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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 Clear 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.)			
	L	W	Total Load Lbs.	Gross Area Sq. Inches	PSI	Unit No.	Initial Rate of Absorption	% Void	
1	3.70	3.73	98,000	13.80	7,100	1	8.57	27.7	29.5
2	3.69	3.66	94,500	13.51	6,990	2	10.29	28.5	28.5
3	3.73	3.74	91,000	13.95	6,520	3	16.32	28.2	28.4
4	3.66	3.68	88,000	13.47	6,530	4	17.67	27.9	28.7
5	3.73	3.69	102,500	13.76	7,450	5	10.87	28.8	27.9
Average of 5 Units:					<u>6,920</u>		<u>12.74</u>	Average of 10 Units: <u>28.4</u>	

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	690.1	745.9	8.09	690.1	762.3	10.46	.77
2	712.9	757.6	6.34	712.4	774.3	8.69	.73
3	712.4	764.8	7.36	712.4	781.1	9.64	.76
4	694.5	742.3	6.88	694.5	758.0	9.14	.75
5	693.7	736.9	6.23	693.7	753.9	8.68	.75
Average of 5 Units:			<u>6.98</u>			<u>9.32</u>	<u>.75</u>

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

RBS/dw