

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 Burgundy Blend Modular Velour Face Brick: Burgundy Blend, Black Diamond Blend, Coffee Blend, Olm Homestead Blend and Old Smoky Blend

Size Length – 7.625"; Width – 3.625"; Height – 2.25"

<u>Unit No.</u>	<u>1</u>	<u>2</u>	<u>3</u>	<u>4</u>	<u>5</u>	<u>AVG</u>
<u>Absorption (%)</u>						
24 hour	2.79	2.84	2.83	2.86	2.82	2.83
5 hour boil	4.26	4.24	4.35	4.48	4.39	4.34
<u>Initial Rate of Absorption</u> (g./min./30 sq.in.)	2.1	1.9	2.1	1.8	1.9	2.0
<u>Saturation Coefficient</u>	0.65	0.67	0.65	0.64	0.64	0.65
<u>Comp. Strength (PSI)</u>	17,960	17,610	17,660	17,080	18,120	17,686
<u>Modulus of Rupture (PSI)</u>	1,784	1,870	1,810	1,765	1,844	1,814
<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