

ROBERT L. NELSON & ASSOCIATES, INC.

CONSTRUCTION MATERIALS LABORATORY

1220 REMINGTON ROAD

SCHAUMBURG, ILLINOIS 60173

847/882-1146

November 12, 2003

Deslauriers, Inc.
P. O. Box 189
Bellwood, IL 60104

Attn: Mr. Mark B. Scanlon
Director of Sales

REPORT OF TESTS

SUBJECT: **Comparative Compressive Strength Study of Two Capping
Methods for Concrete Masonry Units**

PROJECT: Plant Research

TEST METHODS: ASTM C 140, "Test Methods of Sampling and Testing Concrete Masonry
Units"

TEST DATA

Forty 6" x 8" x 16" normal weight concrete masonry units (CMU) and forty 8" x 8" x 16" normal weight concrete masonry units (CMU) were tested in compression using two different types of capping materials. The first 20 of each size CMU were capped in accordance with ASTM C 140 with Hydrocal gypsum. The remaining 20 of each size CMU used a foam plastic composite pad as the capping material.

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TEST RESULTS -- PSI

Type of Cap:	<u>6" x 8" x 16" Block</u>		<u>8" x 8" x 16" Block</u>	
	<u>Hydrocal Gypsum</u>	<u>Foam and Plastic Composite Pads</u>	<u>Hydrocal Gypsum</u>	<u>Foam and Plastic Composite Pads</u>
Unit No: 1	2980	3182	2705	2747
2	3131	3040	2788	2781
3	3060	3214	2610	2673
4	3210	3341	2834	2790
5	2893	3311	2666	2603
6	3101	3014	2589	2766
7	2912	2981	2763	2910
8	2864	3112	2804	2692
9	3087	3177	2777	2615
10	3170	3079	2591	2888
11	3204	2897	2644	2687
12	3252	3218	2689	2807
13	3072	3319	2732	2798
14	3117	3171	2727	2914
15	3196	3107	2791	2771
16	2931	3217	2689	2720
17	2975	3152	2701	2815
18	3111	2889	2660	2654
19	3288	2910	2677	2703
20	3103	3134	2691	2800
Average	3083	3123	2706	2762
Standard Deviation	120	132	69	81
C.O.V.	3.9	4.2	2.5	2.9

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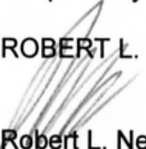
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Respectfully submitted,

ROBERT L. NELSON & ASSOCIATES, INC.



Robert L. Nelson
President

