

May 20, 2011

Mr. Rex Timmons
Parker Block Co. Inc.
PO Box 780
Millsboro, DE 19966-0780

Mr. Timmons,

Enclosed please find a report of testing performed by the National Concrete Masonry Association Research and Development Laboratory on the following products:

Report Number	Unit Description
11-386	U-Shaped Concrete Masonry Lintel

Please note that the contents of this report are not to be reproduced, except in full, without the written approval of the NCMA Research and Development Laboratory.

We are constantly improving our services and would greatly appreciate any feedback regarding your experience with NCMA's Research and Development Laboratory. We have set up an online survey which can be found at www.ncma.org/lab/Pages/LaboratorySurvey.aspx. After taking the online survey, make use of the many resources available at our website, www.ncma.org, including the latest industry news and events, a searchable directory of products and services, a vast collection of literature on the design, implementation, and marketing of manufactured concrete products and hardscape systems, as well as a list of available laboratory services for future testing.

The National Concrete Masonry Association Laboratory is dedicated to the scientific testing and research of concrete masonry products and systems. We take pride in meeting your product certification and evaluation requirements and look forward to continuing to service your testing needs for years to come.

Thank you for choosing NCMA's Research and Development Laboratory. Please feel free to contact me directly with any comments or questions at 703-713-1900 or nlang@ncma.org.

Sincerely,



Nicholas R. Lang
Manager, Research & Development Laboratory

ASTM C140-10 Test Report
Sampling and Testing Concrete Masonry Units and Related Units

Job No.: 11-386
Report Date: 5/20/2011

Client: Parker Block Co, Inc.
Address: PO Box 780
Millsboro, DE 19966-0780

Testing Agency: National Concrete Masonry Association
Research and Development Laboratory
Address: 13750 Sunrise Valley Drive
Herndon, VA 20171-4662

Sampling Party: Parker Block Co, Inc.

Unit Designation/Description:
U-Shaped Concrete Masonry Lintel

Date Samples Received: 5/10/2011

Summary of Test Results:

<u>Physical Property</u>	<u>Tested Values</u>
Net Compressive Strength	4080 psi
Density	135.9 lb/ft ³
Absorption	11.3 lb/ft ³
Absorption	8.3 %

The client delivered three full-size U-shaped concrete masonry lintels to the laboratory. From each lintel, a 2 x 4 x 8 in. coupon was saw-cut from the unit for compression testing. Also, an additional segment was taken from the unit for absorption testing. The results of these tests are summarized above, with individual results listed below.

*Measurements of Full-Size Units **

	Avg Width ** in.	Avg Height in.	Length Front in.	Length Rear in.
Unit #1	7.64	7.38	39.50	39.40

Date Tested
5/17/2011

Compression Specimens

	Width in.	Height in.	Length in.	Coupon Weight lb	Maximum Compression Load lb	Tested Compressive Strength psi
Unit #1a	2.11	4.05	8.12	5.36	65410	3820
Unit #2a	2.00	4.02	8.01	5.14	60030	3750
Unit #3a	2.08	4.04	8.25	5.66	80010	4660
Average	2.06	4.04	8.13	5.39	68480	4080

Date Tested
5/20/2011

Absorption Specimens

Approximate Absorption Specimen Size 2 x 7.5 x 8 inch

	Received Weight lb	Immersed Weight lb	Saturated Weight lb	Oven-Dry Weight lb	Absorption lb/ft ³	Absorption %	Density lb/ft ³
Unit #1b	8.90	5.17	8.96	8.28	11.2	8.2	136.2
Unit #2b	9.08	5.27	9.18	8.46	11.5	8.5	135.1
Unit #3b	9.14	5.32	9.22	8.52	11.2	8.2	136.3
Average	9.04	5.25	9.12	8.42	11.3	8.3	135.9

Date Tested
5/18/2011
to
5/20/2011



Nicholas R. Lang
Manager, Research & Development Laboratory