



MIAMI-DADE COUNTY, FLORIDA
METRO-DADE FLAGLER BUILDING

BUILDING CODE COMPLIANCE OFFICE
METRO-DADE FLAGLER BUILDING
140 WEST FLAGLER STREET, SUITE 1603
MIAMI, FLORIDA 33130-1563
(305) 375-2901 FAX (305) 375-2908

PRODUCT CONTROL NOTICE OF ACCEPTANCE

Rubb, Inc.
Old Airport Road
Sanford ME 04073

CONTRACTOR LICENSING SECTION
(305) 375-2527 FAX (305) 375-2558

CONTRACTOR ENFORCEMENT SECTION
(305) 375-2966 FAX (305) 375-2908

PRODUCT CONTROL DIVISION
(305) 375-2902 FAX (305) 372-6339

Your application for Product Approval of:

Ferrari Preconstraint 1002 T Tensioned Arch. Textile Fabric Membrane

under Chapter 8 of the Code of Miami-Dade County governing the use of Alternate Materials and Types of Construction, and completely described herein, has been recommended for acceptance by the Miami-Dade County Building Code Compliance Office (BCCO) under the conditions specified herein.

This approval shall not be valid after the expiration date stated below. BCCO reserves the right to secure this product or material at anytime from a jobsite or manufacturer's plant for quality control testing.

If this product or material fails to perform in the approved manner, BCCO may revoke, modify, or suspend the use of such product or material immediately. BCCO reserves the right to revoke this approval, if it is determined BCCO that this product or material fails to meet the requirements of the South Florida Building Code.

The expense of such testing will be incurred by the manufacturer.

Acceptance No.: 98-1117.01

Expires: 06/08/2003

Raul Rodriguez
Chief Product Control Division

THIS IS THE COVERSHEET, SEE ADDITIONAL PAGES FOR SPECIFIC AND GENERAL CONDITIONS

BUILDING CODE & PRODUCT REVIEW COMMITTEE

This application for Product Approval has been reviewed by the BCCO and approved by the Building Code and Product Review Committee to be used in Dade County, Florida under the conditions set forth above.

Francisco J. Quintana, R.A.
Director

Miami-Dade County
Building Code Compliance Office

Approved: 06/08/2000

1 of 3



Rubb, Inc.

ACCEPTANCE No. : 98-1117.01
APPROVED : JUN 0 8 2000
EXPIRES : JUN 0 8 2003

NOTICE OF ACCEPTANCE: SPECIFIC CONDITIONS

1. SCOPE

This approves Ferrari Preconstraint 1002 T Tensioned Architecture Textile Fabric Membrane, as described in Section 2 of this Notice of Acceptance, designed to comply with the South Florida Building Code, 1994 Edition for Miami-Dade County, for the locations where the pressure requirements, as determined by SFBC Chapter 23, do not exceed the Design Pressure Rating values indicated in the approved drawings.

2. PRODUCT DESCRIPTION

This Ferrari Preconstraint 1002 T Tensioned Architecture Textile Fabric Membrane and its components shall be constructed in strict compliance with the following documents: Drawing No. 29810, titled "8' x 16' Test Panel Frame Apparatus Steelwork Details", prepared by N Dennis Eryou, P.E., 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", prepared by N Dennis Eryou, P.E., dated May 8, 1998, last revision #F dated May 18, 2000, one sheet, bearing the Miami-Dade County Product Control Approval stamp with the Notice of Acceptance number and approval date by the Miami-Dade County Product Control Division. These documents shall hereinafter be referred to as the approved drawings.

3. LIMITATIONS

All permanent set components must be protected against corrosion, contamination and damage at all times.

4. INSTALLATION

This Ferrari Preconstraint 1002 T Tensioned Architecture Textile Fabric Membrane and its components shall be installed in strict compliance with the approved drawings.

5. LABELING

Each structure shall bear a permanent label with the manufacturer's name or logo, city, state and following statement: "Miami-Dade County Product Control Approved".

