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)

Sprung Instant Structures, Inc.
5711 West Damon Way
West Jordan, UT 84088

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: Premium Tedlar / Polyurethane Coated Architectural Fabric Membrane

APPROVAL DOCUMENT: Drawings No. P05064.0, P05064.1, & P05064.2, titled " Hurricane Test ", dated March 31, 2005, last revision #3 dated February 27, 2006, three sheets, prepared by Steven B. Brown, P.E., signed and sealed by Steven B. Brown, P.E., 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.

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 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.**

Helmy A. Makar
06/08/2006

NOA No 03-0407.04
Expiration Date: 06/08/2011
Approval Date: 06/08/2006

Sprung Instant Structures, Inc.

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

A. DRAWINGS

1. *Drawings No. P05064.0, P05064.1, & P05064.2, titled " Hurricane Test ", dated March 31, 2005, last revision #3 dated February 27, 2006, three sheets, prepared by Steven B. Brown, P.E., signed and sealed by Steven B. Brown, P.E.*

B. TESTS

1. *Test Report No. 0323-1208-03, dated February 18, 2004, prepared by Hurricane Test Laboratory, Inc., on Large Missile Impact Test, TAS 201, Cyclic Wind Pressure Test, TAS 203, and Static Wind Pressure Test, TAS 202, signed and sealed by Vinu J. Abraham, P.E.*

C. CALCULATIONS

1. *Calculations titled " Dade County Hurricane Testing Membrane Calculations " prepared by Steven B. Brown & Associate, dated May 24, 2005, 2 sheets, signed and sealed by Steven B. Brown, P.E.*

D. QUALITY ASSURANCE

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

E. MATERIAL CERTIFICATIONS

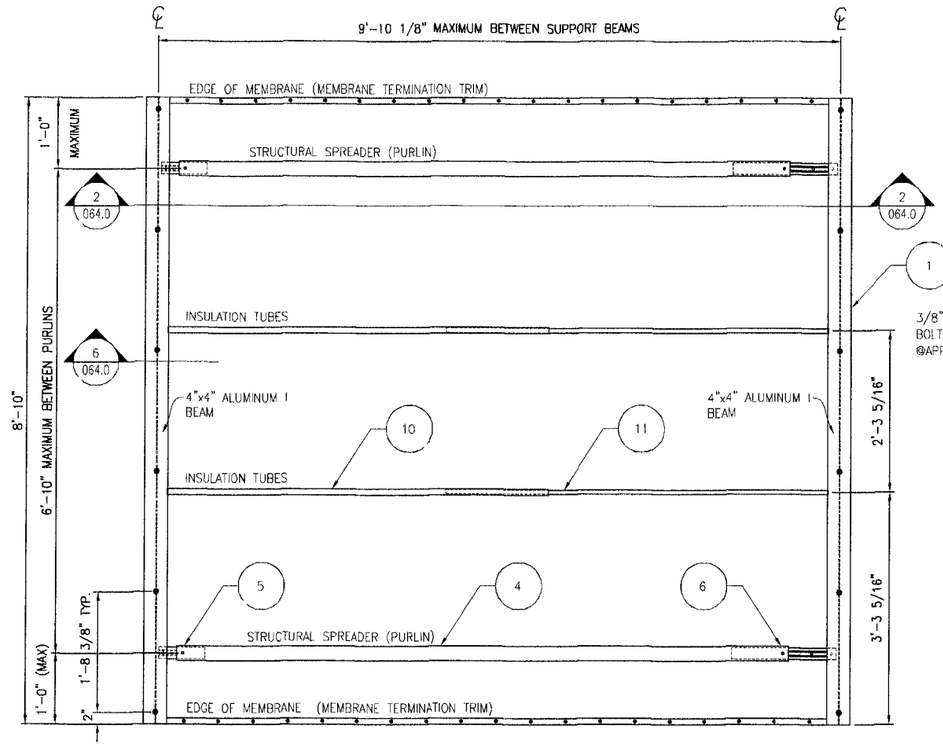
1. *See material Specifications on the approved drawings.*

