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June 1, 2011

Parker Block Company
30243 Millsboro Highway
Millsboro, DE 19966

Gentlemen:

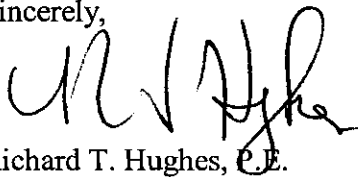
This letter is to certify that the Bond Beam Lintels as shown in 8 x 8 load tables manufactured by Parker Block comply with the latest steel standards as specified by ASTM 615 for 60,000 psi reinforcement. The masonry mix has been tested in accordance with ASTM C109 and has a compressive strength in excess of 3,500 psi.

Furthermore, the methods of design and the calculated capacities of the lintels as shown in the load tables used the ACI 318-05 section 9.1 Ultimate Design method, the building code requirements for masonry ACI 530/ASCE 5-88 and conform to the latest NCMA TEK-17.2-2002 specifications. The loads developed for use in the design of the lintel is also in compliance with the UBC Code. In all lengths of lintels, bond, flexure and shear values were calculated and studied to ensure the proper governing load values are shown in the tables. In all instances of lintels (up to 12 ft. in length) as a minimum the members carry the apex area of hollow masonry block above the span unless otherwise noted. A 1.4 dead load factor was used in the design of the members for both self-weight and allowable loads as expressed in the tables.

Parker Block Company lintels also carry a 1 ½ hour UL fire rating when the lintels are restrained, such as for seismic requirements. I would like to certify the structural integrity of this produce as long as it is used within the standard industry application.

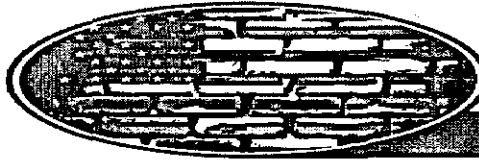
Please do not hesitate to call if you have any questions or require additional information.

Sincerely,



Richard T. Hughes, P.E.





PARKER BLOCK

BLOCK - MASONRY - HARDSCAPING - PRECAST LINTELS

Est. 1929

8" PRECAST HERC-U-LINTELS

STANDARD LENGTHS

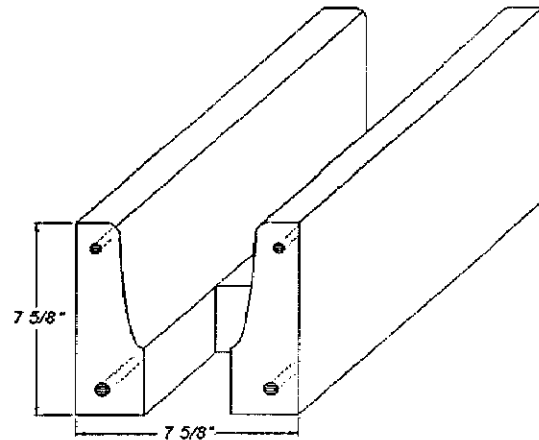
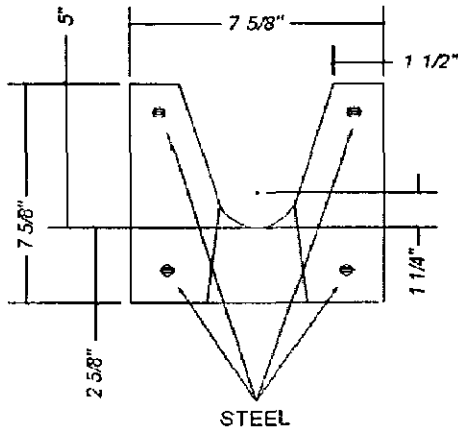
OVERALL LENGTH	TOP STEEL	BOTTOM STEEL
48"	2-#3 rebar	2-#3 rebar
56"	2-#3 rebar	2-#3 rebar
64"	2-#3 rebar	2-#3 rebar
72"	2-#3 rebar	2-#4 rebar
80"	2-#3 rebar	2-#4 rebar
88"	2-#3 rebar	2-#4 rebar
96"	2-#3 rebar	2-#4 rebar
104"	2-#3 rebar	2-#4 rebar
112"	2-#3 rebar	2-#4 rebar
120"	2-#3 rebar	2-#4 rebar
128"	2-#3 rebar	2-#5 rebar
136"	2-#3 rebar	2-#5 rebar
144"	2-#3 rebar	2-#5 rebar

Rebar: ASTM A615 Grade 60

Concrete Strength: 3500 psi

Average Weight: 28lbs lf

Finish: CMU Texture





**NATIONAL
CONCRETE MASONRY
ASSOCIATION**

Sustainable Concrete Products for Structures and Hardscapes

13750 Sunrise Valley Drive
Herndon, VA 20171-4662
703.713.1900
Fax: 703.713.1910
www.ncma.org

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
Address: Research and Development Laboratory
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:

Physical Property	Tested Values
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