

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

October 5, 2010

Job No. 96-012

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

Re: Plant 2
Brown Body, Flash
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		Compressive Strength Test			Initial Rate of Absorption (Suction in Grams per 1-Min.)		
	Inches		Total Load	Gross Area	PSI	Unit No.	Initial Rate of Absorption	% Void
	L	W	Lbs.	Sq. Inches				
1	3.71	2.60	93,000	9.65	9,640	1	23.9	19.38
2	3.74	2.70	87,000	10.10	8,610	2	19.7	20.20
3	3.80	2.60	89,500	9.90	9,040	3	18.9	18.80
4	3.75	2.60	89,000	9.75	9,130	4	23.5	20.00
5	3.75	2.60	91,000	9.75	9,330	5	21.5	21.30
Average of 5 Units:					9,150		21.5	19.90

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	765.3	814.2	6.38	765.3	833.3	8.88	.72
2	738.4	785.9	6.43	738.4	805.5	9.08	.71
3	734.7	781.8	6.41	734.7	800.6	8.96	.71
4	746.1	794.8	6.52	746.1	814.7	9.19	.71
5	734.7	781.6	6.38	734.7	801.0	9.02	.70
Average of 5 Units:			6.42			9.02	.71

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