 2009, last revision "A" dated May 29, 2009, signed and sealed by Kristina Daugherty, P.E.*

**B. TESTS**

1. *Test report on Large Missile Impact Test, Cyclic Wind Pressure Test and Uniform Static Air Pressure Test of 503 W/E/PEH Supreme Protector Flexible Hurricane Wind Abatement System, prepared by American Test Lab, Inc., Report No. 0902.01-08, dated October 16, 2008, signed and sealed by David Johnson, P.E.*
2. *Test report on Large Missile Impact Test, Cyclic Wind Pressure Test and Uniform Static Air Pressure Test of 503 W/E/PEH Supreme Protector Flexible Hurricane Wind Abatement System, prepared by American Test Lab, Inc., Addendum to Report No. 0902.01-08, dated December 05, 2008, signed and sealed by David Johnson, P.E.*

**C. CALCULATIONS**

1. *Anchor calculations dated May 28, 2009, 8 pages, prepared by Certworks, LLC, signed and sealed by Kristina Daugherty, P.E.*

**D. QUALITY ASSURANCE**

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

**E. MATERIAL CERTIFICATIONS**

1. *Mill Certified Inspection Report issued by John S. Morse, P.E., dated August 06, 2007, with chemical analysis and mechanical properties for 503 WE/PE Spectra Fabric Samples.*



**Helmy A. Makar, P.E., M.S.**  
**Senior Product Control Examiner**  
**NOA No. 07-1015.04**  
**Expiration Date: 07/01/2014**  
**Approval Date: 07/01/2009**

**GENERAL NOTES:**

- THE PRODUCT SHOWN HEREIN IS APPROVED AS A LARGE MISSILE IMPACT PROTECTIVE SYSTEM IN ACCORDANCE WITH THE 2007 FLORIDA BUILDING CODE FOR USE INSIDE & OUTSIDE THE HIGH VELOCITY HURRICANE ZONE (HVHZ). TESTING PROTOCOLS WERE IN ACCORDANCE WITH TAS 201-94, TAS 202-94, TAS 203-94.
- NO 33-1/3% INCREASE IN ALLOWABLE STRESS HAS BEEN USED IN THE DESIGN OF THIS PRODUCT. WINDLOAD DURATION FACTOR Cd=1.6 HAS BEEN USED FOR WOOD ANCHOR DESIGN.
- POSITIVE AND NEGATIVE DESIGN PRESSURES TO BE USED WITH THESE DRAWINGS SHALL BE DETERMINED BY OTHERS FOR SPECIFIC JOBS IN ACCORDANCE WITH THE GOVERNING CODE. WHEN CALCULATING PRESSURES PER ASCE 7-05, USE OF DIRECTIONALITY FACTOR KD = 0.85 IS ALLOWED.
- THE FLEXIBLE WIND ABATEMENT SYSTEM DETAILED HEREIN IS GENERIC AND DOES NOT PROVIDE INFORMATION FOR A SPECIFIC SITE. IF SITE CONDITIONS DEVIATE FROM THE CONDITIONS DETAILED HEREIN, A LICENSED ENGINEER OR REGISTERED ARCHITECT SHALL PREPARE SITE SPECIFIC DOCUMENTS TO BE USED IN CONJUNCTION WITH THIS DOCUMENT.
- THE FLEXIBLE WIND ABATEMENT SYSTEM PANELS SHALL BE SUPREME PROTECTOR (SINGLE LAYER) FABRIC. EACH GROMMET ROW IS REINFORCED WITH ONE (1) 6061 T6511 ALUMINUM FLAT 1/8" X 1" X AS REQUIRED FOR THE ENTIRE WIDTH OF THE PANEL.
- THE FLEXIBLE WIND ABATEMENT SYSTEM PANELS SHALL BE PERMANENTLY LABELED WITH A MINIMUM OF ONE LABEL PER PANEL AS FOLLOWS:  
JHRG, LLC SPRING HOPE, NC  
MIAMI-DADE COUNTY PRODUCT CONTROL APPROVED
- THE FLEXIBLE WIND ABATEMENT PANELS MAY BE MOUNTED HORIZONTALLY WHERE APPLICABLE (i.e. WITH LINE OF ANCHORAGE IN VERTICAL DIRECTION).
- ALL BOLTS & WASHERS SHALL BE ZINC COATED, GALVANIZED OR STAINLESS STEEL WITH A MINIMUM TENSILE STRENGTH OF 60 KSI.
- TOP AND BOTTOM DETAILS SHOWN ON THIS DRAWING MAY BE INTERCHANGED AS FIELD CONDITIONS DICTATE.
- ADEQUACY OF THE EXISTING STRUCTURAL CONCRETE/MASONRY AND 2X FRAMING AS A MAIN WIND FORCE RESISTING SYSTEM CAPABLE OF WITHSTANDING AND TRANSFERRING APPLIED LOADS TO THE FOUNDATION IS THE RESPONSIBILITY OF THE ENGINEER OR ARCHITECT OF RECORD FOR THE PROJECT OF INSTALLATION.
- SEE THE DESIGN PRESSURE RATING ON THIS SHEET.
- APPROVED IMPACT PROTECTIVE SYSTEM IS NOT REQUIRED TO PROTECT THIS PRODUCT IN AREAS REQUIRING IMPACT RESISTANCE.

