

BOWSER-MORNER, INC.

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REPORT ON TESTS OF SEGMENTAL RETAINING WALL UNITS

Report To: Reading Rock, Inc.
Attn: David Zawada
4600 Devitt Drive
Cincinnati, OH 45246

Report Date: 04/15/20
Job No.: 195115
Report No.: 201276
Date Submitted: 03/27/20

Specification: ASTM C 1372
Date (s) of Performance: April 14-15, 2020
Technician (s) Performing Tests: R. Kushmaul
Condition of Samples: Intact

Test Method: ASTM C 140
Date Made: n/a

Type of Unit: Normal Weight Segmental Retaining Wall Unit Allen Block

COMPRESSIVE STRENGTH					SPECIFICATIONS	
Specimen No.	5D	5E	5F	Average	Individual	Average
Length in Inches	7.98	7.99	7.98			
Width in Inches	1.97	1.92	1.89	1.93		
Height in Inches	3.84	3.86	3.87			
Gross Area, Sq. In.	15.7	15.3	15.1			
Total Load in lbs.	78,320	75,790	79,250			
Gross Unit Load, psi	4980	4940	5250	5060		
Gross Volume, Cu. Ft.	0.0349	0.0343	0.0338	0.0343		
Net Unit Load, psi	5150	4990	5210	5120	2500 Min.	3000 Min.
ABSORPTION					SPECIFICATIONS	
Specimen No.	5A	5B	5C	Average	Individual	Average
Wt. As Received, lbs.	4.51	4.73	4.41			
Suspended Wt., lbs.	2.59	2.73	2.51			
Wet Wt., lbs.	4.72	4.87	4.59			
Dry Wt., lbs.	4.43	4.64	4.32			
Absorption, lbs./Cu.Ft.	8.5	6.7	8.1	7.8	15 Max.	13 Max.
Absorption, % of Dry Wt.	6.5	5.0	6.2	5.9		
% Moisture, % Absorption	27.6	39.1	33.3			
Net Vol., Cu. Ft.	0.034	0.034	0.033	0.034		
Net Area, Sq. In.	15.4	15.4	14.9	15.2		
Dry Den, lbs./Cu.Ft.	129.8	135.3	129.6	131.6		

Note: Coupons were cut as specified in ASTM C 140, sec. 6.2.6.

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

Karl A. Fletcher, Vice President
Assistant Director, CMT and
Geotechnical Laboratories

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