Architectural Testing

TEST REPORT

Report No.: D7368.01-301-16

Rendered to:
SUNOPTICS SKYLIGHTS

PRODUCT TYPE:
SIGNATURE SERIES SKYLIGHT 800MD CLASS 1

SPECIFICATIONS:
Occupational Safety and Health Administration/U.S. Department of Labor Regulations
(Standards - 29 CFR) - 1926.502(i)(2)

This report contains in its entirety:

Cover Page:	1 page
Report Body:	3 pages
Photographs:	2 pages

Test Date:	04/22/14
Report Date:	04/25/14
Test Record Retention Date:	04/22/18

1.0 Report Issued To: SUNOPTICS SKYLIGHTS
6201 27th Street
Sacramento, California 95822

2.0 Test Laboratory: Architectural Testing, Inc.
2524 East Jensen Avenue
Fresno, California 93706
(559) 233-8705

3.0 Project Summary: Static and impact load testing was conducted on a nominal 4' x 8' Signature Series Skylight.

3.1 Product Type: Skylight

3.2 Compliance Statement: Results obtained are tested values and were secured by using the designated test methods.

3.3 Test Date(s): 04/22/14

3.4 Test Location: Architectural Testing, Inc. test facility in Fresno, California.

3.5 Test Sample Source: The test specimens were provided by the client. Representative samples of the test specimens will be retained by Architectural Testing for a minimum of four years from the test completion date.

3.6 List of Official Observers:

Name	Company
Dennis Janzen	Architectural Testing, Inc.
Tyler Westerling	Architectural Testing, Inc.

4.0 Test Specifications:

Occupational Safety and Health Administration/U.S. Department of Labor Regulations (Standards- 29 CFR) - 1910.23(i)(4).

A test weight of 600 lb. fabricated from a bag filled with sand was gently placed directly on the center of the skylight and left in place for a minimum of one minute for observation.

5.0 Test Specimen Description:

5.1 Product Sizes:

Item	Width	Length
Curb size	52"	100"

5.2 Construction:

Frame Member	Material	Description
Signature Series 800MD Class 1	100% impact modified acrylic	Exterior dome measured 0.165" thick. Interior dome measured 0.120" thick.

6.0 Installation:

Location	Anchor Description	Anchor Location
Nominal 2x4 Douglas Fir test buck	1-5/8" drywall screws.	Spaced 12" on center.

7.0 Test Results: The results are tabulated as follows:

7.1 OSHA Skylight Safety Test (Tested on bare skylight with no safety screen.)

Test Method	Load Location	Result	Photos	Notes
600 lb. static load	Center of Skylight	Pass	1	-
400 lb. dropped 42"	Center of security guard	Pass	2	1 &2

***Note #1**: The skylight withstood the impact of the 400 lb. test weight dropped from 42" high without allowing the test weight to fall through the opening.*

***Note #2**: The test weight was left in place for a minimum of 5 minutes for observation and inspection. The test weight was then removed. No additional damage was observed.*

The service life of this report will expire on the stated Test Record Retention End Date, at which time such materials as drawings, data sheets, samples of test specimens, copies of this report, and any other pertinent project documentation, shall be discarded without notice.

If test specimen contains glazing, no conclusions of any kind regarding the adequacy or inadequacy of the glass in any glazed test specimen(s) can be made. This report does not constitute certification of this product nor an opinion or endorsement by this laboratory. It is the exclusive property of the client so named herein and relates only to the specimen(s) tested. This report may not be reproduced, except in full, without the written approval of Architectural Testing, Inc.

For ARCHITECTURAL TESTING, Inc.

Dennis Janzen /SS
Digitally Signed for: Dennis Janzen by Shannon Stein

Dennis Janzen
Technician

Digitally Signed by: Tyler Westerling

Tyler Westerling, P.E.
Senior Project Engineer

DJ: ss

Attachments (pages): This report is complete only when all attachments listed are included.
Appendix-A: Photographs (2)

Revision Log

Rev. #	Date	Page(s)	Revision(s)
0	04/25/14	N/A	Original report issue.