**INSTALLATION NOTES:**

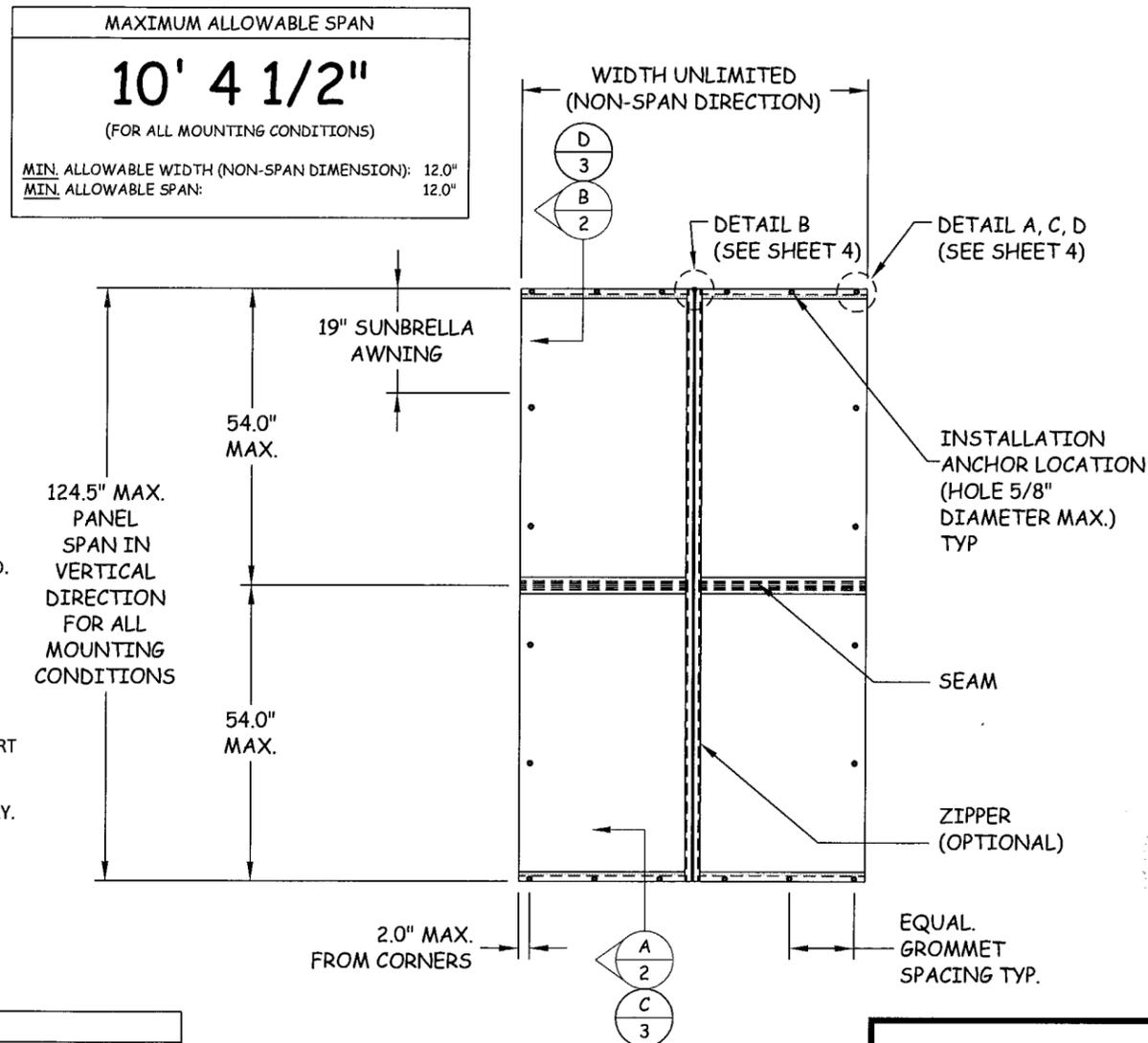
- ONE (1) INSTALLATION ANCHOR IS REQUIRED AT EACH ANCHOR LOCATION SHOWN.
- THE NUMBER OF INSTALLATION ANCHORS DEPICTED IS THE MINIMUM NUMBER OF ANCHORS TO BE USED FOR PRODUCT INSTALLATION.
- MINIMUM EDGE DISTANCE AND EMBEDMENT EXCLUDE WALL FINISHES (INCLUDING BUT NOT LIMITED TO STUCCO, FOAM, BRICK VENEER, AND SIDING).
- INSTALLATION ANCHORS AND ASSOCIATED HARDWARE MUST BE MADE OF CORROSION RESISTANT MATERIAL OR HAVE A CORROSION RESISTANT COATING.
- FOR HOLLOW BLOCK AND GROUT FILLED BLOCK, DO NOT INSTALL INSTALLATION ANCHORS INTO MORTAR JOINTS. EDGE DISTANCE IS MEASURED FROM FREE EDGE OF BLOCK OR EDGE OF MORTAR JOINT INTO FACE SHELL OF BLOCK.
- INSTALLATION ANCHORS SHALL BE INSTALLED IN ACCORDANCE WITH ANCHOR MANUFACTURER'S INSTALLATION INSTRUCTIONS, AND ANCHORS SHALL NOT BE USED IN SUBSTRATES WITH STRENGTHS LESS THAN THE MINIMUM STRENGTH SPECIFIED BY THE ANCHOR MANUFACTURER.
- SUPREME PROTECTOR FABRIC MATERIAL SPECS: SUPREME PROTECTOR 503 W/E/PEH WOVEN FABRIC WITH EVA AND POLYETHYLENE FILM COATING ON BOTH SIDES, UV RESISTANT.

