



United States Testing Company, Inc.
Engineering Services Division

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REPORT OF TEST

NUMBER 099311

CLIENT: Marino Industries Corp.
400 Metuchen Road
P.O. Box 358
South Plainfield, NJ 07080

November 6, 1990

SUBJECT: Physical Properties

REFERENCE:

Marino Industries Corp., Letter of Authorization dated October 9, 1990.

SAMPLE IDENTIFICATION:

Two (2) samples of material were submitted and identified by the Client as follows:

1-1/2" Galvanized Roofing Nails and "Steel Cem" Board

TEST PERFORMED:

The submitted nails were tested for Pull Out Strength from the boards in accordance with Standard Laboratory Procedure.

Testing Supervised by:

Frank Savino

Frank Savino, Supervisor
Materials Engineering Section

SIGNED FOR THE COMPANY

By *Frank Pepe*

Frank Pepe
Vice President

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TEST PROCEDURE AND RESULTS:

The nails were embedded in the boards down to the steel backing. The boards were then secured in place on an Instron Universal Testing Machine. An increasing load was applied to each nail until it was removed from the board. The results were as follows:

<u>Determination</u>	<u>Pull Out Strength, LBS</u>
1	111.0
2	142.0
3	154.5
4	150.0
5	85.5
Avg.	128.6