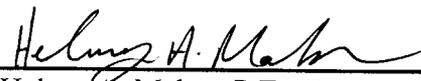
6. BUILDING PERMIT REQUIREMENTS

6.1 Application for building permit shall be accompanied by copies of the following:

6.1.1 This Notice of Acceptance.

6.1.2 Duplicate copies of the approved drawings, as identified in Section 2 of this Notice of Acceptance, clearly marked to show the components selected for the proposed installation.

6.1.3 Any other documents required by the Building Official or the South Florida Building Code (SFBC) in order to properly evaluate the installation of this system.



Helmy A. Makar, P.E.- Product Control Examiner
Product Control Division

Rubb, Inc.

ACCEPTANCE No. : 98-1117.01

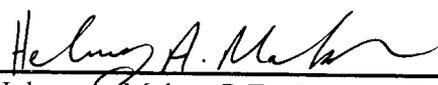
APPROVED : JUN 0 8 2000

EXPIRES : JUN 0 8 2003

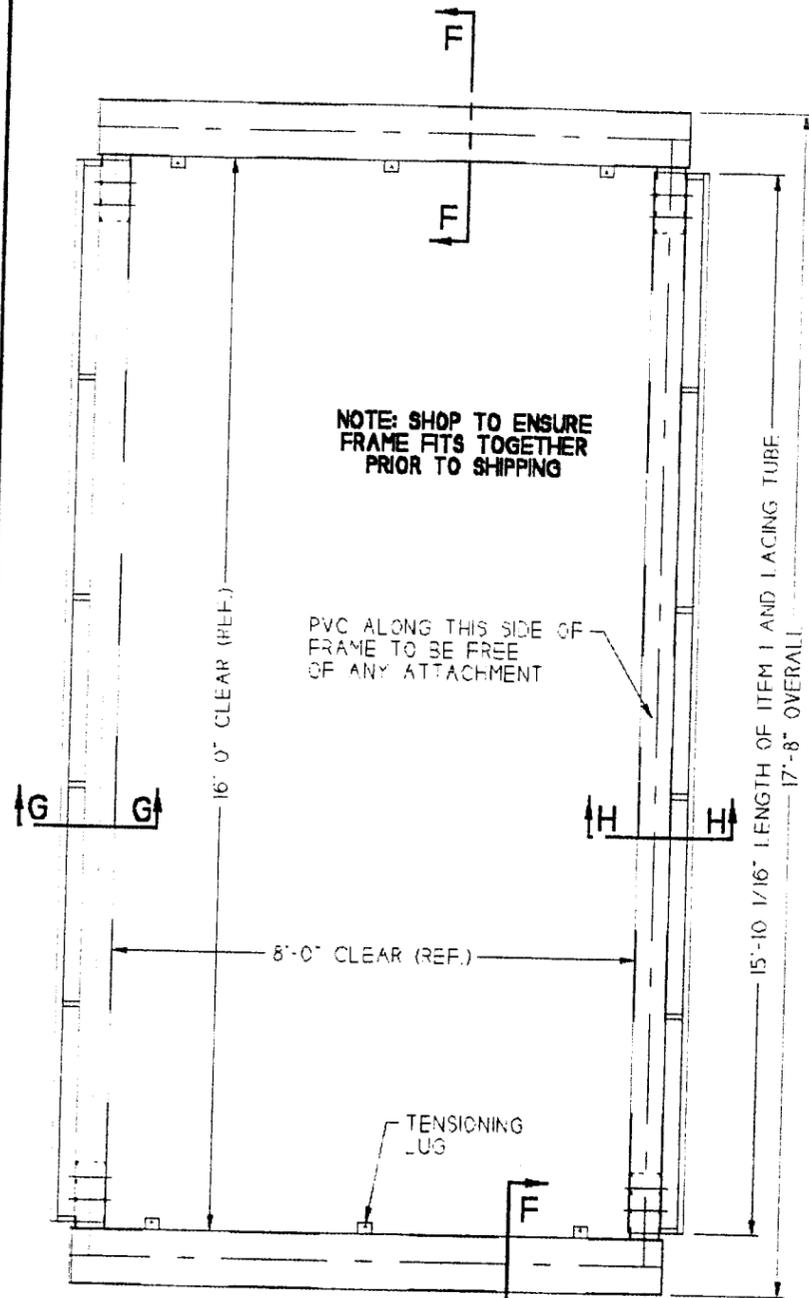
NOTICE OF ACCEPTANCE: STANDARD CONDITIONS