**SPAN NOTES:**

- ALLOWABLE DESIGN PRESSURES SHALL NOT BE EXCEEDED.
- PANEL SPANS LONGER THAN MAXIMUM NOTED ARE NOT ALLOWED.
- PANEL SPANS LESS THAN MINIMUM NOTED ARE NOT ALLOWED.
- GLASS SEPARATION DUE TO SPAN. PLEASE REFER TO CHART ON SHEET 2 FOR DISTANCES.
- PANELS MAY BE MOUNTED VERTICALLY OR HORIZONTALLY.

# JHRG, LLC.

## SUPREME PROTECTOR 503 W/E/PEH HURRICANE SHUTTER



**ELEVATION EXTERIOR VIEW**

DESIGN PRESSURE RATING	
DESIGN PRESSURE	MISSILE IMPACT RATING
<b>+/-78.0 PSF</b>	SMALL AND LARGE MISSILE IMPACT RATED

TABLE OF CONTENTS		
SHEET	REV.	SHEET DESCRIPTION
1	A	ELEVATION, ANCHOR LAYOUT & GENERAL NOTES
2	A	VERTICAL SECTIONS
3	A	VERTICAL SECTIONS
4	A	COMPONENTS AND BILL OF MATERIALS

Approved as complying with the Florida Building Code  
 Date: 07/01/2009  
 NOA# 07-1015-04  
 Miami Dade Product Control  
 Division By: *Helmy Adhela*



303 S. PINE STREET  
 SPRING HOPE, NC 27882  
 PH: (800) 849-4997 FX: (252) 478-4998

TITLE: SUPREME PROTECTOR ELEVATION, ANCHOR LAYOUT & GENERAL NOTES  
 PREPARED BY: CERTWORKS, LLC  
 127 W. FAIRBANKS AVE., STE. 438  
 WINTER PARK, FL 32789  
 PH: (407) 644-6957 FX: (407) 644-2366

REVISIONS	
NO.	DESCRIPTION
A	UPDATED PER MIAMI-DADE COMMENTS

*Handwritten signature and date: 5-29-09*  
 KRISTINA S. DALGHERTY  
 FLORIDA P.E. NO. 98456  
 127 W. FAIRBANKS AVE., STE. 438  
 WINTER PARK, FL 32789  
 FBPE CERT. OF AUTHORIZATION NO. 28950

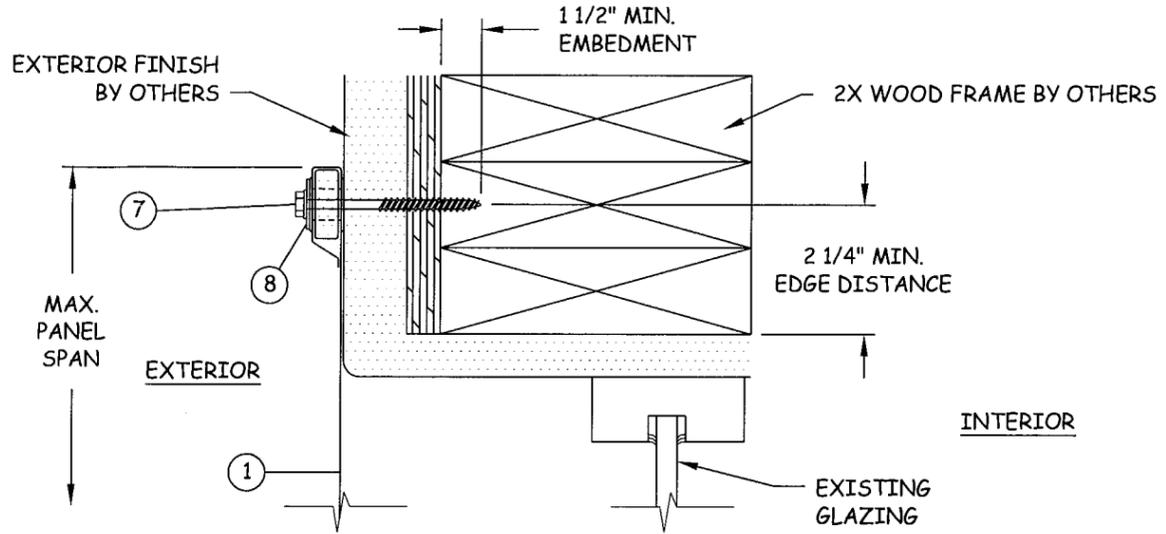
DATE: 04.09.09	DWN BY: JLR	CHK BY: HN	SCALE: NTS
DWG #: JHRG05			
SHEET: 1 OF 4			

