

NELSON TESTING LABORATORIES

Construction Materials

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November 14, 2007

REPORT OF TESTS

SUBJECT: Physical Analysis of Clay Face Brick

PROJECT: Plant Research

SPECIFICATION: ASTM C 216, "Specification for Facing Brick."

TEST METHOD: ASTM C 67, "Test Methods for Sampling and Testing Brick and Structural Clay Tile."

DATE OF TESTS: November 7, 2007

TEST RESULTS

Sample Identification Sahara Light Buff Blend Modular Velour Face Brick: Sahara Light Buff Blend, Cocoa Blend Gray Granite Blend and Graystone Blend

Size Length – 7.625"; Width – 3.75"; Height – 2.25"

<i>Unit No.</i>	<u>1</u>	<u>2</u>	<u>3</u>	<u>4</u>	<u>5</u>	<u>AVG</u>
<u>Absorption (%)</u>						
24 hour	6.32	6.25	6.21	6.23	6.22	6.24
5 hour boil	7.67	7.57	7.56	7.63	7.56	7.60
<u>Initial Rate of Absorption</u> (g./min./30 sq.in.)	8.9	8.2	8.8	8.5	8.4	8.6
<u>Saturation Coefficient</u>	0.82	0.83	0.82	0.82	0.82	0.82
<u>Comp. Strength (PSI)</u>	17,320	16,860	16,500	17,080	16,780	16,908
<u>Modulus of Rupture (PSI)</u>	1,767	1,603	1,682	1,723	1,694	1,694
<u>Efflorescence Rating</u>	-----no efflorescence-----					

The results show compliance with ASTM C 216 – Grade SW.

Respectfully submitted,

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Robert L. Nelson
Principal