1. Renewal of this Acceptance (approval) shall be considered after a renewal application has been filed and the original submitted documents, including test-supporting data, engineering documents, are no older than eight (8) years.
2. Any and all approved products shall be permanently labeled with the manufacturer's name, city, state, and the following statement: "Miami-Dade County Product Control Approved", or as specifically stated in the specific conditions of this Acceptance.
3. Renewals of Acceptance will not be considered if:
 - a. There has been a change in the South Florida Building Code affecting the evaluation of this product and the product is not in compliance with the code changes.
 - b. The product is no longer the same product (identical) as the one originally approved.
 - c. If the Acceptance holder has not complied with all the requirements of this acceptance, including the correct installation of the product.
 - d. The engineer, who originally prepared, signed and sealed the required documentation initially submitted, is no longer practicing the engineering profession.
4. Any revision or change in the materials, use, and/or manufacture of the product or process shall automatically be cause for termination of this Acceptance, unless prior written approval has been requested (through the filing of a revision application with appropriate fee) and granted by this office.
5. Any of the following shall also be grounds for removal of this Acceptance:
 - a. Unsatisfactory performance of this product or process.
 - b. Misuse of this Acceptance as an endorsement of any product, for sales, advertising or any other purposes.
6. The Notice of Acceptance 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 Notice of Acceptance is displayed, then it shall be done in its entirety.
7. A copy of this Acceptance as well as approved drawings and other documents, where it applies, shall be provided to the user by the manufacturer or its distributors and shall be available for inspection at the job site at all time. The engineer needs not reseal the copies.
8. Failure to comply with any section of this Acceptance shall be cause for termination and removal of Acceptance.
9. This Notice of Acceptance consists of pages 1, 2 and this last page 3.

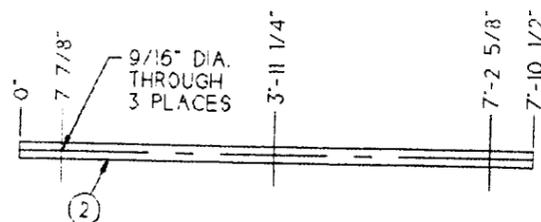
END OF THIS ACCEPTANCE



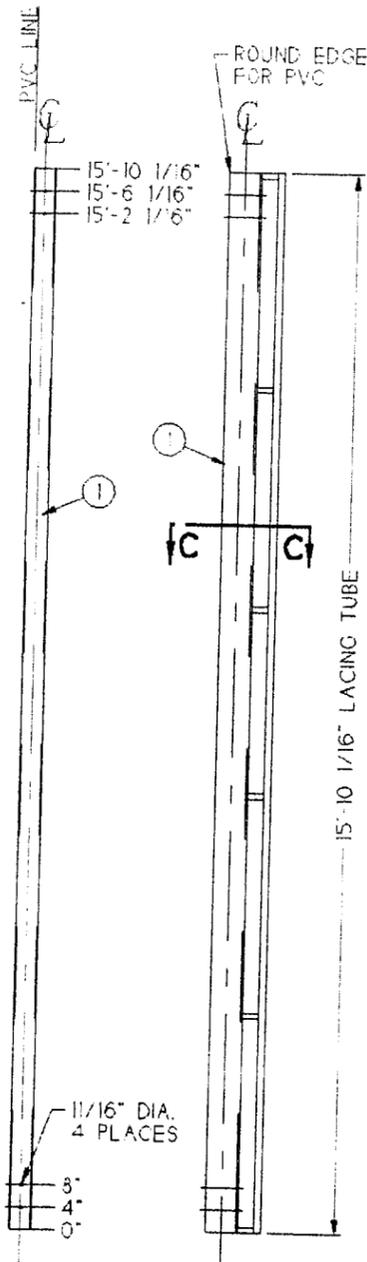
Helmy A. Makar, P.E.- Product Control Examiner
Product Control Division