Appendix A

Photographs

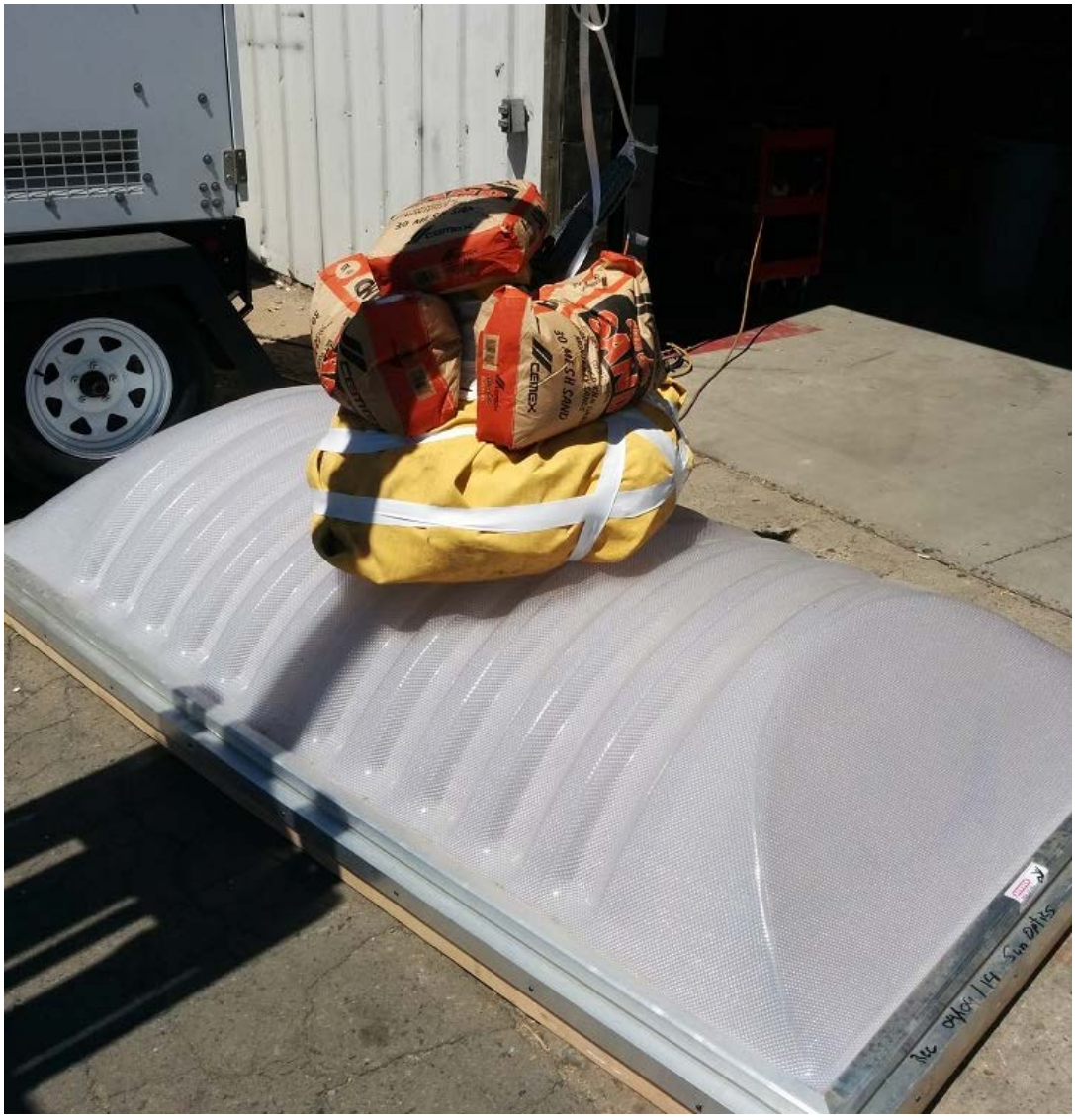

Photo No. 1
