ACCREDITED

CLEMSON UNIVERSITY
THE BISHOP MATERIALS LABORATORY

AASHTO R18
ACCREDITED LABORATORY

TEST REPORT

100 Clemson Research Blvd.
Anderson, SC 29625
(864) 656-1094
Fax: (864) 656-1095
www.bishopmaterialslab.com

Results of Tests on Brick conducted in accordance with ASTM C67-14 Standard Method for Sampling and Testing

Brick and Structural Clay Tile

02/27/2015

Name:	Pine Hall Brick Company, Inc P. O. Box 836 Madison , NC 27025	Plant:	Madison	*Temperature: 60 - 90F
		Report Number:	6126.11802	*Humidity: 30% - 70%
Phone:	336-548-6007	Received Date:	01/29/2015	
Fax:	336-548-1837	Sampled Date:	01/29/2015	
		Lot:		
		Product Code:		

Sample Description: **Face Brick Oversize**

							Test Date
Absorption	**1**	**2**	**3**	**4**	**5**	**Average**	
24 Hour Submersion in Cold Water (%)	6.11	7.21	6.14	5.82	6.08	6.27	01/30/2015
5 Hour Submersion in Boiling Water (%)	9.25	10.55	9.28	9.34	9.48	9.58	
Saturation Coefficient (Ratio of 24H to 5H)	0.66	0.68	0.66	0.62	0.64	0.65	

*The 1 and 2 hour boiled water absorption tests are not required by the customer

Compressive Strength	**1**	**2**	**3**	**4**	**5**	**Average**	
psi	12,467	7,643	10,665	8,837	10,607	10,044	01/30/2015
MPa	86.0	52.7	73.5	60.9	73.1	69.3	
Efflorescence	**11**	**12**	**13**	**14**	**15**		
	Not Effloresced	Not Effloresced	Not Effloresced	Not Effloresced	Not Effloresced		02/10/2015
IRA (Oven Dried Method)	**6**	**7**	**8**	**9**	**10**	**Average**	
g/min/30 in.²	29.5	28.1	30.6	32.7	30.4	30.2	02/03/2015
Average % Void	20.3						01/30/2015

The brick represented by the test results shown here comply with the physical property requirements of the standards listed below:

ASTM C 216 - 14 Standard Specification for Facing Brick (Solid Masonry Units Made From Clay or Shale)
Grade: SW, MW

R. Parker Stroble, Quality Manager

**The temperature and humidity of the Bishop Materials Laboratory is constantly kept between 60 -90F, and 30-70% RH*

The results shown above apply only to the samples tested, which are provided by the customer.

This test report shall not be reproduced except in full, without written approval of the laboratory.