Helmy A. Makar

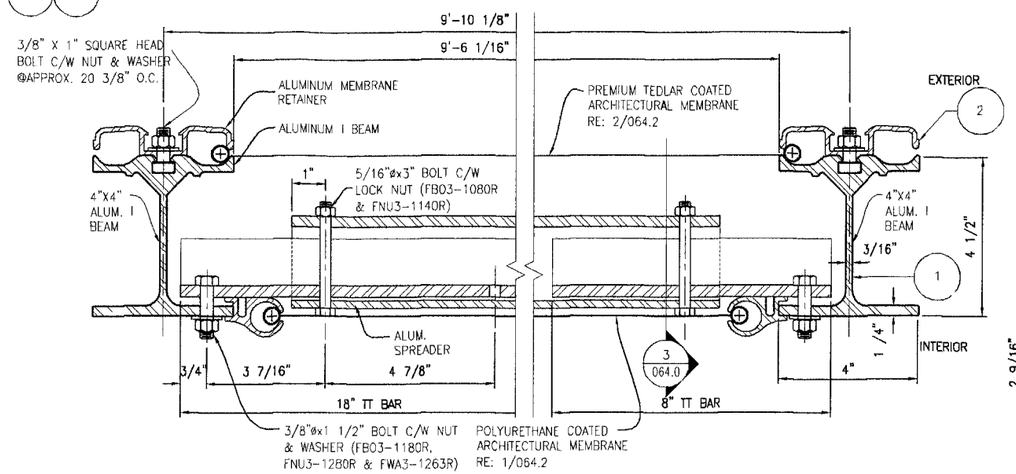
Helmy A. Makar, P. E.
Product Control Examiner
NOA No 03-0407.04
Expiration Date: 06/08/2011
Approval Date: 06/08/2006

NOTES:

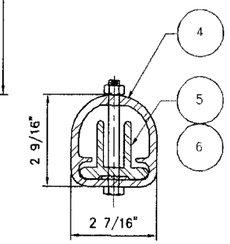
1. THE I BEAM AND THE SPREADER DETAILS SHOWN ON THIS DRAWING ARE THE MINIMUM SIZES AND THEIR DESIGN AND STRUCTURAL ADEQUACY ARE NOT PART OF THIS "NOTICE OF ACCEPTANCE". THE I BEAM AND SPREADER DETAILS SHALL BE REVIEWED FOR EACH JOB BY THE CORRESPONDING BUILDING DEPARTMENT.
2. THE LENGTH OF THE FABRIC PARALLEL TO THE 4"X4" ALUMINUM I BEAMS IS UNLIMITED.
3. MAXIMUM FABRIC SPAN BETWEEN THE 4"X4" ALUMINUM I BEAMS IS 9'-10 1/8".
4. THE SPREADERS/PURLINS DO NOT PROVIDE STRUCTURAL SUPPORT OF THE FABRIC.
5. DESIGN TENSION FOR SEAMAN FABRIC; 100 LB/IN.
   BASED ON LOAD AND RESISTANCE FACTOR DESIGN WITH A STRENGTH REDUCTION FACTOR = 0.5 APPLIED TO STRIP TENSILE STRENGTH.
6. DESIGN TENSION FOR COOLEY FABRIC;
   BASED ON LOAD AND RESISTANCE FACTOR DESIGN WITH A STRENGTH REDUCTION FACTOR = 0.5 APPLIED TO STRIP TENSILE STRENGTH.



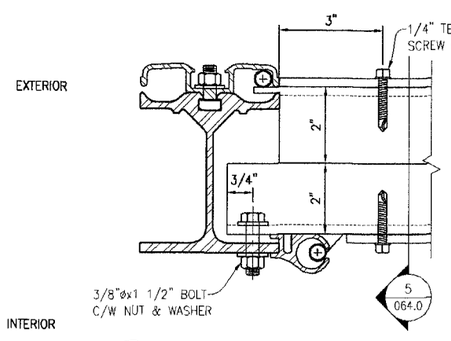
1 064.0 ALUMINUM FRAME – PLAN VIEW 1"=1'-0"