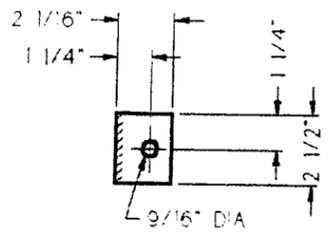
ASSEMBLY VIEW
VIEW ON INSIDE
1 REQUIRED AS SHOWN



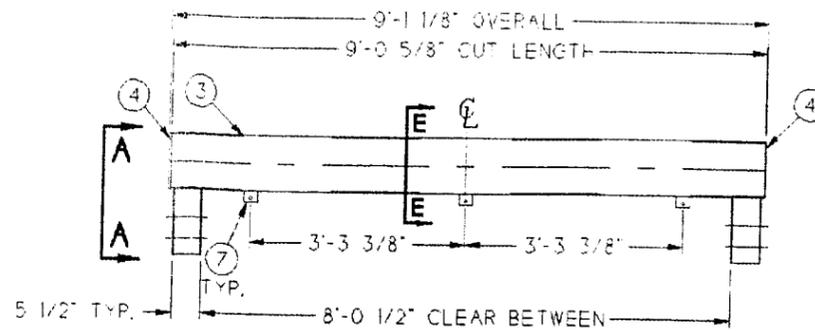
POCKET TUBE
2 REQUIRED PER PANEL



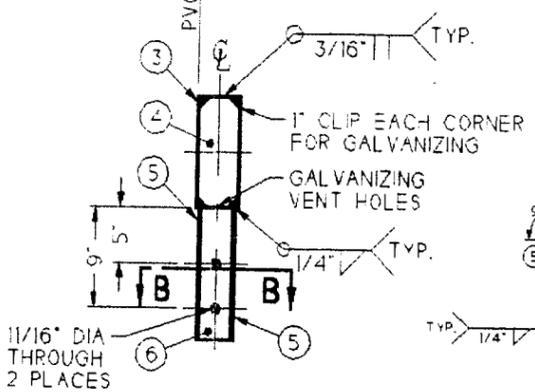
VERTICAL TRIMMER
2 REQUIRED AS SHOWN



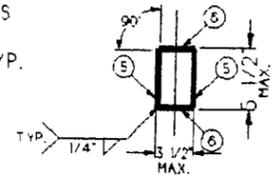
DETAIL ITEM 7
"52 LUG" - 5x SCALE



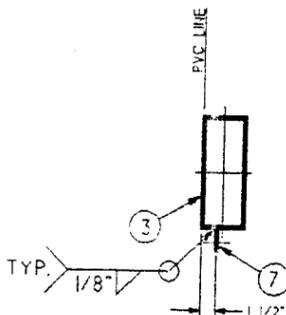
HORIZONTAL TRIMMER
2 REQUIRED AS SHOWN



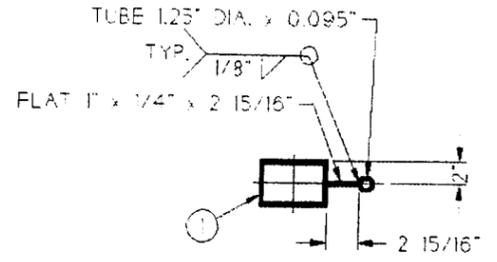
SECTION 'A-A'
2x SCALE



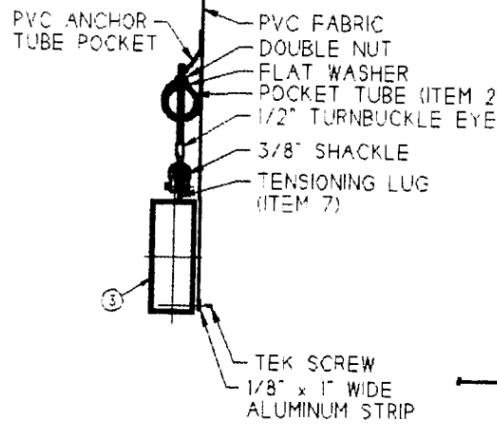
SECTION 'B-B'
2x SCALE



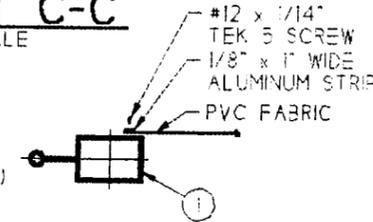
SECTION 'E-E'
2x SCALE



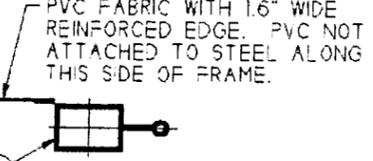
SECTION 'C-C'
2x SCALE



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

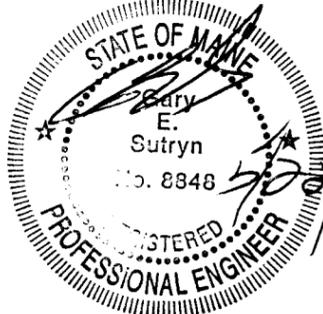


