

ENGINEERS LABORATORIES, INC.

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Materials & Soils Testing

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October 5, 2010

Job No. 96-012

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

Re: Plant 2
Red 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 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	3.70	2.68	120,000	9.92	12,100	1	12.40	21.90
2	3.65	2.68	110,000	9.78	11,250	2	11.90	21.50
3	3.70	2.68	111,500	9.92	11,240	3	9.70	21.40
4	3.55	2.70	105,000	9.59	10,950	4	9.90	20.90
5	3.70	2.68	104,000	9.92	10,480	5	10.50	22.10
Average of 5 Units:					11,200		10.90	21.50

**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	725.9	769.4	5.99	725.9	787.7	8.14	.74
2	732.6	774.9	5.77	732.6	792.2	8.13	.71
3	717.1	754.9	5.27	717.1	772.9	7.78	.68
4	750.8	793.4	5.67	750.8	810.6	7.96	.71
5	719.5	760.7	5.72	719.5	778.0	8.13	.70
Average of 5 Units:			5.68			8.02	.70

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