

ENGINEERS LABORATORIES, INC.

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Materials & Soils Testing

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August 23, 2012

Job No. 96-012

Columbus Brick Co.
P.O. Box 9630
Columbus, MS 39705

Re: Plant 2
Red Body, Flashed
Queen Size

Gentlemen:

Tabulated below are results of laboratory tests performed at your request. These tests were performed in accordance with ASTM Designation: **C-67**

Uni No.	Dimensions		Compressive Strength Test			Initial Rate of Absorption (Suction in Grams per 1-Min.)			
	L	W	Total Load Lbs.	Gross Area Sq. Inches	PSI	Unit No.	Initial Rate of Absorption	% Void	
1	3.75	2.78	60,000	10.43	5,750	1	13.57	1)22.6	6)22.2
2	3.78	2.80	55,000	40.58	5,200	2	12.98	2)22.4	7)22.3
3	3.70	2.80	50,000	10.36	4,830	3	15.73	3)21.5	8)22.2
4	3.80	2.70	99,000	10.26	9,650	4	12.64	4)21.4	9)22.2
5	3.80	2.80	75,000	10.64	<u>7,050</u>	5	<u>15.29</u>	5)22.2	10)22.4

Average of 5 Units: 6,500 14.04 Average of 10 Units: 22.1

Per Cent Water Absorption
24 Hour Submersion in Cold Water

Per Cent Absorption - 5 Hours
Boiling Method

Unit No.	Dry Weight Grams	Wet Weight Grams	% Absorption	Dry Weight Grams	Wet Weight Grams	% Absorption	Sat. Coeff.
1	760.5	800.9	5.3	760.5	820.6	7.9	.67
2	750.5	791.1	5.4	750.5	810.6	8.0	.68
3	747.1	788.0	5.5	747.1	810.0	8.4	.65
4	752.9	793.5	5.4	752.9	812.7	7.9	.68
5	745.4	785.4	<u>5.4</u>	745.4	805.2	<u>8.0</u>	<u>.68</u>

Average of 5 Units: 5.4 8.0 .67

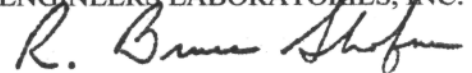
These test results meet the requirements of ASTM Designation: **C-216, Grade SW, Type FBA**

These brick are rated "Not Effloresced".

We trust that this is the information required at this time.

Yours very truly,

ENGINEERS LABORATORIES, INC.



R. Bruce Shofner

RBS/cc