P:\projects\jhrg, llc\m-d-p-09-0408.3 (m-d - storm-a-prot - hurricane shutter)\dwg\jhrg05 storm-a-prot hurricane shutter hvhz.dwg 5/29/2009 10:36 AM

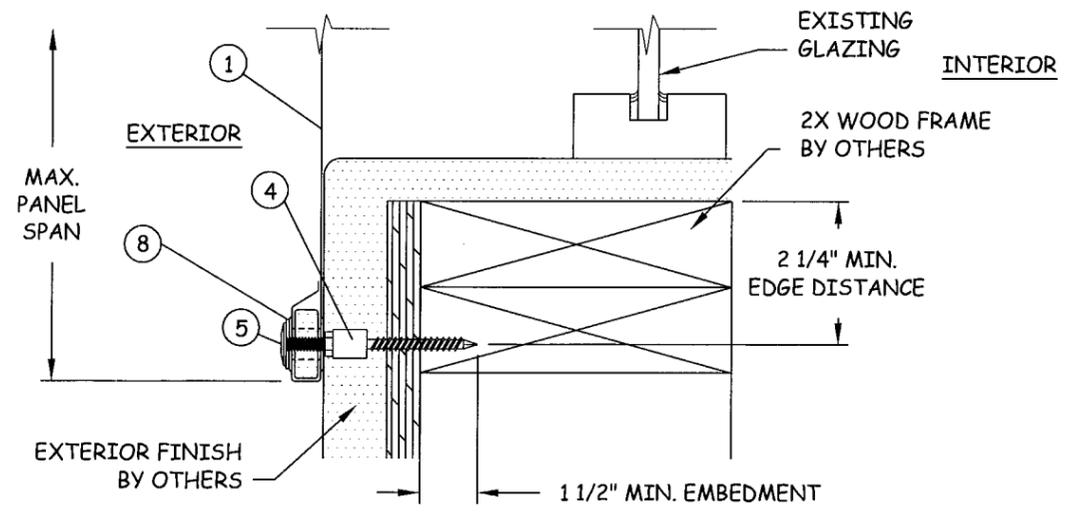
Offset Requirements based on Positive Load			
Design Pressure (PSF)	Deflections (in.)		
	Spans up to 4'-0"	Spans up to 6'-0"	Spans up to 10'-0"
20	7	8 1/4	10
25	7	8 1/4	11
30	7	9	12
35	7	9	12
40	7	10	12
45	7	10	13
50	7	10	13
55	7	10	14
60	7	10	14
65	7	10	14
70	7	10	14
78	7	10	14

\*SHUTTER/GLASS SEPARATION SHALL BE MEASURED AT MID-SPAN OF FABRIC

		Anchor Schedule					
		Anchor Spacing			Anchor Spacing		
		SYP Timber (S.G.=0.53)			3000 PSI Concrete		
Anchor	Design Pressure (PSF)	2 1/4" Edge Distance			2 1/2" Edge Distance		
		Spans up to 4'-0"	Spans up to 6'-0"	Spans up to 10'-0"	Spans up to 4'-0"	Spans up to 6'-0"	Spans up to 10'-0"
ITW Buildex Sammy Hurricane Shutter Screw SSW w/ 1 3/4" Tapcon (w/ 1/4" -20 x 3/4" Combo Sidewalk Bolt - SS)	20	12	12	12	12	12	12
	25	12	12	12	12	12	12
	30	12	12	12	12	12	12
	35	12	12	12	12	12	12
	40	12	12	12	12	12	12
	45	12	12	12	12	12	12
	50	12	12	11	12	12	12
	55	12	12	10	12	12	12
	60	12	12	9	12	12	11
65	12	12	9	12	12	10	
70	12	12	8	12	12	10	
78	12	12	7	12	12	9	
ITW Buildex 1/4 x 2 1/4" Tapcon SG w/ Ultrashield	20	12	12	12	12	12	12
	25	12	12	12	12	12	12
	30	12	12	12	12	12	12
	35	12	12	12	12	12	12
	40	12	12	12	12	12	12
	45	12	12	12	12	12	12
	50	12	12	12	12	12	12
	55	12	12	12	12	12	12
	60	12	12	12	12	12	12
	65	12	12	11	12	12	12
	70	12	12	10	12	12	12
78	12	12	9	12	12	12	



