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Visit our website [www.safeapproach.com](http://www.safeapproach.com)

November 15, 2012

PearlWeave Safety Netting Corp.  
30 Pine St.  
New Rochelle, NY 10801

Attn: Larry Greenberg

Re: Qualification Tests of Personnel Nets

This letter is to confirm our procedures and participation for a manufacturer's prototype test for a personnel safety net. The net was manufactured by PearlWeave Safety Netting Corporation of New York, New York. This test was authorized by PearlWeave. The drop tests were performed at Safe Approach, Inc's testing facility in Auburn, ME and were witnessed by Life Safety Consultants of Auburn, ME.

The testing was performed to determine compliance of the net system with the performance standards set forth by the American National Standards Institute in standard ANSI A10.11-2010 Personnel and Debris Nets for Construction and Demolition Operations.

The test frame was built by Safe Approach Inc for the specific purpose of conducting tests on products such as that provided by PearlWeave. The frame conforms to the criteria specified in the ANSI document in both size and construction. A  $\frac{3}{4}$ " galvanized wire rope is secured to the frame at the corners and at mid-points on the 17' and 24' sides. Snap hooks are spaced along the cable at the ANSI specified intervals to facilitate attachment of the net system.

The net used in this test measured 17' x 24' and conformed to the following specifications provided by the manufacturer:

Mesh – Nylon, double stranded, #84 cord, solution dyed black, UV treated  
Mesh Size –  $7\frac{1}{4}$ " stretch mesh  
Frame Rope –  $5/8$ " polypropylene  
Hanging Material – Net attached to cable with 120mm zinc plated snap hooks

The test was conducted in accordance with section 8.2 of ANSI A10.11-2010 and as required, was attached to the  $\frac{3}{4}$ " cable at 3' intervals along the 24' side and at 2'-10" intervals along the 17' side. When installed in the frame, the initial sag of the net was 32" as measured from the elevation of the  $\frac{3}{4}$ " cable to the lowest point of the net.

The test weight used in the drop test was built by Safe Approach using a heavy duty canvas material sewn into a cylindrical shape, 24" in diameter and 30" long. Heavy duty polyester straps were sewn to the bag to use for lifting. The bag was filled with sand to a weight of 350 lbs. and closed up.

The test weight was dropped into the net from a height of 50' as measured from the bottom of the bag to the net at impact location. The test weight was dropped in like fashion three times in locations as determined by ANSI A10.11-2010. There was an interval of approximately 20 minutes between each drop to allow for time to retrieve the weight, inspect the net system and allow the net to recover. The test frame was constructed as such that at no time did any portion of the net or weight come into contact with the ground or support structure.

The net system demonstrated the ability to sustain three drop tests in accordance with ANSI A10.11-2010. The net did not exhibit any significant distortion of the net pattern and there were no broken strands found.

Respectfully Submitted,



Roger A. Dargie



# Test Certificate

## Proof Load and Tensile Testers

206 Mechanic Falls Road

Poland, ME 04274

Phone: (207) 345-9900 Fax: (207) 345-9100

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Date: November 15, 2012	Certificate Number: 111512-1
Customer: Pearlweave Safety Netting Corp. 30 Pine St., New Rochelle, NY 10801	SAI Order Number: 154796
Description of Material:  Net: Solution Dyed Nylon Netting 17 FT x 24 FT	Customer P.O.: Verbal-Larry
Grade (Tensile) of Material: Nylon Mesh	Working Load Limit Straight Pull: N/A
Nominal Breaking Load: N/A  Actual Breaking Load:  N/A	Safety Factor: N/A  Description of Test: 1. Testing was performed per ANSI A10.11-2010 Section 8 2. 350 pound sand bag 3. 3 drops performed at 6 FT intervals along the length of the net 4. 50 foot free fall
Location and Manner of Break: 1. No broken strands or significant distortion of the net pattern occurred. 2. Initial sag of the net was 32 inches below the rope border.	Proof Load: N/A
Net Specification:  # 84 Nylon Mesh, double stranded, solution dyed & UV treated 7-1/4 IN Stretch Mesh 5/8 IN Polypropylene frame rope	Remarks:  Testing was conducted in accordance with Section 8 of ANSI Standard A10.11-2010 – Manufacturer's Prototype Test. Net passed testing.

We hereby certify that the above described material will comply with best commercial practice specifications.

Best Regards,

Roger A. Dargie  
President, Safe Approach Inc.

Date:

11-15-12

Test Conducted by:

David Kozlowsky

Signature:

Date: 11-15-12

Marc Lajoie

Signature:

Date: 11/15/12

Witness:

Ray Lussier, Life Safety Consultants

Signature:

Date: 11/15/12