SECTION 'G-G'
SHOWING PVC CONTINUOUSLY AFFIXED TO BOX FRAME
2x SCALE



SECTION 'H-H'
SHOWING PVC NOT ATTACHED TO BOX FRAME
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 Barry E. Sutryn
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.

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	3	FLAT 5" x 1/4" x 11 13/16"	A36
6	3	FLAT 3" x 1/4" x 11 13/16"	A36
7	6	FLAT 2 1/2" x 3/8" x 2 1/16"	A36

REV	DESCRIPTION	DATE	APP.	DATE
D	INCREASED TEXT SIZE		AR	9/15/98
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

RUBB
BUILDING SYSTEMS
We Cover The World

8' x 16' TEST PANEL FRAME APPARATUS STEELWORK DETAILS

GLJ 5-5-98 1:15
GES 5-8-98 98017
DATE: UAL MIA

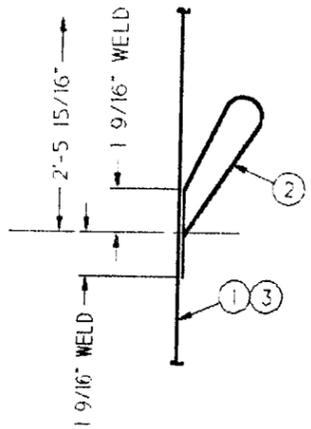
RUBB INC. 207-244-2877 FAX 207-244-2847 29310

