

# THE BOWERSTON SHALE COMPANY

*Face Brick of Distinction*

1329 SEVEN HILLS RD., N.E.  
NEWARK, OHIO 43055

HANOVER PLANT  
PHONE (740) 763-3921

April 30, 2018

Janesville Brick  
Attn: Duke Kelly  
1801 W. Court Street  
PO Box 564  
Janesville, WI 53547-0564

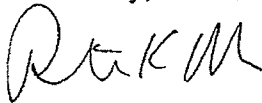
Re: Delta Upsilon Renovation, Isthmus Architecture, Inc.

Dear Duke,

This is to certify that the #1000 Blush Buff Flash Smooth Standard size face brick and the #1525 Buff Flash Sanded Standard size face brick manufactured at Hanover, Ohio, will meet or exceed the requirements of ASTM Designation C216, Grade SW, and Type FBS.

The enclosed test report labeled, "Blush Buff Clay Series", covers all of our buff body modular size face brick. If we can be of further help, please feel free to call.

Sincerely,



Beth K Hillyer  
Vice President

BKH:lew

Enc.





**TEST REPORT**

100 Clemson Research Blvd.  
Anderson, SC 29625  
(864) 658-1094  
Fax: (864) 658-1095  
www.brickandtile.org

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

Brick and Structural Clay Tile

03/03/2016

Name:	The Bowerston Shale Company P. O. Box 199 Bowerston , OH 44695	Plant:	Hanover	*Temperature: 60 - 90F
Phone:	740-269-2921	Report Number:	6809-14157	*Humidity: 30% - 70%
Fax:	740-269-5456	Received Date:	02/08/2016	
		Sampled Date:	02/08/2016	
		Lot:	H12144	
		Product Code:		

Sample Description: **Blush Buff Clay Series Modular**

Series Includes: #245, #425, #423, #424, #426, #443, #445, #446, #448, #1000, #1003, #1425, #1445, #1448, #1520, #1525, #1543, #1545, #1546, Desert Brown, Desert Sage, Desert Tan, Desert Brown Flash, Desert Sage Flash

	1	2	3	4	5	Average	Test Date
<b>Absorption</b>							
24 Hour Submersion in Cold Water (%)	4.15	4.89	5.02	4.58	4.18	4.56	02/16/2016
5 Hour Submersion in Boiling Water (%)	5.03	5.53	5.83	5.15	5.18	5.34	
Saturation Coefficient (Ratio of 24H to 5H)	0.83	0.88	0.86	0.89	0.81	0.85	
<b>Compressive Strength</b>							
psi	16,330	13,436	14,453	13,383	13,721	14,265	02/16/2016
MPa	112.6	92.6	99.6	92.3	94.6	98.4	
<b>Efflorescence</b>	11	12	13	14	15		
	Not Effloresced	Not Effloresced	Not Effloresced	Not Effloresced	Not Effloresced		02/24/2016
<b>IRA (Oven Dried Method)</b>	6	7	8	9	10	Average	
g/min/30 in. <sup>2</sup>	7.3	9.9	9.5	10.0	9.1	9.2	02/19/2016
<b>Average % Void</b>	19.3						02/15/2016

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

ASTM C 216 - 15 Standard Specification for Facing Brick (Solid Masonry Units Made From Clay or Shale)  
Grade: SW, MW, with absorption alternate in section 7.1.2

Michael Walker, 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.