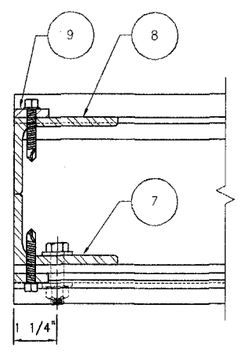
2 064.0 4"x4" SPREADER – SECTION 6"=1'-0"



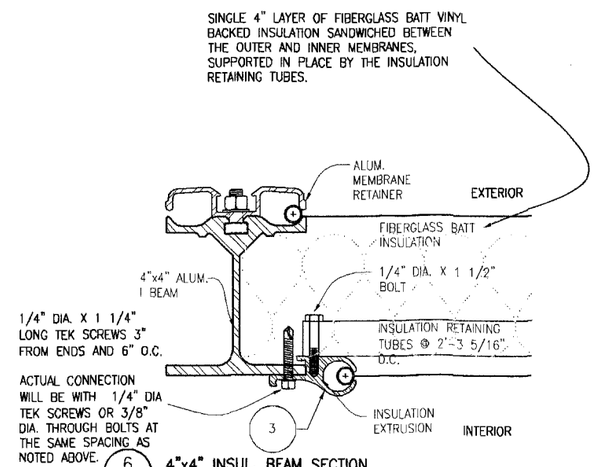
3 064.0 4"x4" SPREADER – SECTION 6"=1'-0"



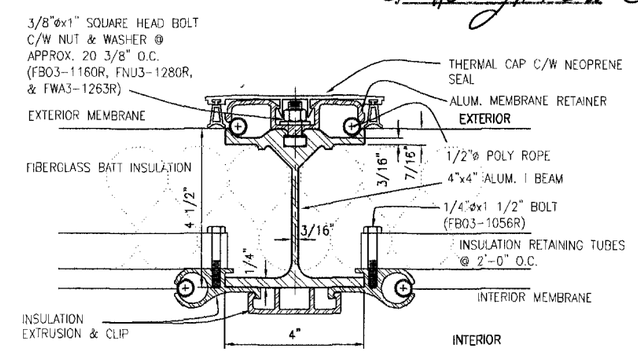
4 064.0 4"x4" END CONNECTION–ELEV 6"=1'-0"



5 064.0 4"x4" END CONNECTION–SECT. 6"=1'-0"



6 064.0 4"x4" INSUL. BEAM SECTION 6"=1'-0"



7 064.0 4"x4" BEAM SECTION – INSULATED 6"=1'-0"

7/064.0 SHOWS THE ACTUAL CONDITION FOR 6/064.0

DETAIL SHOWS ACTUAL CONNECTION DETAIL AT INTERIOR FABRIC RETAINING EXTRUSION. EXTRUSION RETAINING CLIPS ARE NOT A PART OF THE TEST FRAME ASSEMBLY. FOR THE TEST FRAME ASSEMBLY TEK SCREWS ARE PROVIDED PER 6/064.0

THE THERMAL CAP WITH NEOPRENE SEAL IS ALSO NOT A PART OF THE TEST FRAME ASSEMBLY.

Approved as complying with the Florida Building Code
Date 06/08/2006
NOA# 03-0407.04
Miami Dade Product Control Division
By Helmy H. Mekar

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MATERIALS

ALUMINUM 6351-T6, 6061-T6

BOLTS SAE GRADE 5

Steven D Brown 3/9/06

SIGNATURE SERIES

REV.	DATE	DESCRIPTION
3.	2/27/06	GENERAL REVISION
2.	4/6/05	GENERAL REVISION

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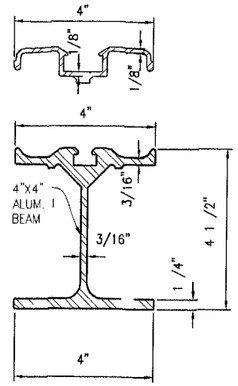
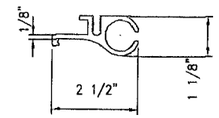
HURRICANE TEST

