

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, Clear Burn
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	3.75	3.35	110,500	12.56	8,800	1	28.10	24.20
2	3.80	3.35	105,000	12.73	8,250	2	35.00	24.10
3	3.81	3.35	106,500	12.76	8,350	3	34.10	24.40
4	3.78	3.35	108,000	12.66	8,530	4	32.10	24.40
5	3.75	3.35	107,500	12.56	8,560	5	35.20	24.30
Average of 5 Units:					8,500		32.90	24.20

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	708.8	752.4	6.15	708.8	767.9	8.34	.74
2	716.5	769.8	7.43	716.5	788.2	10.00	.74
3	716.5	771.2	7.63	716.5	789.4	10.17	.75
4	721.4	775.1	7.44	721.4	794.1	10.07	.74
5	717.7	769.2	7.17	717.7	789.5	10.00	.71
Average of 5 Units:			7.16			9.72	.74

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
R. Bruce Shofner

RBS/cc