**B**  
**2** VERTICAL SECTION  
HEAD - 2X WOOD SUBSTRATE  
1/4" ITW BUILDDEX TAPCON SG



**A**  
**2** VERTICAL SECTION  
SILL - 2X WOOD SUBSTRATE  
1/4" ITW BUILDDEX SAMMYS SSC



303 S. PINE STREET  
SPRING HOPE, NC 27882  
PH: (800) 849-4997 FX: (252) 478-4998

TITLE: SUPREME PROTECTOR VERTICAL SECTIONS  
PREPARED BY: CERTWORKS, LLC  
127 W. FAIRBANKS AVE., STE. 438  
WINTER PARK, FL 32789  
PH: (407) 644-6957 FX: (407) 644-2366

NO.	DESCRIPTION	BY	DATE
A	UPDATED PER MIAMI-DADE COMMENTS	JLR	05.29.09

*Handwritten signature and date: 5-29-09*  
KIRSTINA S. DAUGHERTY  
FLORIDA P.E. NO. 68455  
127 W. FAIRBANKS AVE., STE. 438  
WINTER PARK, FL 32789  
FBI# 0991 OF AUTHORIZATION NO. 28950

Approved as complying with the Florida Building Code  
Date: 07/01/2009  
NGA# 07-1015-04  
Miami Dade Product Control  
By: *Handwritten signature*

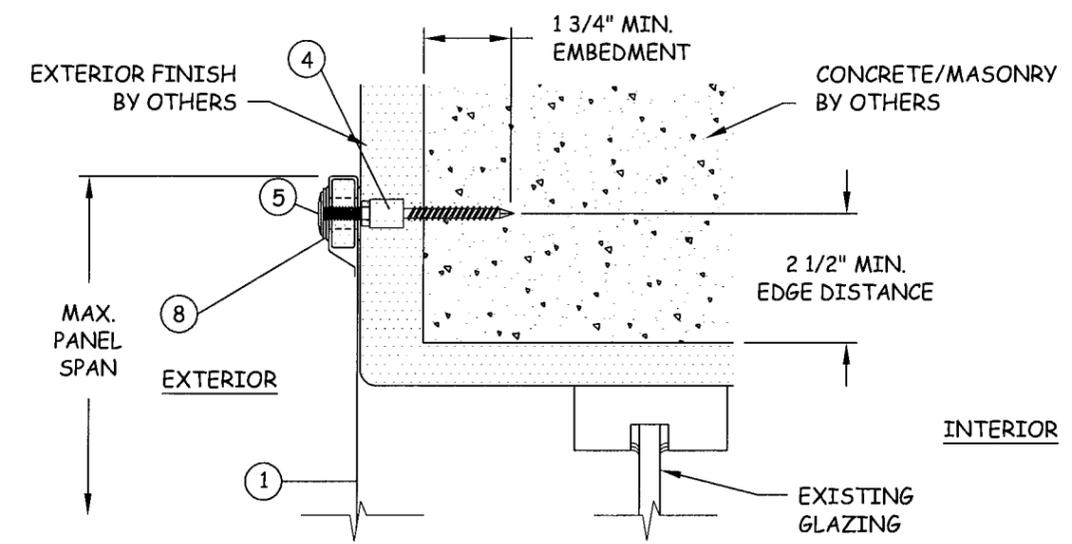
DATE: 04.09.09  
DWN BY: JLR  
CHK BY: HN  
SCALE: NTS  
DWG #: JHRG05  
SHEET: 2 OF 4

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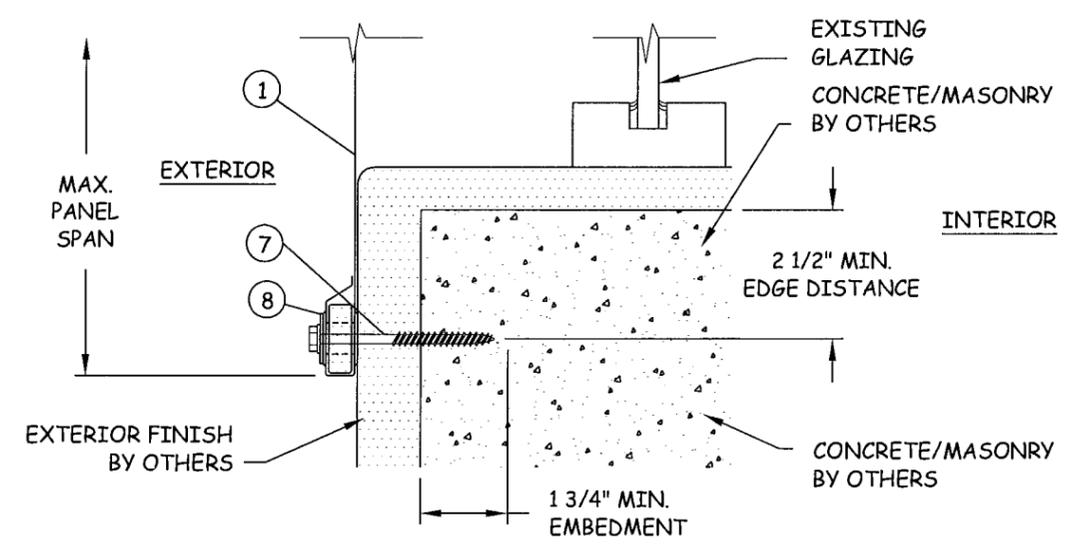


