



**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)

**Rubb, Inc.
1 Rubb Lane
Sanford, Maine 04073**

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: Ferrari Preconstraint 1002 T Tensioned Arch. Textile Fabric Membrane

APPROVAL DOCUMENT: Drawing No. 29810, titled "8' x 16' Test Panel Frame Apparatus Steel work Details dated May 8, 1998, last revision #D dated May 18, 2000, one sheet, and Drawing No. 29811, titled "8' x 16' Test Panel PVC Details", dated May 8, 1998, last revision #F dated May 18, 2000, one sheet, both drawings prepared by N Dennis Eryou, P.E., bearing the Miami-Dade County Product Control Renewal stamp with the Notice of Acceptance number and expiration date by the Miami-Dade County Product Control Division.

MISSILE IMPACT RATING: Large and Small Missile Impact

LABELING: Each structure 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.

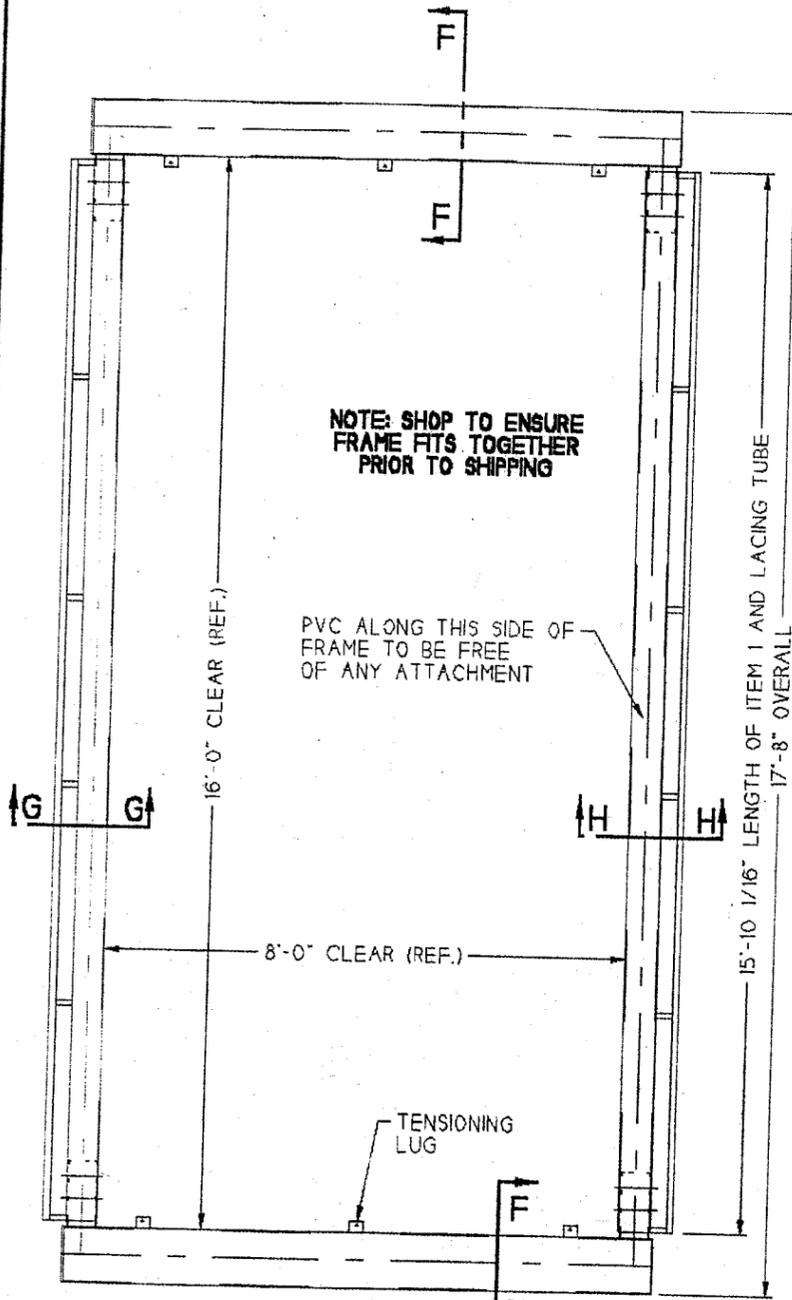
INSPECTION: A copy of this entire NOA shall be provided to the user by the manufacturer or its distributors and shall be available for inspection at the job site at the request of the Building Official.