S. 24-00
#46888

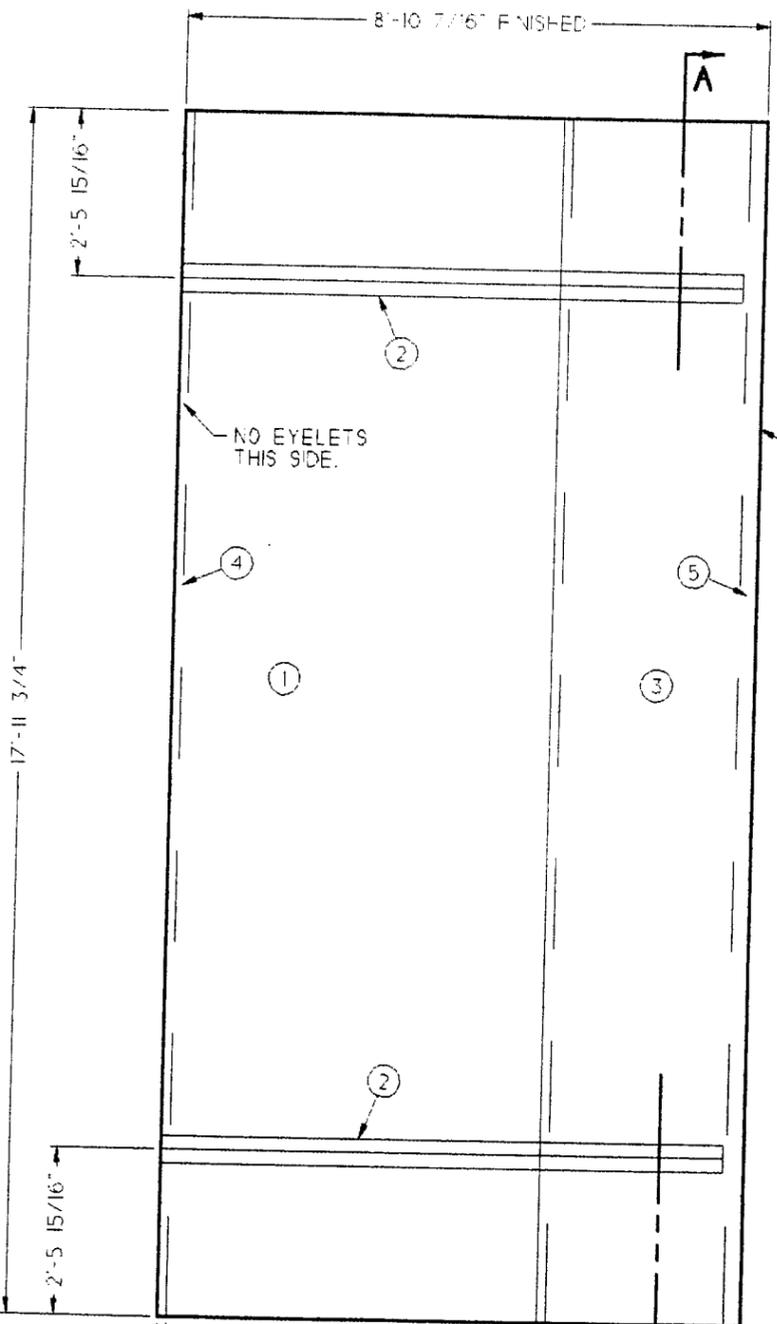
CUTTING LIST

ITEM QTY	WIDTH	LENGTH	COLOR/MATERIAL	AREA
1	5'-10 7/8"	17'-11 3/4"	WHITE NON-TED	06.2 sq. ft.
2	1'-10 1/16"	3'-6 1/2"	WHITE NON-TED	5.7 sq. ft.
3	3'-1 3/16"	17'-11 3/4"	WHITE NON-TED	55.7 sq. ft.
4	1 9/16"	17'-11 3/4"	WHITE NON-TED	2.3 sq. ft.
5	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 1902T TENSIONED ARCHITECTURE TEXTILE FABRIC PER PRODUCT CONTROL APPROVAL #96-1126-16

FERRARI MANUFACTURER'S SPECIFICATIONS:

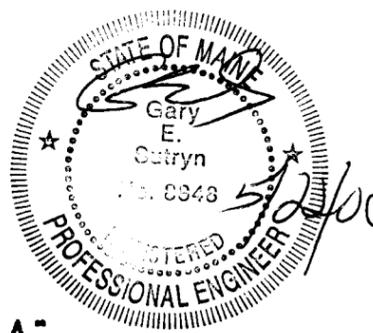
WIDTH:	17'
BASE FABRIC:	POLYESTER 1100 x 2/1100 D'ex
COATING:	PVC
FINISHED COATED WEIGHT:	31 Oz/sqyd
COATED FABRIC THICKNESS:	.031 in.
GRAB TENSILE STRENGTH Method 5100:	Warp 735/Fill 705 lbs.
STRIP TENSILE STRENGTH Method 5102:	Warp 440/Fill 435 lbs./inch
TONGUE TEAR STRENGTH Method 5134:	Warp 115/Fill 105 lbs
TRAPEZOID TEAR STRENGTH Method 5136:	Warp 74/Fill 73 lbs
ADHESION (MFG 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



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

REV	DESCRIPTION	ISSUED	APP.	DATE
H	INCREASED TEXT SIZE AND ADDED NOTE	AR	GES	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	3-3-98
A	INCREASED SIZE OF ANCHOR TUBE POCKET AND ADJUSTED DIMENSION FOR LOCATION	AR	GLJ	6-16-98

Handwritten: 5-24-00 #46888

We Cover The World
RUBB
 BUILDING SYSTEMS

8' x 16' TEST PANEL
 PVC DETAILS

GLJ 5-5-98 1:15
 GES 5-3-98 98017

DATE: JAL MIA

RUBB INC. SANFORD, MAINE 04083
 TEL: 207-354-2977 FAX: 207-354-2979

29811