NOTICE OF ACCEPTANCE (NOA)

Solatube International Inc.
2210 Oak ridge Way.
Vista, CA 92081

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: Dome Skylights

APPROVAL DOCUMENT: Drawing # W04-65, titled "Dome Skylights", sheets No 1 through 10 of 10, prepared by Al-Farooq Corporation dated 07/16/04 with last revision on 12/03/04 bearing the Miami-Dade County Product Control Revision stamp with the Notice of Acceptance number and expiration date by the Miami-Dade County Product Control Division.

MISSILE IMPACT RATING: Large & Small Missile Impact

LABELING: Each unit 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 and the dome shall be properly marked by the manufacturers of Implex Acrylic, Atofina Chemical, Inc.

RENEWAL of this NOA shall not 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 revises NOA # 03-0812.04 It consists of this page, evidence page and approval document mentioned above.

The submitted documentation was reviewed by Candido F. Font, P.E.

01/20/05

NOA No. 03-1016.01
Expiration Date: November 13, 2009
Approval Date: January 20, 2005
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NOTICE OF ACCEPTANCE:  EVIDENCE PAGE

A. DRAWINGS
1. Drawing prepared by Al-Farooq Corporation, titled “Dome Skylights”, drawing number W04-65, dated 07/16/04, with last revision on 12/03/04, sheet 1 through 10 of 10, signed and sealed by H. Farooq, PE.

B. TEST REPORTS
1. Test report on Large Missile Impact Test per TAS 201, Cyclic Wind Pressure Test per TAS 203 and Uniform Static Air Pressure Test per TAS 202 on “21” SolaMaster Series Tubular Daylight Devices (TDD), test # 47476.01-301-18 prepared by Architectural Testing on dated 08/19/04, revised on 12/08/04, signed and sealed by J. A. Reed, PE.
2. Test report on Large Missile Impact Test per TAS 201, Cyclic Wind Pressure Test per TAS 203 and Uniform Static Air Pressure Test per TAS 202 on 14” Brighten Up Series tubulat Daylight Device (TDD) test # 50356.01-301-18, prepared by Architectural Testing, date on 08/09/04, revised on 12/08/04, signed and sealed by J. A. Reed PE.

C. CALCULATIONS
1. Anchor calculations, dated 09/27/04, pages C1 through C10, prepared by Al-Farooq Corporation, signed and sealed by H. Farooq, PE.

D. STATEMENTS
1. Letter of Test compliance issued by Al-Farooq Corporation, on 08/31/04, signed and sealed by H. Farooq, PE.
2. Letter of No-financial interest issued by Al-Farooq Corporation, dated 08/31/04, signed and sealed by H. Farooq, PE.
3. Test Compliance letter issued by Architectural Testing, on 08/20/04, signed and sealed by J. A. Reed PE.
4. Test compliance letter issued by Architectural Testing on 08/11/04 and signed and sealed by J. A. Reed, PE.

Candido F. Font, P. E.
Senior Product Control Examiner
NOA No. 03-1016.01
Expiration Date: November 13, 2009
Approval Date: January 20, 2005

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DOME SKYLIGHTS GENERAL NOTES

1. SKYLIGHTS RATED FOR LARGE MISSILE IMPACT AND REQUIRE NO SHUTTERS.

2. THIS PRODUCT HAS BEEN DESIGNED AND TESTED TO COMPLY WITH THE REQUIREMENTS OF THE FLORIDA BUILDING CODE INCLUDING HIGH VELOCITY HURRICANE ZONE.

3. ROOF DECK BY OTHERS, ALL ROOF DETAILS SHALL COMPLY WITH CHAPTER 15 OF THE FLORIDA BUILDING CODE.

4. ANCHORS TO BE MADE OF NON-CORROSIVE MATERIAL, COMPATIBLE WITH ALUMINUM.

5. ANCHORING OR LOADING CONDITIONS NOT SHOWN IN THESE DETAILS ARE NOT PART OF THIS APPROVAL.

6. A 3% INCREASE IN ALLOWABLE STRESS WAS USED IN DESIGN OF ANCHORS.

7. DISTANCE FROM SCREW TO EDGE OF WOOD/PLYWOOD TO BE 1 IN. MIN.

8. SKYLIGHTS SHALL BE INSTALLED AS PER MANUFACTURER'S INSTALLATION INSTRUCTIONS.

9. SKYLIGHTS SHALL BE INSTALLED TO PROVIDE 4" MIN. CLEARANCE ABOVE FINISH ROOF SURFACE WITHOUT INSULATION, FOR INSULATION AND TILE ROOF ADD TILE HEIGHT AND INSULATION THICKNESS TO 4" MIN. HEIGHT.