8.8' x 9.8'
4"x4" BEAM PANEL

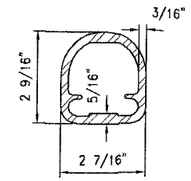
DRAWN M.PERRY	DATE 03/31/2005
CHECKED	APP'D
SCALE AS NOTED	DRAWING # P05064.0
CUST.APP'L	



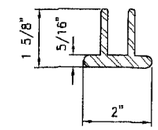
4X4 BEAM W/EXTERIOR FABRIC RETAINING EXTRUSION



INTERIOR FABRIC RETAINING EXTRUSION



SPREADER



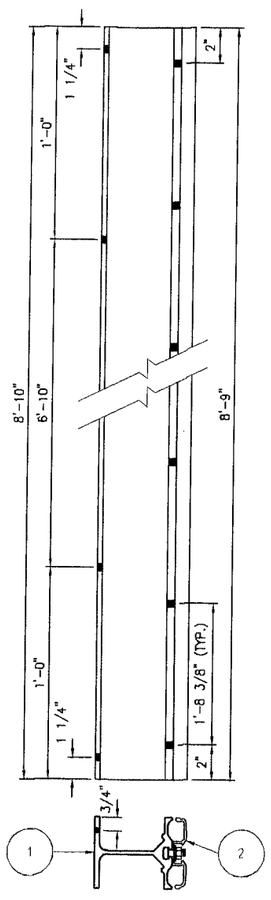
TEE BAR

BILL OF MATERIAL (B.O.M.)

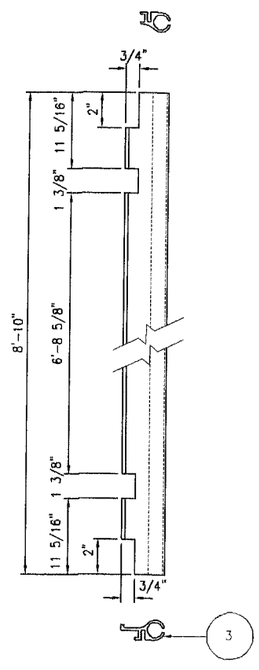
*FL = FLAT BAR

ITEM	QTY	DESCRIPTION	SPECIFICATIONS
1	2	4"x4" ALUM. I BEAM	6351-T6
2	2	ALUM. MEMBRANE RETAINER	6351-T6
3	2	INTERIOR LINER EXTRUSION	6351-T6
4	2	SS5-5630 SMALL HEAVY WALL PURLIN	6351-T6
5	2	ATS1-1860 8" SMALL MULTI TT-BAR	6351-T6
6	2	ATS1-1860 18" SMALL MULTI TT-BAR	6351-T6
7	2	L 1/4"x2"x3"x9'-7 5/8"	6061-T6
8	2	L 1/4"x2"x3"x9'-7 5/8" (3/4" COPE)	6061-T6
9	4	FL 1/4"x1"x9'-6"	6061-T6
10	2	ALUM. SQUARE TUBE 1/8"x1"x1"x5'-6"	6061-T6
11	2	ALUM. SQUARE TUBE 1/8"x3/4"x3/4"x5'-6"	6061-T6

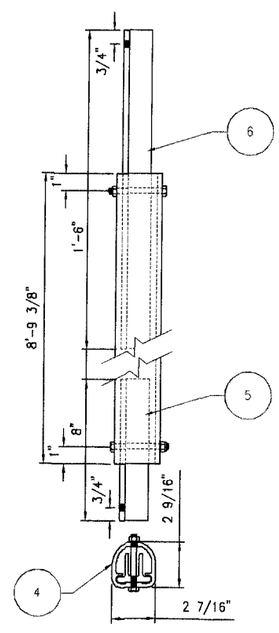
Approved as complying with the Florida Building Code
Date 06/08/2006
NOA# 03-0407.04
Miami Dade Product Control Division
By Helmy A. Mehr