303 S. PINE STREET  
 SPRING HOPE, NC 27882  
 PH: (800) 849-4997 FX: (252) 478-4998

DESCRIPTION OF PRODUCT		
COMPONENT	DESCRIPTION	LOCATION
FABRIC	SUPREME PROTECTOR 503 W/E/PEH WOVEN FABRIC WITH EVA AND POLYETHYLENE FILM COATING ON BOTH SIDES, UV RESISTANT. WEIGHT 11.5 OZ./SQ. YD. +/- 1 OZ. TENSILE 25.2 G/DEN TONGUE TEAR OUT NOT LESS THAN 260 x 250 LBS. ABRASION 63,000 CYCLES COLD CRACK -40 F	
ZIPPER	#15 GAUGE x 84" MAX. OPENING, TEETH AND PULL HANDLE - DUPONT DELRIN ACETAL RESIN, UV STABILIZED, TAPED 1-1/4" WIDE, 100% POLYESTER, UV STABILIZED AS SHOWN IN DRAWINGS.	CENTER OF SPECIMEN
SUNBRELLA	19" HIGH x SPECIMEN WIDTH SOLUTION DYED ACRYLIC SEWN ON TO SPECIMEN AS SHOWN IN THE DRAWING.	TOP OF SPECIMEN
MOUNTING BRACKETS	1/8" x 1" 6061 T6511 ALUMINUM FLAT SEWN INTO FABRIC USING 138 THREAD AS SHOWN IN THE DRAWING.	HEAD AND SILL
GROMMETS	305 STAINLESS STEEL AS SHOWN IN THE DRAWING. PROVIDED BY STIMPSON-900 SYLVAN AVE., BAYPORT, NY 11705.	HEAD AND SILL CENTERLINE OF MOUNTING BRACKET
SEAM	3" WIDE STITCHED WITH 138 THREAD AS SHOWN IN DRAWING.	CENTER



**D**  
**3** VERTICAL SECTION  
 HEAD - MASONRY/CONCRETE SUBSTRATE  
 1/4" ITW BUILDEX SAMMYS SSC



**C**  
**3** VERTICAL SECTION  
 SILL - MASONRY/CONCRETE SUBSTRATE  
 1/4" ITW BUILDEX TAPCON SG

TITLE: SUPREME PROTECTOR VERTICAL SECTIONS

PREPARED BY: CERTWORKS, LLC  
 127 W. FAIRBANKS AVE., STE. 438  
 WINTER PARK, FL 32789  
 PH: (407) 644-6957 FX: (407) 644-2366

REVISIONS		DESCRIPTION	BY	DATE
No.	A	UPDATED PER MIAMI-DADE COMMENTS	JLR	05.29.09

*Handwritten signature and date: 5-29-09*  
 KRISTINA S. DANFORTH  
 FLORIDA P.E. NO. 68855  
 127 W. FAIRBANKS AVE. STE. 438  
 WINTER PARK, FL 32789  
 FBPE CERT. OF AUTHORIZATION NO. 28580

Approved as complying with the Florida Building Code  
 Date 07/01/2009  
 NOAH 07-1015-04  
 Miami Dade Product Control  
 Division  
 By *Handwritten signature*

DATE: 04.09.09  
 DWN BY: JLR  
 CHK BY: HN  
 SCALE: NTS  
 DWG #: JHRG05  
 SHEET: 3 OF 4

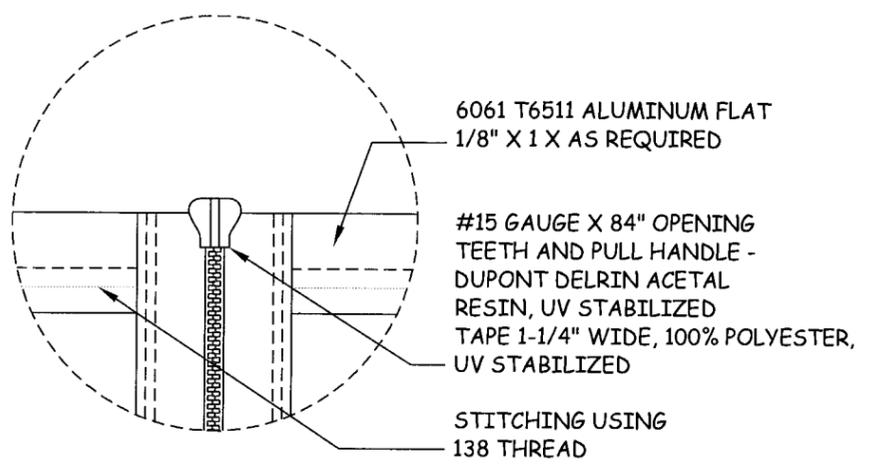
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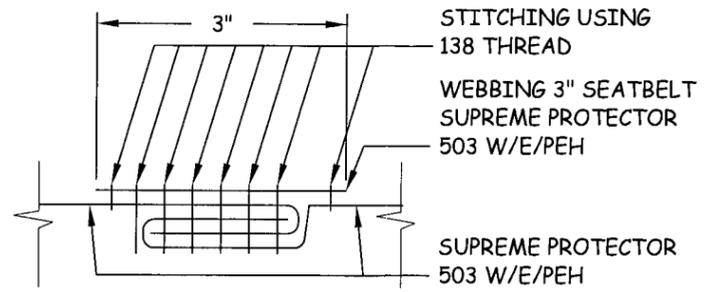