10. POLYURETHANE SEALANT MUST BE APPLIED TO ALL FLASHING AND TURRET SCREW HEADS.
SECTION UNDER ROOF RATER IS SHOWN FOR ILLUSTRATION.
PURPOSED ONLY, NOT PART OF THIS APPROVAL.
SECTION UNDER ROOF Rafter IS SHOWN FOR ILLUSTRATION PURPOSES ONLY, NOT PART OF THIS APPROVAL.
MAXIMUM DESIGN LOAD RATING = +110.0 PSF - 110.0 PSF

ITEM NO. | CHART NUMBER | DESCRIPTION | MATERIAL
---|---|---|---
1 | 508290 | DOME 21" | 3/16" POLYCARBONATE CE LEXAN XL-10 (NDA 003-0242-01) OR ATRAKOM TUFFAK XL (NDA 000-1122-03)
2 | 700250 | SCREW - DOME | (5) #8 x 3/4" SNUG TRUSS HD. PHILL. STEEL, DGO COAT, OR STEEL AL-2000 FITTED COAT OR STAINLESS
3 | 720180 | GRANKET - DOME SCREW | EPDM DENSE RUBBER
4 | SEALANT 21 | SEALKET ROOFING - GUARANTEE | P.N. 700070- FLEXIBLE SEAL OR P.N. 700230- OXIDEX 5200
5 | 200010 | FLASHING 21" X 8" HIGH | STEEL-ALUMINIZED COATED OR GALVANIZED COATED 22 GA (0.028")
6 | 200080 | FLASHING 21" X 11" HIGH | STEEL-ALUMINIZED COATED OR GALVANIZED COATED 22 GA (0.028")
7 | 230040 | FLASHING 21" CURB MOUNT | STEEL-ALUMINIZED COATED OR GALVANIZED COATED 22 GA (0.028")
8 | 700480 | SCREW - FLASHING | (10) #8 x 3/4" SNUG TRUSS HD. PHILL. STEEL DGO COAT, OR STEEL AL-2000 FITTED COAT, OR STAINLESS
9 | 820110 | SEAL - DOME | 1/2" x 1/2" FOAM WITH PSA ADHESIVE
10 | 20086070 | 21" REFLECTOR | ALUMINUM 0.020" THICK OR ALUMINUM 0.015" THICK
11 | CURB | FIELD FABRICATED BY OTHERS | MIN 2" X 8" B/P WOOD NAILED TO PLYWOOD 1/4" AT 8" O.C.
12 | SHEATHING | FIELD FABRICATED BY OTHERS | MAX 5/8" THICK COX PLYWOOD SUPPORTED AT 24" O.C.
13 | 400075 | DOME RING 21" | PVC CLASS C21 (ASTM D635), IRONHEAD TEMP: 435 C (ASTM D1622), SMOKE DENSITY: 72 ASH (ASTM D2843)
14 | 301170 | TUBE 21" TOP TUBE | ALUMINUM 0.032" THICK
15 | 700650 | RIVET | ALUMINUM 0.141" DIAMETER
16 | 805430 | SCREW - TUBE | #8 x 3/8" SNUG FLAT HD. PHILLIP'S PAN HEAD
17 | 601030 | TAPE | WHITE POLYESTER 1" WIDTH WITH PSA ADHESIVE
18 | 400140 | DIFFUSER 21" SECONDARY | ACRYLIC P-12 OPTIX ACRYLIC PLASTIC SHEET (0.10") THICK, C22, NDA 004-0249-03
19 | 300690 | LID 21" | ALUMINUM (0.015") THICK, REFLECTIVE INTERIOR FINISH

21" SOLATUBE