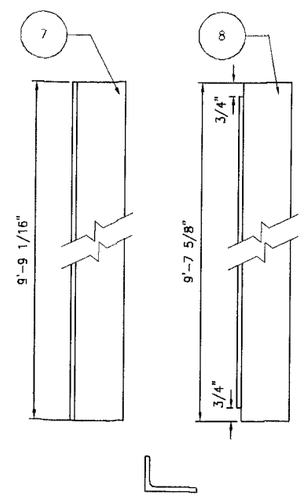
1 064.1 BEAM
NTS



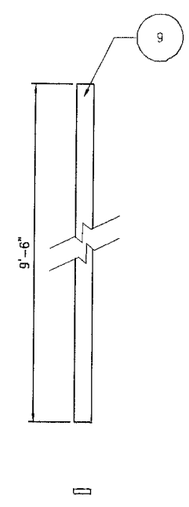
2 064.1 INTERIOR LINER EXTRUSION
NTS



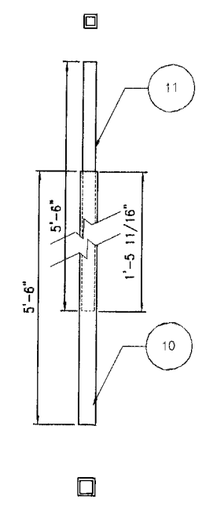
3 064.1 SMALL SPREADER
NTS



4 064.1 ANGLE
NTS



5 064.1 FLAT BAR
NTS



6 064.1 INSULATION TUBES
NTS

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3/9/06

SIGNATURE SERIES

REV.	DATE	DESCRIPTION
3.	2/27/06	GENERAL REVISION
2.	4/6/05	GENERAL REVISION

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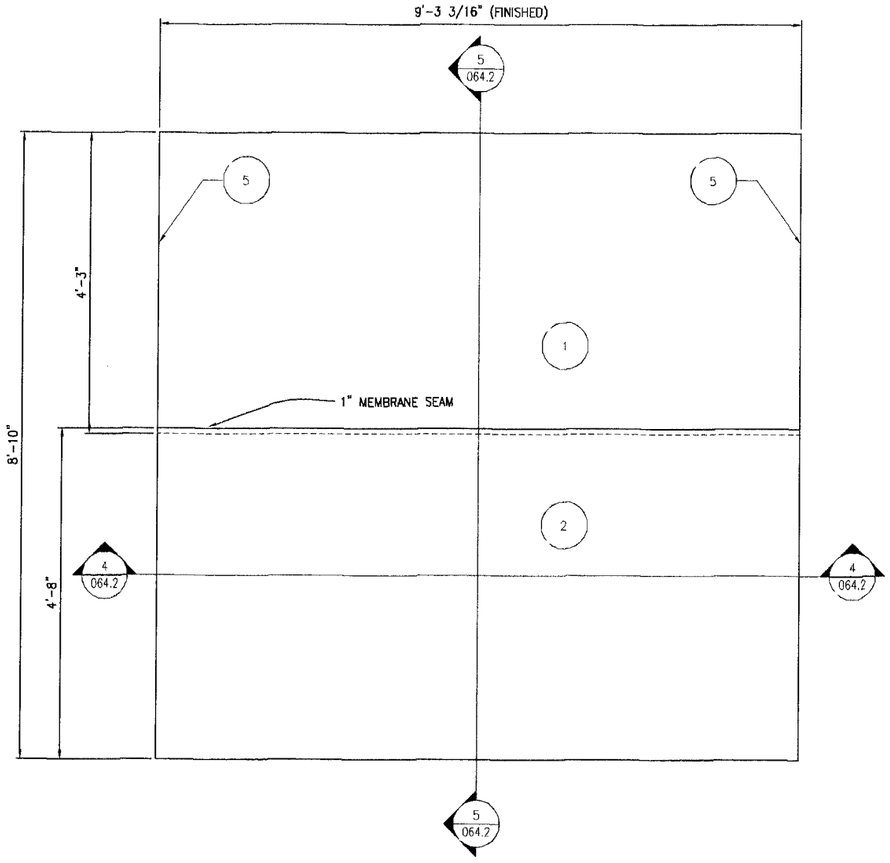
HURRICANE TEST

