

# BOWSER-MORNER, INC.

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AASHTO/ISO 17025 Accredited

## REPORT ON TESTS OF CONCRETE MASONRY UNITS

**Report To:** Tri-County Block & Brick  
Attn: Donavan Cooley  
1628 US 20A  
Swanton, OH 43558

**Report Date:** 03/31/17  
**Job No.:** 178718  
**Report No.:** 200860  
**No. of Pages:** 1

**Date Made:** n/a

**Date Received:** 03/01/17

**Specs:** ASTM C 90 (Strength & Absorption Only)

**Test Method:** ASTM C 140

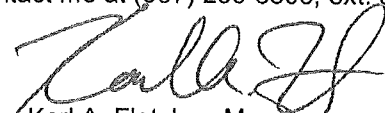
**Unit:** 3" Solid Normal Weight Loadbearing Concrete Masonry Unit

3 x 8 x 16

COMPRESSIVE STRENGTH					SPECIFICATIONS	
Specimen No.	7D	7E	7F	Average	Individual	Average
Length in Inches	15.60	15.60	15.60			
Width in Inches	2.63	2.63	2.65	2.64		
Height in Inches	7.58	7.57	7.62			
Gross Area, Sq. In.	41.0	41.0	41.3			
No. of Cells	0	0	0			
Total Load in lbs.	119,885	122,885	131,970			
Gross Unit Load, psi	2920	3000	3190	3040		
Gross Volume, Cu. Ft.	0.1800	0.1797	0.1823	0.1807		
Net Unit Load, psi	<b>2930</b>	<b>3010</b>	<b>3230</b>	<b>3060</b>	1800 Min.	2000 Min.
ABSORPTION					SPECIFICATIONS	
Specimen No.	7A	7B	7C	Average	Individual	Average
Wt. As Received, lbs.	24.50	24.69	24.60			
Suspended Wt., lbs.	14.28	14.38	14.29			
Wet Wt., lbs.	25.45	25.62	25.47			
Dry Wt., lbs.	23.66	23.90	23.75			
Absorption, lbs./Cu.Ft.	<b>10.0</b>	<b>9.5</b>	<b>9.6</b>	<b>9.7</b>	15 Max.	13 Max.
Absorption, % of Dry Wt.	7.6	7.2	7.2	7.3		
% Moisture, % Absorption	46.9	45.9	49.4			
Net Vol., Cu. Ft.	0.179	0.180	0.179	0.179		
Net Area, Sq. In.	40.8	41.1	40.6	40.9		
Dry Den, lbs./Cu.Ft.	132.2	132.7	132.6	132.5		
FIRE RATING						
Aggregate Type:	91% Limestone, 9% Siliceous Sand					
Percent Solids:	100.0 %		Ohio Building Code (OBC) Table 721.3.2			
Equivalent Thickness:	2.6 inches		Fire Resistance Rating:		0.9 hrs	
SOUND TRANSMISSION CLASS (STC) RATING (TEK 13-1C, 2012)						
STC Rating: 43 (TEK 13-1C, 2012 - Table 1 - Calculated STC Ratings for Concrete Masonry Walls)						

Should you have any questions, or if we may be of further service, please contact me at (937) 236-8805, ext. 322.

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