

**ORCA Manufacturing, Inc.**

**Db a Starlight Skylights**

## **Test Report**

**Report Number:** 05102019-ORCA19

**Product Type:** Fixed Self Flashing Polycarbonate Skylight – Pyramid

**Model:** SFP-TB; Pyr

**Specification:** Occupational Safety and health Administration / US Department of Labor  
Regulations (Standards – 29 CFR) 1910.23(e)(8)

**Test Date:** 05/10/2019

**Report Date:** 05/11/2019

**Test Site:** ORCA Manufacturing, Inc.  
dba Starlight Skylights  
304 Broad St.  
Hurlock, MD 21643

**Project Summary:**

Product type: Fixed Self Flashing Polycarbonate Skylight; Pyramid

**Model:**

SFP-TB, 12 ISC; Pyr

**Compliance Statement:**

Results obtained are tested values and were secured by using the designated test method.

**Test Date:**

05/10/2019

**Test Location:**

ORCA Manufacturing, Inc. factory in Hurlock, MD

**Test Sample Source:**

The test specimen was fabricated in ORCA Manufacturing, Inc.'s shop in Hurlock, MD

**Drawing Reference:**

See attached.

**List of Observers:**

Kevin Sweeny	ORCA Manufacturing, Inc.
Arael Fuentes	ORCA Manufacturing, Inc.
Richard Brooks	ORCA Manufacturing, Inc.

## Test Specification:

Occupational Safety and Health Administration/US Department of Labor Regulations – 29 CFR-1910.23(e) (8)

A 200 lb. weight fabricated from a bag filled with sand, was placed at the center of the skylight for a minimum of 60 seconds. The bag was removed and inspected for any signs of damage or failure. The bag was then dropped from 4 ft above the glazing.

## Test Specimen Description:

Dimensions	Width	Height
Overall	72-7/8	72-7/8
Curb – Outside	72	72

## Frame Construction:

Curb	Aluminum	Extruded and welded
Trim	Aluminum	Extruded and welded

## Weather Stripping:

Weathering was applied to the top of the curb, between the curb and the curb mount frame.

## Glazing:

The unit was glazed with one sheet of 1/8" clear polycarbonate outboard and one sheet of 1/8" clear polycarbonate inboard separated by a seal tape. Both sheets were formed into a pyramid shape.

## Test Results:

### OSHA Safety test;

TEST	Location	Results
200 lbf at rest	Center of dome	No Visible damage

### OSHA Safety Drop Test

800 lbf-ft	Center of dome	No Visible damage
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Based on the above, the test sample met the requirements of Occupational Safety and Health Administration/US Department of Labor Regulations – 29 CFR-1910.23(e) (8)

  
\_\_\_\_\_ 5/11/19  
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Charles Hollowell, Jr.

Date

President

ORCA Manufacturing, Inc.

DbA Starlight Skylights.