



**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)

**Pacific Echo, Inc.
23540 Telo Avenue.
Torrance, CA 90505**

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 Florida Building Code Including the High Velocity Hurricane Zone.

DESCRIPTION: Spiralite Spa Flex Hose.

APPROVAL DOCUMENT: Drawing No.710, Sheets No. 1, titled "Spiralite Spa Flex," dated 03/18/99, prepared by Pacific Echo Inc., bearing the Miami-Dade County Product Control Renewal stamp with the NOA number and expiration date by the Miami-Dade County Product Control Division.

MISSILE IMPACT RATING: None

LABELING: Each unit shall bear a permanent label with the manufacturer's name or logo, city, state and following statement: "Miami-Dade County Product Control Approved or MDCPCA", 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 renews NOA # 02-0103.01 consists of this page evidence page as well as approval document mentioned above. The submitted documentation was reviewed by **Candido F. Font PE.**



[Handwritten Signature]
12/14/06

**NOA No: 06-1004.03
Expiration Date: February 01, 2012
Approval Date: December 14, 2006
Page 1**

Pacific Echo, Inc.

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

A. DRAWINGS

1. Drawing No.710, Sheets No. 1, titled "Spiralite Spa Flex," dated 03/18/99, prepared by Pacific Echo, Inc.

B. TESTS

N/A

C. CALCULATION

N/A

D. MATERIAL CERTIFICATIONS

1. National Sanitary Foundation Service Listing under Standard 50, issued on 11/03/06
2. IAPMO Certificate of Listing under IAPMO PS 33-05, issued on June 2006 and signed by R. Chaney.

E. STATEMENTS

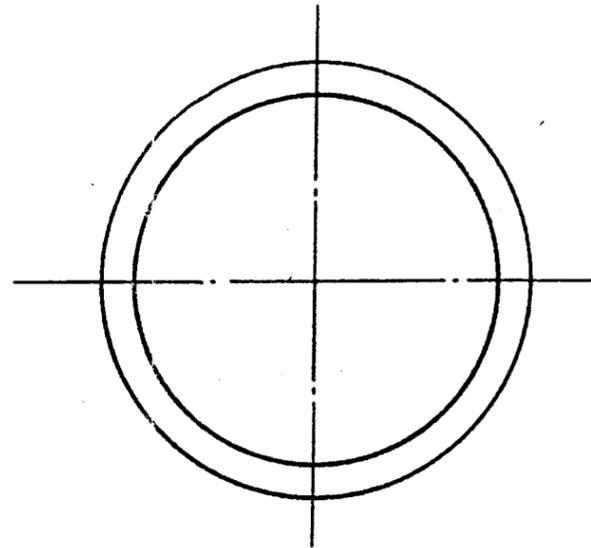
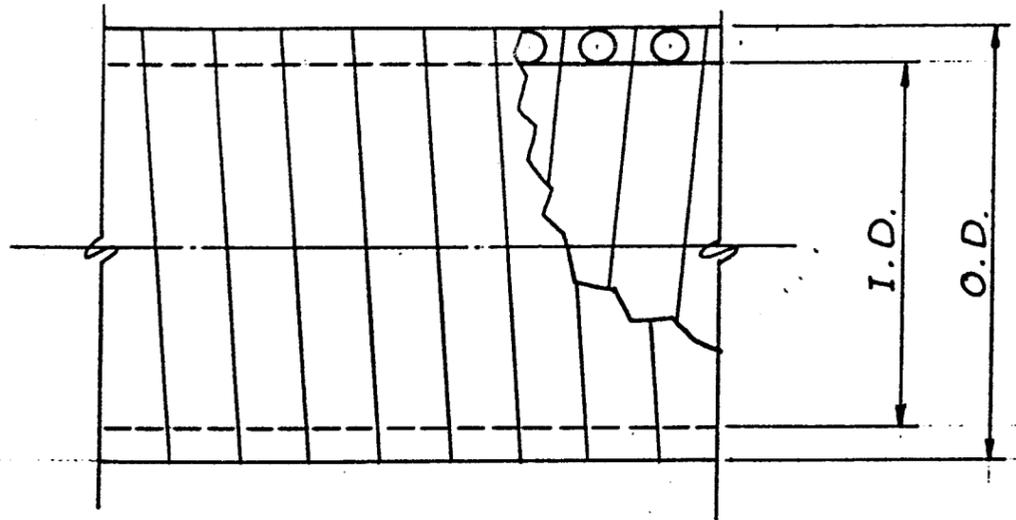
1. No change letter issued by Pacific Echo, Inc. on 11/03/06 and signed by T. Ogami.



12/14/06

Candido F. Font PE.
Sr. Product Control Examiner
NOA No 06-1004.03
Expiration Date: February 01, 2012
Approval Date: December 14, 2006

SPIRALITE SPA FLEX HOSE



DESCRIPTION

Pacific Echo, Inc.'s Spiralite Spa-Flex is a flexible polyvinyl chloride (PVC) suction and discharge hose used in circulating systems. The composition of the hose consists of a wall of flexible PVC compound and a rigid PVC helix reinforcement, which is a supporting member for pressure. The soft compound and rigid helix are co-extruded simultaneously through a cross-head. Spa-Flex hose meets IAPMO Standard PS 33-90 & NSF Standard 50 & 61.

| NOMINAL I.D. SIZE | INCH | 1/2" | 3/4" | 1" | 1 1/4" | 1 1/2" | 2" |
|---------------------------|------|-------|-------|-------|--------|--------|-------|
| O.D. | INCH | 0.840 | 1.050 | 1.315 | 1.660 | 1.900 | 2.375 |
| WORKING PRESSURE AT 70° F | PSI | 100 | 100 | 100 | 80 | 65 | 60 |
| DESIGN B.P. AT 70° F | PSI | 400 | 400 | 355 | 250 | 200 | 175 |
| APPROX. B.P. AT 140° F | PSI | 180 | 180 | 180 | 120 | 100 | 90 |

06-100403
02/1/12

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| FOR OFFICE USE PRODUCT RENEWED | APPROVED AS COMPLYING WITH THE SOUTH FLORIDA BUILDING CODE | PACIFIC ECHO, INC. |
| | ACCEPTANCE No. 02-0103.01 | DATE APRIL 22 1999 |
| EXPIRATION DATE 02/07 | BY | SPIRALITE SPA-FLEX |
| By | PRODUCT CONTROL DIVISION | DRAWING SHEET NUMBER 710 |
| PRODUCT CONTROL DIVISION BUILDING CODE COMPLIANCE OFFICE | BUILDING CODE COMPLIANCE OFFICE | DRAWING REVISION NUMBER 1 DATE 3/18/99 |
| | ACCEPTANCE NO. 99-0122-06 | DRAWN HIRANO |