303 S. PINE STREET  
 SPRING HOPE, NC 27882  
 PH: (800) 849-4997 FX: (252) 478-4998

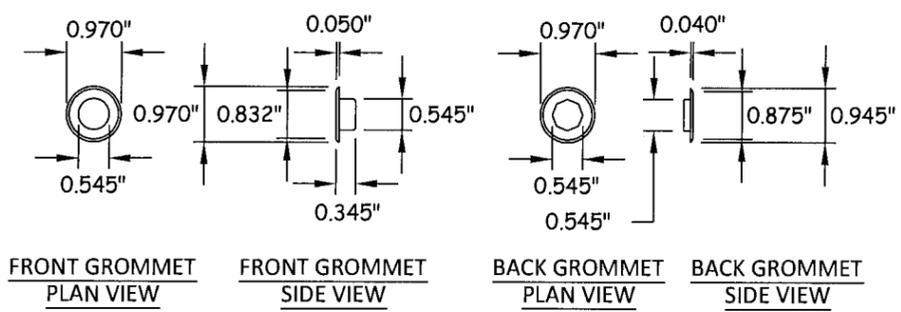
ITEM #	DESCRIPTION	MATERIAL	MANUFACTURER
1	SUPREME PROTECTOR 503 W/E/PEH	UHMW POLYETHYLENE	JHRG, LLC
2	GROMMET	305 S. STEEL	
3	ZIPPER AND SLIDER	RESIN	LENZIP
4	1/4" ITW BUILDEX SAMMYS SSC	STEEL	
5	1/4-20 X 3/4" SIDEWALK BOLT	S. STEEL	
6	6061 T6511 ALUMINUM FLAT 1/8" X 1"	ALUMINUM	
7	1/4" ITW BUILDEX TAPCON SG	STEEL	
8	1/4" FLAT WASHER	S. STEEL	



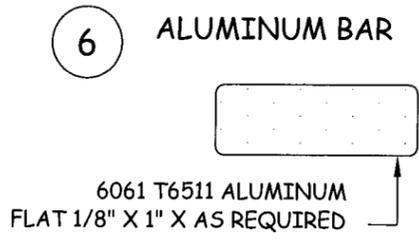
**DETAIL B**  
 LENZIP ZIPPER



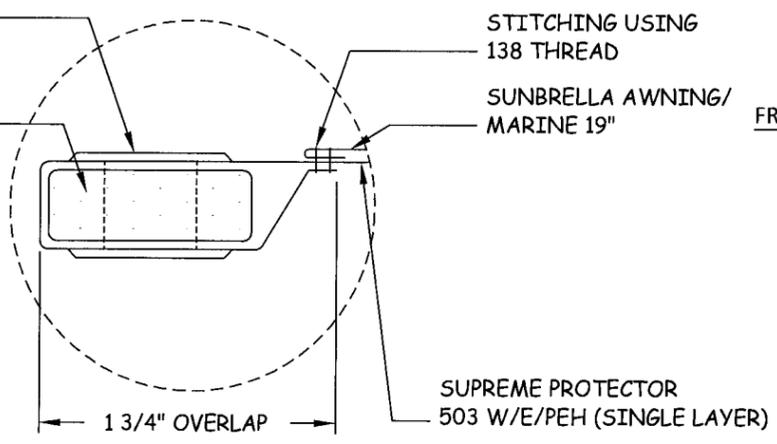
**DETAIL E**  
 SEAM USED TO JOIN PANELS