This NOA **renews NOA # 98-1117.01** & consists of this page 1 as well as approval document mentioned above. The submitted documentation was reviewed by **Helmy A. Makar, P.E.**

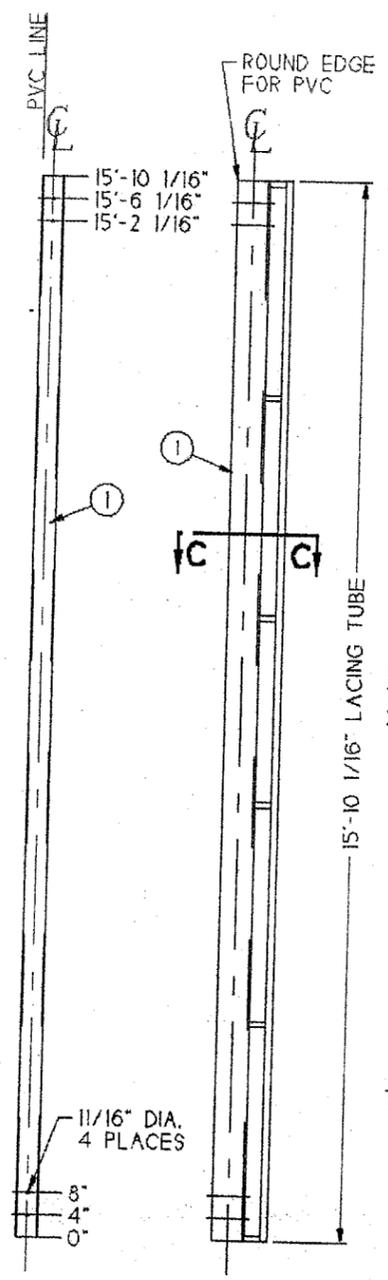


Helmy A. Makar
07/31/03

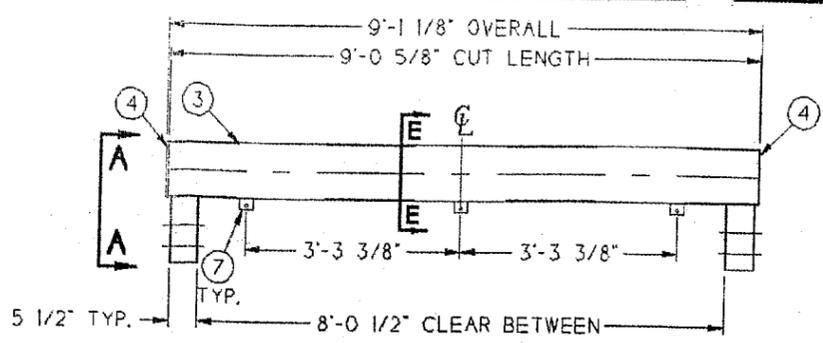
**NOA No 03-0512.01
Expiration Date: 06/08/2008
Approval Date: 07/31/2003**



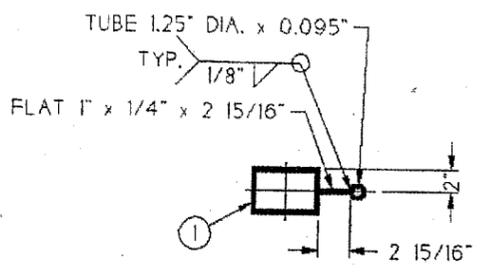
ASSEMBLY VIEW
VIEW ON INSIDE
1 REQUIRED AS SHOWN



