BOWSER-MORNER, INC.

Delivery Address: 4518 Taylorsville Road Dayton, Ohio 45424 Mailing Address: P.O. Box 51 Dayton, Ohio 45401 AASHTO/ISO 17025 Accredited

REPORT ON TESTS OF CONCRETE MASONRY UNITS

Report To:

Tri-County Brick and Block

Attn: Ed Kuhlman 1628 US Highway 20A

Swanton, OH 43558

Date Made: N/A

Date(s) of Performance:

5/12/2015

Specs: Unit:

ASTM C 90

Test Methods: ASTM C 140, C 426 Normal Weight Loadbearing Concrete Masonry Unit - Hollow Core

Report Date: 07/17/15

Job No.: 170465 Report No.: 200154B

No. of Pages:

Date Received: 05/08/15

	COMPRESSIVE STRENGTH					SPECIFICATIONS	
Specimen No.	3D	3E	3F	Average	Individual	Average	
Length in Inches	15.57	15.58	15.57				
Width in Inches	7.63	7.64	7.64	7.64			
Height in Inches	7.61	7.61	7.60				
Equiv. Web Thickness, in/ft.	2.36	2.36	2.36	2.36		2 1/4 (2.25) Min	
Min. OW Thickness, in.	1.27	1.27	1.27	1.27		1 1/4 (1.25) Min	
Min. Web Thickness, in.	1.01	1.01	1.01	1.01		1 Min.	
Gross Area, Sq. In.	118.8	119.0	119.0				
No. of Cells	2	2	2				
Total Load in lbs.	275,120	263,820	267,860				
Gross Unit Load, psi	2320	2220	2250	2260			
Gross Volume, Cu. Ft.	0.5232	0.5242	0.5232	0.5235			
Net Unit Load, psi	4450	4270	4330	4350	1700 Min.	1900 Min.	
ABSORPTION					SPECIFICATIONS		
Specimen No.	3A	3B	. 3C	Average	Individual	Average	
Wt. As Received, lbs.	38.14	38.37	37.96			1	
Suspended Wt., lbs.	22.42	22.53	22.26				
Wet Wt., Ibs.	39.36	39.55	39.27				
Dry Wt., lbs.	37.13	37.33	36.98				
Absorption, Ibs./Cu.Ft.	8.2	8.1	8.4	8.3	15 Max.	13 Max.	
Absorption, % of Dry Wt.	6.0	5.9	6.2	6.0		10 1102	
% Moisture, % Absorption	45.3	46.8	42.8				
Net Vol., Cu. Ft.	0.271	0.273	0.273	0.272			
Net Area, Sq. In.	61.6	61.9	62.0	61.9			
Dry Den, Ibs./Cu.Ft.	136,8	136.9	135.7	136.4			
	THE RESERVE AND DESCRIPTION OF THE PERSON OF	FIR	E RATING			L.,	
Aggregate Type:	86% crush	ed carbona	ate stone & sand	, 14% siliceou	s sand		
Percent Solids:	52.0 %		Ohio Building Code (OBC) Table 721.3.2				
Equivalent Thickness:	4.0 inches Fire Resistance Rating: 2 hr						
			SHRINKAGE				
Linear Shrinkage @ Equilibrium, %: 0.034 ASTM C 90, section 5.2 Specification, % Max: 0.065							
SOUI SC Rating: 49 (TEK 13-10	ND TRANSMISS	SION CLAS	S (STC) RATING	(TEK 13-1C, 2	2012)		

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

KAF/bk/llg 200154B 1-File

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CMTT No. 7606

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