



TEST REPORT

Report No.: B4430.01-801-44

Rendered to:

AMERICAN SKYLITES
Arlington, Texas

PRODUCT TYPE: Thermally Broken Curb Mount Prismatic Double Dome Skylight
SERIES/MODEL: TCM – Prismatic - FG

SPECIFICATION: Occupational Safety and Health Administration/U.S. Department of
Labor Regulations (Standards- 29 CFR)- 1910.23(e)(8).

Test Date:	11/08/11
Report Date:	11/08/11
Test Record Retention Date:	11/08/15

1.0 Report Issued To: American Skylites
525 113th Street
Arlington, Texas 76011

2.0 Test Laboratory: Architectural Testing, Inc.
2865 Market Loop
Southlake, Texas 76092
(817) 410-7202

3.0 Project Summary:

3.1 Product Type: Thermally Broken Curb Mount Prismatic Double Dome Skylight

3.2 Series/Model: TCM – Prismatic - FG

3.3 Compliance Statement: Results obtained are tested values and were secured by using the designated test method(s).

3.4 Test Dates: 11/08/2011 - 11/08/2011

3.5 Test Location: Architectural Testing, Inc. test facility in Southlake, Texas.

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

3.7 Drawing Reference: The test specimen drawings have been reviewed by Architectural Testing and are representative of the test specimen(s) reported herein. Test specimen construction was verified by Architectural Testing per the drawings located in Appendix A. Any deviations are documented herein or on the drawings.

3.8 List of Official Observers:

<u>Name</u>	<u>Company</u>
Michael Garcia	American Skylites
Tony Brown	Architectural Testing, Inc.

4.0 Test Specification(s):

Occupational Safety and Health Administration/U.S. Department of Labor Regulations (Standards- 29 CFR) - 1910.23(e)(8).

A 200 lbf weight, fabricated from a bag filled with sand, was placed on the center of the skylight for a minimum of 60 seconds. The bag was removed and the test unit was inspected for any signs of damage or failure. The bag was then dropped from varying heights above the skylight starting at 1', continuing to 6'. The highest impact load resulting in damage was recorded.

5.0 Test Specimen Description:

5.1 Product Sizes:

Overall Area: 3.9 m ² (41.6 ft ²)	Width		Height	
	millimeters	inches	millimeters	inches
Overall size	1549	61	2464	97
Curb	1530	60-1/4	2445	96-1/4
Mounting ring	1562	61-1/2	2477	97-1/2

5.2 Frame Construction:

Frame Member	Material	Description
All members	Aluminum	Custom extruded, thermally broken, mill finish

	Joinery Type	Detail
All corners	Mitered & welded	Welded along top face & side face at corner

5.3 Mounting Ring Construction:

Mounting Ring Member	Material	Description
All members	Aluminum	Custom extruded, mill finish

	Joinery Type	Detail
All corners	Mitered & welded	Welded along top face & side face at corner

5.4 Weatherstripping: No weatherstripping was utilized.

5.5 Glazing:

Glazing Type	Interior Lite	Exterior Lite	Glazing Method
Double Dome	1/8" white acrylic	1/8" clear polycarbonate	Interior dome glazed with sealant tape along frame, exterior dome glazed with sealant tape along interior dome.

Location	Quantity	Daylight Opening		Glazing Bite
		millimeters	inches	
Fixed skylight	1	1461 x 2375	57-1/2 x 93-1/2	3/4"

6.0 Installation:

The specimen was installed onto a Spruce-Pine-Fir wood curb. The exterior perimeter of the frame was sealed with sealant at the curb.

Location	Anchor Description	Anchor Location
Frame to curb	#8 x 1-5/8" drywall screws	3" from corners, 12" o.c. thereafter
Mounting ring to frame	#8 x 3/8" stainless steel screws	3" from corners, 12" o.c. thereafter

7.0 Test Results: The results are tabulated as follows:

7.1 OSHA Safety Test

Test	Load Location	Results
200 lbf	Center of dome	No visible damage

Note: The 200 lbf weight was gently applied perpendicular to the center of dome. After 60 seconds of rest time, there was no visible damage to skylight.

7.2 OSHA Safety Drop Test

Test Method	Load Location	Results
200 lbf-ft (1' drop height)	Inset 1" at center of longest edge	No visible damage
400 lbf-ft (2' drop height)	Inset 1" at center of longest edge	No visible damage
600 lbf-ft (3' drop height)	Inset 1" at center of longest edge	No visible damage
800 lbf-ft (4' drop height)	Inset 1" at center of longest edge	No visible damage
1000 lbf-ft (5' drop height)	Inset 1" at center of longest edge	No visible damage
1200 lbf-ft (6' drop height)	Inset 1" at center of longest edge	No visible damage

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.

Tony Brown
Technician

Andy Cost
Laboratory Manager

TB:hd

Attachments (pages): This report is complete only when all attachments listed are included.