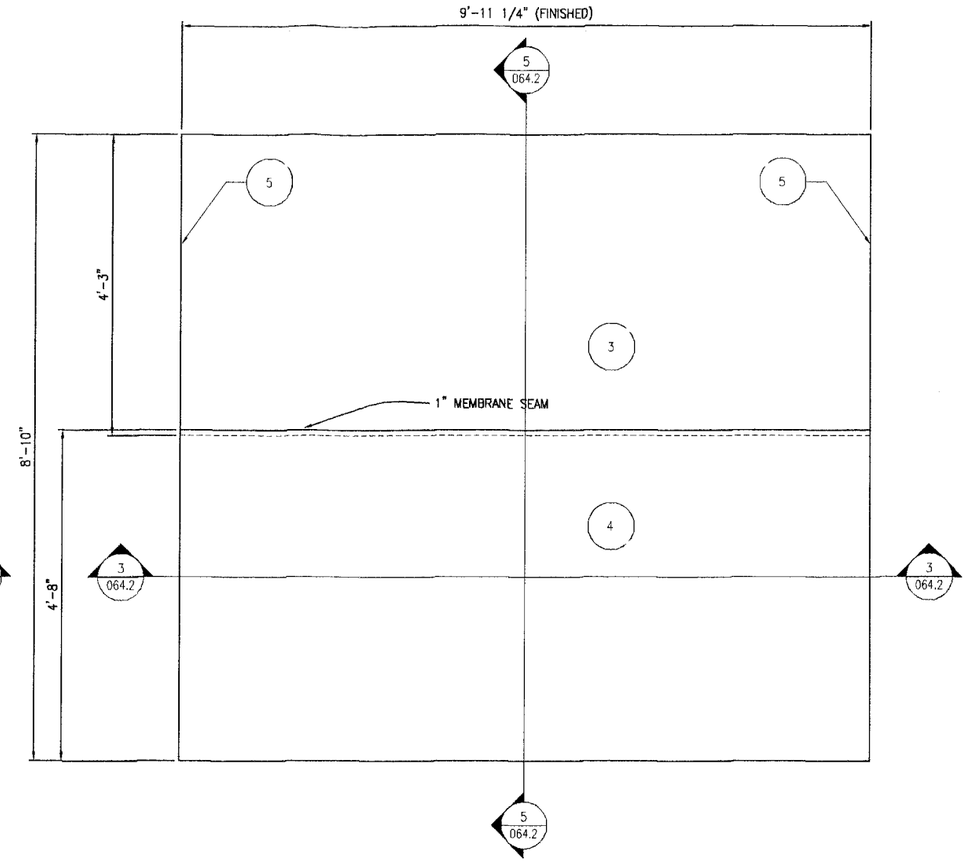
8.8' x 9.8'
FABRICATION & B.O.M.

DRAWN M.PERRY	DATE 03/31/2005
CHECKED	APP'D
SCALE AS NOTED	DRAWING # P05064.1
CUST.APP'L	

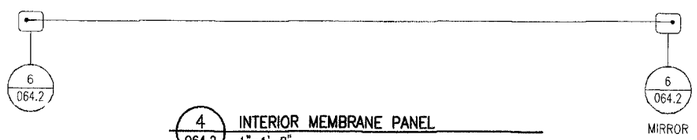


1 064.2 INTERIOR MEMBRANE PANEL
1"=1'-0"

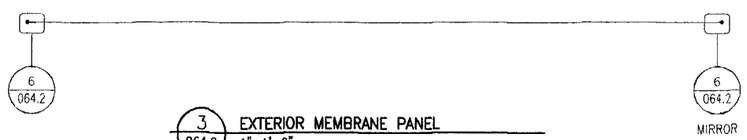
ALL FABRIC SEAMS ARE HEAT SEALED



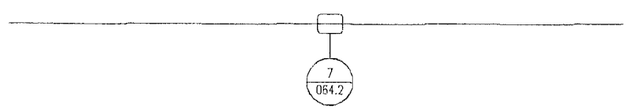
2 064.2 EXTERIOR MEMBRANE PANEL
1"=1'-0"