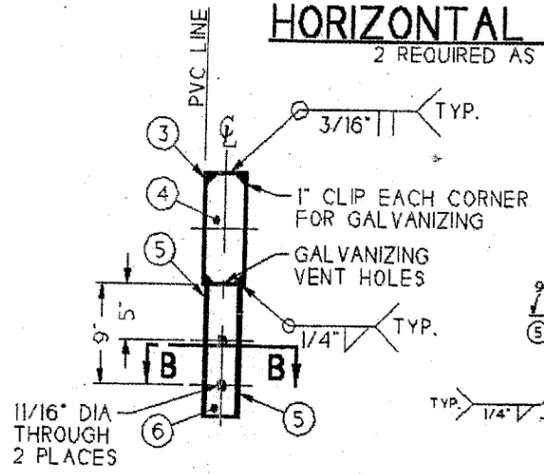
VERTICAL TRIMMER
2 REQUIRED AS SHOWN



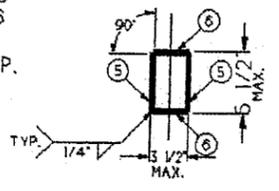
HORIZONTAL TRIMMER
2 REQUIRED AS SHOWN



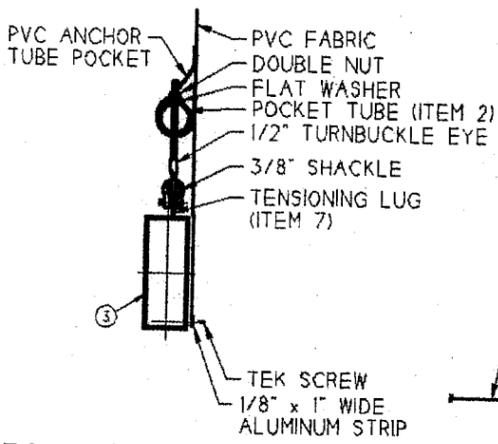
SECTION 'C-C'
2x SCALE



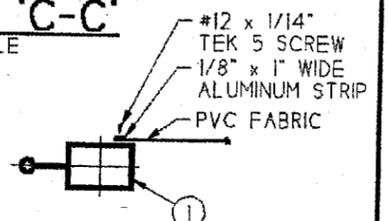
SECTION 'A-A'
2x SCALE



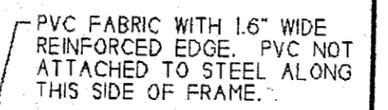
SECTION 'B-B'
2x SCALE



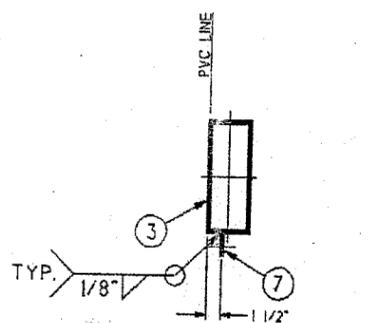
SECTION 'F-F'
2x SCALE
SHOWING PVC ANCHORED TO FRAME USING ANCHOR TUBE & POCKET



SECTION 'G-G'
2x SCALE
SHOWING PVC CONTINUOUSLY AFFIXED TO BOX FRAME

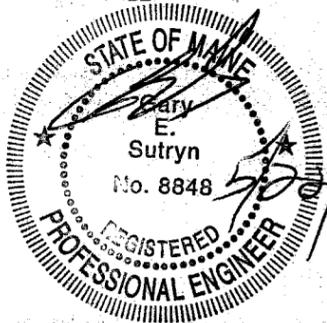


SECTION 'H-H'
2x SCALE
SHOWING PVC NOT ATTACHED TO BOX FRAME



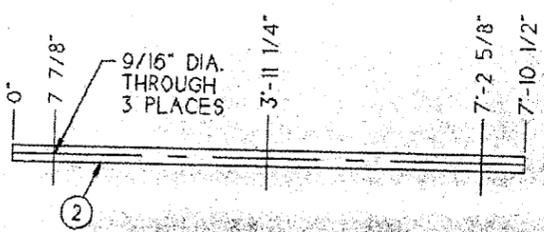
SECTION 'E-E'
2x SCALE

NOTES:
 1.) ALL TEST MOCK-UP METAL DETAILS AND SECTIONS SHOWN ON THIS DRAWING ARE NOT PART OF THIS PRODUCT APPROVAL. ACTUAL PROJECTS SHALL USE POCKET TUBES TO SUPPORT THE FABRIC AS SHOWN IN SECTION 'F-F'. THE SUPPORTING TUBE AND ALL OF THE HARDWARE AS WELL AS THE TENSION IN THE FABRIC SHALL BE DESIGNED BY A FLORIDA REGISTERED ENGINEER ON A CASE BY CASE BASIS AND REVIEWED BY THE CORRESPONDING BUILDING PLANS EXAMINER. THE TUBE SHALL BE CONTINUOUS.
 2.) THE MAXIMUM DESIGN TENSION IN FABRIC - 1800# / FT.
 3.) THE WIDTH OF THE FABRIC IS UNLIMITED.
 4.) THIS MEMBRANE FABRIC IS TESTED IN ACCORDANCE WITH THE FOLLOWING:
 PA201-94, IMPACT TEST, LARGE MISSILE
 PA203-94, CYCLIC WIND PRESSURE TEST

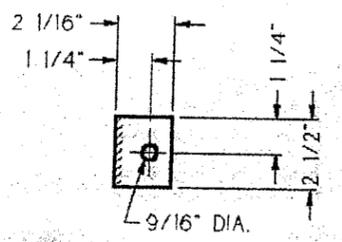


