

ENGINEERS LABORATORIES, INC.

231 Beasley Road, P.O. Box 9804
Jackson, MS 39286-0804

Materials & Soils Testing

Elliott R. Bowman, Jr., P.E.
(601) 956-3041, Fax: (601) 956-9960

August 23, 2012

Job No. 96-012

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

Re: Plant 2
Brown 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**

Unit No.	Dimensions Inches		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	3.60	2.73	78,000	9.83	7,930	1	9.75	1)20.4	6)20.1
2	3.70	2.75	105,000	10.18	10,310	2	9.41	2)20.4	7)20.6
3	3.70	2.75	110,000	10.18	10,800	3	13.67	3)20.3	8)20.0
4	3.80	2.75	114,000	10.45	10,910	4	10.99	4)21.2	9)20.6
5	3.75	2.75	116,000	10.31	11,250	5	11.82	5)20.6	10)20.2

Average of 5 Units: 10,240 11.13 Average of 10 Units: 20.4

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	770.1	807.0	4.8	778.9	830.2	7.8	.62
2	762.0	797.6	4.7	762.0	821.3	7.8	.60
3	771.4	809.9	5.0	771.4	834.4	8.2	.61
4	736.6	771.4	4.7	736.6	793.6	7.7	.61
5	764.2	798.4	4.5	764.2	821.5	7.5	.60

Average of 5 Units: 4.8 7.8 .61

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
R. Bruce Shofner

RBS/cc