

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 1
Red Body, Flash
Modular

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.)		
	L	W	Total Load Lbs.	Gross Area Sq. Inches	PSI	Unit No.	Initial Rate of Absorption	% Void
1	3.90	3.35	124,000	13.06	9,500	1	25.40	24.70
2	3.80	3.35	131,000	12.73	10,290	2	16.20	25.00
3	3.78	3.40	119,000	12.85	9,260	3	22.60	25.10
4	3.80	3.45	120,500	13.11	9,190	4	36.60	24.40
5	3.82	3.41	130,000	13.02	9,980	5	23.20	25.50
Average of 5 Units:					9,640		24.80	24.90

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	714.6	765.9	7.17	714.6	784.1	9.72	.74
2	717.1	760.1	5.99	717.1	780.5	8.84	.68
3	715.2	764.1	6.39	715.2	783.2	9.50	.67
4	714.9	771.9	7.97	714.9	791.1	10.65	.75
5	706.0	757.2	7.25	706.0	775.2	9.80	.74
Average of 5 Units:			6.95			9.70	.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