APPROVED AS COMPLYING WITH THE SOUTH FLORIDA BUILDING CODE
 DATE June 08 2000
 By Helmut A. Mahr
 PRODUCT CONTROL DIVISION
 BUILDING CODE COMPLIANCE OFFICE
 ACCEPTANCE NO. 98-1117-01

- NOTES:
 1.) BREAK SHARP CORNERS FOR PVC.
 2.) SEE DRAWING 11006 FOR GENERAL WELD NOTES.
 3.) BILL OF MATERIAL IS FOR ONE ASSEMBLY.
 4.) UNLESS DIMENSIONS ARE IN MILLIMETERS.
 5.) VENT FOR GALVANIZING AS REQUIRED.
 6.) Fy - 50 KSI MIN FORR A500B MATERIAL.



POCKET TUBE
2 REQUIRED PER PANEL



DETAIL ITEM 7
5x SCALE

ITEM	QTY.	DESCRIPTION	SPEC.
1	2	TS 6" x 4" x 3/16" x 15'-10 1/16"	A500B
2	2	TUBE 3" DIA. x 0.156" x 7'-10 1/2"	A500B
3	2	TS 10" x 4" x 1/4" x 9'-0 5/8"	A500B
4	2	FLAT 4" x 1/4" x 10"	A36
5	8	FLAT 5" x 1/4" x 11 13/16"	A36
6	8	FLAT 3" x 1/4" x 11 13/16"	A36
7	6	FLAT 2 1/2" x 3/8" x 2-1/16"	A36

PRODUCT RENEWED as complying with the Florida Building Code
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 Expiration Date 06/08/2008
 By Helmut A. Mahr
 Miami Dept. Product Control Division

NO.	DESCRIPTION	DATE	BY	APP.	DATE
D	INCREASED TEXT SIZE		AR	geg	7/15/00
C	ADDED NOTES, SECTION 'H-H' AND CHANGED DIMENSIONS TO FEET AND INCHES		AR		
B	ADDED FERRARI SPECIFICATIONS CHART		DFA	GES	12-9-98
A	GENERAL REVISIONS		DTM	GES	10-26-98

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RUBB
 BUILDING SYSTEMS
 8' x 16' TEST PANEL FRAME APPARATUS STEELWORK DETAILS
 Scale: 1:15
 Date: 5-8-98
 Drawing No: 98017
 Location: UAL MIA
 Phone No: 305-254-2577
 Fax No: 305-254-2570
 29810