Appendix-A: Drawings (1)

This report produced from controlled document template ATI 00514, issued 02/28/11.

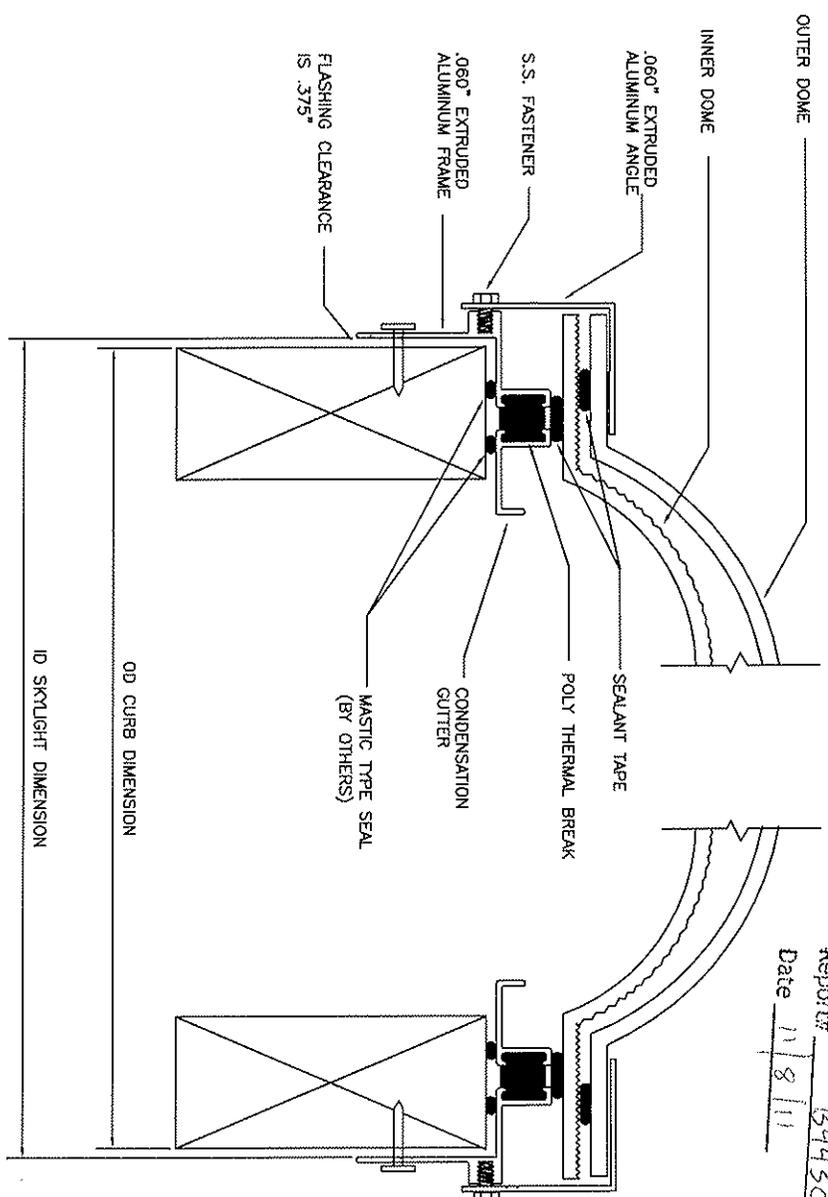
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Appendix A

Drawings

Test sample complies with these details.
 Deviations are noted.

Report# 34430.01
 Date 11/8/11 Tech TR



**THERMALLY BROKEN CURB MOUNT
 PRISMATIC DOMES FALL PROTECTION**

AMERICAN SKYLITES
 525 113th STREET ARLINGTON, TEXAS 76011
 Phone 800.772.7401 Fax 800.445.7282

1: GLAZING MATERIAL

INNER	PRISMATIC ACRYLIC DOME <input checked="" type="checkbox"/>	OUTER	<input type="checkbox"/>
	FALL CARBONITE DOME <input type="checkbox"/>		<input checked="" type="checkbox"/>

2: GLAZING COLOR

WHITE	<input checked="" type="checkbox"/>	<input type="checkbox"/>
CLEAR	<input type="checkbox"/>	<input checked="" type="checkbox"/>

3: FRAME FINISH

MILL	<input checked="" type="checkbox"/>
BRONZE ANODIZED	<input type="checkbox"/>
CLEAR ANODIZED	<input type="checkbox"/>
CUSTOM COLOR	<input type="checkbox"/>

FOR CURB MOUNT SKYLIGHTS PROVIDE
 OUTSIDE DIMENSION OF FINISHED CURB

QTY:	OD CURB =	X
QTY:	OD CURB =	X
QTY:	OD CURB =	X
QTY:	OD CURB =	X
QTY:	OD CURB =	X