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August 1, 2016

Job No. 16-037

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

Re: Plant 2
Red 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.)		% Void	
	L	W	Total Load Lbs.	Gross Area Sq. Inches	PSI	Unit No.	Initial Rate of Absorption		
1	3.82	3.83	96,500	14.63	6,600	1	24.78	30.0	29.7
2	3.69	3.75	92,000	13.84	6,650	2	16.44	30.4	29.6
3	3.79	3.79	87,000	14.36	6,060	3	17.75	30.3	29.2
4	3.77	3.70	98,000	13.95	7,030	4	14.58	30.0	28.7
5	3.82	3.81	101,500	14.55	6,980	5	16.48	28.5	29.1
Average of 5 Units:					6,660		18.01	Average of 10 Units: 29.6	

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	745.8	792.0	6.19	745.8	810.9	8.73	.71
2	781.7	828.1	5.94	781.7	848.6	8.56	.69
3	766.9	813.9	6.13	766.9	833.7	8.71	.70
4	799.0	795.3	6.18	749.0	814.2	8.70	.71
5	758.7	807.4	6.42	758.7	825.4	8.79	.73
Average of 5 Units:			6.17			8.70	.71

These test results meet the requirements of ASTM Designation: C-652, Grade SW

These brick are rated "Not Effloresced".

We trust that this is the information required at this time.

Yours very truly,

ENGINEERS LABORATORIES, INC.



R. Bruce Shofner