600 lbs. on Skylight

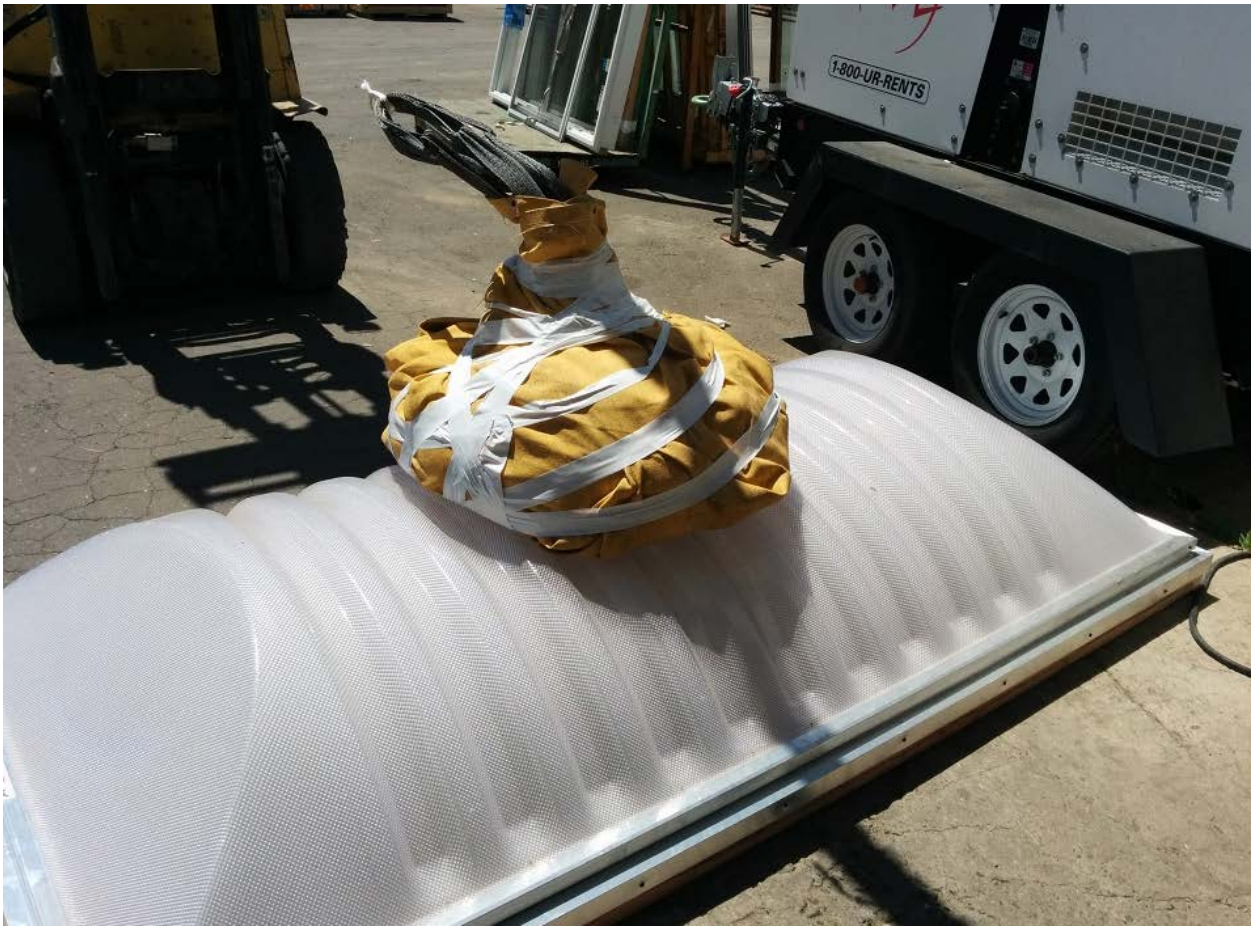

Photo No. 2
Skylight after Drop Test