**2** GROMMET

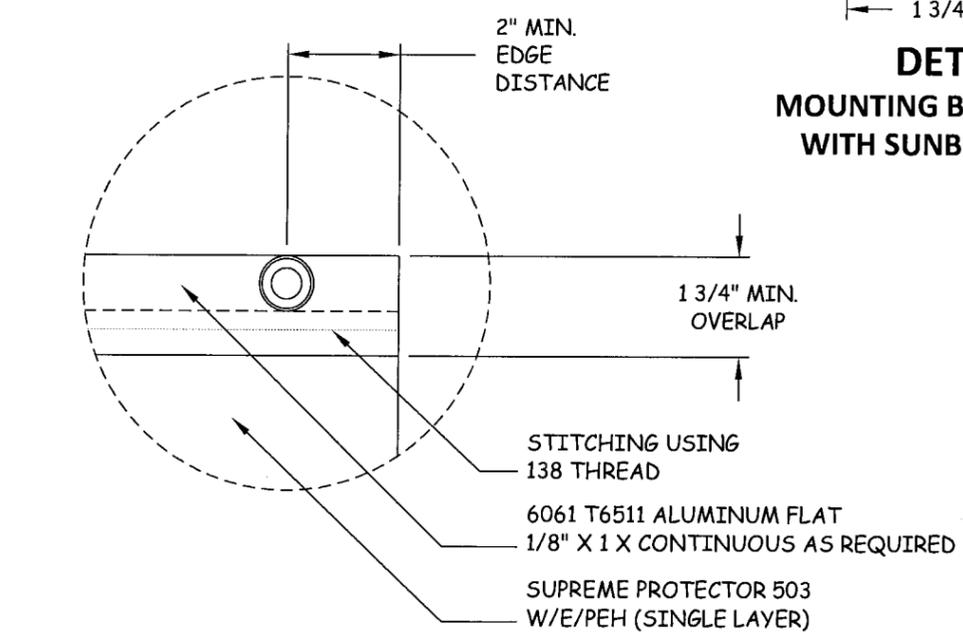
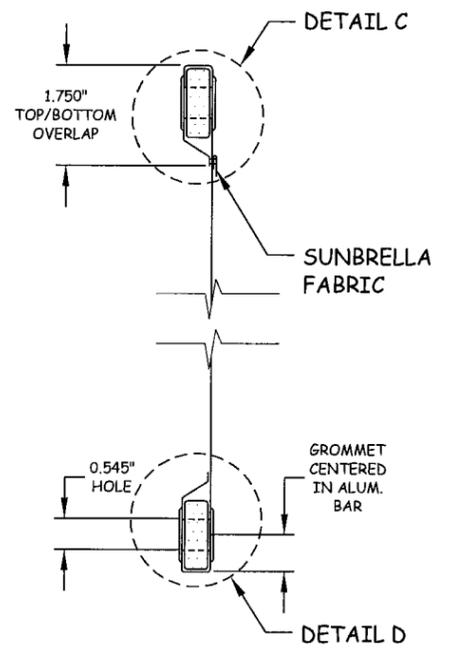


GROMMET, CENTERED IN ALUMINUM BAR  
 6061 T6511 ALUMINUM FLAT 1/8" X 1" X AS REQUIRED

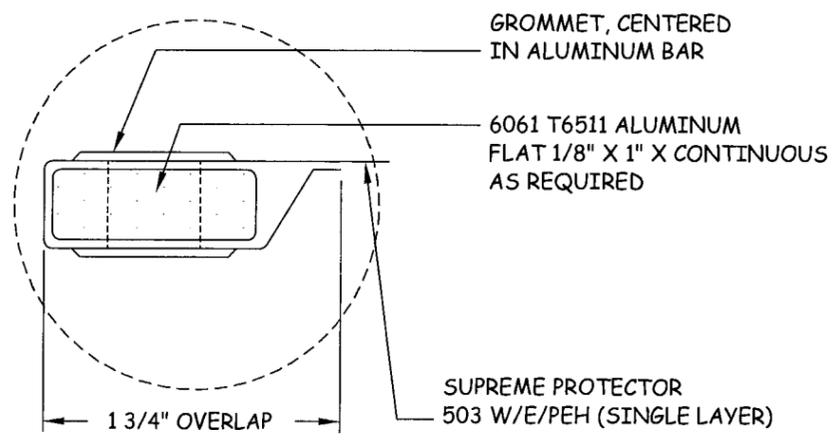


**DETAIL C**  
 MOUNTING BRACKET DETAIL WITH SUNBRELLA FABRIC

**1** SUPREME PROTECTOR 503 W/E/PEH PROFILE



**DETAIL A**  
 PANEL CORNER



**DETAIL D**  
 MOUNTING BRACKET DETAIL

TITLE: SUPREME PROTECTOR COMPONENTS AND BILL OF MATERIALS  
 PREPARED BY: CERTWORKS, LLC  
 127 W. FAIRBANKS AVE., STE. 438  
 WINTER PARK, FL 32789  
 PH: (407) 644-6957 FX: (407) 644-2366

NO.	DESCRIPTION	BY	DATE
A	UPDATED PER MIAMI-DADE COMMENTS	JLR	05.29.09

*Handwritten signature and date: 5-29-09*  
 KRISTINA S. DALSHERTY  
 PROJECT MANAGER  
 127 W. FAIRBANKS AVE., STE. 438  
 WINTER PARK, FL 32789  
 FBPE CERT. OF AUTHORIZATION NO. 28590

Approved as complying with the Florida Building Code  
 Date: 07/01/2009  
 NOA# 07-1915-04  
 Miami Dade Product Control  
 Division  
 By: *Handwritten signature*

DATE: 04.09.09  
 DWN BY: JLR  
 CHK BY: HN  
 SCALE: NTS  
 DWG #: JHRG05  
 SHEET: 4 OF 4

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