TEST REPORT  # 13-5810-8
October 16, 2013

TESTED FOR

Bristolite Daylighting Systems
401 E. Goetz Ave.
Santa Ana, CA  92707

TEST LOCATION

Construction Consulting Laboratory West
4715 West State Street, Suite B
Ontario, CA  91762

TESTING PERFORMED

Load Testing of Safety Screen

DATE OF TEST

October 15, 2013

GENERAL SCOPE

The test unit was a Gladiator Safety Screen - Model 4896 - SSCRN, a curb mounted safety screen as supplied by Bristolite Daylighting Systems.

CONSTRUCTION AND MATERIALS

The test unit was made of welded 0.156” diameter galvanized wire mesh (see drawing attached, sheet 1 of 1).

The safety screen was mounted to a specially built 2” x 10” wood frame simulating the curb mounting under a skylight or smoke hatch.

Spacing and fastening of mounting clips were as shown on the attached drawing. Fasteners were #10 x 2”deck screws.

TEST PROCEDURE

A static load of 200 pounds and of 400 pounds was placed over a one square foot area at three different locations on the safety screen – center, side and corner and held for a duration of one (1) minute. Locations are shown as #1, 2 & 3 on the attached drawing.

An impact load of 200 pounds was dropped from a height of 24” above the center and mid points of the sides (length and width). This load was a flexible bag filled with gravel and sand and measured no more than 20” wide by 8” high by 30” long.

An impact load of 272 pounds was dropped from a height of 36” above the center utilizing a bull nose bag filled with gravel and sand.

Observations of the specimen performance was recorded at each load application.
LOAD PERFORMANCE

All loads were applied to one (1) specimen in a progressive manner.

The ultimate load capacity of the safety screen was not achieved.

There was no failure of fasteners, clips or the welded mesh screen. The screen was intact after all testing and the skylight roof opening remained fall protected. (see attached picture).

Testing was witnessed in all or part by:

TESTING COMPLETED:

Attached stamped drawing, sheet 1 of 1, is a part of this report.

Rudy Pavik
Chad Jackson
Jack Jackson
Bristolite Skylights
Construction Consulting Lab West
Construction Consulting Lab West

CONSTRUCTION CONSULTING LABORATORY WEST
JACK W. JACKSON
PRESIDENT/MANAGER OF TESTING

FRANCIS PICKELL, SR.
PROFESSIONAL ENGINEER
NOTES:
1. BRISTOLITE DROP-IN SAFETY SCREENS ARE ALL GALVANIZED STEEL. THEY ARE DESIGNED TO BE INSTALLED BEFORE THE BRISTOLITE SKYLIGHT OR SMOKE HATCH IS SET IN PLACE.
2. SAFETY SCREEN: 4"x4" OPENING, 0.162 WIRE. SAFETY SCREENS WERE SUCCESSFULLY LOAD TESTED; SEE "CCLW TEST REPORT #XX-XXXX" FOR LOAD & LOAD TYPE DETAILS.

CRITICAL NOTE: SAFETY SCREEN TO BE ATTACHED TO THE WOOD CURB WITH SUPPLIED CLIPS AND FASTENERS AS SHOWN.

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MODEL: 4896-SSCRN-WD
C7131-038912-A
NOT TO SCALE

Bristolite Daylighting Systems
401 East Goetz Avenue, Santa Ana, CA. 92707
TEl. 714.540.8950 / FAX 714.540.5415

DWG. LOCATION: X:ASHARED\ENGRL\DEPT\CAD DRAWINGS\SUBMITT\(BRI STO LIE)NDUST\SSCRN-4896-SSCRN-WD / 11/15/2013 - RPAVIJK

CONSTRUCTION CONSULTING LABORATORY WEST
PREPARED BY:
JOB NO:

REPORT NO. 13-5810-8
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ARCHITECT:

SUBMITTAL DATE:

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