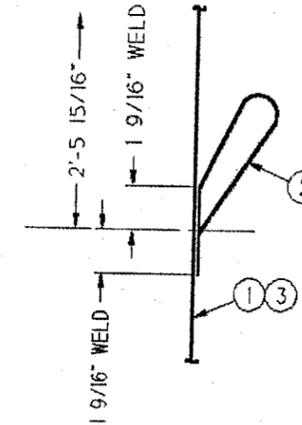
Handwritten: S. 24-00 #46888

CUTTING LIST

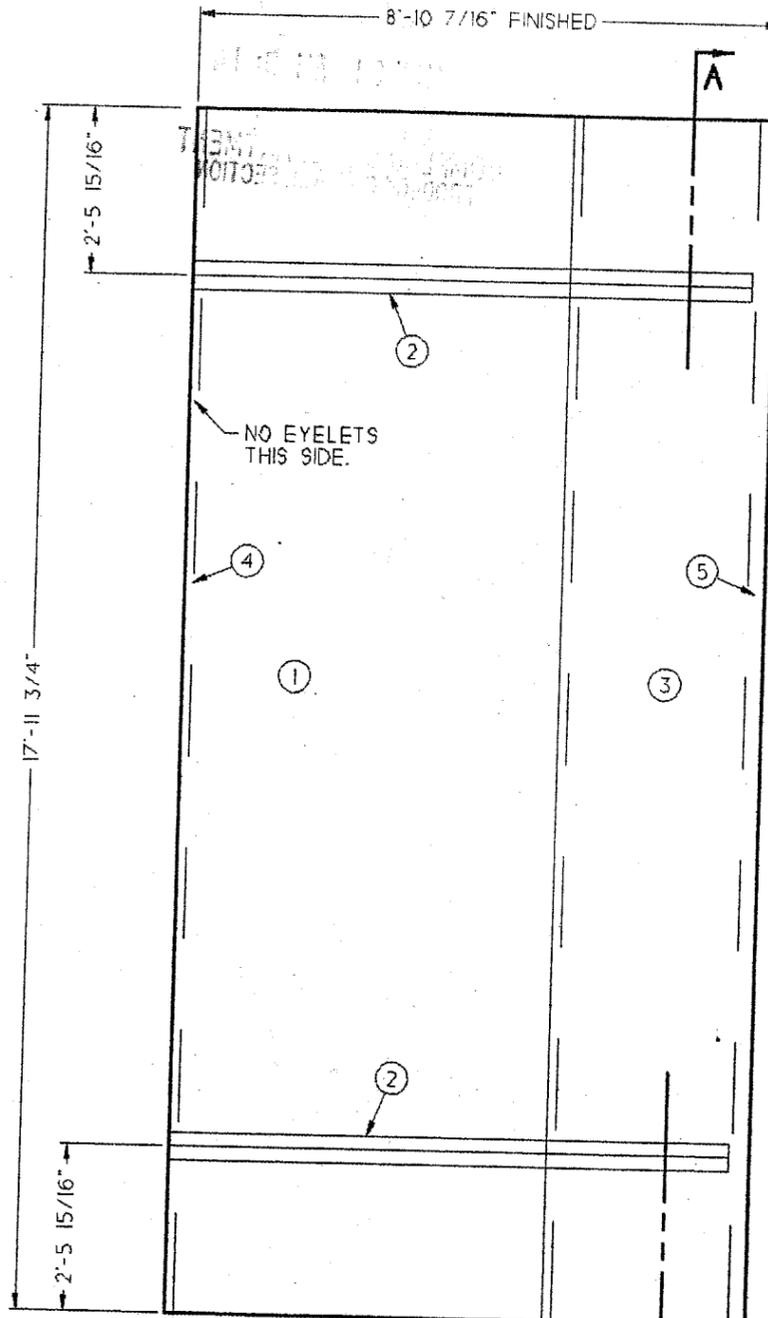
ITEM	QTY.	WIDTH	LENGTH	COLOR	MATERIAL	AREA
1	1	5'-10 7/8"	17'-11 3/4"	WHITE	NON-TED	106.2 sq. ft.
2	2	1'-10 1/16"	8'-6 1/2"	WHITE	NON-TED	15.7 sq. ft.
3	1	3'-1 3/16"	17'-11 3/4"	WHITE	NON-TED	55.7 sq. ft.
4	1	1 9/16"	17'-11 3/4"	WHITE	NON-TED	2.3 sq. ft.
5	1	3 1/8"	17'-11 3/4"	WHITE	NON-TED	4.7 sq. ft.
TOTAL COLOR						0.0
TOTAL WHITE						184.6 sq. ft.