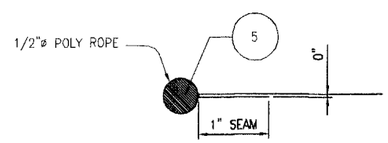
4 064.2 INTERIOR MEMBRANE PANEL
1"=1'-0"



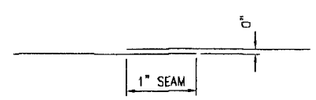
3 064.2 EXTERIOR MEMBRANE PANEL
1"=1'-0"



5 064.2 EXTERIOR/INTERIOR MEMBRANE PANEL
1"=1'-0"



6 064.2 EXTERIOR/INTERIOR MEMBRANE ROPED EDGE
12"=1'-0"



7 064.2 EXTERIOR/INTERIOR MIDDLE SEAM
12"=1'-0"

EXTERIOR MEMBRANE

PREMIUM TEDLAR ARCHITECTURAL MEMBRANE (SEAMAN CORP.)

SCRIM TYPE	POLYESTER
SCRIM WEIGHT	3.2 oz/sq.yd (+2 -1)
FINISH COATED WEIGHT METHOD 5041	24.0 oz/sq. yd (+2 -1)
SURFACE PROTECTION	TEDLAR PVF FILM
TONGUE TEAR METHOD 5134 8"x10" sample size	110/110 lbs
TRAPEZOID TEAR METHOD 5136	35/40 lbs
GRAB TENSILE METHOD 5100	260/260 lbs
STRIP TENSILE METHOD 5102	200/200 lbs./in.
HYDROSTATIC RESISTANCE METHOD 5512	350 psi
DEAD LOAD ROOM TEMPERATURE 160°F/71°C.	1-1/2" seam 100 lbs 50 lbs
COLD CRACK MIL-C-20696C LTC Para. 4.4.6.	PASS -40°F
FLAME RESISTANCE METHOD 5903 FR	Pass 2 second flameout Calif. Fire Marshal Req. UL214. NFPA-701
WICKING	1/8" maximum

INTERIOR MEMBRANE

PVC COATED ARCHITECTURAL MEMBRANE (COOLEY CORP.)

SCRIM TYPE	POLYESTER
SCRIM WEIGHT	2.35 oz/sq.yd (+2 -1)
FINISH COATED WEIGHT METHOD 5041	14.0 oz/sq. yd
SURFACE PROTECTION	PVF FILM
TRAPEZOID TEAR METHOD 5136	35 lbs
GRAB TENSILE METHOD 5100	200/175 lbs
STRIP TENSILE METHOD 5102	100/100 lbs./in.
HYDROSTATIC RESISTANCE METHOD 5512	175 psi
SEAM STRENGTH	100/100 lbs/in
LOW TEMPERATURE	PASS -65°F
HIGH TEMPERATURE CONT/INTERM	PASS 100/200 °F
FLAME RESISTANCE METHOD 5903 FR	Pass 2 second flameout NFPA-701 large scale
WICKING	1/8" maximum

Approved as complying with the Florida Building Code
Date 06/08/2006
NOA# 03-0407.04
Miami Dade Product Control Division
By Helmy A. Melek

ITEM	QTY	DESCRIPTION	SPECIFICATIONS
1	1	INTERIOR MEMBRANE (9'-3 3/16"x4'-3")	COOLEY SPECS
2	1	INTERIOR MEMBRANE (9'-3 3/16"x4'-8")	COOLEY SPECS
3	1	EXTERIOR MEMBRANE (9'-11 1/4"x4'-3")	SEAMAN SPECS
4	1	EXTERIOR MEMBRANE (9'-11 1/4"x4'-8")	SEAMAN SPECS
5	4	1/2"ø POLY ROPE	NONE

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Steven B Brown 3/9/06

SIGNATURE SERIES

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HURRICANE TEST

8.8' x 9.8'
MEMBRANE DETAILS

DRAWN M.PERRY	DATE 03/31/2005
CHECKED	APP'D
SCALE AS NOTED	DRAWING # P05064.2
CUST.APP'L	