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August 1, 2016

Job No. 16-037

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

Re: Plant 1
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	3.73	3.75	105,000	13.99	7,510	1	17.14	29.3	28.8
2	3.75	3.76	120,000	14.10	8,510	2	12.24	28.4	29.1
3	3.90	3.95	100,500	15.40	6,530	3	18.33	30.3	29.7
4	3.89	3.89	90,000	15.13	5,950	4	19.35	29.3	30.8
5	3.81	3.82	85,000	14.60	5,820	5	10.21	29.6	29.0
Average of 5 Units:					6,860		15.45	Average of 10 Units: 29.4	

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	824.3	872.6	5.86	824.3	894.7	8.54	.69
2	817.4	848.5	3.80	817.4	873.9	6.91	.55
3	793.1	839.0	5.79	793.1	860.0	8.44	.69
4	802.4	851.3	6.09	802.4	872.8	8.77	.69
5	816.4	855.1	4.74	816.4	871.6	6.76	.70
Average of 5 Units:			5.26			7.88	.66

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