NOTES:

- 1.) SEE FERRARI MANUFACTURER'S SPECIFICATIONS CHART ON THIS DRAWING FOR ALL PROPERTIES.
- 2.) ITEM 2 IS AN ANCHOR TUBE POCKET.
- 3.) CUTTING LIST IS FOR ONE PANEL.



DETAIL "A"
5x SCALE



SEE DETAIL "A"

OUTSIDE
INSIDE

80 STRIP FOR REINFORCING EDGE

FERRARI PRECONSTRAINT 1002T TENSIONED ARCHITECTURE TEXTILE FABRIC PER PRODUCT CONTROL APPROVAL #96-1126-16

FERRARI MANUFACTURER'S SPECIFICATIONS:

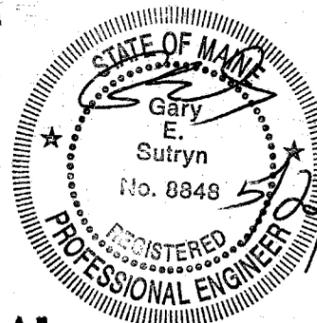
WIDTH:		7'
BASE FABRIC:	POLYESTER 1100 x 2/1100 Dtex	
COATING:	PVC	Anti UV - Anti-crypto
FINISHED COATED WEIGHT:	31	Oz/sqyd
COATED FABRIC THICKNESS:	.031	in.
GRAB TENSILE STRENGTH Method 5100:	Warp 735/Fill 705	lbs.
STRIP TENSILE STRENGTH Method 5102:	Warp 440/Fill 435	lbs./inch
TONGUE TEAR STRENGTH Method 5134:	Warp 115/Fill 105	lbs
TRAPEZOID TEAR STRENGTH Method 5136:	Warp 74/Fill 73	lbs
ADHESION (NFG 31107):	26	lbs/2"
COATING THICKNESS AT THE TOP OF THE YARNS	350	microns
FLAME RETARDENCY: NFPA 701/California State Fire Marshall/DIN 4102 B1 (Germany) BS 5438/5867 Part 2a & 2b (UK)/SIS 650082 (Scandinavia)/NF M2 (France)		

SEPARATE 1 9/16" STRIP WELDED CONTINUOUSLY ALONG EDGE.

SEPARATE 3 1/8" STRIP WELDED CONTINUOUSLY WITH TWO 40° WELDS ALONG EDGE.

VIEW ON INSIDE
SEE PACKING LIST FOR QUANTITY

SECTION "A-A"
NOTE POCKET ORIENTATION



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Miami Dade Product Control Division

REV.	DESCRIPTION	BY	DATE
H	INCREASED TEXT SIZE AND ADDED NOTE	AR	5/18/00
G	CHANGED DIMENSIONS TO FEET AND INCHES	AR	
F	MODIFIED NOTE 1 AND ADDED FERRARI SPECIFICATIONS CHART	DFA	GES 12-9-98
E	REVISED WORDING IN NOTE 1	DFA	GES 10-26-98
D	REPLACED RIGHT EYELET SEAM WITH 80 STRIP FOR REINFORCING EDGE	AR	GES 10-13-98
C	REMOVED LEFT EYELET. ADDED 40 STRIP MODIFIED RIGHT EYELET SEAM	MJG	GES 10-6-98
B	INCREASED SIZE OF ANCHOR TUBE POCKET AND ADJUSTED DIMENSION FOR LOCATION	AR	GES 8-3-98
A	INCREASED SIZE OF ANCHOR TUBE POCKET AND ADJUSTED DIMENSION FOR LOCATION	AR	GLJ 6-16-98

REV.	DESCRIPTION	BY	DATE
1	8' x 16' TEST PANEL PVC DETAILS		
GLJ	5-5-98	SCALE 1:15	
GES	5-8-98	98017	
		UAL MIA	
RUBB INC SANFORD FINE 04073 TEL 202-334-2677 FAX 202-334-2347			
			29811

Handwritten: 5-24-00 #46888