

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
Brown 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 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	3.91	3.28	145,000	12.82	11,310	1	9.60	25.10
2	3.95	3.28	123,000	12.95	9,500	2	15.70	24.50
3	3.75	3.30	160,000	12.37	12,930	3	6.50	23.40
4	3.88	3.31	136,000	12.84	10,590	4	14.90	23.30
5	3.92	3.35	155,000	13.13	<u>11,810</u>	5	<u>7.20</u>	<u>24.20</u>
Average of 5 Units:					11,230		10.80	24.10

Unit No.	Per Cent Water Absorption 24 Hour Submersion in Cold Water			Per Cent Absorption - 5 Hours Boiling Method			
	Dry Weight Grams	Wet Weight Grams	% Absorption	Dry Weight Grams	Wet Weight Grams	% Absorption	Sat. Coeff.
1	701.8	736.7	4.97	701.8	753.5	7.36	.68
2	726.6	770.5	6.04	726.6	788.1	8.46	.72
3	737.7	771.7	4.60	737.7	789.7	7.04	.65
4	726.7	772.8	6.34	726.7	789.9	8.69	.73
5	698.1	733.6	<u>5.08</u>	698.1	752.0	<u>7.72</u>	<u>.66</u>
Average of 5 Units:			5.40			7.85	.68

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